

**SELECTED PUBLICATIONS LIST - 2022**

S. No.	Authors	Title	Source title	Volume	Issue	Page start	Page end	Impact Factor	DOI
1	Singh F.V., Shetgaonkar S.E., Krishnan M., Wirth T.	Progress in organocatalysis with hypervalent iodine catalysts	Chemical Society Reviews	51	18	8102	8139	60.615	10.1039/d2cs00206j
2	Liao J., Ye C., Guo J., Garciamendez- Mijares C.E., Agrawal P., Kuang X., Japo J.O., Wang Z., Mu X., Li W., Ching T., Mille L.S., Zhu C., Zhang X., Gu Z., Zhang Y.S.	3D-printable colloidal photonic crystals	Materials Today					31.041	10.1016/j.mattod.202 2.02.014
3	Oroojalian F., Karimzadeh S., Javanbakht S., Hejazi M., Baradaran B., Webster T.J., Mokhtarzadeh A., Varma R.S., Kesharwani P., Sahebkar A.	Current trends in stimuli- responsive nanotheranostics based on metal-organic frameworks for cancer therapy	Materials Today					26.943	10.1016/j.mattod.202 2.05.024

4	Ahmad M.G., Chanda K.	Ionic liquid coordinated metal-catalyzed organic transformations: A comprehensive review	Coordination Chemistry Reviews	472				24.833	10.1016/j.ccr.2022.21 4769
5	Kalaiselvan C.R., Laha S.S., Somvanshi S.B., Tabish T.A., Thorat N.D., Sahu N.K.	Manganese ferrite (MnFe <sub>2</sub> O <sub>4</sub> ) nanostructures for cancer theranostics	Coordination Chemistry Reviews	473				24.833	10.1016/j.ccr.2022.21 4809
6	Philip A., Kumar A.R.	The performance enhancement of surface plasmon resonance optical sensors using nanomaterials: A review	Coordination Chemistry Reviews	458				22.315	10.1016/j.ccr.2022.21 4424

7	Gutiérrez Rodelo C., Salinas R.A., Armenta Jaime Armenta E., Armenta S., Galdámez-Martínez A., Castillo-Blum S.E., Astudillo-de la Vega H., Nirmala Grace A., Aguilar-Salinas C.A., Gutiérrez Rodelo J., Christie G., Alsanie W.F., Santana G., Thakur V.K., Dutt A.	Zinc associated nanomaterials and their intervention in emerging respiratory viruses: Journey to the field of biomedicine and biomaterials	Coordination Chemistry Reviews	457				22.315	10.1016/j.ccr.2021.214402
8	Pete S., Roy N., Kar B., Paira P.	Construction of homo and heteronuclear Ru(II), Ir(III) and Re(I) complexes for target specific cancer therapy	Coordination Chemistry Reviews	460				22.315	10.1016/j.ccr.2022.214462
9	Panicker R.R., Sivaramakrishna A.	Remarkably flexible 2,2':6',2''-terpyridines and their group 8–10 transition metal complexes – Chemistry and applications	Coordination Chemistry Reviews	459				22.315	10.1016/j.ccr.2022.214426

10	Mukherjee A.G., Wanjari U.R., Kannampuzha S., Das S., Murali R., Namachivayam A., Renu K., Ramanathan G., Doss C. G.P., Vellingiri B., Dey A., Valsala Gopalakrishnan A.	The pathophysiological and immunological background of the monkeypox virus infection: An update	Journal of Medical Virology					20.693	10.1002/jmv.28206
11	Bhattacharya M., Chatterjee S., Nag S., Dhama K., Chakraborty C.	Designing, characterization, and immune stimulation of a novel multi- epitopic peptide- based potential vaccine candidate against monkeypox virus through screening its whole genome encoded proteins: An immunoinformatics approach	Travel Medicine and Infectious Disease	50				20.441	10.1016/j.tmaid.2022. 102481

12	Rajagopal M.S., Senthilnathan R., KM G., Ram M R., Samiappan S., Jayaraj R.	Conceptual and Statistical Interpretation of a Systematic Review and Meta- Analysis on Patient Adherence to Lung- RADS–Recomme nded Screening Intervals in the United States	Journal of Thoracic Oncology	17	3	e25	e27	15.609	10.1016/j.jtho.2021.1 1.005
13	Singathi R., Raghunathan R., Krishnan R., Kumar Rajendran S., Baburaj S., Sibi M.P., Webster D.C., Sivaguru J.	Towards Upcycling Biomass-Derived Crosslinked Polymers with Light	Angewandte Chemie - International Edition					15.336	10.1002/anie.202203 353
14	Nirantar S., Patil B., Tripathi D.C., Sethu N., Narayanan R.V., Tian J., Bhaskaran M., Walia S., Sriram S.	Metal-Air Field Emission Devices – Nano Electrode Geometries Comparison of Performance and Stability	Small					15.153	10.1002/sml.2022032 34

15	Jeyaseelan T., Ekambaram P., Subramanian J., Shamim T.	A comprehensive review on the current trends, challenges and future prospects for sustainable mobility	Renewable and Sustainable Energy Reviews	157				14.982	10.1016/j.rser.2022.112073
16	Khanongnuch R., Abubackar H.N., Keskin T., Gungormusler M., Duman G., Aggarwal A., Behera S.K., Li L., Bayar B., Rene E.R.	Bioprocesses for resource recovery from waste gases: Current trends and industrial applications	Renewable and Sustainable Energy Reviews	156				14.982	10.1016/j.rser.2021.111926
17	Saiteja P., Ashok B.	Critical review on structural architecture, energy control strategies and development process towards optimal energy management in hybrid vehicles	Renewable and Sustainable Energy Reviews	157				14.982	10.1016/j.rser.2021.112038
18	Vamsi Krishna Reddy A.K., Venkata Lakshmi Narayana K.	Meta-heuristics optimization in electric vehicles - an extensive review	Renewable and Sustainable Energy Reviews	160				14.982	10.1016/j.rser.2022.112285

19	Venkateshalu S., Shariq M., Chaudhari N.K., Lee K., Grace A.N.	2D non-carbide MXenes: an emerging material class for energy storage and conversion	Journal of Materials Chemistry A					14.511	10.1039/d2ta05392f
20	Ganesan B., Mani P., Shanmugam L., Annamalai M.	Synchronization of Stochastic Neural Networks Using Looped-Lyapunov Functional and Its Application to Secure Communication	IEEE Transactions on Neural Networks and Learning Systems			1	13	14.255	10.1109/TNNLS.2022.3202799
21	Theerthagiri J., Park J., Das H.T., Rahamathulla N., Cardoso E.S.F., Murthy A.P., Maia G., Vo D.-V.N., Choi M.Y.	Electrocatalytic conversion of nitrate waste into ammonia: a review	Environmental Chemistry Letters					13.615	10.1007/s10311-022-01469-y
22	Theerthagiri J., Karuppasamy K., Park J., Rahamathulla N., Kumari M.L.A., Souza M.K.R., Cardoso E.S.F., Murthy A.P., Maia G., Kim H.-S., Choi M.Y.	Electrochemical conversion of biomass-derived aldehydes into fine chemicals and hydrogen: A review	Environmental Chemistry Letters					13.615	10.1007/s10311-022-01543-5

23	Jayabalasamy G., Koppu S.	High-performance Edwards curve aggregate signature (HECAS) for nonrepudiation in IoT-based applications built on the blockchain ecosystem	Journal of King Saud University - Computer and Information Sciences					13.473	10.1016/j.jksuci.2021.12.001
24	Chakraborty C., Bhattacharya M., Dhama K., Roy S.S., Sharma A.R., Mohapatra R.K., Lee S.-S.	Deep learning research should be encouraged more and more in different domains of surgery: An open call – Correspondence	International Journal of Surgery	104				13.4	10.1016/j.ijssu.2022.106749
25	Chakraborty C., Bhattacharya M., Sharma A.R., Roy S.S., Islam M.A., Chakraborty S., Nandi S.S., Dhama K.	Deep learning research should be encouraged for diagnosis and treatment of antibiotic resistance of microbial infections in treatment associated emergencies in hospitals	International Journal of Surgery	105				13.400	10.1016/j.ijssu.2022.106857



26	Chakraborty C., Bhattacharya M., Sharma A.R., Mohapatra R.K., Chakraborty S., Pal S., Dhama K.	Immediate need for next- generation and mutation-proof vaccine to protect against current emerging Omicron sublineages and future SARS-CoV- 2 variants: An urgent call for researchers and vaccine companies – Correspondence	International Journal of Surgery	106				13.4	10.1016/j.ijsu.2022.10 6903
27	Krishnan A., Bhattacharya B., Mandal D., Dhar R., Muthu S.	Salivary exosomes: A theranostics secret of oral cancer – Correspondence	International Journal of Surgery	108				13.400	10.1016/j.ijsu.2022.10 6990
28	Dhar R., Bhattacharya B., Mandal D., Devi A., Thorat N.D.	Exosome-based cancer vaccine: A cutting-edge approach – Correspondence	International Journal of Surgery	108				13.400	10.1016/j.ijsu.2022.10 6993
29	Yang Y., Wang W., Yin Z., Xu R., Zhou X., Kumar N., Alazab M., Gadekallu T.R.	Mixed Game- Based Aol Optimization for Combating COVID-19 With AI Bots	IEEE Journal on Selected Areas in Communicatio ns	40	11	3122	3138	13.081	10.1109/JSAC.2022.32 15508

30	Chakraborty R., Vilya K., Pradhan M., Nayak A.K.	Recent advancement of biomass-derived porous carbon based materials for energy and environmental remediation applications	Journal of Materials Chemistry A					12.732	10.1039/d1ta10269a
31	Mani P., Joo Y.H.	Fuzzy Event- Triggered Control for Back-to-Back Converter Involved PMSG- Based Wind Turbine Systems	IEEE Transactions on Fuzzy Systems	30	5	1409	1420	12.029	10.1109/TFUZZ.2021. 3059949
32	Vuppaladadiyam A.K., Vuppaladadiyam S.S.V., Awasthi A., Sahoo A., Rehman S., Pant K.K., Murugavelh S., Huang Q., Anthony E., Fennel P., Bhattacharya S., Leu S.-Y.	Biomass pyrolysis: A review on recent advancements and green hydrogen production	Bioresource Technology	364				11.889	10.1016/j.biortech.20 22.128087
33	Alazab M., Gadekallu T.R., Su C.	Guest Editorial: Security and Privacy Issues in Industry 4.0 Applications	IEEE Transactions on Industrial Informatics	18	9	6326	6329	11.648	10.1109/TII.2022.316 4741

34	Li P., Laghari A.A., Rashid M., Gao J., Gadekallu T.R., Javed A.R., Yin S.	A Deep Multimodal Adversarial Cycle-Consistent Network for Smart Enterprise System	IEEE Transactions on Industrial Informatics			1	10	11.648	10.1109/TII.2022.3197201
35	Dai H., Pham H., Sangaiah A.K., Capobianco Guido R.	Special Section On "Next Generation Blockchain Technology With Industrial IoT in Industry 4.0"; in IEEE Transactions On Industrial Informatics	IEEE Transactions on Industrial Informatics			1	3	11.648	10.1109/TII.2022.3192000
36	Cao B., Yan Y., Wang Y., Liu X., Lin J.C., Sangaiah A.K., Lv Z.	A Multiobjective Intelligent Decision-Making Method for Multistage Placement of PMU in Power Grid Enterprises	IEEE Transactions on Industrial Informatics			1	9	11.648	10.1109/TII.2022.3215787

37	Maurya H.S., Kosiba K., Juhani K., Sergejev F., Prashanth K.G.	Effect of powder bed preheating on the crack formation and microstructure in ceramic matrix composites fabricated by laser powder-bed fusion process	Additive Manufacturing	58				11.632	10.1016/j.addma.2022.103013
38	Vamsi Krishna Reddy A.K., Venkata Lakshmi Narayana K.	Investigation of a social group assisted differential evolution for the optimal PV parameter extraction of standard and modified diode models	Energy Conversion and Management	268				11.533	10.1016/j.enconman.2022.115955

39	Kumar M., Selvasekaran P., Kapoor S., Barbhai M.D., Lorenzo J.M., Saurabh V., Potkule J., Changan S., Elkelish A., Selim S., Sayed A.A.S., Radha, Singh S., Senapathy M., Pandiselvam R., Dey A., Dhumal S., Natta S., Amarowicz R., Kennedy J.F.	Moringa oleifera Lam. seed proteins: Extraction, preparation of protein hydrolysates, bioactivities, functional food properties, and industrial application	Food Hydrocolloids	131				11.504	10.1016/j.foodhyd.20 22.107791
40	Chakraborty P., Das S.S., Dey A., Chakraborty A., Bhattacharyya C., Kandimalla R., Mukherjee B., Gopalakrishnan A.V., Singh S.K., Kant S., Nand P., Ojha S., Kumar P., Jha N.K., Jha S.K., Dewanjee S.	Quantum dots: The cutting-edge nanotheranostics in brain cancer management	Journal of Controlled Release	350		698	715	11.467	10.1016/j.jconrel.202 2.08.047

41	Anantha Krishnan V., Balamurugan P.	An efficient DLN2-CRSO approach based dynamic stability enhancement in micro-grid system	Applied Energy	322					11.446	10.1016/j.apenergy.2022.119432
42	Guo C., Cao Y., Li J., Li H., Kumar Arumugam S., Oleksandr S., Chen F.	Solvent-free green synthesis of nonflammable and self-healing polymer film electrolytes for lithium metal batteries	Applied Energy	323					11.446	10.1016/j.apenergy.2022.119571
43	Wani N.A., Mishra U.	An integrated circular economic model with controllable carbon emission and deterioration from an apple orchard	Journal of Cleaner Production	374					11.072	10.1016/j.jclepro.2022.133962

44	Shaik S., Arumugam C., Shaik S.V., Arici M., Afzal A., Ma Z.	Strategic design of PCM integrated burnt clay bricks: Potential for cost-cutting measures for air conditioning and carbon dioxide extenuation	Journal of Cleaner Production	375					11.072	10.1016/j.jclepro.2022.134077
45	Sasidhar K.B., Somasundaram M., Ekambaram P., Arumugam S.K., Nataraj G., Murugan M.A.	A critical review on the effects of pneumatic mixing in anaerobic digestion process	Journal of Cleaner Production	378					11.072	10.1016/j.jclepro.2022.134513
46	Vimal K.E.K., Kumar A., Sunil S.M., Suresh G., Sanjeev N., Kandasamy J.	Analysing the challenges in building resilient net zero carbon supply chains using Influential Network Relationship Mapping	Journal of Cleaner Production	379					11.072	10.1016/j.jclepro.2022.134635

47	Sharma P., Mukherjee D., Sarkar S., Mandler D., Varma R.S., Gawande M.B., Zbořil R., Sasson Y.	Pd doped carbon nitride (Pd-g- C <sub>3</sub> N <sub>4</sub> ): an efficient photocatalyst for hydrogenation via an Al-H <sub>2</sub> O system and an electrocatalyst towards overall water splitting	Green Chemistry						11.034	10.1039/d2gc00801g
48	Sekar P., Vasanthakumar P., Shanmugam R., Senthil Kumar S., Agnoli S., Deepak R.J., Murugan K., Bhuvanesh N., Karvembu R.	Green synthesis of a redox-active riboflavin- integrated Ni- MOF and its versatile electrocatalytic applications towards oxygen evolution and reduction, and HMF oxidation reactions	Green Chemistry	24	23	9233	9244	11.034	10.1039/d2gc02939a	



49	Basu S., Pereira V., Sinha P., Malik A., Moovendhan V.	Esoteric governance mechanism and collective brand equity creation in confederated organizations: Evidence from an emerging economy	Journal of Business Research	149		217	230	10.969	10.1016/j.jbusres.202 2.05.007
50	Nargatti K.I., Subhedar A.R., Ahankari S.S., Grace A.N., Dufresne A.	Nanocellulose- based aerogel electrodes for supercapacitors: A review	Carbohydrate Polymers	297				10.723	10.1016/j.carbpol.202 2.120039
51	Sompalli N.K., Kuppusamy S., Mohan A.M., Modak V.A., Rao C.V.S.B., Nagarajan S., Deivasigamani P.	Probe decorated porous silica and polymer monoliths as solid-state optical sensors and preconcentrators for the selective and fast recognition of ultra-trace arsenic ions	Journal of Hazardous Materials	421				10.588	10.1016/j.jhazmat.20 21.126828

52	Das D., R A., Kay P., Ramamurthy V., Goycoolea F.M., Das N.	Selective recovery of lithium from spent coin cell cathode leachates using ion imprinted blended chitosan microfibers: Pilot scale studies provide insights on scalability	Journal of Hazardous Materials	431				10.588	10.1016/j.jhazmat.2022.128535
53	Pitchaiya S., Eswaramoorthy N., Madurai Ramakrishnan V., Natarajan M., Velauthapillai D.	Bio-Inspired Graphitic Carbon-Based Large-Area (10 × 10 cm <sup>2</sup> ) Perovskite Solar Cells: Stability Assessments under Indoor, Outdoor, and Water-Soaked Conditions	ACS Applied Materials and Interfaces	14	38	43050	43066	10.383	10.1021/acsami.2c02463

54	Pandya S., Ghayvat H., Reddy P.K., Gadekallu T.R., Khan M.A., Kumar N.	COUNTERSAVIOR : AIoMT and IIoT enabled Adaptive Virus Outbreak Discovery Framework for Healthcare Informatics	IEEE Internet of Things Journal			1	1	10.238	10.1109/JIOT.2022.3216108
55	Rani S., Babbar H., Srivastava G., Gadekallu T.R., Dhiman G.	Security Framework for Internet of Things based Software Defined Networks using Blockchain	IEEE Internet of Things Journal			1	1	10.238	10.1109/JIOT.2022.3223576
56	Liu H., Liu T., Zhang Z., Sangaiah A.K., Yang B., Li Y.F.	ARHPE: Asymmetric Relation-aware Representation Learning for Head Pose Estimation in Industrial Human-machine Interaction	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2022.3143605
57	Dohare I., Singh K., Ahmadian A., Mohan S., Reddy M P.K.	Certificateless Aggregated Signcryption Scheme for Cloud-Fog Centric Industry 4.0	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2022.3142306

58	Jemmali M., Denden M., Boulila W., Jhaveri R.H., Srivastava G., Gadekallu T.R.	A Novel Model Based on Window-Pass Preferences for Data-Emergency- Aware Scheduling in Computer Networks	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2022.314 9896
59	Yang K., Shi Y., Yu Z., Yang Q., Sangaiah A.K., Zeng H.	Stacked One- Class Broad Learning System for Intrusion Detection in Industry 4.0	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2022.315 7727
60	Deebak B.D., Memon F.H., Dev K., Khowaja S.A., Wang W., Qureshi N.M.F.	TAB-SAPP: A Trust-Aware Blockchain-Based Seamless Authentication for Massive IoT- Enabled Industrial Applications	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2022.315 9164
61	Hasan M.K., Akhtaruzzaman M., Kabir S.R., Gadekallu T.R., Islam S., Magalingam P., Hassan R., Alazab M., Alazab M.A.	Evolution of Industry and Blockchain Era: Monitoring Price Hike and Corruption using BloT for Smart Government and Industry 4.0	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2022.316 4066

62	Wang T., Yang Q., Shen X., Gadekallu T.R., Wang W., Dev K.	A Privacy-Enhanced Retrieval Technology for the Cloud-Assisted Internet of Things	IEEE Transactions on Industrial Informatics	18	7	4981	4989	10.215	10.1109/TII.2021.3103547
63	Deebak B.D., Memon F.H., Khowaja S.A., Dev K., Wang W., Qureshi N.M.F.	In the Digital Age of 5G Networks: Seamless Privacy-Preserving Authentication for Cognitive-Inspired Internet of Medical Things	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2022.3172139
64	Xu L., Zhou X., Li X., Jhaveri R.H., Gadekallu T.R., Ding Y.	Mobile Collaborative Secrecy Performance Prediction for Artificial IoT Networks	IEEE Transactions on Industrial Informatics	18	8	5403	5411	10.215	10.1109/TII.2021.3128506
65	Zhang A.-M., Lenin P., Zeng R.-C., Kannan M.B.	Advances in hydroxyapatite coatings on biodegradable magnesium and its alloys	Journal of Magnesium and Alloys					10.088	10.1016/j.jma.2022.01.001

66	Maddikunta P.K.R., Pham Q.-V., B P., Deepa N., Dev K., Gadekallu T.R., Ruby R., Liyanage M.	Industry 5.0: A survey on enabling technologies and potential applications	Journal of Industrial Information Integration	26				10.063	10.1016/j.jii.2021.100 257
67	Srinivas M.N., Sreerag C., Madhusudanan V., Gul N., Khan Z.A., Zeb A.	Spatial deployment and performance of diffusion coefficients of two preys and one predator ecological system	Chaos, Solitons and Fractals	165				9.922	10.1016/j.chaos.2022. 112868
68	Wendeker M., Geça M.J., Grabowski Ł., Pietrykowski K., Kasianantham N.	Measurements and analysis of a solar-assisted city bus with a diesel engine	Applied Energy	309				9.746	10.1016/j.apenergy.2 021.118439
69	Velvizhi G., Balakumar K., Shetti N.P., Ahmad E., Kishore Pant K., Aminabhavi T.M.	Integrated biorefinery processes for conversion of lignocellulosic biomass to value added materials: Paving a path towards circular economy	Bioresource Technology	343				9.642	10.1016/j.biortech.20 21.126151

70	Vuppaladadiyam A.K., Vuppaladadiyam V.S.S., Antunes E., Baig Z., Rehman S., Murugavelh S., Leu S.-Y., Sarmah A.K.	Pyrolysis of anaerobic digested residues in the presence of catalyst-sorbent bifunctional material: Pyrolysis characteristics, kinetics and evolved gas analysis	Bioresource Technology	351				9.642	10.1016/j.biortech.2022.127022
71	Sai Preethi P., Hariharan N.M., Vickram S., Rameshpathy M., Manikandan S., Subbaiya R., Karmegam N., Yadav V., Ravindran B., Chang S.W., Kumar Awasthi M.	Advances in bioremediation of emerging contaminants from industrial wastewater by oxidoreductase enzymes	Bioresource Technology	359				9.642	10.1016/j.biortech.2022.127444
72	Shiny Irene D., Indra Priyadharshini S., Tamizh Kuzhali R., Nancy P.	An IoT based smart menstrual cup using optimized adaptive CNN model for effective menstrual hygiene management	Artificial Intelligence Review					9.588	10.1007/s10462-022-10308-z

73	Deebak B.D., Memon F.H., Khowaja S.A., Dev K., Wang W., Qureshi N.M.F., Su C.	Lightweight Blockchain Based Remote Mutual Authentication for AI- Empowered IoT Sustainable Computing Systems	IEEE Internet of Things Journal					9.471	10.1109/JIOT.2022.31 52546
74	Chakraborty D., Ghosh D., Kumar S., Jenkins D., Chandrasekaran N., Mukherjee A.	Nano-diagnostics as an emerging platform for oral cancer detection: Current and emerging trends	Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechno logy					9.423	10.1002/wnan.1830
75	Priyanka M., Saravanakumar M.P.	A sustainable approach for removal of microplastics from water matrix using Colloidal Gas Aphrons: New insights on flotation potential and interfacial mechanism	Journal of Cleaner Production	334				9.297	10.1016/j.jclepro.202 1.130198



76	Ganesan N., Le T.H., Ekambaram P., Balasubramanian D., Le V.V., Hoang A.T.	Experimental assessment on performance and combustion behaviors of reactivity-controlled compression ignition engine operated by n-pentanol and cottonseed biodiesel	Journal of Cleaner Production	330				9.297	10.1016/j.jclepro.2021.129781
77	Thomas A., Mishra U.	A sustainable circular economic supply chain system with waste minimization using 3D printing and emissions reduction in plastic reforming industry	Journal of Cleaner Production	345				9.297	10.1016/j.jclepro.2022.131128

78	Shaik S., Nundy S., Maduru V.R., Ghosh A., Afzal A.	Polymer dispersed liquid crystal retrofitted smart switchable glazing: Energy saving, diurnal illumination, and CO2 mitigation prospective	Journal of Cleaner Production	350				9.297	10.1016/j.jclepro.202 2.131444
79	P M., V V.	Potential utilization of waste glass powder as a precursor material in synthesizing ecofriendly ternary blended geopolymer matrix	Journal of Cleaner Production	355				9.297	10.1016/j.jclepro.202 2.131860
80	Dsilva Winfred Rufuss D., Kapoor V., Arulvel S., Davies P.A.	Advances in forward osmosis (FO) technology for enhanced efficiency and output: A critical review	Journal of Cleaner Production	356				9.297	10.1016/j.jclepro.202 2.131769

81	Thondaiman P., Raj C.J., Velayutham R., Savariraj A.D., Manikandan R., Cristobal V., Kim B.C.	Engineering redox active sites enriched 3D-on-2D bimetallic double layered hydroxide electrode for supercapatteries	Materials Today Energy	30				9.257	10.1016/j.mtener.2022.101182
82	Acharya S., Gopal V., Gupta S.K., Nilawar S., Manivasagam G., Suwas S., Chatterjee K.	Anisotropy of Additively Manufactured Co-28Cr-6Mo Influences Mechanical Properties and Biomedical Performance	ACS applied materials & interfaces	14	19	21906	21915	9.229	10.1021/acsami.2c01977
83	Selvasekaran P., Chidambaram R.	Bioaerogels as food materials: A state-of-the-art on production and application in micronutrient fortification and active packaging of foods	Food Hydrocolloids	131				9.147	10.1016/j.foodhyd.2022.107760

84	Maity C., Das N.	Alginate-Based Smart Materials and Their Application: Recent Advances and Perspectives	Topics in Current Chemistry	380	1			9.060	10.1007/s41061-021-00360-8
85	Mondal J., Sivaramakrishna A.	Functionalized Triazines and Tetrazines: Synthesis and Applications	Topics in Current Chemistry	380	5			9.060	10.1007/s41061-022-00385-7
86	Dey T., Chakraborty A., Kapoor A., Warriar A., Nag V.L., Sivashanmugam K., Shankar M.	Unusual Hypermucoviscous Clinical Isolate of Klebsiella pneumoniae with No Known Determinants of Hypermucoviscosity	Microbiology Spectrum	10	3			9.043	10.1128/spectrum.00393-22
87	Ravichandran S.R., Venkatachalam C.D., Sengottian M., Sekar S., Subramaniam Ramasamy B.S., Narayanan M., Gopalakrishnan A.V., Kandasamy S., Raja R.	A review on fabrication, characterization of membrane and the influence of various parameters on contaminant separation process	Chemosphere	306				8.943	10.1016/j.chemosphere.2022.135629

88	Nidheesh P.V., Khan F.M., Kadier A., Akansha J., Bote M.E., Mousazadeh M.	Removal of nutrients and other emerging inorganic contaminants from water and wastewater by electrocoagulation process	Chemosphere	307				8.943	10.1016/j.chemosphere.2022.135756
89	Neelakandan S., Prakash M., Geetha B.T., Nanda A.K., Metwally A.M., Santhamoorthy M., Gupta M.S.	Metaheuristics with Deep Transfer Learning Enabled Detection and classification model for industrial waste management	Chemosphere	308				8.943	10.1016/j.chemosphere.2022.136046
90	Oliveira C.Y.B., Jacob A., Nader C., Oliveira C.D.L., Matos Â.P., Araújo E.S., Shabnam N., Ashok B., Gálvez A.O.	An overview on microalgae as renewable resources for meeting sustainable development goals	Journal of Environmental Management	320				8.91	10.1016/j.jenvman.2022.115897

91	Ricky R., Shanthakumar S., Gothandam K.M.	A pilot-scale study of the integrated phycoremediation-photolytic ozonation based municipal solid waste leachate treatment process	Journal of Environmental Management	323				8.910	10.1016/j.jenvman.2022.116237
92	Jalalah M., Sivasubramaniam S.S., Aljafari B., Irfan M., Almasabi S.S., Alsuwian T., Khazi M.I., Nayak A.K., Harraz F.A.	Biowaste assisted preparation of self-nitrogen-doped nanoflakes carbon framework for highly efficient solid-state supercapacitor application	Journal of Energy Storage	54				8.907	10.1016/j.est.2022.105210
93	Harish R., Nimmagadda R., Reddy S.R.	Turbulent melting characteristics of hybrid nano-enhanced molten salt phase change material in rectangular enclosure	Journal of Energy Storage	54				8.907	10.1016/j.est.2022.105328

94	Chadha U., Hafiz M., Bhardwaj P., Padmanaban S., Sinha S., Hariharan S., Kabra D., Venkatarangan V., Khanna M., Selvaraj S.K., Banavoth M., Sonar P., Badoni B., R V.	Theoretical progresses in silicon anode substitutes for Lithium-ion batteries	Journal of Energy Storage	55				8.907	10.1016/j.est.2022.10 5352
95	Thomas P., Shanmugam P.K.	A review on mathematical models of electric vehicle for energy management and grid integration studies	Journal of Energy Storage	55				8.907	10.1016/j.est.2022.10 5468
96	B J., Shobana M.K.	Enhanced cathode materials for advanced lithium- ion batteries using nickel-rich and lithium/mangane se-rich LiNixMnyCozO2	Journal of Energy Storage	54				8.907	10.1016/j.est.2022.10 5353

97	Rao V.T., Sekhar Y.R., Pandey A.K., Said Z., Prasad D.M.R., Hossain M.S., Selvaraj J.	Thermal analysis of hybrid photovoltaic-thermal water collector modified with latent heat thermal energy storage and two side serpentine absorber design	Journal of Energy Storage	56					8.907	10.1016/j.est.2022.105968
98	Shaik S., Maduru V.R., Kirankumar G., Arıcı M., Ghosh A., Kontoleon K.J., Afzal A.	Space-age energy saving, carbon emission mitigation and color rendering perspective of architectural antique stained glass windows	Energy	259					8.857	10.1016/j.energy.2022.124898
99	Mian Qaisar S., I. Khan S., Srinivasan K., Krichen M.	Arrhythmia classification using multirate processing metaheuristic optimization and variational mode decomposition	Journal of King Saud University - Computer and Information Sciences						8.839	10.1016/j.jksuci.2022.05.009



100	Philip A.O., Saravanaguru R.K.	Smart contract based digital evidence management framework over blockchain for vehicle accident investigation in IoV era	Journal of King Saud University - Computer and Information Sciences	34	7	4031	4046	8.839	10.1016/j.jksuci.2022.06.001
101	Mohapatra P.	Combined economic emission dispatch in hybrid power systems using competitive swarm optimization	Journal of King Saud University - Computer and Information Sciences					8.839	10.1016/j.jksuci.2022.08.022
102	Beirag N., Kumar C., Madan T., Shamji M.H., Bulla R., Mitchell D., Murugaiah V., Neto M.M., Temperton N., Idicula-Thomas S., Varghese P.M., Kishore U.	Human surfactant protein D facilitates SARS-CoV-2 pseudotype binding and entry in DC-SIGN expressing cells, and downregulates spike protein induced inflammation	Frontiers in Immunology	13				8.786	10.3389/fimmu.2022.960733

103	Sarma D., Das A., Dutta P., Bera U.K.	A Cost Minimization Resource Allocation Model for Disaster Relief Operations With an Information Crowdsourcing- Based MCDM Approach	IEEE Transactions on Engineering Management	69	5	2454	2474	8.702	10.1109/TEM.2020.30 15775
104	Raghuram P., S B., Manivannan R., Anand P.S.P., Sreedharan V.R.	Modeling and Analyzing the Inventory Level for Demand Uncertainty in the VUCA World: Evidence From Biomedical Manufacturer	IEEE Transactions on Engineering Management			1	11	8.702	10.1109/TEM.2022.32 01440
105	Viswanathan V.K., Kaladgi A.R., Thomai P., Ağbulut Ü., Alwetaishi M., Said Z., Shaik S., Afzal A.	Hybrid optimization and modelling of CI engine performance and emission characteristics of novel hybrid biodiesel blends	Renewable Energy	198		549	567	8.634	10.1016/j.renene.202 2.08.008

106	Jacob A., Ashok B., Shanthakumar S., Jino L., Karthikeyan A., Kavvampally R., Raja I.	Formulation of optimal bioenergy mixtures from phototrophic and heterotrophic cultures of <i>S. quadricauda</i> and <i>C. pyrenoidosa</i> microalgal strains	Renewable Energy	197		695	708	8.634	10.1016/j.renene.2022.08.007
107	Bommakanti V., Banerjee M., Shah D., Manisha K., Sri K., Banerjee S.	An overview of synthesis, characterization, applications and associated adverse effects of bioactive nanoparticles	Environmental Research	214				8.431	10.1016/j.envres.2022.113919
108	Mathew A.T., Saravanakumar M.P.	Removal of micropollutants through bio-based materials as a transition to circular bioeconomy: Treatment processes involved, perspectives and bottlenecks	Environmental Research	214				8.431	10.1016/j.envres.2022.114150

109	Sengani M., V B., Banerjee M., Choudhury A.A., Chakraborty S., Ramasubbu K., Rajeswari V D., Al Obaid S., Alharbi S.A., Subramani B., Brindhadevi K.	Evaluation of the anti-diabetic effect of biogenic silver nanoparticles and intervention in PPAR $\gamma$ gene regulation	Environmental Research	215				8.431	10.1016/j.envres.202 2.114408
110	Gopal T.S., Jeong S.K., Alrebdi T.A., Pandiaraj S., Alodhayb A., Muthuramamoorth y M., Andrews Nirmala Grace	MXene-based composite electrodes for efficient electrochemical sensing of glucose by non- enzymatic method	Materials Today Chemistry	24				8.301	10.1016/j.mtchem.20 22.100891
111	Guha T., Gopal G., Mukherjee A., Kundu R.	Fe <sub>3</sub> O <sub>4</sub> -urea nanocomposites as a novel nitrogen fertilizer for improving nutrient utilization efficiency and reducing environmental pollution	Environmental Pollution	292				8.071	10.1016/j.envpol.202 1.118301

112	Pandion K., Khalith S.B.M., Ravindran B., Chandrasekaran M., Rajagopal R., Alfarhan A., Chang S.W., Ayyamperumal R., Mukherjee A., Arunachalam K.D.	Potential health risk caused by heavy metal associated with seafood consumption around coastal area	Environmental Pollution	294				8.071	10.1016/j.envpol.2021.118553
113	Ganesan S., Sivam S., Elanchezian M., Senthilkumar S., Ramakrishan S.G., Soundappan T., Ponnusamy V.K.	Novel delipidated chicken feather waste-derived carbon-based molybdenum oxide nanocomposite as efficient electrocatalyst for rapid detection of hydroquinone and catechol in environmental waters	Environmental Pollution	293				8.071	10.1016/j.envpol.2021.118556

114	Saravanakumar K., Sivasantosh S., Sathiyaseelan A., Sankaranarayanan A., Naveen K.V., Zhang X., Jamla M., Vijayasathy S., Vishnu Priya V., MubarakAli D., Wang M.-H.	Impact of benzo[a]pyrene with other pollutants induce the molecular alternation in the biological system: Existence, detection, and remediation methods	Environmental Pollution	304				8.071	10.1016/j.envpol.2022.119207
115	Valarmathi N., Sumathi S.	Zinc substituted hydroxyapatite/silk fiber/methylcellulose nanocomposite for bone tissue engineering applications	International Journal of Biological Macromolecules	214		324	337	8.025	10.1016/j.ijbiomac.2022.06.033
116	Sivaraman K., Shanthi C.	Purified fish skin collagen hydrolysate attenuates TNF- $\alpha$ induced barrier dysfunction in-vitro and DSS induced colitis in-vivo model	International Journal of Biological Macromolecules	222		448	461	8.025	10.1016/j.ijbiomac.2022.09.122

117	Saravanakumar K., Park S., Santosh S.S., Ganeshalingam A., Thiripuranathar G., Sathiyaseelan A., Vijayasarathy S., Swaminathan A., Priya V.V., Wang M.-H.	Application of hyaluronic acid in tissue engineering, regenerative medicine, and nanomedicine: A review	International Journal of Biological Macromolecules	222		2744	2760	8.025	10.1016/j.ijbiomac.2022.10.055
118	Dsilva Winfred Rufuss D., Arulvel S., Anil Kumar V., Davies P.A., Arunkumar T., Sathyamurthy R., Kabeel A.E., Anand Vishwanath M., Sai Charan Reddy D., Dutta A., Agrawal M., Vilas Hiwarkar V.	Combined effects of composite thermal energy storage and magnetic field to enhance productivity in solar desalination	Renewable Energy	181		219	234	8.001	10.1016/j.renene.2021.07.124
119	Priyanka M., Saravanakumar M.P.	New insights on aging mechanism of microplastics using PARAFAC analysis: Impact on 4-nitrophenol removal via Statistical Physics Interpretation	Science of the Total Environment	807				7.963	10.1016/j.scitotenv.2021.150819

120	Thiagarajan V., Seenivasan R., Jenkins D., Chandrasekaran N., Mukherjee A.	Mixture toxicity of TiO <sub>2</sub> NPs and tetracycline at two trophic levels in the marine ecosystem: <i>Chlorella</i> sp. and <i>Artemia salina</i>	Science of the Total Environment	812				7.963	10.1016/j.scitotenv.2021.152241
121	Tamizhdurai P., Sakthipriya N., Sivagami K., Rajasekhar B., Nambi I.M.	Field studies on monitoring the marine oil spill bioremediation site in Chennai	Process Safety and Environmental Protection	163		227	235	7.926	10.1016/j.psep.2022.05.005
122	Shaik N.B., Benjapolakul W., Pedapati S.R., Bingi K., Thien Le N., Asdornwised W., Chaitusaney S.	Recurrent neural network-based model for estimating the life condition of a dry gas pipeline	Process Safety and Environmental Protection	164		639	650	7.926	10.1016/j.psep.2022.06.047
123	Ganesh Kumar P., Vigneswaran V.S., Balaji K., Vinothkumar S., Prabakaran R., Sakthivadivel D., Meikandan M., Kim S.C.	Augmented v-corrugated absorber plate using shot-blasting for solar air heater – Energy, Exergy, Economic, and Environmental (4E) analysis	Process Safety and Environmental Protection	165		514	531	7.926	10.1016/j.psep.2022.07.036



124	Tseng M.-L., Bui T.-D., Lim M.K., Fujii M., Mishra U.	Assessing data-driven sustainable supply chain management indicators for the textile industry under industrial disruption and ambidexterity	International Journal of Production Economics	245					7.885	10.1016/j.ijpe.2021.108401
125	B. Vidya, Sasikumar P.	Parkinson's disease diagnosis and stage prediction based on gait signal analysis using EMD and CNN-LSTM network	Engineering Applications of Artificial Intelligence	114					7.802	10.1016/j.engappai.2022.105099
126	Gopal G., Natarajan C., Mukherjee A.	Adsorptive removal of fluoroquinolone antibiotics using green synthesized and highly efficient Fe clay cellulose-acrylamide beads	Environmental Technology and Innovation	28					7.758	10.1016/j.eti.2022.102783

127	Ganesapillai M., Mondal B., Sarkar I., Sinha A., Ray S.S., Kwon Y.-N., Nakamura K., Govardhan K.	The face behind the Covid-19 mask — A comprehensive review	Environmental Technology and Innovation	28				7.758	10.1016/j.eti.2022.10 2837
128	Karthik R., Menaka R., M H., Won D.	Contour- enhanced attention CNN for CT-based COVID-19 segmentation	Pattern Recognition	125				7.74	10.1016/j.patcog.202 2.108538
129	Kirthiga R., Elavenil S.	A review on using inorganic binders in fiber reinforced polymer at different conditions to strengthen reinforced concrete beams	Construction and Building Materials	352				7.693	10.1016/j.conbuildma t.2022.129054
130	Jadaun P., Seniya C., Pal S.K., Kumar S., Kumar P., Nema V., Kulkarni S.S., Mukherjee A.	Elucidation of Antiviral and Antioxidant Potential of C- Phycocyanin against HIV-1 Infection through In Silico and In Vitro Approaches	Antioxidants	11	10			7.675	10.3390/antiox11101 942

131	Gerasymchuk M., Robinson G.I., Groves A., Haselhorst L., Nandakumar S., Stahl C., Kovalchuk O., Kovalchuk I.	Phytocannabinoids Stimulate Rejuvenation and Prevent Cellular Senescence in Human Dermal Fibroblasts	Cells	11	23			7.666	10.3390/cells11233939
132	Jo S., Samarpita S., Lee J.S., Lee Y.J., Son J.E., Jeong M., Kim J.H., Hong S., Yoo S.- A., Kim W.-U., Rasool M., Byun S.	8-Shogaol inhibits rheumatoid arthritis through targeting TAK1	Pharmacological Research	178				7.658	10.1016/j.phrs.2022.106176
133	Balaji V., Peer Fathima A.	Hybrid algorithm for MPPT tracking using a single current sensor for partially shaded PV systems	Sustainable Energy Technologies and Assessments	53				7.632	10.1016/j.seta.2022.102415
134	Bharany S., Badotra S., Sharma S., Rani S., Alazab M., Jhaveri R.H., Reddy Gadekallu T.	Energy efficient fault tolerance techniques in green cloud computing: A systematic survey and taxonomy	Sustainable Energy Technologies and Assessments	53				7.632	10.1016/j.seta.2022.102613

135	Balasubramaniyan M., Navaneethan C.	Color contour texture based peanut classification using deep spread spectral features classification model for assortment identification	Sustainable Energy Technologies and Assessments					7.632	10.1016/j.seta.2022.102524
136	Rajak U., Subhaschandra Singh T., Nath Verma T., Kumar Chaurasiya P., Shaik S., Afzal A., Cuce E., Rajhi A.A., Ahamed Saleel C.	Experimental and parametric studies on the effect of waste cooking oil methyl ester with diesel fuel in compression ignition engine	Sustainable Energy Technologies and Assessments	53				7.632	10.1016/j.seta.2022.102705
137	Mert Cuce P., Cuce E., Guclu T., Shaik S., Alshahrani S., Ahamed Saleel C.	Effect of using hybrid nanofluids as a coolant on the thermal performance of portable thermoelectric refrigerators	Sustainable Energy Technologies and Assessments	53				7.632	10.1016/j.seta.2022.102685

138	Dhinesh Kumar R., Chavhan S.	Shift to 6G: Exploration on trends, vision, requirements, technologies, research, and standardization efforts	Sustainable Energy Technologies and Assessments	54				7.632	10.1016/j.seta.2022.1 02666
139	Satpathy S., Padthe A., Prakash M., Chandra Trivedi M., Goyal V., Bhattacharyya B.K.	Method for measuring supercapacitor's fundamental inherent parameters using its own self- discharge behavior: A new steps towards sustainable energy	Sustainable Energy Technologies and Assessments	53				7.632	10.1016/j.seta.2022.1 02760
140	Meera P.S., Hemamalini S.	Reliability assessment and enhancement of distribution networks integrated with renewable distributed generators: A review	Sustainable Energy Technologies and Assessments	54				7.632	10.1016/j.seta.2022.1 02812

141	Ananyachandran P., Vasugi V.	Development of a sustainable high early strength concrete incorporated with pozzolans, calcium nitrate and triethanolamine: An experimental study	Sustainable Energy Technologies and Assessments	54				7.632	10.1016/j.seta.2022.102857
142	Priya Nagalingam S., Grace A.N.	Poly(3,4-ethylenedioxythiophene) decorated MXene as an alternative counter electrode for dye-sensitized solar cells	Materials Today Chemistry	26				7.613	10.1016/j.mtchem.2022.101113

143	Alinejadian N., Kazemi S.H., Grossberg-Kuusk M., Kollo L., Odnevall I., Prashanth K.G.	Importance of the micro-lattice structure of selective laser melting processed Mo/Mo(x)S(x+1) composite: Corrosion studies on the electrochemical performance in aqueous solutions	Materials Today Chemistry	26				7.613	10.1016/j.mtchem.20 22.101219
144	Pradeep N., Gopal T.S., Venkatraman U., Alrebdi T.A., Pandiaraj S., Alodhayb A., Muthuramamoorth y M., Kim S.Y., Le Q.V., Khan S.H., Malathi A.C.J., Raghavan V., Grace A.N.	Effect of substrate bending towards chemiresistive based hydrogen gas sensor using ZnO-decorated MgO nanocubes	Materials Today Chemistry	26				7.613	10.1016/j.mtchem.20 22.101200
145	Ramu S.P., Boopalan P., Pham Q.-V., Maddikunta P.K.R., Huynh-The T., Alazab M., Nguyen T.T., Gadekallu T.R.	Federated learning enabled digital twins for smart cities: Concepts, recent advances, and future directions	Sustainable Cities and Society	79				7.587	10.1016/j.scs.2021.10 3663

146	Tirupati Rao V., Raja Sekhar Y.	Comparative analysis on embodied energy and CO2 emissions for stand-alone crystalline silicon photovoltaic thermal (PVT) systems for tropical climatic regions of India	Sustainable Cities and Society	78				7.587	10.1016/j.scs.2021.103650
147	R S., Thaseen I.S., M V., M D., M A., R M., Mahendran A., Alnumay W., Chatterjee P.	An efficient hardware architecture based on an ensemble of deep learning models for COVID -19 prediction	Sustainable Cities and Society	80				7.587	10.1016/j.scs.2022.103713
148	Deebak B.D., Memon F.H., Cheng X., Dev K., Hu J., Khowaja S.A., Qureshi N.M.F., Choi K.H.	Seamless privacy-preservation and authentication framework for IoT-enabled smart eHealth systems	Sustainable Cities and Society	80				7.587	10.1016/j.scs.2021.103661



149	Maddikunta P.K.R., Pham Q.-V., Nguyen D.C., Huynh-The T., Aouedi O., Yenduri G., Bhattacharya S., Gadekallu T.R.	Incentive techniques for the Internet of Things: A survey	Journal of Network and Computer Applications	206				7.574	10.1016/j.jnca.2022.1 03464
150	Nithya S., Dutta A.	Superior dual mode electrochemical sensing of NH <sub>3</sub> using Ni <sup>2+</sup> doped CuO anode with lanthanum gallate based electrolyte	Sensors and Actuators B: Chemical	361				7.460	10.1016/j.snb.2022.1 31731
151	Chakraborty R., Renu K., Eladl M.A., El-Sherbiny M., Elsherbini D.M.A., Mirza A.K., Vellingiri B., Iyer M., Dey A., Valsala Gopalakrishnan A.	Mechanism of chromium- induced toxicity in lungs, liver, and kidney and their ameliorative agents	Biomedicine and Pharmacothera py	151				7.419	10.1016/j.biopha.202 2.113119
152	Bhale A.S., Venkataraman K.	Leveraging knowledge of HDLs major protein ApoA1: Structure, function, mutations, and potential therapeutics	Biomedicine and Pharmacothera py	154				7.419	10.1016/j.biopha.202 2.113634

153	Mohapatra P., Chandrasekaran N.	Wnt/ $\beta$ -catenin targeting in liver carcinoma through nanotechnology-based drug repurposing: A review	Biomedicine and Pharmacotherapy	155				7.419	10.1016/j.biopha.2022.113713
154	Kannampuzha S., Ravichandran M., Mukherjee A.G., Wanjari U.R., Renu K., Vellingiri B., Iyer M., Dey A., George A., Gopalakrishnan A.V.	The mechanism of action of non-coding RNAs in placental disorders	Biomedicine and Pharmacotherapy	156				7.419	10.1016/j.biopha.2022.113964
155	Jain K., Jain N., Tripathy S.C., Dikpati M.	What Seismic Minimum Reveals about Solar Magnetism below the Surface	Astrophysical Journal Letters	924	1			7.413	10.3847/2041-8213/ac3de9

156	Harathi J., Selva Kumar R., Ashok Kumar S.K., Saravanakumar D., Senthilkumar S., Thenmozhi K.	Benzimidazolium ionic liquid tagged phenazine salophen as a bifunctional 'off-on' PET based fluorescent sensor for aqueous phase detection of trinitrotoluene and picric acid	Journal of Materials Chemistry C	10	20	7949	7961	7.393	10.1039/d2tc00131d
157	Revathi B., Krishna Chandar N.	Magnetic field sensing characteristics of rGO/BiMnO <sub>3</sub> nanocomposites loaded clad-modified optical fiber sensor	Journal of Science: Advanced Materials and Devices	7	4			7.382	10.1016/j.jsamd.2022.100488
158	Sarkar S., Herath A.C., Mukherjee D., Mandler D.	Ionic strength induced local electrodeposition of ZnO nanoparticles	Electrochimica Acta	429				7.336	10.1016/j.electacta.2022.140986

159	Pugazhenthiran N., Valdés H., Mangalaraja R.V., Sathishkumar P., Murugesan S.	Graphene modified "black {0 0 1}TiO2" nanosheets for photocatalytic oxidation of ethylene: The implications of chemical surface characteristics in the reaction mechanism	Separation and Purification Technology	292				7.312	10.1016/j.seppur.2022.121008
160	Nithin Mithra S., Ahankari S.S.	Nanocellulose-based membranes for CO2 separation from biogas through the facilitated transport mechanism: a review	Materials Today Sustainability	19				7.244	10.1016/j.mtsust.2022.100191
161	Asu S.P., Sompalli N.K., Kuppusamy S., Mohan A.M., Deivasigamani P.	CaO/CeO2 nanocomposite dispersed macro-/meso-porous polymer monoliths as new generation visible light heterogeneous photocatalysts	Materials Today Sustainability	19				7.244	10.1016/j.mtsust.2022.100189

162	Dharmalingam P., Palani G., Apsari R., Kannan K., Lakkaboyana S.K., Venkateswarlu K., Kumar V., Ali Y.	Synthesis of metal oxides/sulfides-based nanocomposites and their environmental applications: a review	Materials Today Sustainability	20				7.244	10.1016/j.mtsust.2022.100232
163	Lakshmanan A., Alex Z.C., Meher S.R.	Recent advances in cuprous oxide thin film based photovoltaics	Materials Today Sustainability	20				7.244	10.1016/j.mtsust.2022.100244
164	Padinharayil H., Varghese J., John M.C., Rajanikant G.K., Wilson C.M., Al-Yozbaki M., Renu K., Dewanjee S., Sanyal R., Dey A., Mukherjee A.G., Wanjari U.R., Gopalakrishnan A.V., George A.	Non-small cell lung carcinoma (NSCLC): Implications on molecular pathology and advances in early diagnostics and therapeutics	Genes and Diseases					7.243	10.1016/j.gendis.2022.07.023
165	Pal P., Jha N.K., Pal D., Jha S.K., Anand U., Gopalakrishnan A.V., Dey A., Mukhopadhyay P.K.	Molecular basis of fluoride toxicities: Beyond benefits and implications in human disorders	Genes and Diseases					7.243	10.1016/j.gendis.2022.09.004

166	Das N., Maity C.	Switchable aqueous catalytic systems for organic transformations	Communications Chemistry	5	1			7.211	10.1038/s42004-022-00734-z
167	Saha M., Kafy A.-A., Bakshi A., Faisal A.-A., Almulhim A.I., Rahaman Z.A., Al Rakib A., Fattah M.A., Akter K.S., Rahman M.T., Zhang M., Rathi R.	Modelling microscale impacts assessment of urban expansion on seasonal surface urban heat island intensity using neural network algorithms	Energy and Buildings	275				7.201	10.1016/j.enbuild.2022.112452
168	Li S., Yang F., Chen M., Yang J., Jiang L., Sun Y., Nirmala Graced A., Jain S.M., Liu H.	Additive engineering for improving the stability of tin-based perovskite (FASnI <sub>3</sub> ) solar cells	Solar Energy	243		134	141	7.188	10.1016/j.solener.2022.07.009
169	Deepa N., Pham Q.-V., Nguyen D.C., Bhattacharya S., Prabadevi B., Gadekallu T.R., Maddikunta P.K.R., Fang F., Pathirana P.N.	A survey on blockchain for big data: Approaches, opportunities, and future directions	Future Generation Computer Systems	131		209	226	7.187	10.1016/j.future.2022.01.017

170	Hariharan M., Sathish Kumar C., Tanwar A., Sundaresan K., Ganesan P., Ravi S., Karthik R.	Proximal Instance Aggregator networks for explainable security vulnerability detection	Future Generation Computer Systems	134		303	318	7.187	10.1016/j.future.2022.04.008
171	Shaik S., Maduru V.R., Kontoleon K.J., Arıcı M., Gorantla K., Afzal A.	Building glass retrofitting strategies in hot and dry climates: Cost savings on cooling, diurnal lighting, color rendering, and payback timeframes	Energy	243				7.147	10.1016/j.energy.2022.123106
172	Rajkumar S., Das A., Thangaraja J.	Integration of artificial neural network, multi-objective genetic algorithm and phenomenological combustion modelling for effective operation of biodiesel blends in an automotive engine	Energy	239				7.147	10.1016/j.energy.2021.121889

173	Gollangi R., K N.	Energy, exergy analysis of conceptually designed monochloromethane production process from hydrochlorination of methanol	Energy	239				7.147	10.1016/j.energy.2021.121858
174	Ashok B., Usman K.M., Vignesh R., Umar U.A.	Model-based injector control map development to improve CRDi engine performance and emissions for eucalyptus biofuel	Energy	246				7.147	10.1016/j.energy.2022.123355
175	Jacob A., Ashok B., Usman K.M., Kulla D.M.	Influence of post-injection parameters on the performance of continuous regeneration trap to mitigate greenhouse gas and particulate emissions from CI engine	Energy	248				7.147	10.1016/j.energy.2022.123669



176	Saiteja P., Ashok B.	Study on interactive effects of CRDi engine operating parameters through RSM based multi-objective optimization technique for biofuel application	Energy	255				7.147	10.1016/j.energy.2022.124499
177	Venkatasatish R., Dhanamjayulu C.	Reinforcement learning based energy management systems and hydrogen refuelling stations for fuel cell electric vehicles: An overview	International Journal of Hydrogen Energy					7.139	10.1016/j.ijhydene.2022.06.088

178	Elumalai R., Ravi K.	Strategy to reduce carbon emissions by adopting ammonia–Algal biodiesel in RCCI engine and optimize the fuel concoction using RSM methodology	International Journal of Hydrogen Energy					7.139	10.1016/j.ijhydene.2022.09.169
179	Gopinath M., Marimuthu R.	A review on solar energy-based indirect water-splitting methods for hydrogen generation	International Journal of Hydrogen Energy					7.139	10.1016/j.ijhydene.2022.08.297
180	Khandal S.V., Razak A., Veza I., Afzal A., Alwetaishi M., Shaik S., Ağbulut Ü., Rashedi A.	Hydrogen and dual fuel mode performing in engine with different combustion chamber shapes: Modelling and analysis using RSM-ANN technique	International Journal of Hydrogen Energy					7.139	10.1016/j.ijhydene.2022.09.193

181	Kunhiraman A.K., Prabhu S A., Kareem A.	Chalcogenic heterostructure supported on carbon nanostructure for electrochemical water dissociation	International Journal of Hydrogen Energy					7.139	10.1016/j.ijhydene.20 22.10.140
182	Yarasai S.S., Ravi D., Yoganand S., Raj Rajagopal T.K.	Numerical investigation on the performance and combustion characteristics of a cavity based scramjet combustor with novel strut injectors	International Journal of Hydrogen Energy					7.139	10.1016/j.ijhydene.20 22.11.150
183	Kareem A., Senthilkumar S.	Defect-induced FexNi1-xSe2 nanoparticles based electrocatalysts towards enhanced hydrogen and oxygen evolution reactions	International Journal of Hydrogen Energy					7.139	10.1016/j.ijhydene.20 22.11.079

184	Navaroj G.I., Julie E.G., Robinson Y.H.	Adaptive practical Byzantine fault tolerance consensus algorithm in permission blockchain network	International Journal of Web and Grid Services	18	1	62	82	7.135	10.1504/IJWGS.2022.119273
185	Vellingiri B., Chandrasekhar M., Sri Sabari S., Gopalakrishnan A.V., Narayanasamy A., Venkatesan D., Iyer M., Kesari K., Dey A.	Neurotoxicity of pesticides – A link to neurodegeneration	Ecotoxicology and Environmental Safety	243				7.129	10.1016/j.ecoenv.2022.113972
186	Azhagesan A., Chandrasekaran N., Mukherjee A.	Multispectroscopy analysis of polystyrene nanoplastic interaction with diastase $\alpha$ -amylase	Ecotoxicology and Environmental Safety	247				7.129	10.1016/j.ecoenv.2022.114226

187	Enbanathan S., Iyer S.K.	A novel phenanthridine and terpyridine based D- $\pi$ -A fluorescent probe for the ratiometric detection of Cd <sup>2+</sup> in environmental water samples and living cells	Ecotoxicology and Environmental Safety	247					7.129	10.1016/j.ecoenv.2022.114272
188	Kinikar M., Saleena B.	An intelligent personalized web user information retrieval using partial least squares and artificial neural networks	Journal of Ambient Intelligence and Humanized Computing						7.104	10.1007/s12652-021-03518-w
189	Rao P.M., Deebak B.D.	Security and privacy issues in smart cities/industries: technologies, applications, and challenges	Journal of Ambient Intelligence and Humanized Computing						7.104	10.1007/s12652-022-03707-1

190	Rahaman Z.A., Kafy A.-A., Saha M., Rahim A.A., Almulhim A.I., Rahaman S.N., Fattah M.A., Rahman M.T., S K., Faisal A.-A., Al Rakib A.	Assessing the impacts of vegetation cover loss on surface temperature, urban heat island and carbon emission in Penang city, Malaysia	Building and Environment	222				7.093	10.1016/j.buildenv.2022.109335
191	Harathi J., Thenmozhi K.	Water-soluble ionic liquid as a fluorescent probe towards distinct binding and detection of 2,4,6-trinitrotoluene and 2,4,6-trinitrophenol in aqueous medium	Chemosphere	286				7.086	10.1016/j.chemosphere.2021.131825
192	Shenbagamuthuraman V., Patel A., Khanna S., Banerjee E., Parekh S., Karthick C., Ashok B., Velvizhi G., Nanthagopal K., Ong H.C.	State of art of valorising of diverse potential feedstocks for the production of alcohols and ethers: Current changes and perspectives	Chemosphere	286				7.086	10.1016/j.chemosphere.2021.131587

193	Rani B., Nayak A.K., Sahu N.K.	Degradation of mixed cationic dye pollutant by metal free melem derivatives and graphitic carbon nitride	Chemosphere	298				7.086	10.1016/j.chemosphere.2022.134249
194	Sunny N.E., Mathew S.S., Venkat Kumar S., Saravanan P., Rajeshkannan R., Rajasimman M., Vasseghian Y.	Effect of green synthesized nano-titanium synthesized from Trachyspermum ammi extract on seed germination of Vigna radiate	Chemosphere	300				7.086	10.1016/j.chemosphere.2022.134600
195	Sunny N.E., Mathew S.S., Chandel N., Saravanan P., Rajeshkannan R., Rajasimman M., Vasseghian Y., Rajamohan N., Kumar S.V.	Green synthesis of titanium dioxide nanoparticles using plant biomass and their applications- A review	Chemosphere	300				7.086	10.1016/j.chemosphere.2022.134612
196	Gopinath P.M., Darekar A.S., Kanimozhi S., Mukherjee A., Chandrasekaran N.	Female mosquito- a potential vector for transporting plastic residues to humans	Chemosphere	301				7.086	10.1016/j.chemosphere.2022.134666

197	Vellingiri B., Suriyanarayanan A., Selvaraj P., Abraham K.S., Pasha M.Y., Winster H., Gopalakrishnan A.V., G S., Reddy J.K., Ayyadurai N., kumar N., Giridharan B., P S., Rao K.R.S.S., Senthil Kumar N., Narayanasamy A., Mahalaxmi I., Venkatesan D.	Role of heavy metals (copper (Cu), arsenic (As), cadmium (Cd), iron (Fe) and lithium (Li)) induced neurotoxicity	Chemosphere	301					7.086	10.1016/j.chemosphe re.2022.134625
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198	Qurat-ul-Ain, Javid A., Ali S., Hasan A., Senthilkumar N., Ranjitha J., Hussain A.	Coupling wastewater valorization with sustainable biofuel production: Comparison of lab- and pilot-scale biomass yields of <i>Chlorella sorokiniana</i> grown in wastewater under photoautotrophic and mixotrophic conditions	Chemosphere	301				7.086	10.1016/j.chemosphere.2022.134703
199	Rao L., Zhu Y., Duan Z., Xue T., Duan X., Wen Y., Kumar A.S., Zhang W., Xu J., Hojjati-Najafabadi A.	Lotus seedpods biochar decorated molybdenum disulfide for portable, flexible, outdoor and inexpensive sensing of hyperin	Chemosphere	301				7.086	10.1016/j.chemosphere.2022.134595

200	Mukherjee A.G., Wanjari U.R., Bradu P., Patil M., Biswas A., Murali R., Renu K., Dey A., Vellingiri B., Raja G., Iyer M., Valsala Gopalakrishnan A.	Elimination of microplastics from the aquatic milieu: A dream to achieve	Chemosphere	303				7.086	10.1016/j.chemosphere.2022.135232
201	Chellammal Gayathri R., Elakkiya V., Sumathi S.	Synthesis of cerium and bismuth doped nickel aluminate for the photodegradation of methylene blue, methyl orange and rhodamine B dyes	Chemosphere	303				7.086	10.1016/j.chemosphere.2022.135056
202	Gopinath P.M., Parvathi V.D., Yoghalakshmi N., Kumar S.M., Athulya P.A., Mukherjee A., Chandrasekaran N.	Plastic particles in medicine: A systematic review of exposure and effects to human health	Chemosphere	303				7.086	10.1016/j.chemosphere.2022.135227
203	Suguna M., Shah B., Sivakami B.U., Suresh M.	Factors affecting repurposing operations in Micro Small and Medium Enterprises during Covid-19 emergency	Operations Management Research					7.032	10.1007/s12063-022-00253-z

204	Venkatesan S., Abhinav E.M., Kumar N.P., Kavita S., Raja M.M., Parasuraman R., Kandhasamy D.M., Perumal S.	Realization of Enhanced Refrigeration Capacity with Non-Hysteretic Behavior in Ni40Gd5Co5Mn3 7In12Si1Alloy Near Room Temperature at 2T	ACS Applied Energy Materials					6.959	10.1021/acsaem.2c03 680
205	Bharath K.P., Rajesh Kumar M.	New replay attack detection using iterative adaptive inverse filtering and high frequency band	Expert Systems with Applications	195				6.954	10.1016/j.eswa.2022. 116597
206	Shunmuga Perumal P., Wang Y., Sujasree M., Mukthineni V., Ram Shimgekar S.	Intelligent advice system for human drivers to prevent overtaking accidents in roads	Expert Systems with Applications	199				6.954	10.1016/j.eswa.2022. 117178

207	Rudra S., K J., Thamizharasan G., Pradhan M., Rani B., Sahu N.K., Nayak A.K.	Fabrication of Mn <sub>3</sub> O <sub>4</sub> -WO <sub>3</sub> nanoparticles based nanocomposites symmetric supercapacitor device for enhanced energy storage performance under neutral electrolyte	Electrochimica Acta	406				6.901	10.1016/j.electacta.20 22.139870
208	Saikrithika S., Shaju A., Dinesh B., Kumar A.S.	In-situ scanning electrochemical microscopy interrogation on open-circuit release of toxic Ni <sup>2+</sup> ion from Ni- containing carbon nanomaterials and nickel- hexacyanoferrate formation in physiological pH and its thiol- electrocatalysis relevance	Electrochimica Acta	405				6.901	10.1016/j.electacta.20 21.139806

209	Jalalah M., Rudra S., Aljafari B., Irfan M., Almasabi S.S., Alsuwian T., Khazi M.I., Nayak A.K., Harraz F.A.	Sustainable synthesis of heteroatom-doped porous carbon skeleton from Acacia auriculiformis bark for high-performance symmetric supercapacitor device	Electrochimica Acta	414				6.901	10.1016/j.electacta.2022.140205
210	Sofi A., Jane Regita J., Rane B., Lau H.H.	Structural health monitoring using wireless smart sensor network – An overview	Mechanical Systems and Signal Processing	163				6.823	10.1016/j.ymssp.2021.108113
211	Mani P., Joo Y.H.	Fuzzy-logic-based event-triggered $H_{\infty}$ control for networked systems and its application to wind turbine systems	Information Sciences	585		144	161	6.795	10.1016/j.ins.2021.11.039

212	Ricky R., Shanthakumar S.	Phycoremediation integrated approach for the removal of pharmaceuticals and personal care products from wastewater – A review	Journal of Environmental Management	302				6.789	10.1016/j.jenvman.2021.113998
213	Famurewa A.C., Mukherjee A.G., Wanjari U.R., Sukumar A., Murali R., Renu K., Vellingiri B., Dey A., Valsala Gopalakrishnan A.	Repurposing FDA-approved drugs against the toxicity of platinum-based anticancer drugs	Life Sciences	305				6.78	10.1016/j.lfs.2022.120789
214	Choudhury A.A., Rajeswari V.D.	Polycystic ovary syndrome (PCOS) increases the risk of subsequent gestational diabetes mellitus (GDM): A novel therapeutic perspective	Life Sciences	310				6.78	10.1016/j.lfs.2022.121069

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216	Mukherjee A.G., Wanjari U.R., Nagarajan D., K K V., V A., P J.P., T T.P., Chakraborty R., Renu K., Dey A., Vellingiri B., Gopalakrishnan A.V.	Letrozole: Pharmacology, toxicity and potential therapeutic effects	Life Sciences	310				6.780	10.1016/j.lfs.2022.121 074
217	Loganathan T., Priya Doss C G.	The influence of machine learning technologies in gut microbiome research and cancer studies - A review	Life Sciences	311				6.780	10.1016/j.lfs.2022.121 118
218	Choudhary M., Sharma A., Raj S.A., Sultan M.T.H., Hui D., Md Shah A.U.	Contemporary review on carbon nanotube (CNT) composites and their impact on multifarious applications	Nanotechnolog y Reviews	11	1	2632	2660	6.739	10.1515/ntrev-2022- 0146

219	Muralidharan N., Gupta S., Prusty M.R., Tripathy R.K.	Detection of COVID19 from X- ray images using multiscale Deep Convolutional Neural Network	Applied Soft Computing	119				6.725	10.1016/j.asoc.2022.1 08610
220	Zhang J., Feng W., Yuan T., Wang J., Sangaiah A.K.	SCSTCF: Spatial- Channel Selection and Temporal Regularized Correlation Filters for visual tracking	Applied Soft Computing	118				6.725	10.1016/j.asoc.2022.1 08485
221	Eappen G., T S., Nilavalan R.	Cooperative relay spectrum sensing for cognitive radio network: Mutated MWOA- SNN approach	Applied Soft Computing	114				6.725	10.1016/j.asoc.2021.1 08072
222	Muni M.K., Parhi D.R., Kumar P.B., Sahu C., Kumar S.	Towards motion planning of humanoids using a fuzzy embedded neural network approach	Applied Soft Computing	119				6.725	10.1016/j.asoc.2022.1 08588



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224	Vishnu J., Ansheed A.R., Hameed P., Praveenkumar K., Pilz S., Andrea Alberta L., Swaroop S., Calin M., Gebert A., Manivasagam G.	Insights into the surface and biocompatibility aspects of laser shock peened Ti-22Nb alloy for orthopedic implant applications	Applied Surface Science	586				6.707	10.1016/j.apsusc.2022.152816
225	Shakeel T., Habib S., Boulila W., Koubaa A., Javed A.R., Rizwan M., Gadekallu T.R., Sufiyan M.	A survey on COVID-19 impact in the healthcare domain: worldwide market implementation, applications, security and privacy issues, challenges and future prospects	Complex and Intelligent Systems					6.7	10.1007/s40747-022-00767-w

226	Butt U.A., Amin R., Aldabbas H., Mohan S., Alouffi B., Ahmadian A.	Cloud-based email phishing attack using machine and deep learning algorithm	Complex and Intelligent Systems					6.7	10.1007/s40747-022-00760-3
227	Kumar S U., Balasundaram A., Cathryn R H., Varghese R.P., R S., R G., Younes S., Zayed H., Doss C G.P.	Whole-exome sequencing analysis of NSCLC reveals the pathogenic missense variants from cancer-associated genes	Computers in Biology and Medicine					6.698	10.1016/j.compbioimed.2022.105701
228	Jawahar M., H S., L J.A., Gandomi A.H.	ALNett: A cluster layer deep convolutional neural network for acute lymphoblastic leukemia classification	Computers in Biology and Medicine	148				6.698	10.1016/j.compbioimed.2022.105894

229	Thirunavukarasu R., C G.P.D., R G., Gopikrishnan M., Palanisamy V.	Towards computational solutions for precision medicine based big data healthcare system using deep learning models: A review	Computers in Biology and Medicine	149				6.698	10.1016/j.compbio med.2022.106020
230	Vellingiri B., Suriyanarayanan A., Abraham K.S., Venkatesan D., Iyer M., Raj N., Gopalakrishnan A.V.	Influence of heavy metals in Parkinson's disease: an overview	Journal of Neurology					6.682	10.1007/s00415-022- 11282-w
231	Manojkumar N., Srimuruganandam B.	Size-segregated particulate matter characteristics in indoor and outdoor environments of urban traffic and residential sites	Urban Climate	44				6.663	10.1016/j.uclim.2022. 101232
232	Manochkumar J., Singh A., Efferth T., Ramamoorthy S.	Untapping the protective role of carotenoids against respiratory diseases	Phytomedicine	104				6.656	10.1016/j.phymed.20 22.154286

233	Basha A.A., Khan F.L.A., Hussain B.H.K.	Dielectric relaxation and thermodynamica l parameters of hydrogen bonded complexes for Heptanamide and Pentanamide with halogenated phenols in benzene	Journal of Molecular Liquids	363				6.633	10.1016/j.molliq.2022 .119853
234	Al Murad M., Muneer S.	Silicon Supplementation Modulates Physiochemical Characteristics to Balance and Ameliorate Salinity Stress in Mung Bean	Frontiers in Plant Science	13				6.627	10.3389/fpls.2022.81 0991

235	Rajasheker G., Nagaraju M., Varghese R.P., Jalaja N., Somanaboina A.K., Singam P., Ramakrishna C., Penna S., Sreenivasulu N., Kishor P.B.K.	Identification and analysis of proline-rich proteins and hybrid proline- rich proteins super family genes from Sorghum bicolor and their expression patterns to abiotic stress and zinc stimuli	Frontiers in Plant Science	13				6.627	10.3389/fpls.2022.95 2732
236	Shukla A., Vijayakumar V., Nisar K.S., Singh A.K., Udhayakumar R., Botmart T., Albalawi W., Mahmoud M.	An analysis on approximate controllability of semilinear control systems with impulsive effects	Alexandria Engineering Journal	61	12	12293	12299	6.626	10.1016/j.aej.2022.06 .021
237	Khan A., Iqbal J., Akgül A., Ali R., Du Y., Hussain A., Nisar K.S., Vijayakumar V.	A Newton-type technique for solving absolute value equations	Alexandria Engineering Journal					6.626	10.1016/j.aej.2022.08 .052

238	Ma Y.-K., Vijayakumar V., Shukla A., Nisar K.S., Thilagavathi K., Nashine H.K., Singh A.K., Zakarya M.	Discussion on the existence of mild solution for fractional derivative by Mittag–Leffler kernel to fractional stochastic neutral differential inclusions	Alexandria Engineering Journal					6.626	10.1016/j.aej.2022.08 .006
239	Peng H., Tian Z., Li X., Wang W., Nauryzbayev G., Rabie K., Gadekallu T.R.	Covert communication for cooperative NOMA with two phases detection	Alexandria Engineering Journal					6.626	10.1016/j.aej.2022.10 .031
240	Nabwey H.A., Rashad A.M., Reddy P.B.A., Jakeer S., Mansour M.A., Salah T.	Radiative effects on unsteady MHD natural convection flow in an inclined wavy porous cavity using hybrid nanofluid containing a square obstacle	Alexandria Engineering Journal					6.626	10.1016/j.aej.2022.10 .004

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242	Mukherjee A.G., Wanjari U.R., Bradu P., Murali R., Kannampuzha S., Loganathan T., C G.P.D., Prakash B.P A., Renu K., Dey A., Vellingiri B., Valsala Gopalakrishnan A.	The crosstalk of the human microbiome in breast and colon cancer: A metabolomics analysis	Critical Reviews in Oncology/Hematology	176				6.625	10.1016/j.critrevonc.2022.103757
243	Dhilipkumar T., Rajesh M.	Multi-scale strengthening of co-cure joints through multiwall carbon nanotube modified adhesive and GFRP pins	Composites Communications	29				6.617	10.1016/j.coco.2022.101056

244	Sathish Sharma G., Sugavaneswaran M., Prakash R.	Design and validation of additive manufactured catalytic converter for the control of regulated and unregulated emissions of a gasohol fuelled spark ignition engine	Fuel	309				6.609	10.1016/j.fuel.2021.122146
245	Vignesh R., Ashok B.	Enhancement of biofuel engine characteristics through cyclic variation and multi-variate effect of split injection parameters	Fuel	319				6.609	10.1016/j.fuel.2022.123860



246	Ramalingam S., Babu D., Santhoshkumar A., Deepakkumar R., Ravikanth D.	Impact of exhaust gas recirculation and split injection strategy combustion behavior on premixed charge compression ignition engine fuelled with moringa oleifera methyl ester	Fuel	319					6.609	10.1016/j.fuel.2022.123702
247	Ganesan N., Viswanathan K., Karthic S.V., Ekambaram P., Wu W., Vo D.-V.N.	Split injection strategies based RCCI combustion analysis with waste cooking oil biofuel and methanol in an open ECU assisted CRDI engine	Fuel	319					6.609	10.1016/j.fuel.2022.123710

248	Sathish Kumar T., Ashok B., Senthil Kumar M., Vignesh R., Saiteja P., Ramachandra Bhat Hire K., Harshal Tote M., Pandey R., Jadhav A., Gupta A., Rastogi D., Ayyasamy T.	Biofuel powered engine characteristics improvement through split injection parameter multivariate optimization with titanium based nano- particle additives	Fuel	322				6.609	10.1016/j.fuel.2022.1 24178
249	Sharma P., Sahoo B.B.	Precise prediction of performance and emission of a waste derived Biogas–Biodiesel powered Dual–Fuel engine using modern ensemble Boosted regression Tree: A critique to Artificial neural network	Fuel	321				6.609	10.1016/j.fuel.2022.1 24131

250	Perumalla Vijaya Kumar, Ashok B., kumar M.S., Vignesh R., Bhasker J.P., Kumar A.N.	Evaluation of performance, emissions and combustion attributes of CI engine using palmyra biodiesel blend with distinct compression ratios, EGR rates and nano-particles	Fuel	321				6.609	10.1016/j.fuel.2022.124092
251	Sathish Kumar T., Ashok B., Senthilkumar M., Saiteja P., Vignesh R., Karthick C., Nithin P.S., Durairaj K., Saju N., Agarwal C., Bhutani S., Gadwe J.	Enhancement of engine characteristics through zirconium nano particle addition and split injection parameter optimization for the adaptability of eucalyptus biofuel in diesel engine	Fuel	323				6.609	10.1016/j.fuel.2022.124425

252	Sathish Kumar T., Vignesh R., Ashok B., Saiteja P., Jacob A., Karthick C., Jeevanantham A.K., Senthilkumar M., Muhammad Usman K.	Application of statistical approaches in IC engine calibration to enhance the performance and emission Characteristics: A methodological review	Fuel	324				6.609	10.1016/j.fuel.2022.1 24607
253	Soni S.K., Thomas B., Swain A., Roy T.	Functionally graded carbon nanotubes reinforced composite structures: An extensive review	Composite Structures	299				6.603	10.1016/j.compstruct. 2022.116075
254	Manickam G., Rajamohan V., Gunasekaran V., Pitchaimani J., Mohamed H.	Nonlinear flutter of 2D variable stiffness curvilinear fibers composite laminates by a higher-order shear flexible beam theory with Poisson's effect	Composite Structures	301				6.603	10.1016/j.compstruct. 2022.116220

255	Venkateshalu S., Subashini G., Bhardwaj P., Jacob G., Sellappan R., Raghavan V., Jain S., Pandiaraj S., Natarajan V., Al Alwan B.A.M., Al Mesfer M.K.M., Alodhayb A., Khalid M., Grace A.N.	Phosphorene, antimonene, silicene and siloxene based novel 2D electrode materials for supercapacitors- A brief review	Journal of Energy Storage	48				6.583	10.1016/j.est.2022.10 4027
256	Rudra S., Deka N., Nayak A.K., Pradhan M., Dutta G.K.	Facile hydrothermal synthesis of Au- Mn3O4 decorated graphene oxide nanocomposites for solid-state supercapacitor	Journal of Energy Storage	50				6.583	10.1016/j.est.2022.10 4615
257	Singirikonda S., Obulesu Y.P.	Adaptive secondary loop liquid cooling with refrigerant cabin active thermal management system for electric vehicle	Journal of Energy Storage	50				6.583	10.1016/j.est.2022.10 4624

258	Sheik M.A., Aravindan M.K., Beemkumar N., Chaurasiya P.K., Jilte R., Shaik S., Afzal A.	Investigation on the thermal management of solar photo voltaic cells cooled by phase change material	Journal of Energy Storage	52				6.583	10.1016/j.est.2022.10 4914
259	Harish S., Sathyakam P.U.	A review of tin selenide-based electrodes for rechargeable batteries and supercapacitors	Journal of Energy Storage	52				6.583	10.1016/j.est.2022.10 4966
260	Ahmad F., Varghese R., Panda S., Ramamoorthy S., Areeshi M.Y., Fagoonee S., Haque S.	Smart Nanoformulation s for Brain Cancer Theranostics: Challenges and Promises	Cancers	14	21			6.575	10.3390/cancers1421 5389
261	Murugan D., Murugesan V., Panchapakesan B., Rangasamy L.	Nanoparticle Enhancement of Natural Killer (NK) Cell-Based Immunotherapy	Cancers	14	21			6.575	10.3390/cancers1421 5438

262	Raut S.U., Deshmukh S.A., Barange S.H., Bhagat P.R.	Visible-light mediated sustainable route for conversion of biomass derived levulinic acid to value added compounds by porphyrin photocatalyst	Catalysis Today					6.562	10.1016/j.cattod.2022.08.013
263	Famurewa A.C., Renu K., Eladl M.A., Chakraborty R., Myakala H., El-Sherbiny M., Elsherbini D.M.A., Vellingiri B., Madhyastha H., Ramesh Wanjari U., Goutam Mukherjee A., Valsala Gopalakrishnan A.	Hesperidin and hesperetin against heavy metal toxicity: Insight on the molecular mechanism of mitigation	Biomedicine and Pharmacotherapy	149				6.529	10.1016/j.biopha.2022.112914
264	Mundekkad D., Cho W.C.	Mitophagy Induced by Metal Nanoparticles for Cancer Treatment	Pharmaceutics	14	11			6.525	10.3390/pharmaceutics14112275

265	Kongasseri A., Deivasigamani P., Mohan A.M.	Probe tethered monolithic architectures as facile solid-state chemosensors for the on-site colorimetric recognition of Co(II) in aqueous and industrial samples	Environmental Research	203				6.498	10.1016/j.envres.2021.111861
266	Elanchezhiyan M., Ganesan S., Theyagarajan K., Duraisamy M., Thenmozhi K., Weng C.-H., Lin Y.- T., Ponnusamy V.K.	Novel biomass-derived porous-graphitic carbon coated iron oxide nanocomposite as an efficient electrocatalyst for the sensitive detection of rutin (vitamin P) in food and environmental samples	Environmental Research	211				6.498	10.1016/j.envres.2022.113012
267	Pan X., Cai X., Song K., Baker T., Gadekallu T.R., Yuan X.	Location Recommendation Based on Mobility Graph With Individual and Group Influences	IEEE Transactions on Intelligent Transportation Systems					6.492	10.1109/TITS.2022.3149869



268	Wang W., Srivastava G., Lin J.C., Yang Y., Alazab M., Gadekallu T.R.	Data Freshness Optimization Under CAA in the UAV-Aided MECN: A Potential Game Perspective	IEEE Transactions on Intelligent Transportation Systems					6.492	10.1109/TITS.2022.3167485
269	Raja G., Anbalagan S., Senthilkumar S., Dev K., Qureshi N.M.F.	SPAS: Smart Pothole-Avoidance Strategy for Autonomous Vehicles	IEEE Transactions on Intelligent Transportation Systems					6.492	10.1109/TITS.2022.3161589
270	Kumari Agarwal N., Biswas P., Shirke A.	Novel model predictive control by hypothetical stages to improve energy efficiency of industrial cooling tower	Applied Thermal Engineering	215				6.465	10.1016/j.applthermaleng.2022.118899
271	Yogesh M.J., Karthikeyan J.	Health Informatics: Engaging Modern Healthcare Units: A Brief Overview	Frontiers in Public Health	10				6.461	10.3389/fpubh.2022.854688

272	Rupa C., Srivastava G., Ganji B., Tatiparthi S.P., Maddala K., Koppu S., Chun-Wei Lin J.	Medicine Drug Name Detection Based Object Recognition Using Augmented Reality	Frontiers in Public Health	10				6.461	10.3389/fpubh.2022.881701
273	Li W., Xiao Y., Hu H., Zhu C., Wang H., Liu Z., Sangaiah A.K.	Retinal Vessel Segmentation Based on B-COSFIRE Filters in Fundus Images	Frontiers in Public Health	10				6.461	10.3389/fpubh.2022.914973
274	Gandam P.K., Chinta M.L., Pabbathi N.P.P., Baadhe R.R., Sharma M., Thakur V.K., Sharma G.D., Ranjitha J., Gupta V.K.	Second-generation bioethanol production from corncob – A comprehensive review on pretreatment and bioconversion strategies, including techno-economic and lifecycle perspective	Industrial Crops and Products	186				6.449	10.1016/j.indcrop.2022.115245

275	Bhuvanewari C., Palpandi K., Raman N., Babu S.G.	Sustainable architecting of Co <sub>2</sub> SnO <sub>4</sub> /CE-BN-based electrochemical platform for highly selective and ultrasensitive detection of 2-nitroaniline in life samples	Mikrochimica acta	189	10	390		6.408	10.1007/s00604-022-05484-2
276	Shokrani H., Shokrani A., Sajadi S.M., Seidi F., Mashhadzadeh A.H., Rabiee N., Saeb M.R., Aminabhavi T., Webster T.J.	Cell-Seeded Biomaterial Scaffolds: The Urgent Need for Unanswered Accelerated Angiogenesis	International journal of nanomedicine	17		1035	1068	6.400	10.2147/IJN.S353062
277	Biswas P., Ghorai M., Mishra T., Gopalakrishnan A.V., Roy D., Mane A.B., Mundhra A., Das N., Mohture V.M., Patil M.T., Rahman M.H., Jha N.K., Batiha G.E.-S., Saha S.C., Shekhawat M.S., Radha, Kumar M., Pandey D.K., Dey A.	Piper longum L.: A comprehensive review on traditional uses, phytochemistry, pharmacology, and health-promoting activities	Phytotherapy Research					6.388	10.1002/ptr.7649

278	Rodney J.D., Deepapriya S., Das S.J., Robinson M.C., Perumal S., Katlakunta S., Sivakumar P., Jung H., Raj C.J.	Boosting overall electrochemical water splitting via rare earth doped cupric oxide nanoparticles obtained by co- precipitation technique	Journal of Alloys and Compounds	921				6.371	10.1016/j.jallcom.202 2.165948
279	Singh N., Ummethala R., Surreddi K.B., Jayaraj J., Sokkalingam R., Rajput M., Chatterjee K., Prashanth K.G.	Effect of TiB2 addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites	Journal of Alloys and Compounds	924				6.371	10.1016/j.jallcom.202 2.166502
280	Thirunavukkarasu M.K., Suriya U., Rungrotmongkol T., Karuppasamy R.	In Silico Screening of Available Drugs Targeting Non- Small Cell Lung Cancer Targets: A Drug Repurposing Approach	Pharmaceutics	14	1			6.321	10.3390/pharmaceuti cs14010059

281	Balaji K.	Machine learning algorithm for feature space clustering of mixed data with missing information based on molecule similarity	Journal of Biomedical Informatics	125				6.317	10.1016/j.jbi.2021.103954
282	Whenish R., Ramakrishna S., Jaiswal A.K., Manivasagam G.	A framework for the sustainability implications of 3D bioprinting through nature-inspired materials and structures	Bio-Design and Manufacturing					6.302	10.1007/s42242-021-00168-x
283	Florance I., Chandrasekaran N., Gopinath P.M., Mukherjee A.	Exposure to polystyrene nanoplastics impairs lipid metabolism in human and murine macrophages in vitro	Ecotoxicology and Environmental Safety	238				6.291	10.1016/j.ecoenv.2022.113612

284	Liyanage M., Pham Q.-V., Dev K., Bhattacharya S., Maddikunta P.K.R., Gadekallu T.R., Yenduri G.	A survey on Zero touch network and Service Management (ZSM) for 5G and beyond networks	Journal of Network and Computer Applications	203				6.281	10.1016/j.jnca.2022.103362
285	Arif M., Suneetha S., Basha T., Anki Reddy P.B., Kumam P.	Stability analysis of diamond-silver-ethylene glycol hybrid based radiative micropolar nanofluid: A solar thermal application	Case Studies in Thermal Engineering	39				6.268	10.1016/j.csite.2022.102407
286	Ramkumar A., Ramakrishnan M.	Performance improvement of thermoelectric generator by drooping the cool side temperature with thermacool 0.3M coating	Case Studies in Thermal Engineering	39				6.268	10.1016/j.csite.2022.102418

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288	Liu J., Yadav S., Kim S.C.	Performance of a thermoelectric generator system for waste heat recovery utilizing plate fin heat sink in bronze ingot casting industry	Case Studies in Thermal Engineering	38				6.268	10.1016/j.csite.2022.102340
289	Sankaralingam R.K., Feroskhan M., Elango M., Yunus Khan T.M., Javed S., Baig R.U., Thangavel V.	Experimental studies on premixed charge and reactivity-controlled compression ignition combustion modes using gasoline/diesel fuel combination	Case Studies in Thermal Engineering	39				6.268	10.1016/j.csite.2022.102467

290	Jory K., Satheesh A.	Marangoni convection in shallow annular pools of silicone oil heated from above	Case Studies in Thermal Engineering	40				6.268	10.1016/j.csite.2022.102556
291	Chandrasekar V., Ramkumar K.D.	Effect of Nb-free consumables on the microstructure and structural integrity of pressure vessel grades of dissimilar austenitic stainless steel welded joints	Journal of Materials Research and Technology	18		3443	3456	6.267	10.1016/j.jmrt.2022.04.029
292	Nataraj M.V., Swaroop S.	Deformation-induced phase transition and nanotwins in SS 304 steel during cryogenic laser shock peening without coating	Journal of Materials Research and Technology	19		2611	2622	6.267	10.1016/j.jmrt.2022.06.005



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294	Rao R.N., Chanda K.	2-Aminopyridine- an unsung hero in drug discovery	Chemical Communicatio ns	58	3	343	382	6.222	10.1039/d1cc04602k
295	Gupta V., Santosh K.C., Arora R., Ciano T., Kalid K.S., Mohan S.	Socioeconomic impact due to COVID-19: An empirical assessment	Information Processing and Management	59	2			6.222	10.1016/j.ipm.2021.1 02810
296	Ilakiyalakshmi M., Arumugam Napoleon A.	Review on recent development of quinoline for anticancer activities	Arabian Journal of Chemistry	15	11			6.212	10.1016/j.arabjc.2022 .104168

297	Jayaprakash M., Kannappan S.	An overview of a sustainable approach to the biosynthesis of AgNPs for electrochemical sensors	Arabian Journal of Chemistry	15	12			6.212	10.1016/j.arabjc.2022.104324
298	Rajagopal M., Senthilnathan R., Shetty S., Devi A., Ravishankar Ram M., Samiappan S., Jayaraj R.	Conceptual interpretation and clinical applicability of a systematic review and meta-analysis about prognostic value of apolipoproteins in COVID-19 patients	Travel Medicine and Infectious Disease	46				6.211	10.1016/j.tmaid.2021.102248
299	Balasundaram A., Doss C.G.P.	Unraveling the Structural Changes in the DNA-Binding Region of Tumor Protein p53 (TP53) upon Hotspot Mutation p53 Arg248 by Comparative Computational Approach	International Journal of Molecular Sciences	23	24			6.208	10.3390/ijms232415499

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301	Kandasamy J., Kinare Y.P., Pawar M.T., Majumdar A., K.E.K. V., Agrawal R.	Circular economy adoption challenges in medical waste management for sustainable development: An empirical study	Sustainable Development					6.159	10.1002/sd.2293

302	Jacob A., Ashok B., Usman K.M.	Production of Chlorella pyrenoidosa biodiesel by heterotrophic pathway to improve CI engine output characteristics using statistical approaches	Process Safety and Environmental Protection	160		478	490	6.158	10.1016/j.psep.2022.0 2.040
303	Muthuraman V.S., Patel A., Shreya V., Vaidyanathan A., Reshwanth K.N.G.L., Karthick C., Jacqueline P.J., Jan Gęca M., Ashok B., Sivagami K., Nanthagopal K.	Progress on compatibility issues of alcohols on automotive materials: Kinetics, challenges and future prospects- a comprehensive review	Process Safety and Environmental Protection	162		463	493	6.158	10.1016/j.psep.2022.0 4.022

304	Naha A., Banerjee S., Debroy R., Basu S., Ashok G., Priyamvada P., Kumar H., Preethi A.R., Singh H., Anbarasu A., Ramaiah S.	Network metrics, structural dynamics and density functional theory calculations identified a novel Ursodeoxycholic Acid derivative against therapeutic target Parkin for Parkinson's disease	Computational and Structural Biotechnology Journal	20		4271	4287	6.155	10.1016/j.csbj.2022.08.017
305	Anto G., Athira K., Nair N.A., Sai T.Y., Yadav A.L., Sairam V.	Mechanical properties and durability of ternary blended cement paste containing rice husk ash and nano silica	Construction and Building Materials	342				6.141	10.1016/j.conbuildmat.2022.127732

306	Singh D.L., Ghosh T.K., Mishra V., Ramasamy S., Sahoo M.K., Gangavarapu R.R.	Three-Dimensional Lanthanide-Based Nanoporous Metal-Organic Frameworks for High-Performance Supercapacitors	ACS Applied Nano Materials					6.14	10.1021/acsnm.2c03347
307	Nayak A.K., Gopalakrishnan T.	Phase- And Crystal Structure-Controlled Synthesis of Bi <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , and BiFeO <sub>3</sub> Nanomaterials for Energy Storage Devices	ACS Applied Nano Materials					6.14	10.1021/acsnm.2c03026
308	Vignesh V., Velusamy V., Srinivasan M., Nirmala R., Ramasamy P., Panomsuwan G., Navamathavan R.	Thermo-chemically functionalized porous featured bio-carbon based asymmetric supercapacitor for new limits of energy storage	Surfaces and Interfaces	35				6.137	10.1016/j.surfin.2022.102418

309	Ponnusamy N., Arumugam M.	Meta-analysis of active tuberculosis gene expression ascertains host directed drug targets	Frontiers in Cellular and Infection Microbiology	12				6.073	10.3389/fcimb.2022.1 010771
310	Ben-Zichri S., Rajendran S., Bhunia S.K., Jelinek R.	Resveratrol Carbon Dots Disrupt Mitochondrial Function in Cancer Cells	Bioconjugate Chemistry					6.069	10.1021/acs.bioconjc hem.2c00282
311	Chadha U., Bhardwaj P., Agarwal R., Rawat P., Agarwal R., Gupta I., Panjwani M., Singh S., Ahuja C., Selvaraj S.K., Banavoth M., Sonar P., Badoni B., Chakravorty A.	Recent progress and growth in biosensors technology: A critical review	Journal of Industrial and Engineering Chemistry					6.064	10.1016/j.jiec.2022.02 .010

312	Hemalatha M., Subathra Devi C.	A statistical optimization by response surface methodology for the enhanced production of riboflavin from Lactobacillus plantarum–HDS27: A strain isolated from bovine milk	Frontiers in Microbiology	13				6.064	10.3389/fmicb.2022.982260
313	Summers S., Pek Y.S., Vinod D.P., McDougald D., Todd P.A., Birch W.R., Rice S.A.	Bacterial biofilm colonization and succession in tropical marine waters are similar across different types of stone materials used in seawall construction	Frontiers in Microbiology	13				6.064	10.3389/fmicb.2022.928877
314	Nair S.R., Subathra Devi. C.	Serratiopeptidase: An integrated View of Multifaceted Therapeutic Enzyme	Biomolecules	12	10			6.064	10.3390/biom12101468
315	V. K A.D., Ray S., Arora U., Mitra S., Sionkowska A., Jaiswal A.K.	Dual drug delivery platforms for bone tissue engineering	Frontiers in Bioengineering and Biotechnology	10				6.064	10.3389/fbioe.2022.969843



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317	Rajendran D., Chandrasekaran N., Waychal Y., Mukherjee A.	Nanoplastics alter the conformation and activity of human serum albumin	NanoImpact	27				6.038	10.1016/j.impact.2022.100412
318	Maldonado-Lopez D., Rodriguez J.R., Pol V.G., Syamsai R., Andrews N.G., Gutiérrez-Ojeda S.J., Ponce-Pérez R., Moreno-Armenta M.G., Guerrero-Sánchez J.	Atomic-Scale Understanding of Li Storage Processes in the Ti <sub>4</sub> C <sub>3</sub> and Chemically Ordered Ti <sub>2</sub> Ta <sub>2</sub> C <sub>3</sub> MXenes: A Theoretical and Experimental Assessment	ACS Applied Energy Materials	5	2	1801	1809	6.024	10.1021/acsaem.1c03239
319	Dasmahapatra U., Chanda K.	Synthetic approaches to potent heterocyclic inhibitors of tuberculosis: A decade review	Frontiers in Pharmacology	13				5.988	10.3389/fphar.2022.1021216

320	Bhowmick A., Dhar Roy S., Kundu S.	Throughput Maximization of a UAV Assisted CR Network with NOMA-Based Communication and Energy-Harvesting	IEEE Transactions on Vehicular Technology	71	1	362	374	5.978	10.1109/TVT.2021.3123183
321	Renu K., Veeraraghavan V.P., Raj A T., Patil S., Valsala Gopalakrishnan A.	The peroxisome proliferator-activated receptor-alpha (PPAR- $\alpha$ ): A new therapeutic target for oral cancer	Oral Oncology	132				5.972	10.1016/j.oraloncology.2022.106007
322	Ramasubbu K., Devi Rajeswari V.	A novel target approach for epithelial-mesenchymal transitioning oral squamous cell carcinoma and their involvement of PI3K/Akt/mTOR and Hedgehog signaling pathway	Oral Oncology	134				5.972	10.1016/j.oraloncology.2022.106119

323	Dineshkumar C., Udhayakumar R., Vijayakumar V., Nisar K.S., Shukla A.	A note concerning to approximate controllability of Atangana-Baleanu fractional neutral stochastic systems with infinite delay	Chaos, Solitons and Fractals	157				5.944	10.1016/j.chaos.2022.111916
324	Kavitha K., Vijayakumar V.	A discussion concerning to partial-approximate controllability of Hilfer fractional system with nonlocal conditions via approximating method	Chaos, Solitons and Fractals	157				5.944	10.1016/j.chaos.2022.111924
325	Mohan Raja M., Vijayakumar V.	Existence results for Caputo fractional mixed Volterra-Fredholm-type integrodifferential inclusions of order $r \in (1, 2)$ with sectorial operators	Chaos, Solitons and Fractals	159				5.944	10.1016/j.chaos.2022.112127

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327	Mundekkad D., Cho W.C.	Nanoparticles in Clinical Translation for Cancer Therapy	International Journal of Molecular Sciences	23	3			5.923	10.3390/ijms2303168 5
328	Varghese P.M., Kishore U., Rajkumari R.	Human C1q Regulates Influenza A Virus Infection and Inflammatory Response via Its Globular Domain	International Journal of Molecular Sciences	23	6			5.923	10.3390/ijms2306304 5
329	Shanavas S., Haija M.A., Singh D.P., Ahamad T., Roopan S.M., Van Le Q., Acevedo R., Anbarasan P.M.	Development of high efficient Co3O4/Bi2O3/rG O nanocomposite for an effective photocatalytic degradation of pharmaceutical molecules with improved interfacial charge transfer	Journal of Environmental Chemical Engineering	10	2			5.909	10.1016/j.jece.2022.1 07243

330	Ramana Maduru V., Shaik S., Cuce E., Afzal A., Panchal H., Mert Cuce P.	UV coated acrylics as a substitute for generic glazing in buildings of Indian climatic conditions: Prospective for energy savings, CO2 abatement, and visual acceptability	Energy and Buildings	268				5.879	10.1016/j.enbuild.202 2.112231
331	Suresh C., Kumar Hotta T., Saha S.K.	Phase change material incorporation techniques in building envelopes for enhancing the building thermal Comfort-A review	Energy and Buildings	268				5.879	10.1016/j.enbuild.202 2.112225

332	Pavoor Veedu A., Deivasigamani P.	Chromoionophore integrated hexagonal mesopore silica monolith as reusable two-in-one solid-state sensor for the sequential optical recognition of ultra-trace Co <sup>2+</sup> and Fe <sup>3+</sup> ions	Microporous and Mesoporous Materials	343				5.876	10.1016/j.micromeso.2022.112139
333	Gainor K., Castillo Fortuna Y., Alakkaparambil A.S., González W., Malik Y.S., Ghosh S.	Detection and Complete Genome Analysis of Porcine Circovirus 2 (PCV2) and an Unclassified CRESS DNA Virus from Diarrheic Pigs in the Dominican Republic: First Evidence for Predominance of PCV2d from the Caribbean Region	Viruses	14	8			5.818	10.3390/v14081799

334	Swetha R.G., Basu S., Ramaiah S., Anbarasu A.	Multi-Epitope Vaccine for Monkeypox Using Pan-Genome and Reverse Vaccinology Approaches	Viruses	14	11			5.818	10.3390/v14112504
335	Velvizhi G., Sarkar O., Rovira-Alsina L., Puig S., Mohan S.V.	Conversion of carbon dioxide to value added products through anaerobic fermentation and electro fermentation: A comparative approach	International Journal of Hydrogen Energy					5.816	10.1016/j.ijhydene.2021.12.205
336	Sekar S., Brindha Devi S., Maruthasalamoorthy S., Maiyalagan T., Kim D.Y., Lee S., Navamathavan R.	One-step facile hydrothermal synthesis of rGO-CoS <sub>2</sub> nanocomposites for high performance HER electrocatalysts	International Journal of Hydrogen Energy					5.816	10.1016/j.ijhydene.2022.04.069

337	Sharma P., Sahoo B.B., Said Z., Hadiyanto H., Nguyen X.P., Nižetić S., Huang Z., Hoang A.T., Li C.	Application of machine learning and Box-Behnken design in optimizing engine characteristics operated with a dual-fuel mode of algal biodiesel and waste-derived biogas	International Journal of Hydrogen Energy					5.816	10.1016/j.ijhydene.2022.04.152
338	Sharma P., Sahoo B.B.	An ANFIS-RSM based modeling and multi-objective optimization of syngas powered dual-fuel engine	International Journal of Hydrogen Energy					5.816	10.1016/j.ijhydene.2022.04.093
339	Devi S.B., Sekar S., Kowsuki K., Maiyalagan T., Preethi V., Nirmala R., Lee S., Navamathavan R.	Graphitic carbon nitrite encapsulated sonochemically synthesized $\beta$ -nickel hydroxide nanocomposites for electrocatalytic hydrogen generation	International Journal of Hydrogen Energy					5.816	10.1016/j.ijhydene.2022.04.072



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341	Wang R., Lai J., Zhang Z., Li X., Vijayakumar P., Karuppiyah M.	Privacy-Preserving Federated Learning for Internet of Medical Things under Edge Computing	IEEE Journal of Biomedical and Health Informatics					5.772	10.1109/JBHI.2022.3157725
342	Elango D., Rajendran K., Van der Laan L., Sebastiar S., Raigne J., Thaiparambil N.A., El Haddad N., Raja B., Wang W., Ferela A., Chiteri K.O., Thudi M., Varshney R.K., Chopra S., Singh A., Singh A.K.	Raffinose Family Oligosaccharides: Friend or Foe for Human and Plant Health?	Frontiers in Plant Science	13				5.753	10.3389/fpls.2022.829118
343	Venkat A., Muneer S.	Role of Circadian Rhythms in Major Plant Metabolic and Signaling Pathways	Frontiers in Plant Science	13				5.753	10.3389/fpls.2022.836244

344	Thriveni G., Ghosh K.	Advancement and Challenges of Biosensing Using Field Effect Transistors	Biosensors	12	8			5.743	10.3390/bios12080647
345	Prasanth A., Getachew S., Shewa T., Velumani M., Meher S.R., Alex Z.C.	A Bilayer SnO <sub>2</sub> /MoS <sub>2</sub> -Coated Evanescent Wave Fiber Optic Sensor for Acetone Detection-An Experimental Study	Biosensors	12	9			5.743	10.3390/bios12090734
346	Dukle A., Nathanael A.J., Panchapakesan B., Oh T.-H.	Role of Paper-Based Sensors in Fight against Cancer for the Developing World	Biosensors	12	9			5.743	10.3390/bios12090737
347	Rajulapati A., Mahalingam P.	High gain multi-input converter with inherent current sharing mechanism for photovoltaic applications	Solar Energy	233		118	133	5.742	10.1016/j.solener.2022.01.028

348	Vijayan K., Vijayachamundeeswari S.P., Sivaperuman K., Ahsan N., Logu T., Okada Y.	A review on advancements, challenges, and prospective of copper and non-copper based thin-film solar cells using facile spray pyrolysis technique	Solar Energy	234		81	102	5.742	10.1016/j.solener.2022.01.070
349	Chidubem Iluyemi D., Nundy S., Shaik S., Tahir A., Ghosh A.	Building energy analysis using EC and PDLC based smart switchable window in Oman	Solar Energy	237		301	312	5.742	10.1016/j.solener.2022.04.009
350	Ali T.M., Nawaz A., Ur Rehman A., Ahmad R.Z., Javed A.R., Gadekallu T.R., Chen C.-L., Wu C.-M.	A Sequential Machine Learning-cum-Attention Mechanism for Effective Segmentation of Brain Tumor	Frontiers in Oncology	12				5.738	10.3389/fonc.2022.873268
351	Ramana K., Kumar M.R., Sreenivasulu K., Gadekallu T.R., Bhatia S., Agarwal P., Idrees S.M.	Early Prediction of Lung Cancers Using Deep Saliency Capsule and Pre-Trained Deep Learning Frameworks	Frontiers in Oncology	12				5.738	10.3389/fonc.2022.886739

352	Ganesh R.A., Sonpatki P., Naik D., John A.E., Sathe G., Lakshmikantha A., Chandrachari K.P., Bauer L., Knäuper V., Aeschlimann D., Venkatraaman K., Shah N., Sirdeshmukh R.	Multi-Omics Analysis of Glioblastoma and Glioblastoma Cell Line: Molecular Insights Into the Functional Role of GPR56 and TG2 in Mesenchymal Transition	Frontiers in Oncology	12				5.738	10.3389/fonc.2022.84 1890
353	Somasundaram M., Uttamchand N.K., Annamalai A.R., Jen C.-P.	Insights on Spark Plasma Sintering of Magnesium Composites: A Review	Nanomaterials	12	13			5.719	10.3390/nano121321 78
354	Raman S., Arunagirinathan R.S.	Silver Nanowires in Stretchable Resistive Strain Sensors	Nanomaterials	12	11			5.719	10.3390/nano121119 32

355	Govindasamy R., Govindarasu M., Alharthi S.S., Mani P., Bernaurdshaw N., Gomathi T., Ansari M.A., Alomary M.N., Atwah B., Malik M.S., Rajeswari V.D., Rekha K., Ahmed S.A., Thiruvengadam M.	Sustainable Green Synthesis of Yttrium Oxide (Y2O3) Nanoparticles Using Lantana camara Leaf Extracts: Physicochemical Characterization, Photocatalytic Degradation, Antibacterial, and Anticancer Potency	Nanomaterials	12	14			5.719	10.3390/nano12142393
356	Pachiyappan J., Nirmala G., Sivamani S., Govindasamy R., Thiruvengadam M., Derkho M., Burkov P., Popovich A., Gribkova V.	Biogenic Synthesis, Characterization, and Photocatalytic Evaluation of Pristine and Graphene-Loaded Zn50Mg50O Nanocomposites for Organic Dyes Removal	Nanomaterials	12	16			5.719	10.3390/nano12162809

357	Karthikeyan M., Jayabala P., Ramachandran S., Dhanabalan S.S., Sivanesan T., Ponnusamy M.	Tunable Optimal Dual Band Metamaterial Absorber for High Sensitivity THz Refractive Index Sensing	Nanomaterials	12	15			5.719	10.3390/nano121526 93
358	Joshi V., Shrikhande S., Harish R., Giridharan A., Mohan R.	Computational Fluid Dynamics Simulation on Thermal Performance of Al/Al <sub>2</sub> O <sub>3</sub> /SWCNT Nanocoolants for Turning Operations	Nanomaterials	12	19			5.719	10.3390/nano121935 08
359	Balaji M.P., Govindasamy R., Alharbi N.S., Kadaikunnan S., Thiruvengadam M., Baskar V., Devi Rajeswari V.	Biosynthesis of ZnONP Using Chamaecostus cuspidatus and Their Evolution of Anticancer Property in MCF- 7 and A549 Cell Lines	Nanomaterials	12	19			5.719	10.3390/nano121933 84

360	Gecil Evangeline T., Annamalai A.R., Magdaline T.B.	Modern Synthesis and Sintering Techniques of Calcium Copper Titanium Oxide (CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ) Ceramics and Its Current Trend in Prospective Applications: A Mini-Review	Nanomaterials	12	18			5.719	10.3390/nano121831 81
361	Rajesh J.V., Abimannan G.	Analysis on the Performance of Micro and Nano Molybdenum Di- Sulphide Powder Suspended Dielectric in the Electrical Discharge Machining Process—A Comparison	Nanomaterials	12	20			5.719	10.3390/nano122035 87

362	Venkatachalam G., Gopu A., Velu P.S., Venkataraman N., Salunke D.R., Mukkamala R.R.	Study on Tensile Properties of Fly Ash, Sugarcane Fiber and Carbon Nanotube-Reinforced Polymer Matrix Composite Using Objective Evolutionary Algorithm	Nanomaterials	12	23			5.719	10.3390/nano12234112
363	Karthik R., Menaka R., Siddharth M.V.	Classification of breast cancer from histopathology images using an ensemble of deep multiscale networks	Biocybernetics and Biomedical Engineering	42	3	963	976	5.687	10.1016/j.bbe.2022.07.006
364	Muthuvel K., Gandhi T.	C-F Bond Activation and Functionalizations Enabled by Metal-free NHCs and Their Metal Complexes	ChemCatChem					5.686	10.1002/cctc.202101579



365	Nagarajan B.M., Manoharan M.	Influence of cooling conditions on tensile lap shear strength and microstructure of friction stir welded aluminum alloy 5052-H32 and polycarbonate light weight hybrid joint	Journal of Manufacturing Processes	82		390	402	5.684	10.1016/j.jmapro.2022.08.008
366	Natarajan S.P., Vaudreuil S., Chibane H., Morandea A., Xavior M.A., Cormier J., Leroy R., Duchosal A.	Influence of heat treatment on the tool life while machining SLM Inconel 718 with reference to C&W Inconel 718	Journal of Manufacturing Processes	83		192	202	5.684	10.1016/j.jmapro.2022.08.054
367	Karimi J., Kollo L., Rahmani R., Ma P., Jia Y.D., Prashanth K.G.	Selective laser melting of in-situ CoCrFeMnNi high entropy alloy: Effect of remelting	Journal of Manufacturing Processes	84		55	63	5.684	10.1016/j.jmapro.2022.09.056
368	R. H., Peri K.K.	Impact of nanoparticle shapes on non-darcy porous medium	International Communications in Heat and Mass Transfer	130				5.683	10.1016/j.icheatmasstransfer.2021.105777

369	Hemalatha R., Kameswaran P.K., Murthy P.V.S.N.	Effect of nanoparticle shape on the mixed convective transport over a vertical cylinder in a non-Darcy porous medium	International Communicatio ns in Heat and Mass Transfer	133				5.683	10.1016/j.icheatmasst ransfer.2022.105962
370	Ganesh N.S., Maheswari G.U., Srinivas T., Reddy B.V.	Exergoeconomic Analysis of a Novel Zeotropic Mixture Power System	International Journal of Precision Engineering and Manufacturing Green Technology	9	1			5.671	10.1007/s40684-020- 00273-9
371	Priya A.V., Shaik S.	Crystal mud transparent slime as a glazing material for net- zero energy buildings: Enhanced energy savings, diurnal lighting, and CO2 mitigation	Energy for Sustainable Development	71		151	166	5.655	10.1016/j.esd.2022.09 .018

372	Debroy R., Ramaiah S.	MurC ligase of multi-drug resistant Salmonella Typhi can be inhibited by novel Curcumin derivative: Evidence from molecular docking and dynamics simulations	International Journal of Biochemistry and Cell Biology	151				5.652	10.1016/j.biocel.2022.106279
373	Alphonse M., Thiagarajan K., Fulzele D.P., Pillay M., Satdive R.K., Kamble S.N., Raina R., Ramamoorthy S., Chandrasekaran R.	Effect of gamma radiation on gentiopicroside production in Gentiana kurroo Royle in vitro cultures	Industrial Crops and Products	176				5.645	10.1016/j.indcrop.2021.114392
374	Varghese R., Basu S., Neeravi A., Pragasam A., Aravind V., Gupta R., Miraclin A., Ramaiah S., Anbarasu A., Veeraraghavan B.	Emergence of Meropenem Resistance Among Cefotaxime Non-susceptible Streptococcus pneumoniae: Evidence and Challenges	Frontiers in Microbiology	12				5.640	10.3389/fmicb.2021.810414

375	Rajesh K., Dubey A., suhail A., Rangaswamy M.K., Lahiri I., Lahiri D.	Tailoring the tribological behavior of composite structures with optimized ratio of graphene and boron nitride nanosheets	Tribology International	175				5.620	10.1016/j.triboint.2022.107835
376	Yuan X., Şopu D., Spieckermann F., Song K.K., Ketov S.V., Prashanth K.G., Eckert J.	Maximizing the degree of rejuvenation in metallic glasses	Scripta Materialia	212				5.611	10.1016/j.scriptamat.2022.114575
377	Narendra M., Valarmathi M.L., Anbarasi L.J., Sarobin M.V.R., Al-Turjman F.	High embedding capacity in 3D model using intelligent Fuzzy based clustering	Neural Computing and Applications					5.606	10.1007/s00521-022-07404-0
378	Yadav S., Satija J.	Shape dependent sensing potential of gold nanoparticles in etching based multicolorimetric plasmonic-ELISA	Nanoscale Advances					5.598	10.1039/d2na00266c

379	Bhuva V.J., Jani J.P., Patel A., Tiwari N.	Effect of bubble coalescence on two-phase flow boiling heat transfer in raccoon microchannel - A numerical study	International Journal of Heat and Mass Transfer	182				5.584	10.1016/j.ijheatmasstransfer.2021.121943
380	Ganesan R., Prabhakaran V.-S., Valsala Gopalakrishnan A.	Metabolomic Signatures in Doxorubicin-Induced Metabolites Characterization, Metabolic Inhibition, and Signaling Pathway Mechanisms in Colon Cancer HCT116 Cells	Metabolites	12	11			5.581	10.3390/metabo12111047
381	Karuppusamy I., Seenuvasaperumal P., Surendiran M., Shanmugam S., Chinnathambi A., Alahmadi T.A., Brindhadevi K., Lan Chi N.T., Pugazhendhi A.	Fabrication of near superhydrophobic Pt-TiO <sub>2</sub> hybrid nanoflake composite as food sensor in food processing industry	Food and Chemical Toxicology	169				5.572	10.1016/j.fct.2022.113411

382	Atmaram U.A., Roopan S.M.	Biological activity of oxadiazole and thiadiazole derivatives	Applied Microbiology and Biotechnology	106	09-Oct	3489	3505	5.56	10.1007/s00253-022- 11969-0
383	Nath S., Ghosh N., Ansari T.A., Mundhra A., Patil M.T., Mane A., Gopalakrishnan A.V., Rahman M.H., Kumar M., Radha, Ghorai M., Paul S., Dey A.	Genetic diversity assessment and biotechnological aspects in <i>Aristolochia</i> spp.	Applied Microbiology and Biotechnology					5.560	10.1007/s00253-022- 12152-1
384	Mandal S., Das T., Nandy S., Ghorai M., Saha S.C., Gopalakrishnan A.V., Kumar M., Radha, Ghosh A., Mukerjee N., Shekhawat M.S., Pandey D.K., Dey A.	Biotechnological and endophytic- mediated production of centellosides in <i>Centella asiatica</i>	Applied Microbiology and Biotechnology					5.56	10.1007/s00253-022- 12316-z
385	Firoz A., Talwar P.	COVID-19 and retinal degenerative diseases: Promising link "Kaempferol"	Current Opinion in Pharmacology	64				5.547	10.1016/j.coph.2022. 102231

386	Giri S., Mukherjee A.	Eco-corona reduces the phytotoxic effects of polystyrene nanoplastics in <i>Allium cepa</i> : Emphasizing the role of ROS	Environmental and Experimental Botany	198				5.545	10.1016/j.envexpbot.2022.104850
387	Shetgaonkar S.E., Raju A., China H., Takenaga N., Dohi T., Singh F.V.	Non-Palladium-Catalyzed Oxidative Coupling Reactions Using Hypervalent Iodine Reagents	Frontiers in Chemistry	10				5.545	10.3389/fchem.2022.909250
388	Abrahamse H., Hamblin M.R., George S.	Structure and functions of Aggregation-Induced Emission-Photosensitizers in anticancer and antimicrobial theranostics	Frontiers in Chemistry	10				5.545	10.3389/fchem.2022.984268

389	Dasmahapatra U., Kumar C.K., Das S., Subramanian P.T., Murali P., Isaac A.E., Ramanathan K., Balamurali M.M., Chanda K.	In-silico molecular modelling, MM/GBSA binding free energy and molecular dynamics simulation study of novel pyrido fused imidazo[4,5- c]quinolines as potential anti- tumor agents	Frontiers in Chemistry	10				5.545	10.3389/fchem.2022. 991369
390	Ravoor J., S R.E.	A study on retention of MWCNT in robocasted MWCNT-HAP scaffold structures using vacuum sintering technique and their characteristics	Ceramics International					5.532	10.1016/j.ceramint.20 22.06.204



391	Manohar A., Vijayakanth V., Prabhakar Vattikuti S.V., Kim K.H.	Synthesis and characterization of Mg <sup>2+</sup> substituted MnFe <sub>2</sub> O <sub>4</sub> nanoparticles for supercapacitor applications	Ceramics International					5.532	10.1016/j.ceramint.20 22.07.018
392	Sivakumar P., Kulandaivel L., Park J., Raj C.J., Ramesh R., Jung H.	Well-assembled nanosheets of nickel-cobalt double hydroxide flower as a reversible faradic battery-type electrode material for high- performance hybrid supercapacitor	Ceramics International					5.532	10.1016/j.ceramint.20 22.09.063
393	Manohar A., Vijayakanth V., Vattikuti S.V.P., Kim K.H.	Structural and electrochemical properties of mixed calcium- zinc spinel ferrites nanoparticles	Ceramics International					5.532	10.1016/j.ceramint.20 22.09.322

394	Amalathi P., Judith Vijaya J., John Kennedy L., Mustafa A., Bououdina M., Shinde K.P., Kim D.H.	Configuring Nd <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> perovskite nanocomposites with magnetocaloric performance	Ceramics International					5.532	10.1016/j.ceramint.2022.08.254
395	John R.A.B., Shruthi J., Ramana Reddy M.V., Ruban Kumar A.	Hole concentration modulated gas sensor for selective detection of 2-methoxy ethanol	Ceramics International					5.532	10.1016/j.ceramint.2022.11.071
396	Menon P.S., Kunjumon J., Bansal M., Nair S.S., Beryl C., Vinitha G., Maity T., Abraham P.M., Sajan D., Philip R.	Role of surface defects in the third order nonlinear optical properties of pristine NiO and Cr doped NiO nanostructures	Ceramics International					5.532	10.1016/j.ceramint.2022.10.301

397	Ravoor J., Selvam R.E.	Microwave sintering and characterization of robocasted HA, CNT-HA scaffold structures for bone regeneration applications	Ceramics International					5.532	10.1016/j.ceramint.2022.12.121
398	Chang J.-L., Liao C.-W., Arthisree D., Kumar A.S., Zen J.-M.	A Size-Controlled Graphene Oxide Materials Obtained by One-Step Electrochemical Exfoliation of Carbon Fiber Cloth for Applications to In Situ Gold Nanoparticle Formation and Electrochemical Sensors—A Preliminary Study	Biosensors	12	6			5.519	10.3390/bios12060360

399	Menon P.S., Kunjumon J., Jose A.K., P.A A., Bansal M., Vinitha G., Maity T., Abraham P.M., Sajan D., George S.D.	Structural, Third Order Nonlinear and magnetic properties of pristine and Ni- doped CuO nanoparticles: Diluted magnetic semiconductors	Colloids and Surfaces A: Physicochemic al and Engineering Aspects	650				5.518	10.1016/j.colsurfa.20 22.129582
400	Venkatachalam V., Ganapathy S., Priyadarshini N., Perumal I.	Indium doped CdTe colloidal quantum dots stabilised in aqueous medium for white light emission	Colloids and Surfaces A: Physicochemic al and Engineering Aspects	653				5.518	10.1016/j.colsurfa.20 22.129891
401	Boobalan P., Ramu S.P., Pham Q.-V., Dev K., Pandya S., Maddikunta P.K.R., Gadekallu T.R., Huynh-The T.	Fusion of Federated Learning and Industrial Internet of Things: A survey	Computer Networks	212				5.493	10.1016/j.comnet.202 2.109048
402	Rajak S., Selvaprabhu P., Chinnadurai S., Hosen A.S.M.S., Saad A., Tolba A.	Energy efficient MIMO–NOMA aided IoT network in B5G communications	Computer Networks	216				5.493	10.1016/j.comnet.202 2.109250

403	Devarajan Y., Munuswamy D.B., Subbiah G., Vellaiyan S., Nagappan B., Varuvel E.G., Thangaraja J.	Inedible oil feedstocks for biodiesel production: A review of production technologies and physicochemical properties	Sustainable Chemistry and Pharmacy	30				5.464	10.1016/j.scp.2022.10 0840
404	Anandhakrishnan T., Jaisakthi S.M.	Deep Convolutional Neural Networks for image based tomato leaf disease detection	Sustainable Chemistry and Pharmacy	30				5.464	10.1016/j.scp.2022.10 0793
405	Madhesan T., Mitra S., Deivasigamani P., Nagarajan S., Rao C.V.S.B., Mohan A.M.	Probe anchored porous organic polymer monolithic architectures as optical sensor for ultra-trace analysis of Hg <sup>2+</sup> in water samples	Microporous and Mesoporous Materials	333				5.455	10.1016/j.micromeso. 2022.111724

406	Verma S., Garg N., Arumugam T.	Being ethically resilient during COVID-19: a cross-sectional study of Indian supply chain companies	International Journal of Logistics Management					5.446	10.1108/IJLM-05-2022-0203
407	Sure J., Sri Maha Vishnu D., Schwandt C.	Single-step electrochemical synthesis of nano-crystalline CoCrFeNi high-entropy alloy powder	Electrochemistry Communications	143				5.443	10.1016/j.elecom.2022.107392
408	Hashan Md Mashud A., Roy D., Daryanto Y., Mishra U., Tseng M.-L.	Sustainable production lot sizing problem: A sensitivity analysis on controlling carbon emissions through green investment	Computers and Industrial Engineering	169				5.431	10.1016/j.cie.2022.108143
409	Chowdhury A., Raut S., Pal A.	Internet of Things resource monitoring through proactive fault prediction	Computers and Industrial Engineering	169				5.431	10.1016/j.cie.2022.108265

410	Chidambaram R.	Author's response for Letter to Editor sent by Paul Smith ( Smith (2021)) regarding the article “Hybrid hydrogel dispersed low fat and heat resistant chocolate” by F.P. Francis and R. Chidambaram [Journal of Food Engineering 256 (2019) 9–17]	Journal of Food Engineering	314				5.354	10.1016/j.jfoodeng.2021.110783
411	Mukram T.A., Daniel J.	A review of novel methods and current developments of phase change materials in the building walls for cooling applications	Sustainable Energy Technologies and Assessments	49				5.353	10.1016/j.seta.2021.101709

412	Nuvvula R.S.S., Devaraj E., Madurai Elavarasan R., Iman Taheri S., Irfan M., Teegala K.S.	Multi-objective mutation- enabled adaptive local attractor quantum behaved particle swarm optimisation based optimal sizing of hybrid renewable energy system for smart cities in India	Sustainable Energy Technologies and Assessments	49				5.353	10.1016/j.seta.2021.1 01689
413	Parvathi Sangeetha B., Kumar N., Ambalgi A.P., Abdul Haleem S.L., Thilagam K., Vijayakumar P.	IOT based smart irrigation management system for environmental sustainability in India	Sustainable Energy Technologies and Assessments	52				5.353	10.1016/j.seta.2022.1 01973
414	Chaurasiya P.K., Rajak U., Singh S.K., Nath Verma T., Sharma V.K., Kumar A., Shende V.	A review of techniques for increasing the productivity of passive solar stills	Sustainable Energy Technologies and Assessments	52				5.353	10.1016/j.seta.2022.1 02033



415	Gopinath G.R., Muthuvel S., Muthukannan M., Sudhakarapandian R., Praveen Kumar B., Santhan Kumar C., Thanikanti S.B.	Design, development, and performance testing of thermal energy storage based solar dryer system for seeded grapes	Sustainable Energy Technologies and Assessments	51					5.353	10.1016/j.seta.2021.101923
416	Laarabi B., Sankarkumar S., Rajasekar N., El Baqqal Y., Barhdadi A.	Modeling investigation of soiling effect on solar photovoltaic systems: New findings	Sustainable Energy Technologies and Assessments	52					5.353	10.1016/j.seta.2022.102126
417	Pandiyan P., Sitharthan R., Saravanan S., Prabaharan N., Ramji Tiwari M., Chinnadurai T., Yuvaraj T., Devabalaji K.R.	A comprehensive review of the prospects for rural electrification using stand-alone and hybrid energy technologies	Sustainable Energy Technologies and Assessments	52					5.353	10.1016/j.seta.2022.102155

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419	Sharma J., Sundarabalan C.K., Sitharthan R., Balasundar C., Srinath N.S.	Power quality enhancement in microgrid using adaptive affine projection controlled medium voltage distribution static compensator	Sustainable Energy Technologies and Assessments	52				5.353	10.1016/j.seta.2022.1 02185
420	Manoj Kumar N., Chakraborty S., Kumar Yadav S., Singh J., Chopra S.S.	Advancing simulation tools specific to floating solar photovoltaic systems – Comparative analysis of field- measured and simulated energy performance	Sustainable Energy Technologies and Assessments	52				5.353	10.1016/j.seta.2022.1 02168

421	Mishra S., Saini G., Saha S., Chauhan A., Kumar A., Maity S.	A survey on multi-criterion decision parameters, integration layout, storage technologies, sizing methodologies and control strategies for integrated renewable energy system	Sustainable Energy Technologies and Assessments	52				5.353	10.1016/j.seta.2022.102246
422	Maria Manuel Vianny D., John A., Kumar Mohan S., Sarlan A., Adimoolam, Ahmadian A.	Water optimization technique for precision irrigation system using IoT and machine learning	Sustainable Energy Technologies and Assessments	52				5.353	10.1016/j.seta.2022.102307
423	Raju B., Kumar R., Senthilkumar M., Sulaiman R., Kama N., Dhanalakshmi S.	Humidity sensor based on fibre bragg grating for predicting microbial induced corrosion	Sustainable Energy Technologies and Assessments	52				5.353	10.1016/j.seta.2022.102306

424	Navnath N.N., Chandrasekaran K., Stateczny A., Sundaram V.M., Panneer P.	Spatiotemporal Assessment of Satellite Image Time Series for Land Cover Classification Using Deep Learning Techniques: A Case Study of Reunion Island, France	Remote Sensing	14	20			5.349	10.3390/rs14205232
425	Varghese R., George Priya Doss C., Kumar R.S., Almansour A.I., Arumugam N., Efferth T., Ramamoorthy S.	Cardioprotective effects of phytopigments via multiple signaling pathways	Phytomedicine	95				5.340	10.1016/j.phymed.20 21.153859
426	Tripathi P.M., Kumar A., Kumar M., Komaragiri R.	Multi-level Classification and Detection of Cardiac Arrhythmias with High-Resolution Superlet Transform and Deep Convolution Neural Network	IEEE Transactions on Instrumentatio n and Measurement			1	1	5.332	10.1109/TIM.2022.31 86355

427	Pankaj, Kumar A., Kumar M., Komaragiri R.	STSR: Spectro- Temporal Super- Resolution Analysis of a Reference Signal Less Photoplethysmo gram for Heart Rate Estimation During Physical Activity	IEEE Transactions on Instrumentatio n and Measurement	71				5.332	10.1109/TIM.2022.31 92831
428	Subburaayasaran A.S., Sampath Kumar K., Vasanth Kumar D., Ramachandran T., Prakash C., Vijayakumar H.L.	Comparative Studies on Thermal Comfort Properties of Eri Silk, Wool/Eri Silk, Cotton, and Micro-denier Acrylic Double- layered Knitted Fabrics	Journal of Natural Fibers					5.323	10.1080/15440478.20 22.2025982
429	Boominathan S., Bhuvaneshwari M., Sangeetha K., Pachiyappan K.M., Devaki E.	Influence of Fiber Blending on Thermal and Acoustic Properties Nonwoven Material	Journal of Natural Fibers					5.323	10.1080/15440478.20 21.2021123

430	Ganesh Kumar R., Rajan T.P.	A Review on Electrospinning of Natural Bio Herbs Blended with Polyvinyl Alcohol Nanofibres for Biomedical Applications	Journal of Natural Fibers					5.323	10.1080/15440478.20 22.2048941
431	Aseer J.R., K S., Bahubalendruni M.V.A.R., Karakoti A., S R.E., Nb K.B.	Cellulosic Microfiber Extraction from Ecofriendly Bahunia Racemosa and Its Characterization	Journal of Natural Fibers					5.323	10.1080/15440478.20 22.2064400
432	Patil S., Mallikarjuna Reddy D., Naveen J., Swamy S.S., Vignesh P., Venkatachalam G.	Low-Velocity Impact and Compression after Impact Properties of Hemp and Jute Fiber Reinforced Epoxy Composites	Journal of Natural Fibers					5.323	10.1080/15440478.20 22.2057383

433	Lakshmanan V.K., Arunachalam S.K., Sivalingam I., Dharmaraj V.K., Gopalan V., Arora P.	Investigations on Mechanical and Morphological Characteristics of Mudar Fiber Reinforced Polymer Composites	Journal of Natural Fibers					5.323	10.1080/15440478.20 22.2068105
434	Rajendran B., P K D.K., S D., Venkateshwaran N.	Adaptation of Multi Walled Carbon Nanotubes on Viscoelastic and Damping Behavior of Flax Fiber Composite	Journal of Natural Fibers					5.323	10.1080/15440478.20 22.2087821
435	Mylsamy G., Krishnasamy P.	A Review on Natural Plant Fiber Epoxy and Polyester Composites–Coat ing and Performances	Journal of Natural Fibers					5.323	10.1080/15440478.20 22.2075517

436	Arumugam C., Shaik S., Shaik A.H., Kontoleon K.J., Mazzeo D., Pirouz B.	Polymer and non-polymer admixtures for concrete roofs: Thermal and mechanical properties, energy saving and carbon emission mitigation prospective	Journal of Building Engineering	45				5.318	10.1016/j.jobe.2021.103495
437	Ravichandran H., Irusan B., Balaraman S., Govindasamy M., Krishnamoorthy S., Elayaperumal M.	Microwave assisted synthesis and characterization of Fe <sup>3+</sup> -O-Fe <sup>3+</sup> sublattice magnetic moment influencing ferromagnetism exhibited erbium orthoferrite sublattice (ErFeO <sub>3</sub> ) perovskite nanopowders	Journal of Alloys and Compounds	890				5.316	10.1016/j.jallcom.2021.161825



438	Karimi J., Antonov M., Kollo L., Prashanth K.G.	Role of laser remelting and heat treatment in mechanical and tribological properties of selective laser melted Ti6Al4V alloy	Journal of Alloys and Compounds	897				5.316	10.1016/j.jallcom.2021.163207
439	Kavita S., Alagusoundarya M., Ramakrishna V.V., Suresh V., Bhatt P., Srimathi P., Archana R., Kar D., Thomas T., Gopalan R.	On the table-like magnetocaloric effect, microstructure and mechanical properties of LaxFe11.6 Si1.4 system	Journal of Alloys and Compounds	895				5.316	10.1016/j.jallcom.2021.162597
440	Manohar A., Vijayakanth V., Vattikuti S.V.P., Manivasagan P., Jang E.-S., Kim K.H.	Electrochemical, oxygen evolution reaction and photoelectrochemical water splitting activity of Ca-doped MgFe2O4 nanoparticles	Journal of Alloys and Compounds	907				5.316	10.1016/j.jallcom.2022.164566

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442	Zhang C., Wang P., Liu C.Y., Liu Z.Y., Wu M.W., Gao X.H., Li M.H., Yang C., Prashanth K.G., Chen Z.W.	A novel crack-free Ti-modified Mo alloy designed for laser powder bed fusion	Journal of Alloys and Compounds	910				5.316	10.1016/j.jallcom.2022.164802
443	Radhakrishnan J., Kareem A., Senthilkumar S., Biswas K.	Facile synthesis of S-vacancy induced electrochemical HER activity in multilayered Sn doped MoS2	Journal of Alloys and Compounds	917				5.316	10.1016/j.jallcom.2022.165444
444	Jha T., Khan S., Mitra M., Patra A.	Zooming in on eV-MeV scale sterile neutrinos in light of neutrinoless double beta decay	Physical Review D	105	3			5.296	10.1103/PhysRevD.105.035001

445	Thirupataiah B., Bhuktar H., Mounika G., Reddy G.S., Kumar J.S., Shukla S., Hossain K.A., Medishetti R., Samarpita S., Rasool M., Jagadish P.C., Shenoy G.G., Parsa K.V.L., Pal M.	Fe(III)-catalyzed regioselective and faster synthesis of isocoumarins with 3-oxoalkyl moiety at C-4: Identification of new inhibitors of PDE4	Bioorganic Chemistry	121				5.275	10.1016/j.bioorg.2022 .105667
446	Gopal G., Natarajan C., Mukherjee A.	Synergistic removal of tetracycline and copper (II) by in- situ B-Fe/Ni nanocomposite —A novel and an environmentally sustainable green nanomaterial	Environmental Technology and Innovation	25				5.263	10.1016/j.eti.2021.10 2187
447	Stalin K., Ravi L., Raghavan V.	Extraction, purification and structural elucidation of environmentally benign antifouling metabolite from Streptomyces thermolineatus VITKV6A	Environmental Technology and Innovation	25				5.263	10.1016/j.eti.2021.10 2096

448	Rajivgandhi G., Ramachandran G., Chelliah C.K., Maruthupandy M., Quero F., S V., AL- Mekhlafi F.A., Wadaan M.A., Ranjitha J., Li W.-J.	Green microalgal strain Chlorella vulgaris isolated from industrial wastewater with remediation capacity	Environmental Technology and Innovation	28				5.263	10.1016/j.eti.2022.10 2597
449	Rubio-Medrano C.E., Soundrapandian P.K.D., Hill M., Claramunt L., Baek J., Geetha S., Ahn G.- J.	DyPolDroid: Protecting Against Permission- Abuse Attacks in Android	Information Systems Frontiers					5.261	10.1007/s10796-022- 10328-8
450	Kumar Roy T., Sreedharan R., Ghosh P., Gandhi T., Maiti D.	Ene-Reductase: A Multifaceted Biocatalyst in Organic Synthesis	Chemistry - A European Journal					5.236	10.1002/chem.20210 3949
451	Wilson Alphonse C.R., Rajesh Kannan R., Nagarajan N.	PITRM1 interaction studies with amyloidogenic nonapeptide mutants of familial Alzheimer's disease	Journal of Biomolecular Structure and Dynamics					5.235	10.1080/07391102.20 22.2092554

452	Ibezim A., Onuku R., Ottih C., Ezeonu I., Onoabedje E., Ramanathan K., Nwodo N.	New sulphonamide-peptide hybrid molecules as potential PBP 2a ligands and methicillin resistant Staphylococcus aureus actives	Journal of Biomolecular Structure and Dynamics					5.235	10.1080/07391102.2022.2111359
453	Shri Preethi M., Premkumar K., Asha Devi S.	Molecular docking study on vitamin D supplements to understand their interaction with VDR-RXR $\alpha$ heterodimer and VDRE of TAGAP gene	Journal of Biomolecular Structure and Dynamics					5.235	10.1080/07391102.2022.2114939
454	Lalithamaheswari B., Anu Radha C.	Structural and binding studies of 2'- and 3-fucosyllactose and its complexes with norovirus capsid protein by molecular dynamics simulations	Journal of Biomolecular Structure and Dynamics					5.235	10.1080/07391102.2022.2153923

455	Chen H., Lu T., Wang Y., Liu Y., Shi T., Prashanth K.G., Kosiba K.	Laser additive manufacturing of nano-TiC particles reinforced CoCrFeMnNi high entropy alloy matrix composites with high strength and ductility	Materials Science and Engineering A	833				5.234	10.1016/j.msea.2021.142512
456	D E.D., M S.	Extraction of Fetal ECG From Abdominal and Thorax ECG Using a Non-Causal Adaptive Filter Architecture	IEEE Transactions on Biomedical Circuits and Systems			1	9	5.234	10.1109/TBCAS.2022.3204993
457	Chakraborty S., Devi Rajeswari V.	Biomedical aspects of beta-glucan on glucose metabolism and its role on primary gene PIK3R1	Journal of Functional Foods	99				5.223	10.1016/j.jff.2022.105296

458	Rizwan M., Chandan M.R.	Mechanistic insights into the ageing of EPDM micro/hybrid composites for high voltage insulation application	Polymer Degradation and Stability	204				5.204	10.1016/j.polymdegradstab.2022.110114
459	Kuppusamy P.P., Bhatia A., Verma A., Shah N.R., Pratyush P., Shanmugarajan V., Kim S.C., Poongavanam G.K., Duraisamy S.	Accumulation of biomedical waste during the COVID-19 pandemic: concerns and strategies for effective treatment	Environmental Science and Pollution Research					5.19	10.1007/s11356-022-21086-0
460	Das P., Velayudhan Parvathy C.	A critical review on solar chimney power plant technology: influence of environment and geometrical parameters, barriers for commercialization, opportunities, and carbon emission mitigation	Environmental Science and Pollution Research					5.19	10.1007/s11356-022-22623-7

461	Kuttykattil A., Raju S., Vanka K.S., Bhagwat G., Carbery M., Vincent S.G.T., Raja S., Palanisami T.	Consuming microplastics? Investigation of commercial salts as a source of microplastics (MPs) in diet	Environmental Science and Pollution Research					5.19	10.1007/s11356-022-22101-0
462	Laarabi B., Rajasekar N., Gopi N.P., Barhdadi A.	Characterization of dust particles in South India and investigation on soiling image analysis for photovoltaic application	Environmental Science and Pollution Research					5.190	10.1007/s11356-022-22630-8
463	Panchal H., Sohani A., Van Nguyen N., Shoeibi S., Khiadani M., Huy P.Q., Hoseinzadeh S., Kabeel A.E., Shaik S., Cuce E.	Performance evaluation of using evacuated tubes solar collector, perforated fins, and pebbles in a solar still – experimental study and CO2 mitigation analysis	Environmental Science and Pollution Research					5.190	10.1007/s11356-022-22809-z



464	Mathew A.T., Saravanakumar M.P.	Removal of bisphenol A and methylene blue through persulfate activation by calcinated $\alpha$ -MnO <sub>2</sub> nanorods: effect of ultrasonic assistance and toxicity assessment	Environmental Science and Pollution Research					5.19	10.1007/s11356-022-23146-x
465	Sharma A., Gunreddy N., Mulamalla A.R., Duraisamy S., Sivan S., Poongavanam G.K., Kumar B.	Conductive and convective heat transfer augmentation in flat plate solar collector from energy, economic and environmental perspectives — a comprehensive review	Environmental Science and Pollution Research	29	58	87019	87067	5.190	10.1007/s11356-022-23694-2

466	Jacob A., Ashok B., Lawrence J., Soosairaj A.S., Anandan J., Elango M.	Exploring the potential of third-generation microalgae bio-alcohol and biodiesel in arresting particulate smoke emissions and greenhouse gases using CART	Environmental Science and Pollution Research					5.190	10.1007/s11356-022-24110-5
467	Anbu M., Balakichenin R., Muthaiyan P., Sundaramoorthy S., Amesho K.T.T., Subramani V.	Experimental investigation on the performance characteristics and emissions of a CI engine fueled with enhanced microwave-assisted Karanja seed bio-oil	Environmental Science and Pollution Research					5.190	10.1007/s11356-022-24283-z
468	Burye N.N., Sathyamurthy R., Rajagopal D.	Computational fluid dynamics-based parametric study on the performance of solar air heater channel	Environmental Science and Pollution Research					5.190	10.1007/s11356-022-23708-z

469	Pandey S.P., Upadhyay R., Prakash R., Kumar S.	Performance and emission analysis of blends of bio-oil obtained by catalytic pyrolysis of Argemone mexicana seeds with diesel in a CI engine	Environmental Science and Pollution Research					5.19	10.1007/s11356-022-24648-4
470	Bhuvaneshwaran K., Govindasamy P.K.	Technical assessment of novel organic Rankine cycle driven cascade refrigeration system using environmental friendly refrigerants: 4E and optimization approaches	Environmental Science and Pollution Research					5.19	10.1007/s11356-022-24608-y

471	Saha P., Sivaramakrishna A., Rao K.V.B.	Bioremediation of reactive orange 16 by industrial effluent-adapted bacterial consortium VITPBC6: process optimization using response surface methodology (RSM), enzyme kinetics, pathway elucidation, and detoxification	Environmental Science and Pollution Research					5.19	10.1007/s11356-022-24501-8
472	Azhaganathan G., Bragadeshwaran A.	Critical review on recent progress of ethanol fuelled flex-fuel engine characteristics	International Journal of Energy Research					5.164	10.1002/er.7610
473	Afzal A., Kumar R., Jilte R.D., Samee M., Shaik S., Abdul Razak R.K., Manokar A.M., Saleel C.A.	Numerical analysis and machine learning for battery thermal performance cooled with different fluids	International Journal of Energy Research					5.164	10.1002/er.7921

474	Eswaramoorthy N., Rajaram K.	Planar perovskite solar cells: Plasmonic nanoparticles-modified ZnO as an electron transport layer for enhancing the device performance and stability at ambient conditions	International Journal of Energy Research					5.164	10.1002/er.7876
475	Shukla M., Baksi B., Mohanty S.P., Mahanty B., Mansi A., Rene E.R., Behera S.K.	Remediation of chromium contaminated soil by soil washing using EDTA and N-acetyl-L-cysteine as the chelating agents	Progress in Organic Coatings	165				5.161	10.1016/j.porgcoat.2022.106704
476	Phataraphruk P., Rahman Q., Lakshminarayanan K., Fruchtman M.	Posture dependent factors influence movement variability when reaching to nearby virtual objects	Frontiers in Neuroscience	16				5.152	10.3389/fnins.2022.971382

477	Faka V., Grinieziaki M., Kiriakidis G., Grilla E., Mantzavinos D., Mao S., Shen S., Frontistis Z., Binas V.	Solar light induced photocatalytic degradation of sulfamethoxazole by ZnWO <sub>4</sub> /CNs nanocomposites	Journal of Photochemistry and Photobiology A: Chemistry	432				5.141	10.1016/j.jphotochem.2022.114108
478	JS S., Behera N.	Statistical analysis of fluidized dense phase conveying of fine particles	Powder Technology	404				5.134	10.1016/j.powtec.2022.117441
479	Naidu A., Lulu S S.	Mucosal and systemic immune responses to Vibrio cholerae infection and oral cholera vaccines (OCVs) in humans: a systematic review	Expert Review of Clinical Immunology	18	12	1307	1318	5.124	10.1080/1744666X.2022.2136650
480	Veerakumar S., Manian R.	Agarase, Amylase and Xylanase from Halomonas meridiana: A Study on Optimization of Coproduction for Biomass Saccharification	Fermentation	8	10			5.123	10.3390/fermentation8100479

481	Enbanathan S., Munusamy S., Jothi D., Manoj kumar S., Gopal A.P., Kulathu Iyer S.	A new fast- responding fluorimetric “turn-on” sensor based on benzothiazole- phenanthridine for the sensitive, selective, and reversible detection of Cu <sup>2+</sup> in real water samples and its use in bio- imaging	Dyes and Pigments	205					5.122	10.1016/j.dyepig.2022 .110514
482	Sachdeva I., Ramesh S., Chadha U., Punugoti H., Selvaraj S.K.	Computational AI models in VAT photopolymeriza- tion: a review, current trends, open issues, and future opportunities	Neural Computing and Applications						5.102	10.1007/s00521-022- 07694-4
483	Noella R.S.N., Priyadarshini J.	Diagnosis of Alzheimer’s, Parkinson’s disease and frontotemporal dementia using a generative adversarial deep convolutional neural network	Neural Computing and Applications						5.102	10.1007/s00521-022- 07750-z

484	Vyas A.H., Mehta M.A., Kotecha K., Pandya S., Alazab M., Gadekallu T.R.	Tear film breakup time-based dry eye disease detection using convolutional neural network	Neural Computing and Applications					5.102	10.1007/s00521-022-07652-0
485	Panchigar D., Kar K., Shukla S., Mathew R.M., Chadha U., Selvaraj S.K.	Machine learning-based CFD simulations: a review, models, open threats, and future tactics	Neural Computing and Applications					5.102	10.1007/s00521-022-07838-6
486	Das R., Bhasarkar J., Rastogi A., Saxena R., Bal D.K.	Artificial neural network-based pore size prediction of alginate gel scaffold for targeted drug delivery	Neural Computing and Applications					5.102	10.1007/s00521-022-07958-z
487	Manohar A., Vijayakanth V., Vattikuti S.V.P., Manivasagan P., Jang E.-S., Chintagumpala K., Kim K.H.	Ca-Doped MgFe <sub>2</sub> O <sub>4</sub> Nanoparticles for Magnetic Hyperthermia and Their Cytotoxicity in Normal and Cancer Cell Lines	ACS Applied Nano Materials	5	4	5847	5856	5.097	10.1021/acsanm.2c01062



488	Panchal N.K., Swarnalatha P., Prince S.E.	Trichopus zeylanicus ameliorates ibuprofen inebriated hepatotoxicity and enteropathy: an insight into its modulatory impact on pro/anti- inflammatory cytokines and apoptotic signaling pathways	Inflammophar macology					5.093	10.1007/s10787-022- 01052-5
489	Sarkar S., Agrawal S., Baker T., Maddikunta P.K.R., Gadekallu T.R.	Catalysis of neural activation functions: Adaptive feed- forward training for big data applications	Applied Intelligence					5.086	10.1007/s10489-021- 03082-y
490	Hu Z., Xu Y., Raj R.S.P., Cheng X., Sun L., Wu L.	Vehicle re- identification based on keypoint segmentation of original image	Applied Intelligence					5.086	10.1007/s10489-022- 03192-1

491	Sourirajan S., Perumandla S.	Do emotions, desires and habits influence mutual fund investing? A study using the model of goal- directed behavior	International Journal of Bank Marketing					5.083	10.1108/IJBM-12- 2021-0540
492	Shastri R.K., Mohanty C.P., Dash S., Gopal K.M.P., Annamalai A.R., Jen C.-P.	Reviewing Performance Measures of the Die-Sinking Electrical Discharge Machining Process: Challenges and Future Scopes	Nanomaterials	12	3			5.076	10.3390/nano120303 84
493	Chauhan P., Mundekkad D., Mukherjee A., Chaudhary S., Umar A., Baskoutas S.	Coconut Carbon Dots: Progressive Large-Scale Synthesis, Detailed Biological Activities and Smart Sensing Aptitudes towards Tyrosine	Nanomaterials	12	1			5.076	10.3390/nano120101 62

494	JothiPrabha A., Bhargavi R., Deepa Rani B.V.	Prediction of dyslexia severity levels from fixation and saccadic eye movement using machine learning	Biomedical Signal Processing and Control	79				5.076	10.1016/j.bspc.2022.1 04094
495	Singh N., Gunjan V.K., Chaudhary G., Kaluri R., Victor N., Lakshmana K.	IoT enabled HELMET to safeguard the health of mine workers	Computer Communicatio ns	193		1	9	5.047	10.1016/j.comcom.20 22.06.032
496	Agrawal S., Sarkar S., Aouedi O., Yenduri G., Piamrat K., Alazab M., Bhattacharya S., Maddikunta P.K.R., Gadekallu T.R.	Federated Learning for intrusion detection system: Concepts, challenges and future directions	Computer Communicatio ns	195		346	361	5.047	10.1016/j.comcom.20 22.09.012
497	Solomons C.D., Shanmugasundaram V., Balasubramanian S.	Encoder- Controlled Functional Electrical Stimulator for Bilateral Wrist Activities—Desig n and Evaluation	Bioengineering	9	10			5.046	10.3390/bioengineeri ng9100501

498	Ashwath P., Xavior M.A., Batako A., Jeyapandiarajan P., Joel J.	Selective laser melting of Al-Si-10Mg alloy: microstructural studies and mechanical properties assessment	Journal of Materials Research and Technology	17		2249	2258	5.039	10.1016/j.jmrt.2022.01.135
499	Kumaraguru S., Nivetha R., Gopinath K., Sundaravadivel E., Almutairi B.O., Almutairi M.H., Mahboob S., Kavipriya M.R., Nicoletti M., Govindarajan M.	Synthesis of Cu-MOF/CeO <sub>2</sub> nanocomposite and their evaluation of hydrogen production and cytotoxic activity	Journal of Materials Research and Technology	18		1732	1745	5.039	10.1016/j.jmrt.2022.03.028
500	Ribu D.C., Rajesh R., Thirumalaikumarasamy D., Kaladgi A.R., Saleel C.A., Nisar K.S., Shaik S., Afzal A.	Experimental investigation of erosion corrosion performance and slurry erosion mechanism of HVOF sprayed WC-10Co coatings using design of experiment approach	Journal of Materials Research and Technology	18		293	314	5.039	10.1016/j.jmrt.2022.01.134

501	Haridevamuthu B., Manjunathan T., Guru A., Kumar R.S., Rajagopal R., Kuppusamy P., Juliet A., Gopinath P., Arockiaraj J.	Hydroxyl containing benzo[b]thiophe ne analogs mitigates the acrylamide induced oxidative stress in the zebrafish larvae by stabilizing the glutathione redox cycle	Life Sciences	298				5.037	10.1016/j.lfs.2022.120 507
502	Srivastava S., Rasool M.	Underpinning IL- 6 biology and emphasizing selective JAK blockade as the potential alternate therapeutic intervention for rheumatoid arthritis	Life Sciences	298				5.037	10.1016/j.lfs.2022.120 516
503	Prathiba S.B., Raja G., Anbalagan S., S A.K., Gurumoorthy S., Dev K.	A Hybrid Deep Sensor Anomaly Detection for Autonomous Vehicles in 6G- V2X Environment	IEEE Transactions on Network Science and Engineering			1	10	5.033	10.1109/TNSE.2022.3 188304

504	Roy P.K., Singh A., Desai J.V., Singh S.K.	Healthcare Data Security Using Lightweight Protocol for Cyber Physical System	IEEE Transactions on Network Science and Engineering			1	10	5.033	10.1109/TNSE.2022.3186437
505	Rehman M.U., Shafique A., Ghadi Y.Y., Boulila W., Jan S.U., Gadekallu T.R., Driss M., Ahmad J.	A Novel Chaos-Based Privacy-Preserving Deep Learning Model for Cancer Diagnosis	IEEE Transactions on Network Science and Engineering			1	17	5.033	10.1109/TNSE.2022.3199235
506	Prathiba S.B., Raja G., Anbalagan S., Dev K., Gurumoorthy S., Sankaran A.P.	Federated Learning Empowered Computation Offloading and Resource Management in 6G-V2X	IEEE Transactions on Network Science and Engineering	9	5	3234	3243	5.033	10.1109/TNSE.2021.3103124
507	Vimal K.E.K., Churi K., Kandasamy J.	Analysing the drivers for adoption of Industry 4.0 technologies in a functional paper – cement – sugar circular sharing network	Sustainable Production and Consumption	31		459	477	5.032	10.1016/j.spc.2022.03.006

508	Dasgupta S.S.	Instability attenuation and bifurcation studies of a non-ideal rotor involving time-delayed feedback	Nonlinear Dynamics					5.022	10.1007/s11071-022-07367-w
509	Selvaraj S.K., Prasad S.K., Yasin S.Y., Subhash U.S., Verma P.S., Manikandan M., Dev S.J.	Additive manufacturing of dental material parts via laser melting deposition: A review, technical issues, and future research directions	Journal of Manufacturing Processes	76		67	78	5.010	10.1016/j.jmapro.2022.02.012
510	Singh C Q.J., Rajamurugan G.	Vibration and tribological behaviour of flax/wire mesh/hemp composite reinforced with WCFC particles	Journal of Manufacturing Processes	77		525	538	5.010	10.1016/j.jmapro.2022.03.036

511	Saranya C.R., Vijayaraghavan R., Sathya Narayana Sharma K.	Design of double sampling inspection plans for life tests under time censoring based on Pareto type IV distribution	Scientific Reports	12	1			4.996	10.1038/s41598-022- 11834-0
512	Rajalakshmi M., Kubera Sampath Kumar S., Vasanth Kumar D., Siva Jagadish Kumar M., Prakash C.	Effect of plasma sericin glutaraldehyde treatments on the low stress mechanical properties of micro denier polyester/cotton blended fabric	Scientific Reports	12	1			4.996	10.1038/s41598-022- 13661-9
513	Senthil R., Sumathi V., Tamilselvi A., Kavukcu S.B., Aruni A.W.	Functionalized electrospun nanofibers for high efficiency removal of particulate matter	Scientific Reports	12	1			4.996	10.1038/s41598-022- 12505-w
514	Haq M.A., Ahmed A., Khan I., Gyani J., Mohamed A., Attia E.-A., Mangan P., Pandi D.	Analysis of environmental factors using AI and ML methods	Scientific Reports	12	1			4.996	10.1038/s41598-022- 16665-7



515	Dutta N., Kaliannan P., Shanmugam P.	Application of machine learning for inter turn fault detection in pumping system	Scientific Reports	12	1			4.996	10.1038/s41598-022-16987-6
516	Padmaja K., Rushi Kumar B.	Higher order chemical reaction effects on Cu - H <sub>2</sub> O nanofluid flow over a vertical plate	Scientific Reports	12	1			4.996	10.1038/s41598-022-20155-1
517	Selvam A., Mayilswamy S., Whenish R., Naresh K., Shanmugam V., Das O.	Multi-objective optimization and prediction of surface roughness and printing time in FFF printed ABS polymer	Scientific Reports	12	1			4.996	10.1038/s41598-022-20782-8
518	K P., B R.K.	Higher order chemical reaction effects on [Formula: see text] nanofluid flow over a vertical plate	Scientific reports	12	1	17000		4.996	10.1038/s41598-022-20155-1

519	Shetty B., Fernandes R., Rodrigues A.P., Chengoden R., Bhattacharya S., Lakshmana K.	Skin lesion classification of dermoscopic images using machine learning and convolutional neural network	Scientific Reports	12	1			4.996	10.1038/s41598-022- 22644-9
520	Tiwari R.S., D L., Das T.K., Srinivasan K., Chang C.-Y.	Conceptualising a channel-based overlapping CNN tower architecture for COVID-19 identification from CT-scan images	Scientific Reports	12	1			4.996	10.1038/s41598-022- 21700-8
521	Kesarwani S., Misra S., Saha D., Della Rocca M.L., Roy I., Ganguly S., Mahajan A.	Simplified inelastic electron tunneling spectroscopy based on low- noise derivatives	Scientific Reports	12	1			4.996	10.1038/s41598-022- 21302-4

522	Gopal T.S., Alzahrani K.E., Assaifan A.K., Albrithen H., Alodhayb A., Muthuramamoorthy M., Pandiaraj S., Grace A.N.	Reduced graphene oxide supported MXene based metal oxide ternary composite electrodes for non-enzymatic glucose sensor applications	Scientific Reports	12	1			4.996	10.1038/s41598-022-24700-w
523	Shaik A.B.D.-A., Palla P.	Strain tunable quantum emission from atomic defects in hexagonal boron nitride for telecom-bands	Scientific Reports	12	1			4.996	10.1038/s41598-022-26061-w
524	Singh U., Saraswat A., Azad H.K., Abhishek K., Shitharth S.	Towards improving e-commerce customer review analysis for sentiment detection	Scientific Reports	12	1			4.996	10.1038/s41598-022-26432-3

525	Bhansali K.J., Balinge K.R., Raut S.U., Deshmukh S.A., Kumar M.S., Ramesh Kumar C., Patle D.S., Khajone V.B., Bhagat P.R.	Design of Metal- free Porphyrin Photocatalyst: Synergetic Effect of Donor–Acceptor Phenomenon for 1, 1- Diethoxyethane Production under Visible Light	Biomass Conversion and Biorefinery					4.987	10.1007/s13399-022- 02420-5
526	Rambabu K., AlYammahi J., Thanigaivelan A., Bharath G., Sivarajasekar N., Velu S., Banat F.	Sub-critical water extraction of reducing sugars and phenolic compounds from date palm fruit	Biomass Conversion and Biorefinery					4.987	10.1007/s13399-022- 02386-4
527	Joaquin A.A., Sivamani S., Gnanasundaram N.	Statistical experimental design and analysis of mixed natural-synthetic coagulants for the reduction of total suspended solids and turbidity in sewage wastewater treatment	Biomass Conversion and Biorefinery					4.987	10.1007/s13399-022- 02566-2

528	S G., Munuswamy D., Subbiah G., Devarajan Y., Mishra R., Thangaraja J.	Experimental research on waste and inedible feedstock as a partial alternate fuel: environmental protection and energy-saving initiative	Biomass Conversion and Biorefinery					4.987	10.1007/s13399-022-02799-1
529	Thirumalaisamy K., Ramachandran S., Ramachandra Prasad V., Anwar Bég O., Leung H.-H., Kamalov F., Vajravelu K.	Comparative heat transfer analysis of $\gamma$ - Al <sub>2</sub> O <sub>3</sub> - C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> and $\gamma$ - 2 O <sub>3</sub> - H <sub>2</sub> O electroconductive nanofluids in a saturated porous square cavity with Joule dissipation and heat source/sink effects	Physics of Fluids	34	7			4.98	10.1063/5.0095334

530	Roy N., Kannabiran K., Mukherjee A.	Studies on photocatalytic removal of antibiotics, ciprofloxacin and sulfamethoxazole, by Fe <sub>3</sub> O <sub>4</sub> -ZnO-Chitosan/Alginate nanocomposite in aqueous systems	Advanced Powder Technology	33	8			4.969	10.1016/j.appt.2022.103691
531	Hameed A.Z., Raj S.A., Kandasamy J., Baghdadi M.A., Shahzad M.A.	Chitosan: A Sustainable Material for Multifarious Applications	Polymers	14	12			4.967	10.3390/polym14122335
532	Bakhori S.N.M., Hassan M.Z., Bakhori N.M., Rashedi A., Mohammad R., Md Daud M.Y., Aziz S.A., Ramlie F., Kumar A., Naveen J.	Mechanical Properties of PALF/Kevlar-Reinforced Unsaturated Polyester Hybrid Composite Laminates	Polymers	14	12			4.967	10.3390/polym14122468

533	Olaiya N.G., Maraveas C., Salem M.A., Raja S., Rashedi A., Alzahrani A.Y., El- Bahy Z.M., Olaiya F.G.	Viscoelastic and Properties of Amphiphilic Chitin in Plasticised Polylactic Acid/Starch Biocomposite	Polymers	14	11			4.967	10.3390/polym14112 268
534	Hameed A.Z., Aravind Raj S., Kandasamy J., Shahzad M.A., Baghdadi M.A.	3D Printing Parameter Optimization Using Taguchi Approach to Examine Acrylonitrile Styrene Acrylate (ASA) Mechanical Properties	Polymers	14	16			4.967	10.3390/polym14163 256
535	Balakrishnan T.S., Sultan M.T.H., Naveen J., Shahar F.S., Najeeb M.I., Shah A.U.M., Khan T., Sebaey T.A.	Selection of Natural Fibre for Pultruded Hybrid Synthetic/Natura l Fibre Reinforced Polymer Composites Using Analytical Hierarchy Process for Structural Applications	Polymers	14	15			4.967	10.3390/polym14153 178

536	Selvaraj V.K., Subramanian J.	A Comparative Study on Bio-Based PU Foam Reinforced with Nanoparticles for EMI-Shielding Applications	Polymers	14	16			4.967	10.3390/polym14163344
537	Andrew M., Jayaraman G.	Molecular Characterization and Biocompatibility of Exopolysaccharide Produced by Moderately Halophilic Bacterium <i>Virgibacillus dokdonensis</i> from the Saltern of Kumta Coast	Polymers	14	19			4.967	10.3390/polym14193986
538	Srinivasan G.R., Jambulingam R., Gacem A., Ahmad A., Bhutto J.K., Yadav K.K., Mezni A., Alharbi O.K.R., Islam S., Ahn Y., Jeon B.-H.	Effect of Fuel Preheating on Engine Characteristics of Waste Animal Fat-Oil Biodiesel in Compression Ignition Engine	Polymers	14	18			4.967	10.3390/polym14183896



539	Norrahim M.N.F., Knight V.F., Nurazzi N.M., Jenol M.A., Misenan M.S.M., Janudin N., Kasim N.A.M., Shukor M.F.A., Ilyas R.A., Asyraf M.R.M., Naveen J.	The Frontiers of Functionalized Nanocellulose- Based Composites and Their Application as Chemical Sensors	Polymers	14	20			4.967	10.3390/polym14204 461
540	Aravindh S., Venkatachalam G.	Investigation on Elastic Constants of Microfibril Reinforced Poly Vinyl Chloride Composites Using Impulsive Excitation of Vibration	Polymers	14	23			4.967	10.3390/polym14235 083
541	Mukherjee A.G., Wanjari U.R., Prabakaran D.S., Ganesan R., Renu K., Dey A., Vellingiri B., Kandasamy S., Ramesh T., Gopalakrishnan A.V.	The Cellular and Molecular Immunotherapy in Prostate Cancer	Vaccines	10	8			4.961	10.3390/vaccines1008 1370

542	Renu K., Vinayagam S., Veeraraghavan V.P., Mukherjee A.G., Wanjari U.R., Prabakaran D.S., Ganesan R., Dey A., Vellingiri B., Kandasamy S., Ramanathan G., Doss C G.P., George A., Gopalakrishnan A.V.	Molecular Crosstalk between the Immunological Mechanism of the Tumor Microenvironment and Epithelial–Mesenchymal Transition in Oral Cancer	Vaccines	10	9			4.961	10.3390/vaccines10091490
543	Mukherjee A.G., Wanjari U.R., Namachivayam A., Murali R., Prabakaran D.S., Ganesan R., Renu K., Dey A., Vellingiri B., Ramanathan G., Doss C G.P., Gopalakrishnan A.V.	Role of Immune Cells and Receptors in Cancer Treatment: An Immunotherapeutic Approach	Vaccines	10	9			4.961	10.3390/vaccines10091493
544	Bharathiraja S., Kanna B.R., Geetha S., Hariharan M.	Exposing digital image forgeries from statistical footprints	Journal of Information Security and Applications	69				4.96	10.1016/j.jisa.2022.103273

545	Sendhil R., Amuthan A.	Verifiable quaternion fully homomorphic encryption scheme for mitigating false data injection attacks by privacy preservation in fog environment	Journal of Information Security and Applications	71				4.960	10.1016/j.jisa.2022.103383
546	Dhanamjayulu C., Sanjeevikumar P., Muyeen S.M.	A structural overview on transformer and transformer-less multi level inverters for renewable energy applications	Energy Reports	8		10299	10333	4.937	10.1016/j.egyr.2022.07.166
547	Bharathidasan M., Indragandhi V., Suresh V., Jasiński M., Leonowicz Z.	A review on electric vehicle: Technologies, energy trading, and cyber security	Energy Reports	8		9662	9685	4.937	10.1016/j.egyr.2022.07.145
548	Ramalingam S., Dharmalingam B., Deepakkumar R., Sriariyanun M.	Effect of Moringa oleifera biodiesel–diesel–carbon black water emulsion blends in diesel engine characteristics	Energy Reports	8		9598	9609	4.937	10.1016/j.egyr.2022.07.147

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550	Thomas A., Mishra U.	A green energy circular system with carbon capturing and waste minimization in a smart grid power management	Energy Reports	8		14102	14123	4.937	10.1016/j.egyr.2022.1 0.341
551	Naveen Venkatesh S., Rebecca Jeyavadhanam B., Moradi Sizkouhi A.M., Esmailifar S.M., Aghaei M., Sugumaran V.	Automatic detection of visual faults on photovoltaic modules using deep ensemble learning network	Energy Reports	8		14382	14395	4.937	10.1016/j.egyr.2022.1 0.427

552	Chintalapudi K., Pannem R.M.R.	Enhanced chemical resistance to sulphuric acid attack by reinforcing Graphene Oxide in Ordinary and Portland Pozzolana cement mortars	Case Studies in Construction Materials	17				4.934	10.1016/j.cscm.2022.e01452
553	Gopu G.N., Sofi A.	The influence of fiber RC beams under flexure on the chloride-induced corrosion	Case Studies in Construction Materials	17				4.934	10.1016/j.cscm.2022.e01566
554	Srikanth M., Rasool M.	3, 3'-diindolylmethane hinders IL-17A/IL-17RA interaction and mitigates imiquimod-induced psoriasiform in mice	International Immunopharmacology	109				4.932	10.1016/j.intimp.2022.108795

555	Pandiselvam R., Kaavya R., Monteagudo S.I.M., Divya V., Jain S., Khanashyam A.C., Kothakota A., Prasath V.A., Ramesh S.V., Sruthi N.U., Kumar M., Manikantan M.R., Kumar C.A., Khaneghah A.M., Cozzolino D.	Contemporary Developments and Emerging Trends in the Application of Spectroscopy Techniques: A Particular Reference to Coconut (Cocos nucifera L.)	Molecules	27	10			4.927	10.3390/molecules27 103250
556	Shetgaonkar S.E., Mamgain R., Kikushima K., Dohi T., Singh F.V.	Palladium- Catalyzed Organic Reactions Involving Hypervalent Iodine Reagents	Molecules	27	12			4.927	10.3390/molecules27 123900
557	Lopes B.S., Hanafiah A., Nachimuthu R., Muthupandian S., Md Nesran Z.N., Patil S.	The Role of Antimicrobial Peptides as Antimicrobial and Antibiofilm Agents in Tackling the Silent Pandemic of Antimicrobial Resistance	Molecules	27	9			4.927	10.3390/molecules27 092995

558	Shobana N., Prakash P., Samrot A.V., Jane Cypriyana P.J., Kajal P., Sathiyasree M., Saigeetha S., Dhas T.S., Anand D.A., Sabesan G.S., Bala Sundaram M., Mohanty B.K., Visvanathan S.	Purification and Characterization of Gum-Derived Polysaccharides of Moringa oleifera and Azadirachta indica and Their Applications as Plant Stimulants and Bio-Pesticidal Agents	Molecules	27	12			4.927	10.3390/molecules27123720
559	Govindasamy R., Raja V., Singh S., Govindarasu M., Sabura S., Rekha K., Rajeswari V.D., Alharthi S.S., Vaiyapuri M., Sudarmani R., Jesurani S., Venkidasamy B., Thiruvengadam M.	Green Synthesis and Characterization of Cobalt Oxide Nanoparticles Using Psidium guajava Leaves Extracts and Their Photocatalytic and Biological Activities	Molecules	27	17			4.927	10.3390/molecules27175646

560	Renu K., Mukherjee A.G., Wanjari U.R., Vinayagam S., Veeraraghavan V.P., Vellingiri B., George A., Lagoa R., Sattu K., Dey A., Gopalakrishnan A.V.	Misuse of Cardiac Lipid upon Exposure to Toxic Trace Elements—A Focused Review	Molecules	27	17			4.927	10.3390/molecules27175657
561	Menon S., Jayakodi S., Yadav K.K., Somu P., Isaq M., Shanmugam V.K., Chaitanyakumar A., Basavegowda N.	Preparation of Paclitaxel-Encapsulated Bio-Functionalized Selenium Nanoparticles and Evaluation of Their Efficacy against Cervical Cancer	Molecules	27	21			4.927	10.3390/molecules27217290
562	Pochont N.R., Sekhar Y.R., Vasu K., Jose R.	Nitrogen-Doped Titanium Dioxide as a Hole Transport Layer for High-Efficiency Formamidinium Perovskite Solar Cells	Molecules	27	22			4.927	10.3390/molecules27227927



563	Tripathi A.K., Aruna M., Venkatesan E.P., Abbas M., Afzal A., Shaik S., Linul E.	Quantitative Analysis of Solar Photovoltaic Panel Performance with Size-Variied Dust Pollutants Deposition Using Different Machine Learning Approaches	Molecules	27	22			4.927	10.3390/molecules27227853
564	Velamuri S., Kantipudi M.P., Sitharthan R., Kanakadhurga D., Prabaharan N., Rajkumar A.	A Q-learning based electric vehicle scheduling technique in a distribution system for power loss curtailment	Sustainable Computing: Informatics and Systems	36				4.923	10.1016/j.suscom.2022.100798
565	S R., Neelakandan S., Prakash M., Geetha B.T., Mary Rexcy Asha S., Roberts M.K.	Artificial humming bird with data science enabled stability prediction model for smart grids	Sustainable Computing: Informatics and Systems	36				4.923	10.1016/j.suscom.2022.100821

566	Sridarshini T., Chidambaram P., Geerthana S., Balaji V.R., Thirumurugan A., Sitharthan, Madurakavi K., Dhanabalan S.S.	Current and future horizon of optics and photonics in environmental sustainability	Sustainable Computing: Informatics and Systems	36				4.923	10.1016/j.suscom.202 2.100815
567	Savitha Lakshmi M., Mahalakshmi S.	Computational aspects to design iridium complexes as emitters for OLEDs	Molecular Systems Design and Engineering					4.92	10.1039/d2me00077f
568	Manojkumar N., Jose J., Guptha G., Bhardwaj A., Srimuruganandam B.	Mass, composition, and sources of particulate matter in residential and traffic sites of an urban environment	Environmental Geochemistry and Health					4.898	10.1007/s10653-022- 01327-4
569	Jothi D., Manickam S., Sawminathan S., Munusamy S., R S.K., Ashok Kumar S.K., Kulathu Iyer S.	Phenanthridine- based fluorescence sensor for the "off-on" determination of thorium ion and its bio-imaging applications	Dyes and Pigments	197				4.889	10.1016/j.dyepig.2021 .109826

570	Prabu S., Palanisami N.	Aggregation induced emission (AIE)-active ferrocene conjugated linear $\pi$ -extended multi donor- $\pi$ -acceptor (D-D'- $\pi$ -A) chromophores: Synthesis, structural, theoretical, linear and nonlinear optical studies	Dyes and Pigments	201				4.889	10.1016/j.dyepig.2022.1110193
571	Goutam Mukherjee A., Ramesh Wanjari U., Renu K., Vellingiri B., Valsala Gopalakrishnan A.	Heavy metal and metalloid - induced reproductive toxicity	Environmental Toxicology and Pharmacology	92				4.860	10.1016/j.etap.2022.103859
572	Pedugu Sivaraman S., Mohan A.M.	Colorimetric Probe-Infused Polymeric Solid-State Sensors for Co <sup>2+</sup> -Specific Visual Detection and Quantification	ACS Applied Polymer Materials	4	11	8253	8268	4.855	10.1021/acsapm.2c01190

573	Bala Anki Reddy P., Jakeer S., Thameem Basha H., Reddisekhar Reddy S.R., Mahesh Kumar T.	Multi-layer artificial neural network modeling of entropy generation on MHD stagnation point flow of Cross-nanofluid	Waves in Random and Complex Media					4.853	10.1080/17455030.20 22.2067375
574	Nagendarmma V., Rao B.M., Sivakumar N., Sarala G.M., Durgaprasad P., Raju C.S.K., Shah N.A., Yook S.-J.	Energy dissipative MHD Cu- AA7072/water- based hybrid nanofluid flow over a perpetually moving slender needle	Waves in Random and Complex Media					4.853	10.1080/17455030.20 22.2083721

575	Thangaraj V., Chang J.-H., Dash C.S., Sundararajan M., Mohanraj K., Ahmad N., Alshehri A.M., Mathankumar K., Sumathi S., Yuvaraj S., Arun A.	Study of structural, optical, antibacterial, anticancer effects on MDA-MB-231 cell line and drug delivery characteristics of novel Ce <sub>4-x</sub> Cs <sub>2(1+x)</sub> Fe <sub>5-x</sub> Zn <sub>x</sub> O <sub>14+δ</sub> [0 ≤ x ≤ 0.45] nanocomposite prepared via sol-gel synthesis technique	Surfaces and Interfaces	29				4.837	10.1016/j.surfin.2022.101746
576	Ponraj C., Kumar P.S., Sarkar S., Krishnamoorthi C., Manikandan N., Vinitha G., Daniel J.	Enhanced visible light photocatalytic activity of magnetic cobalt doped BiFeO <sub>3</sub>	Surfaces and Interfaces	31				4.837	10.1016/j.surfin.2022.102050

577	Bhardwaj V., Ashok Kumar S.K., Sahoo S.K.	Fluorescent sensing (Cu <sup>2+</sup> and pH) and visualization of latent fingerprints using an AIE-active naphthaldehyde-pyridoxal conjugated Schiff base	Microchemical Journal	178				4.821	10.1016/j.microc.2022.107404
578	Jose E., Agarwal P., Zhuang J., Swaminathan J.	A multi-criteria decision making approach to evaluating the performance of Indian railway zones	Annals of Operations Research					4.82	10.1007/s10479-022-04866-2
579	Chakraborty S., Mallick D., Goswami M., Guengerich F.P., Chakrabarty A., Chowdhury G.	The Natural Products Withaferin A and Withanone from the Medicinal Herb Withania somnifera Are Covalent Inhibitors of the SARS-CoV-2 Main Protease	Journal of Natural Products					4.803	10.1021/acs.jnatprod.2c00521

580	P D., C G.	A systematic review on machine learning and deep learning techniques in cancer survival prediction	Progress in Biophysics and Molecular Biology	174		62	71	4.799	10.1016/j.pbiomolbio.2022.07.004
581	Ma Y.-K., Dineshkumar C., Vijayakumar V., Udhayakumar R., Shukla A., Nisar K.S.	Approximate controllability of Atangana-Baleanu fractional neutral delay integrodifferential stochastic systems with nonlocal conditions☆	Ain Shams Engineering Journal					4.79	10.1016/j.asej.2022.101882
582	Sharma P., Chinnappa Naidu R.	Optimization techniques for grid-connected PV with retired EV batteries in centralized charging station with challenges and future possibilities: A review	Ain Shams Engineering Journal					4.79	10.1016/j.asej.2022.101985

583	C U.N., P S.P.A.	Selective laser melting and post-processing stages for enhancing the material behavior of cobalt-chromium alloy in total hip replacement: a review	Materials and Manufacturing Processes					4.783	10.1080/10426914.2022.2105879
584	Haribaskar R., Kumar T.S., Tamiloli N.	Surface Integrity of additively manufactured Inconel-718 by peening approaches	Materials and Manufacturing Processes					4.783	10.1080/10426914.2022.2146716
585	Elakkiya V., Sumathi S.	Vanadium and bismuth doped FePO <sub>4</sub> as Near Infra Red (NIR) reflective pigment for energy saving application	Materials Chemistry and Physics	290				4.778	10.1016/j.matchemphys.2022.126561



586	Saravanakumar M., Chandrasekaran J., Krishnakumar M., George M., Vinitha G., Anis M.	Growth, SHG, Z-scan, optical limiting and quantum chemical investigation of hexamethylenetetraminium hydrogen DL-malate – An organic crystal for optoelectronic applications	Materials Chemistry and Physics	291				4.778	10.1016/j.matchemphys.2022.126712
587	Mandal S., Ghorai M., Anand U., Samanta D., Kant N., Mishra T., Rahman M.H., Jha N.K., Jha S.K., Lal M.K., Tiwari R.K., Kumar M., Radha, Prasanth D.A., Mane A.B., Gopalakrishnan A.V., Biswas P., Proćków J., Dey A.	Cytokinin and abiotic stress tolerance -What has been accomplished and the way forward?	Frontiers in Genetics	13				4.772	10.3389/fgene.2022.943025

588	Banerjee S., Mandal A.K.A.	Role of epigallocatechin-3-gallate in the regulation of known and novel microRNAs in breast carcinoma cells	Frontiers in Genetics	13				4.772	10.3389/fgene.2022.995046
589	Manikandan N.S., Kaliyaperumal G.	Collision avoidance approaches for autonomous mobile robots to tackle the problem of pedestrians roaming on campus road	Pattern Recognition Letters	160		112	121	4.757	10.1016/j.patrec.2022.06.005
590	Nallakaruppan M.K., Ramalingam S., Somayaji S.R.K., Prathiba S.B.	Comparative Analysis of Deep Learning Models Used in Impact Analysis of Coronavirus Chest X-ray Imaging	Biomedicines	10	11			4.757	10.3390/biomedicines10112791

591	Anitha K., Radhika S., Kavitha C., Lai W. C., Srividhya S.R., Naresh K.	A Modified LBP Operator-Based Optimized Fuzzy Art Map Medical Image Retrieval System for Disease Diagnosis and Prediction	Biomedicines	10	10			4.757	10.3390/biomedicines10102438
592	Loganathan T.M., Sultan M.T.H., Ahsan Q., Jawaid M., Naveen J., Shah A.U.M., Talib A.R.A., Basri A.A.	Thermal degradation, visco-elastic and fire-retardant behavior of hybrid Cyrtostachys Renda/kenaf fiber-reinforced MWCNT-modified phenolic composites	Journal of Thermal Analysis and Calorimetry					4.755	10.1007/s10973-022-11557-4
593	Vijayalakshmi P., Sivaraj R.	Heat transfer analysis on micropolar alumina–silica–water nanofluid flow in an inclined square cavity with inclined magnetic field and radiation effect	Journal of Thermal Analysis and Calorimetry					4.755	10.1007/s10973-022-11758-x

594	Samantra A., Sa P.K., Nguyen T.N., Sangaiah A.K., Bakshi S.	On the Usage of Neural POS Taggers for Shakespearean Literature in Social Systems	IEEE Transactions on Computational Social Systems			1	11	4.747	10.1109/TCSS.2022.3191340
595	Nti I.K., Somanathan A.R.	A Scalable RF-XGBoost Framework for Financial Fraud Mitigation	IEEE Transactions on Computational Social Systems			1	8	4.747	10.1109/TCSS.2022.3209827
596	Sivadas N.A., Panda P., Mahajan A.	Control Strategies for the COVID-19 Infection Wave in India: A Mathematical Model Incorporating Vaccine Effectiveness	IEEE Transactions on Computational Social Systems			1	11	4.747	10.1109/TCSS.2022.3210404
597	Joseph C.T., Martin J.P., Chandrasekaran K., Raja S.P.	Fog Assisted Personalized Dynamic Pricing for Smartgrid	IEEE Transactions on Computational Social Systems			1	7	4.747	10.1109/TCSS.2022.3202935
598	Lian Z., Zeng Q., Wang W., Gadekallu T.R., Su C.	Blockchain-Based Two-Stage Federated Learning With Non-IID Data in IoMT System	IEEE Transactions on Computational Social Systems			1	10	4.747	10.1109/TCSS.2022.3216802

599	Malathi A., Jasim K.M.	Validating the relationship between service quality, patient sensitivity and experience towards medical applications using SERVQUAL	International Journal of Medical Informatics	168				4.73	10.1016/j.ijmedinf.2022.104883
600	Ramesh Kumar R., Razak A., Alshahrani S., Sharma A., Thakur D., Shaik S., Saleel C.A., Afzal A.	Vibration analysis of composite exhaust manifold for diesel engine using CFD	Case Studies in Thermal Engineering	32				4.724	10.1016/j.csite.2022.101853
601	Sakthivadivel D., Ganesh Kumar P., Prabakaran R., Vigneswaran V.S., Nithyanandhan K., Kim S.C.	A neem oil-based biodiesel with DEE enriched ethanol and Al <sub>2</sub> O <sub>3</sub> nano additive: An experimental investigation on the diesel engine performance	Case Studies in Thermal Engineering	34				4.724	10.1016/j.csite.2022.102021

602	Ramesh C., Vijayakumar M., Alshahrani S., Navaneethakrishna n G., Palanisamy R., Natrayan L., Saleel C.A., Afzal A., Shaik S., Panchal H.	Performance enhancement of selective layer coated on solar absorber panel with reflector for water heater by response surface method: A case study	Case Studies in Thermal Engineering	36				4.724	10.1016/j.csite.2022.1 02093
603	Esther Nimshi R., Judith Vijaya J., Al- Najar B., Hazeem L, Bououdina M., John Kennedy L., Kombaiah K., Bellucci S.	Multifunctional Core-Shell NiFe <sub>2</sub> O <sub>4</sub> Shield with TiO <sub>2</sub> /rGO Nanostructures for Biomedical and Environmental Applications	Bioinorganic Chemistry and Applications	2022				4.724	10.1155/2022/480549 0
604	Subramanian K., Balaraman D., Kaliyaperumal K., Devi Rajeswari V., Balakrishnan K., Ronald Ross P., Perumal E., Sampath Renuga P., Panangal M., Swarnalatha Y., Velmurugan S.	Preparation of an Intelligent pH Film Based on Biodegradable Polymers for Monitoring the Food Quality and Reducing the Microbial Contaminants	Bioinorganic Chemistry and Applications	2022				4.724	10.1155/2022/797587 3

605	Kothandan S., Thirumoorthy K., Rodríguez-Diéguez A., Sheela A.	Oxoperoxovanadium Complexes of Hetero Ligands: X-Ray Crystal Structure, Density Functional Theory, and Investigations on DNA/BSA Interactions, Cytotoxic, and Molecular Docking Studies	Bioinorganic Chemistry and Applications	2022				4.724	10.1155/2022/8696420
606	Raj I.S., Somasundaram K.	An optimized mix for the manufacture of aerated concrete blocks using waste rubber powder	Clean Technologies and Environmental Policy					4.7	10.1007/s10098-022-02442-7
607	Raman S., Ravi Sankar A.	Intrinsically conducting polymers in flexible and stretchable resistive strain sensors: a review	Journal of Materials Science	57	28	13152	13178	4.682	10.1007/s10853-022-07479-z

608	Kongasseri A., Deivasigamani P., Mohan A.M.	Reusable Schiff base probe implanted mesoporous materials for the optical detection and extraction of trace copper(II)	Journal of Materials Science	57	39	18323	18342	4.682	10.1007/s10853-022- 07765-w
609	Hussain S.S., Durga N., Hossein R., Ganesh G., Oscar C.	New Concepts on Quadripartitioned Single-Valued Neutrosophic Graph with Real- Life Application	International Journal of Fuzzy Systems					4.673	10.1007/s40815-021- 01205-8
610	Saiteja P., Ashok B., Wagh A.S., Farrag M.E.	Critical review on optimal regenerative braking control system architecture, calibration parameters and development challenges for EVs	International Journal of Energy Research					4.672	10.1002/er.8306



611	Sivakumar P., Raj C.J., Kulandaivel L., Park J., Jung H.	Impact of oxygen-defects induced electrochemical properties of three-dimensional flower-like CoMoO <sub>4</sub> nanoarchitecture for supercapacitor applications	International Journal of Energy Research					4.672	10.1002/er.8367
612	Eswaramoorthy N., Arulraj A., Mangalaraja R.V., Pitchaiya S., Rajaram K.	Nanoscale interfacial engineering of 1D g-C <sub>3</sub> N <sub>4</sub> enables effective and thermally stable HTL-free carbon-based perovskite solar cells with aging for 100 hours	International Journal of Energy Research					4.672	10.1002/er.8311

613	Afzal A., Alahmadi A.A., Abdul Razak R.K., Alwetaishi M., Alzaed A.N., Shaik S.	Machine learning prediction and study of hotspots and hotspots location for sustainable battery energy system	International Journal of Energy Research					4.672	10.1002/er.8520
614	Lakshmikanthan D., Chandrasekaran N.	The Effect of Humic Acid and Polystyrene Fluorescence Nanoplastics on Solanum lycopersicum Environmental Behavior and Phytotoxicity	Plants	11	21			4.658	10.3390/plants11213000
615	Ramesh M., Viswanath N V., Yesuraj J., Kim K., Biswas K.	Oxygen vacancy induced high specific capacitance in Sr <sub>2</sub> CoSbO <sub>6</sub>	Materials Science in Semiconductor Processing	148				4.644	10.1016/j.mssp.2022.106806
616	Chittibabu S.K., Chintagumpala K., Chandrasekhar A.	Porous dielectric materials based wearable capacitance pressure sensors for vital signs monitoring: A review	Materials Science in Semiconductor Processing	151				4.644	10.1016/j.mssp.2022.106976

617	Sundararajan M., Bonisha B., Ubaidullah M., Shaikh S.M.F., Revathi S., Thiripurasundari D., Dhiwaha A.T., Pandit B., Dash C.S., Shahazad M.	Enhanced visible light photocatalytic degradation of rhodamine B using Ni <sub>1-x</sub> Co <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 0.5) nanoparticles: Performance, kinetics and mechanism	Materials Research Bulletin	154				4.641	10.1016/j.materresbull.2022.111911
618	Senthilkumar P.B., Parthasarathy M., Nagarajan R., Murgunachiappan N., Elumalai P.V., Varaprasad B.H.	The effect of thermal degradation and thermogravimetric analysis on pyrolysis oil production from waste milk packet for CI engine application	Journal of Thermal Analysis and Calorimetry					4.626	10.1007/s10973-022-11226-6
619	Kumar P.G., Prabakaran R., Sakthivadivel D., Somasundaram P., Vigneswaran V.S., Kim S.C.	Ultrasonication time optimization for multi-walled carbon nanotube based Therminol-55 nanofluid: an experimental investigation	Journal of Thermal Analysis and Calorimetry					4.626	10.1007/s10973-022-11298-4

620	Tamiloli N., Venkatesan J., Raja Raghu Vamsi Krishna P., Sampath Kumar T.	Time domain and frequency domain of coated milling inserts using FFT spectrum	Materials and Manufacturing Processes					4.616	10.1080/10426914.20 22.2065012
621	Hanumegowda P.K., Gnanasekaran S.	Prediction of Work-Related Risk Factors among Bus Drivers Using Machine Learning	International Journal of Environmental Research and Public Health	19	22			4.614	10.3390/ijerph192215 179
622	Basu S., Joshi S.M., Ramaiah S., Anbarasu A.	Designing Anti- Microbial Peptides Against Major $\beta$ - Lactamase Enzymes in Clinically Important Gram- Negative Bacterial Pathogens: An In- Silico Study	Probiotics and Antimicrobial Proteins					4.609	10.1007/s12602-022- 09929-1

623	Mehra Y., Rajesh N.G., Viswanathan P.	Analysis and Characterization of Lactobacillus paragasseri and Lacticaseibacillus paracasei: Two Probiotic Bacteria that Can Degrade Intestinal Oxalate in Hyperoxaluric Rats	Probiotics and Antimicrobial Proteins					4.609	10.1007/s12602-022- 09958-w
624	Sakthi Balan G., Aravind Raj S.	A review on Shock tubes with multitudinous applications	International Journal of Impact Engineering					4.592	10.1016/j.ijimpeng.20 22.104406
625	Pankaj, Kumar A., Komaragiri R., Kumar M.	Reference signal less Fourier analysis based motion artifact removal algorithm for wearable photoplethysmo graphy devices to estimate heart rate during physical exercises	Computers in Biology and Medicine	141				4.589	10.1016/j.compbio med.2021.105081

626	Kar B., Paira P.	One pot three component synthesis of DNA targeting phototoxic Ru(ii)-p-cymene dipyrido[3,2-a:2',3'-c]phenazine analogues	Dalton Transactions					4.569	10.1039/d2dt01659a
627	Selvam P., De S., Paira P., Kumar S.K.A., Kumar R S., Moorthy A., Ghosh A., Kuo Y.-C., Banerjee S., Jenifer S.K.	In vitro studies on the selective cytotoxic effect of luminescent Ru(ii)-p-cymene complexes of imidazo-pyridine and imidazo quinoline ligands	Dalton Transactions					4.569	10.1039/d2dt02237k
628	Dineshkumar C., Udhayakumar R., Vijayakumar V., Nisar K.S., Shukla A., Abdel-Aty A.-H., Mahmoud M., Mahmoud E.E.	A note on existence and approximate controllability outcomes of Atangana–Baleanu neutral fractional stochastic hemivariational inequality	Results in Physics	38				4.565	10.1016/j.rinp.2022.105647

629	Zhang H., Madhusudanan V., Geetha R., Srinivas M.N., Nwokoye C.H.	Dynamic analysis of the e-SITR model for remote wireless sensor networks with noise and Sokol-Howell functional response	Results in Physics	38				4.565	10.1016/j.rinp.2022.1 05643
630	De D.K., Oduniyi I.A., Alex Sam A.	A novel cryogenic technology for low-cost carbon capture from NGCC power plants for climate change mitigation	Thermal Science and Engineering Progress	36				4.56	10.1016/j.tsep.2022.1 01495
631	Sethuram L., Thomas J., Mukherjee A., Chandrasekaran N.	A review on contemporary nanomaterial- based therapeutics for the treatment of diabetic foot ulcers (DFUs) with special reference to the Indian scenario	Nanoscale Advances					4.553	10.1039/d1na00859e

632	Ghosh D., Chakraborty K., Bharti, Pulimi M., Anand S., Chandrasekaran N., Rai P.K., Rabha S.S., Mukherjee A.	The effects of pH, ionic strength, and natural organics on the transport properties of carbon nanotubes in saturated porous medium	Colloids and Surfaces A: Physicochemic al and Engineering Aspects	647				4.539	10.1016/j.colsurfa.20 22.129025
633	Gainor K., Fortuna Y.C., Alakkaparambil A.S., González W., Malik Y.S., Ghosh S.	High Rates of Detection and Molecular Characterization of Porcine Adenovirus Serotype 5 (Porcine mastadenovirus C) from Diarrheic Pigs	Pathogens	11	10			4.531	10.3390/pathogens11 101210
634	S C., T S., A R.	Investigation on nanocore- centred nonlinear PCF for high nonlinearity and low dispersion	Ceramics International					4.527	10.1016/j.ceramint.20 22.02.148



635	Maurya H.S., Kollo L., Juhani K., Sergejev F., Prashanth K.G.	Effect of preheating and cooling of the powder bed by laser pulse shaping on the microstructure of the TiC based cermets	Ceramics International					4.527	10.1016/j.ceramint.2022.04.029
636	John R.A.B., Shruthi J., Ramana Reddy M.V., Ruban Kumar A.	Manganese doped nickel oxide as room temperature gas sensor for formaldehyde detection	Ceramics International					4.527	10.1016/j.ceramint.2022.03.036
637	Sivakumar P., Kulandaivel L., Park J., Raj C.J., Ramesh R., Jung H.	Rational design and fabrication of one-dimensional hollow cuboid-like FeMoO <sub>4</sub> architecture as a high performance electrode for hybrid supercapacitor	Ceramics International					4.527	10.1016/j.ceramint.2022.05.064

638	Koppala S., John S.P., Balan R., Lokesh B., Munusamy S., Karthikeyan P., Godiya C.B., Chandragiri S.Y., Aminabhavi T.M., Duan K., Li K., Xu L., Xia Y., Swamiappan S.	Glowing combustion synthesis, characterization and biomedical properties of Sr-hardystonite (Sr <sub>2</sub> ZnSi <sub>2</sub> O <sub>7</sub> ) powders	Ceramics International					4.527	10.1016/j.ceramint.2022.05.013
639	Sivakumar P., Raj C.J., R R., Kulandaivel L., Park J., Jung H.	Influence of heat-treatment temperature on the improvement of the electrochemical performance of CoMoO <sub>4</sub> nanomaterials for hybrid supercapacitor application	Ceramics International					4.527	10.1016/j.ceramint.2022.04.210
640	Jayasree A.S., Rahulan K.M., Annie Sujatha R., Vinitha G., Little Flower N.A.	Influence of Ni doping on the structural and third order nonlinear optical properties of ZnMoO <sub>4</sub> nanostructures	Ceramics International					4.527	10.1016/j.ceramint.2022.05.217

641	Hemalatha K., Alamelumangai K., Arulmozhi R., Chandunika R.K., Sahu N.K., Parthipan G., Rajaram M.	Cytotoxic effect of functionalized superparamagnetic samarium doped iron oxide nanoparticles for hyperthermia application	Ceramics International					4.527	10.1016/j.ceramint.20 22.05.078
642	Gecil Evangeline T., Raja Annamalai A.	Dielectric properties of conventional and microwave sintered Lanthanum doped CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics for high- frequency applications	Ceramics International					4.527	10.1016/j.ceramint.20 22.05.179
643	Vaidya G., Nalla B.T., Sharma D.K., Thangaraja J., Devarajan Y., Sorakka Ponnappan V.	Production of biodiesel from phoenix sylvestris oil: Process optimisation technique	Sustainable Chemistry and Pharmacy	26				4.508	10.1016/j.scp.2022.10 0636

644	Sivaraman C., Vijayalakshmi S., Leonard E., Sagadevan S., Jambulingam R.	Current Developments in the Effective Removal of Environmental Pollutants through Photocatalytic Degradation Using Nanomaterials	Catalysts	12	5			4.501	10.3390/catal12050544
645	Kumar S., Das M., Htay M.T., Sriram S., Mukherjee S.	Electroforming-Free Y2O3Memristive Crossbar Array with Low Variability	ACS Applied Electronic Materials	4	6	3080	3087	4.494	10.1021/acsaelm.2c00472
646	Tayubi I.A., Kumar S. U., George Priya Doss C.	Identification of potential inhibitors, conformational dynamics, and mechanistic insights into mutant Kirsten rat sarcoma virus (G13D) driven cancers	Journal of Cellular Biochemistry					4.48	10.1002/jcb.30305
647	Patil M.R., Bihari A.	A comprehensive study of p53 protein	Journal of Cellular Biochemistry					4.48	10.1002/jcb.30331

648	Li H., Shi D., Wang W., Liao D., Gadekallu T.R., Yu K.	Secure routing for LEO satellite network survivability	Computer Networks	211				4.474	10.1016/j.comnet.2022.109011
649	Arumugam S.N., Manohar P., Sukumaran S., Sadagopan S., Loh B., Leptihn S., Nachimuthu R.	Antibacterial efficacy of lytic phages against multidrug-resistant Pseudomonas aeruginosa infections in bacteraemia mice models	BMC Microbiology	22	1			4.465	10.1186/s12866-022-02603-0
650	Gandhi M., Indiramma J., Jayaprakash N.S., Kumar A.S.	An efficient electrochemical sandwich ELISA for urinary human serum albumin-biomarker based on highly redox-active thionine surface-confined MWCNT/PEDOT. PSS platform	Journal of Electroanalytical Chemistry	906				4.464	10.1016/j.jelechem.2022.116018

651	Bhuvanewari C., Ganesh Babu S.	Nanoarchitecture and surface engineering strategy for the construction of 3D hierarchical CuS-rGO/g-C3N4 nanostructure: An ultrasensitive and highly selective electrochemical sensor for the detection of furazolidone drug	Journal of Electroanalytical Chemistry	907				4.464	10.1016/j.jelechem.2022.116080
652	Barathan V., Rajamohan V.	Nonlinear buckling analysis of a semi-elliptical dome: Numerical and experimental investigations	Thin-Walled Structures	171				4.442	10.1016/j.tws.2021.108708

653	Elangovan H., Rajamohan V.	Dynamic characterization of tapered composite sandwich plate with honeycomb core: Numerical and experimental investigations	Thin-Walled Structures	178				4.442	10.1016/j.tws.2022.109515
654	Ansari M.J., Rajendran R.R., Mohanto S., Agarwal U., Panda K., Dhotre K., Manne R., Deepak A., Zafar A., Yasir M., Pramanik S.	Poly(N-isopropylacrylamide)-Based Hydrogels for Biomedical Applications: A Review of the State-of-the-Art	Gels	8	7			4.432	10.3390/gels8070454
655	Shreya M., Nimal Yughan V., Katyal J., Ramesh R.	Technical solutions for waste classification and management: A mini-review	Waste Management and Research					4.432	10.1177/0734242X221135262

656	Rahul M.T., Chacko S.K., Vinodan K., Raneesh B., Philip K A., Bhadrappriya B.C., Bose B.A., Kalarikkal N., Rouxel D., Viswanathan P., Chandrasekhar A.	Multiferroic and energy harvesting characteristics of P(VDF-TrFE)-CuFe <sub>2</sub> O <sub>4</sub> flexible films	Polymer	252				4.430	10.1016/j.polymer.2022.124910
657	Venkatesan A., Dhanabalan A.K., Rajendran S., Shanmugasundharam S.G., Gunasekaran K., Febin Prabhu Dass J.	Structure-based pharmacophore modeling, virtual screening approaches to identifying the potent hepatitis C viral protease and polymerase novel inhibitors	Journal of Cellular Biochemistry					4.429	10.1002/jcb.30298
658	Kutumbarao N.V., Karthikeyan S., Ganesan S., Velmurugan D.	Time-resolved emission spectroscopy to elucidate the functional nature of heat-stable transcription factor	Journal of Cellular Biochemistry					4.429	10.1002/jcb.30266



659	Rathor S.K., Mohanta A., Patra K.C.	Validation of Computational Fluid Dynamics Approach of Lateral Velocity Profile Due to Curvature Effect on Floodplain Levee of Two- stage Meandering Channel	Water Resources Management					4.426	10.1007/s11269-022- 03308-9
660	Sabitha S., Shobana N., Prakash P., Padmanaban S., Sathiyashree M., Saigeetha S., Chakravarthi S., Uthaman S., Park I.- K., Samrot A.V.	A Review of Different Vaccines and Strategies to Combat COVID- 19	Vaccines	10	5			4.422	10.3390/vaccines1005 0737
661	Sundar V., Ramasamy T., Doke M., Samikkannu T.	Psychostimulants influence oxidative stress and redox signatures: the role of DNA methylation	Redox Report	27	1	53	59	4.412	10.1080/13510002.20 22.2043224

662	Ramesh P., Veerappapillai S.	Designing Novel Compounds for the Treatment and Management of RET-Positive Non-Small Cell Lung Cancer—Fragment Based Drug Design Strategy	Molecules	27	5			4.411	10.3390/molecules27051590
663	Goutam Mukherjee A., Ramesh Wanjari U., Eladl M.A., El-Sherbiny M., Elsherbini D.M.A., Sukumar A., Kannampuzha S., Ravichandran M., Renu K., Vellingiri B., Kandasamy S., Valsala Gopalakrishnan A.	Mixed Contaminants: Occurrence, Interactions, Toxicity, Detection, and Remediation	Molecules (Basel, Switzerland)	27	8			4.411	10.3390/molecules27082577
664	Manochkumar J., Doss C.G.P., Efferth T., Ramamoorthy S.	Tumor preventive properties of selected marine pigments against colon and breast cancer	Algal Research	61				4.401	10.1016/j.algal.2021.102594

665	Munshi S., Sinha A., Yiga S., Banerjee S., Singh R., Hossain M.K., Haukka M., Valiati A.F., Huelsmann R.D., Martendal E., Peralta R., Xavier F., Wendt O.F., Paine T.K., Nordlander E.	Hydrogen-atom and oxygen-atom transfer reactivities of iron(	Dalton Transactions	51	3	870	884	4.390	10.1039/d1dt03381f
666	Kar B., Shanavas S., Nagendra A.H., Das U., Roy N., Pete S., Sharma S A., De S., Kumar S K A., Vardhan S., Sahoo S.K., Panda D., Shenoy S., Bose B., Paira P.	Iridium(iii)-Cp*-(imidazo[4,5-f][1,10]phenanthroline-2-yl)phenol analogues as hypoxia active, GSH-resistant cancer cytoselective and mitochondria-targeting cancer stem cell therapeutic agents	Dalton Transactions	51	14	5494	5514	4.390	10.1039/d2dt00168c

667	Anuja P.K., Roy N., Das U., Varddhan S., Sahoo S.K., Paira P.	[Ru( $\eta^6$ -p-cymene)(N <sup>8</sup> -hydroxyquinoline)(PTA)] complexes as rising stars in medicinal chemistry: synthesis, properties, biomolecular interactions, in vitro anti-tumor activity toward human brain carcinomas, and in vivo biodistribution and toxicity in a zebrafish model	Dalton Transactions	51	21	8497	8509	4.390	10.1039/d2dt00666a
668	Sure J., Vishnu D.S.M., Choi S., Kim H.-K., Schwandt C.	Facile Electrochemical Preparation of Nano-sized Ultra-high-temperature Ta <sub>1-x</sub> Hf <sub>x</sub> C Ceramic Powders	Journal of the Electrochemical Society	169	6			4.386	10.1149/1945-7111/ac7672

669	Radhakrishnan J., Kareem A., Senthilkumar S., Biswas K.	Facile one-step synthesis of CuGaS <sub>2</sub> nanosheets and its electrocatalytic activity towards hydrogen evolution	Journal of Physics and Chemistry of Solids	170				4.383	10.1016/j.jpccs.2022.110929
670	Vijay A., Eithiraj R.D.	Structural, electronic, optical, and thermoelectric properties of Li <sub>2</sub> ZnCl <sub>4</sub> based on density functional theory computations	Journal of Physics and Chemistry of Solids	171				4.383	10.1016/j.jpccs.2022.111037
671	Sajeev A., Paul A.M., Nivetha R., Gothandapani K., Gopal T.S., Jacob G., Muthuramamoorthy M., Pandiaraj S., Alodhayb A., Kim S.Y., Van Le Q., Show P.L., Jeong S.K., Grace A.N.	Development of Cu <sub>3</sub> N electrocatalyst for hydrogen evolution reaction in alkaline medium	Scientific Reports	12	1			4.379	10.1038/s41598-022-05953-x
672	Abbasi A., Javed A.R., Iqbal F., Jalil Z., Gadekallu T.R., Kryvinska N.	Authorship identification using ensemble learning	Scientific Reports	12	1			4.379	10.1038/s41598-022-13690-4

673	Albert J., Krishnan A., Bhaskaran P.K., Singh K.S.	Role and influence of key atmospheric parameters in large-scale environmental flow associated with tropical cyclogenesis and ENSO in the North Indian Ocean basin	Climate Dynamics	58	01-Feb	17	34	4.375	10.1007/s00382-021-05885-8
674	Velmurugan G., Siva Shankar V., Natrayan L., Sekar S., Patil P.P., Kumar M.S., Thanappan S.	Multiresponse Optimization of Mechanical and Physical Adsorption Properties of Activated Natural Fibers Hybrid Composites	Adsorption Science and Technology	2022				4.373	10.1155/2022/1384738

675	Raj S.S., Davis D., Viswanathan P., Chandrasekhar A., Vinod T.P.	Compositionally Homogeneous Soft Wrinkles on Elastomeric Substrates: Novel Fabrication Method, Water Collection from Fog, and Triboelectric Charge Generation	Macromolecula r Materials and Engineering					4.367	10.1002/mame.20220 0247
676	Joshi A.A., Settibhaktini H., Chintanpalli A.	Modeling Concurrent Vowel Scores Using the Time Delay Neural Network and Multitask Learning	IEEE/ACM Transactions on Audio Speech and Language Processing	30		2452	2459	4.364	10.1109/TASLP.2022. 3192096
677	Joshi K.K., Kar V.R., Thomas B.	Higher-order finite element solution of graphene platelets reinforced nanocomposite curved panels with uniform/non- uniform porosity	Mechanics Based Design of Structures and Machines					4.364	10.1080/15397734.20 22.2104311

678	Manojkumar N., Srimuruganandam B.	Age-specific and seasonal deposition of outdoor and indoor particulate matter in human respiratory tract	Atmospheric Pollution Research	13	2			4.352	10.1016/j.apr.2021.10 1298
679	Dhakar B., Swaroop S.	Mechanical properties and deformation dependent microstructural aspects of laser shock peened 7075-T6 aluminum alloy without coating	Materials Characterization	183				4.342	10.1016/j.matchar.20 21.111620
680	Ganapathy S.B., Sakthivel A.R., Sultan M.T.H., Shahar F.S., Shah A.U.M., Khan T., Sebaey T.A.	Effect of Prosopis Juliflora Thorns on Mechanical Properties of Plastic Waste Reinforced Epoxy Composites	Polymers	14	7			4.329	10.3390/polym14071 278
681	Dukle A., Murugan D., Nathanael A.J., Rangasamy L., Oh T. H.	Can 3D-Printed Bioactive Glasses Be the Future of Bone Tissue Engineering?	Polymers	14	8			4.329	10.3390/polym14081 627



682	Pulluri K.K., Kumar V.N.	Development of an Integrated Soft E-nose for Food Quality Assessment	IEEE Sensors Journal			1	1	4.325	10.1109/JSEN.2022.3182480
683	Kumar G.A.A.U., Jindal S.K., Sreekanth P.K.	Understanding influence of substrate floor concavity on sensitivity and linearity through a parabolic model: Theoretical modelling and Analysis of performance	IEEE Sensors Journal			1	1	4.325	10.1109/JSEN.2022.3197455
684	Thiyagarajan K., Rajini G.K., Maji D.	Cost-Effective, Disposable, Flexible, and Printable MWCNT-Based Wearable Sensor for Human Body Temperature Monitoring	IEEE Sensors Journal	22	17	16756	16763	4.325	10.1109/JSEN.2021.3088466

685	Nataraj S.K., Al-Turjman F., Adom A.H.B., Sitharthan R., Rajesh M., Kumar R.	Intelligent Robotic Chair With Thought Control and Communication Aid Using Higher Order Spectra Band Features	IEEE Sensors Journal	22	18	17362	17369	4.325	10.1109/JSEN.2020.3020971
686	Narasimman S., Balakrishnan L., Alex Z.	Highly Selective and Rapid Detection of Ethanol Using Ni Functionalized ZnO Nanoflakes Coated Fiber Optic sensor	IEEE Sensors Journal			1	1	4.325	10.1109/JSEN.2022.3223160
687	Chadha U., Bhardwaj P., Padmanaban S., Suneel R.M., Milton K., Subair N., Pandey A., Khanna M., Srivastava D., Mathew R.M., Selvaraj S.K., Banavoth M., Sonar P., Badoni B., Rao N.S., Kumar S.G., Ray A.K., Kumar A.	Review - Contemporary Progresses in Carbon-Based Electrode Material in Li-S Batteries	Journal of the Electrochemical Society	169	2			4.316	10.1149/1945-7111/ac4cd7

688	Varsha M.V., Nageswaran G., Jothi L., Ravi Sankar A.	Review - Recent Advances in Metal Organic Framework Derived Carbon Materials for Electrocatalytic Applications	Journal of the Electrochemica l Society	169	3			4.316	10.1149/1945- 7111/ac5547
689	Lavanya J., Srinivasan R., Ravi Sankar A., Varsha M.V., Gomathi N.	Review - Metal- Organic Frameworks Composites for Electrochemical Detection of Heavy Metal Ions in Aqueous Medium	Journal of the Electrochemica l Society	169	4			4.316	10.1149/1945- 7111/ac68a2
690	Kusuma S., Jothe K.R.	ECG signals- based automated diagnosis of congestive heart failure using Deep CNN and LSTM architecture	Biocybernetics and Biomedical Engineering	42	1	247	257	4.314	10.1016/j.bbe.2022.0 2.003

691	Jothi D., Iyer S.K.	A highly sensitive naphthalimide based fluorescent "turn-on" sensor for H <sub>2</sub> S and its bio-imaging applications	Journal of Photochemistry and Photobiology A: Chemistry	427				4.291	10.1016/j.jphotochem.2022.113802
692	Mohanasundaram D., Bhaskar R., Lenin N., Nehru K., Rajagopal G., Kumar G.G.V., Rajesh J.	A simple triphenylamine based turn-off fluorescent sensor for copper (II) ion detection in semi-aqueous solutions	Journal of Photochemistry and Photobiology A: Chemistry	427				4.291	10.1016/j.jphotochem.2022.113850
693	Krishnan U., Kulathu Iyer S.	Iminothiophenol Schiff base-based fluorescent probe for dual detection of Hg <sup>2+</sup> and Cr <sup>3+</sup> ions and its application in real sample analysis	Journal of Photochemistry and Photobiology A: Chemistry	425				4.291	10.1016/j.jphotochem.2021.113663

694	Seenan S., Manickam S., Sawminathan S., Jothi D., Kulathu lyer S.	Phenanthridine based fluorescent probe for Th4+ ion chemosensor	Journal of Photochemistr y and Photobiology A: Chemistry	430				4.291	10.1016/j.jphotochem .2022.113952
695	Mujeeb Rahman K.K., Monica Subashini M.	A Deep Neural Network-Based Model for Screening Autism Spectrum Disorder Using the Quantitative Checklist for Autism in Toddlers (QCHAT)	Journal of autism and developmental disorders	52	6	2732	2746	4.291	10.1007/s10803-021- 05141-2
696	Rama M., Vijayalakshmi U.	Biological and mechanical investigation of novel flax/silk protein-based nanofibrous scaffold for bone regeneration	Progress in Natural Science: Materials International					4.269	10.1016/j.pnsc.2022.0 6.006

697	Asha N., Syed Fiaz A.S., Jayashree J., Vijayashree J., Indumathi J.	Principal component analysis on face recognition using artificial firefly swarm optimization algorithm	Advances in Engineering Software	174				4.255	10.1016/j.advengsoft.2022.103296
698	S N., Singh H., N A.U.	An extensive review on quantum computers	Advances in Engineering Software	174				4.255	10.1016/j.advengsoft.2022.103337
699	Priyamvada P., Debroy R., Anbarasu A., Ramaiah S.	A comprehensive review on genomics, systems biology and structural biology approaches for combating antimicrobial resistance in ESKAPE pathogens: computational tools and recent advancements	World Journal of Microbiology and Biotechnology	38	9			4.253	10.1007/s11274-022-03343-z

700	Sakthivel R., Anusuya S., Harshavarthini S., Kwon O.M.	Composite disturbance rejection and tracking control design for fuzzy model based systems with cyber attacks	Journal of the Franklin Institute					4.246	10.1016/j.jfranklin.2022.10.057
701	Mukhopadhyay S., Ruyer-Quil C., Usha R.	Modelling falling film flow: an adjustable formulation	Journal of Fluid Mechanics	952				4.245	10.1017/jfm.2022.901
702	Fatima R., Nilofer P.S., Karthikeyan K., Vidya R., Itami T., Sudhakaran R.	Enhancement of immune response and resistance to <i>Vibrio parahaemolyticus</i> in Tilapia fish ( <i>Oreochromis mossambicus</i> ) by dietary supplementation of <i>Portieria hornemannii</i>	Aquaculture	547				4.242	10.1016/j.aquaculture.2021.737448

703	Noor A., Al Murad M., Jaya Chitra A., Babu S.N., Govindarajan S.	Alginate based encapsulation of polyphenols of Piper betelleaves: Development, stability, bio-accessibility and biological activities	Food Bioscience	47				4.240	10.1016/j.fbio.2022.101715
704	Ghosh D., Das S., Gahlot V.K., Pulimi M., Anand S., Chandrasekaran N., Rai P.K., Mukherjee A.	A comprehensive estimate of the aggregation and transport of nSiO <sub>2</sub> in static and dynamic aqueous systems	Environmental Science: Processes and Impacts					4.238	10.1039/d2em00016d
705	Mondal B., Rangaiah G.P., Jana A.K.	Optimizing algal biodiesel production from a novel reactive distillation based unit: Reducing CO <sub>2</sub> emission and cost	Chemical Engineering and Processing: Process Intensification	176				4.237	10.1016/j.cep.2022.108948



706	Chukka N.D.K.R., Reddy B.S., Vasugi K., Reddy Y.B.S., Natrayan L., Thanappan S.	Experimental Testing on Mechanical, Durability, and Adsorption Dispersion Properties of Concrete with Multiwalled Carbon Nanotubes and Silica Fumes	Adsorption Science and Technology	2022				4.232	10.1155/2022/434775 3
707	Natrayan L., Veeman D., Patil P.P., Swamy Nadh V., Balamurugan P., Chewaka M.D.	Surface State Treatment of Carbon Dots Using Sulphur Dioxide Isotherm	Adsorption Science and Technology	2022				4.232	10.1155/2022/738740 9
708	Natrayan L., Angalaeswari S., Kaliappan S., Reddy C.N.D.K., Sivaprakash V., Patil P.P., Murugan P.	Reduction of 1/f Noise in Single- Walled Carbon Nanotubes (SWCNTs) Using Gas Adsorption Technique	Adsorption Science and Technology	2022				4.232	10.1155/2022/324470 2

709	Tahmasbi S., Karimnia S., Rahimi A.	A Combination of Action Research and Reflective Journal Writing in an English as a Foreign Language Class: Learners' Psychological Point of Views and Their Grammar Use in Writing	Frontiers in Psychology	13				4.232	10.3389/fpsyg.2022.8 10775
710	Radhakrishnan Govindan G., Sattanathan M., Muthiah M., Ranjitharamasamy S.P., Athikesavan M.M.	Performance analysis of a novel thermal energy storage integrated solar dryer for drying of coconuts	Environmental Science and Pollution Research					4.223	10.1007/s11356-021- 18052-7
711	Pandi D., Kothandaraman S., Kasiviswanathan K.S., Kuppusamy M.	A catchment scale assessment of water balance components: a case study of Chittar catchment in South India	Environmental Science and Pollution Research					4.223	10.1007/s11356-022- 19032-1

712	Manivannan S.P., Gunasekaran D.L., Jaganathan G., Natesan S., Muthusamy S.M., Kim S.C., Kumar B., Poongavanam G.K., Duraisamy S.	Energy and environmental analysis of a solar evacuated tube heat pipe integrated thermoelectric generator using IoT	Environmental Science and Pollution Research					4.223	10.1007/s11356-022-19857-w
713	Natarajan S.K., Elangovan E., Elavarasan R.M., Balaraman A., Sundaram S.	Review on solar dryers for drying fish, fruits, and vegetables	Environmental Science and Pollution Research					4.223	10.1007/s11356-022-19714-w
714	Bradu P., Biswas A., Nair C., Sreevalsakumar S., Patil M., Kannampuzha S., Mukherjee A.G., Wanjari U.R., Renu K., Vellingiri B., Gopalakrishnan A.V.	Recent advances in green technology and Industrial Revolution 4.0 for a sustainable future	Environmental Science and Pollution Research					4.223	10.1007/s11356-022-20024-4
715	Pandiselvam R., Kaavya R., Khanashyam A.C., Divya V., Abdullah S.K., Aurum F.S., Dakshyani R., Kothakota A., Ramesh S.V., Mousavi Khaneghah A.	Research trends and emerging physical processing technologies in mitigation of pesticide residues on various food products	Environmental Science and Pollution Research					4.223	10.1007/s11356-022-20338-3

716	Prabakaran R., Sivalingam V., Kim S.C., Ganesh Kumar P., Praveen Kumar G.	Future refrigerants with low global warming potential for residential air conditioning system: a thermodynamic analysis and MCDM tool optimization	Environmental Science and Pollution Research					4.223	10.1007/s11356-022- 21263-1
717	Rahul M.T., Chacko S.K., Raneesh B., Philip K.A., Kalarikkal N., Rouxel D., Munirathinam P., Chandrasekhar A.	Hydrated metal salt and Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> -Na <sub>0.5</sub> K <sub>0.5</sub> NbO <sub>3</sub> - incorporated P(VDF-HFP) films: a promising combination of materials with multiferroic and energy harvesting properties	Journal of Materials Science					4.220	10.1007/s10853-022- 07142-7

718	Sarkar S., Mukherjee D., Harini R., Nagaraju G.	Ionic liquid- assisted synthesis of tri- functional ruthenium oxide nanoplatelets for electrochemical energy applications	Journal of Materials Science					4.220	10.1007/s10853-022- 07120-z
719	Kapoor L., Simkin A.J., George Priya Doss C., Siva R.	Fruit ripening: dynamics and integrated analysis of carotenoids and anthocyanins	BMC Plant Biology	22	1			4.215	10.1186/s12870-021- 03411-w
720	Shah U.J., Alsulimani A., Ahmad F., Mathkor D.M., Alsaieedi A., Harakeh S., Nasiruddin M., Haque S.	Bioplatfoms in liquid biopsy: advances in the techniques for isolation, characterization and clinical applications	Biotechnology and Genetic Engineering Reviews					4.2	10.1080/02648725.20 22.2108994
721	Dhara S., Mohapatra S.R., Biroju R.K.	Fast UV photoresponse from Aluminum doped zinc oxysulphide composite nanowires by efficient charge- exchange interactions	Journal of Luminescence	251				4.171	10.1016/j.jlumin.2022 .119138

722	Doshi S., Kashyap G., Tiwari N.	Thermo-hydraulic and entropy generation investigation of nano-encapsulated phase change material (NEPCM) slurry in hybrid wavy microchannel	International Journal of Numerical Methods for Heat and Fluid Flow					4.170	10.1108/HFF-06-2021-0422
723	Ganesan N., Sahoo B.B., Ekambaram P., Elumalai P.V., Samuel O.D., Enweremadu C.C., Afzal A., Saleel C.A.	Experimental based comparative exergy analysis of a spark-ignition Honda GX270 Genset engine fueled with LPG and syngas	Energy Science and Engineering					4.170	10.1002/ese3.1125
724	Sharma J., Soni S., Paliwal P., Saboor S., Chaurasiya P.K., Sharifpur M., Khalilpoor N., Afzal A.	A novel long term solar photovoltaic power forecasting approach using LSTM with Nadam optimizer: A case study of India	Energy Science and Engineering					4.170	10.1002/ese3.1178

725	Praveenkumar K., Swaroop S., Manivasagam G.	Effect of multiple laser peening on microstructural, fatigue and fretting-wear behaviour of austenitic stainless steel	Surface and Coatings Technology	443				4.158	10.1016/j.surfcoat.2022.128611
726	Aicevarya Devi S., Felix A., Narayanamoorthy S., Ahmadian A., Balaenu D., Kang D.	An intuitionistic fuzzy decision support system for COVID-19 lockdown relaxation protocols in India	Computers and Electrical Engineering	102				4.152	10.1016/j.compeleceng.2022.108166
727	Megala G., Swarnalatha P.	Efficient high-end video data privacy preservation with integrity verification in cloud storage	Computers and Electrical Engineering	102				4.152	10.1016/j.compeleceng.2022.108226
728	Dhanabalan S.S., R S., Madurakavi K., Thirumurugan A., M R., Avaninathan S.R., Carrasco M.F.	Flexible compact system for wearable health monitoring applications	Computers and Electrical Engineering	102				4.152	10.1016/j.compeleceng.2022.108130

729	Khan A.A., Laghari A.A., Gadekallu T.R., Shaikh Z.A., Javed A.R., Rashid M., Estrela V.V., Mikhaylov A.	A drone-based data management and optimization using metaheuristic algorithms and blockchain smart contracts in a secure fog environment	Computers and Electrical Engineering	102				4.152	10.1016/j.compeleceng.2022.108234
730	A S., Ravi L., Kotecha K., V I., V S.	Reconfigurable and hardware efficient adaptive quantization model-based accelerator for binarized neural network	Computers and Electrical Engineering	102				4.152	10.1016/j.compeleceng.2022.108302
731	Mani V., Ghonge M.M., Chaitanya N.K., Pal O., Sharma M., Mohan S., Ahmadian A.	A new blockchain and fog computing model for blood pressure medical sensor data storage	Computers and Electrical Engineering	102				4.152	10.1016/j.compeleceng.2022.108202



732	Veeragandham S., Santhi H.	Effectiveness of convolutional layers in pre-trained models for classifying common weeds in groundnut and corn crops	Computers and Electrical Engineering	103				4.152	10.1016/j.compeleceng.2022.108315
733	Joseph R.V., Mohanty A., Tyagi S., Mishra S., Satapathy S.K., Mohanty S.N.	A hybrid deep learning framework with CNN and Bi-directional LSTM for store item demand forecasting	Computers and Electrical Engineering	103				4.152	10.1016/j.compeleceng.2022.108358
734	Anup Kumar K., Vanmathi C.	Optimization driven model and segmentation network for skin cancer detection	Computers and Electrical Engineering	103				4.152	10.1016/j.compeleceng.2022.108359

735	Jayaraj R., Polpaya K., Kunale M., Kodiveri Muthukaliannan G., Shetty S., Baxi S., Mani R.R., Paranjothy C., Purushothaman V., Kayarohanam S., Janakiraman A.K., Balaraman A.K.	Clinical Investigation of Chemotherapeutic Resistance and miRNA Expressions in Head and Neck Cancers: A Thorough PRISMA Compliant Systematic Review and Comprehensive Meta-Analysis	Genes	13	12			4.141	10.3390/genes13122325
736	Anand B., Murugavelh S., Shankar R., Phelan P.	Experimental investigation on a cooling cum desalination system using a modified mechanical heat pump [Étude expérimentale d'un système de refroidissement-dessalement utilisant une pompe à chaleur mécanique modifiée]	International Journal of Refrigeration	143		138	147	4.14	10.1016/j.ijrefrig.2022.06.025

737	Alazab M., Khan L.U., Koppu S., Ramu S.P., M I., Boobalan P., Baker T., Maddikunta P.K.R., Gadekallu T.R., Aljuhani A.	Digital Twins for Healthcare 4.0 - Recent Advances, Architecture, and Open Challenges	IEEE Consumer Electronics Magazine			1	8	4.135	10.1109/MCE.2022.3208986
738	George K., Elavarasan P., Ponnusamy S., Sathananthan K.	Facile One-Pot Synthesis of Functionalized Quinoline-Fused Fluorescent Dihydro/Spiro-quinazolinone Derivatives	ACS Omega	7	24	20605	20618	4.132	10.1021/acsomega.2c00674
739	Moharana P., Santosh G.	Organogels Fabricated from Self-Assembled Nanotubes Containing Core Substituted Perylene Diimide Derivative	ACS Omega	7	25	21932	21938	4.132	10.1021/acsomega.2c02210

740	Venugopal K., Shanmugasundaram V.	Effective Modeling and Numerical Simulation of Triboelectric Nanogenerator for Blood Pressure Measurement Based on Wrist Pulse Signal Using Comsol Multiphysics Software	ACS Omega	7	30	26863	26870	4.132	10.1021/acsomega.2c03281
741	Palajonnala Narasaiah B., Banoth P., Bustamante Dominguez A.G., Mandal B.K., Kumar C.K., Barnes C.H.W., De Los Santos Valladares L., Kollu P.	Biogenic Photo-Catalyst TiO <sub>2</sub> Nanoparticles for Remediation of Environment Pollutants	ACS Omega	7	30	26174	26189	4.132	10.1021/acsomega.2c01763
742	Umabharathi P.S., Karpagam S.	Thiazole-Formulated Azomethine Compound for Three-Way Detection of Mercury Ions in Aqueous Media and Application in Living Cells	ACS Omega	7	28	24638	24645	4.132	10.1021/acsomega.2c02473

743	Satyanarayana Acharyulu N.P., Sohan A., Banoth P., Chintalapati S., Doshi S., Reddy V., Santhosh C., Grace A.N., De Los Santos Valladares L., Kollu P.	Effect of the Graphene-Ni/NiFe <sub>2</sub> O <sub>4</sub> Composite on Bacterial Inhibition Mediated by Protein Degradation	ACS Omega	7	35	30794	30800	4.132	10.1021/acsomega.2c02064
744	Sunny A., Balapure A., Ganesan R., Thamankar R.	Room-Temperature Deep-UV Photoluminescence from Low-Dimensional Hexagonal Boron Nitride Prepared Using a Facile Synthesis	ACS Omega	7	38	33926	33933	4.132	10.1021/acsomega.2c02884
745	Pasuparth S.D., Maiti B.	[BF <sub>4</sub> -] Ionic Liquid-Catalyzed Facile, One-Pot Synthesis of Chromeno[4,3-d]pyrido[1,2-a]pyrimidin-6-ones: Evaluation of Their Photophysical Properties and Theoretical Calculations	ACS Omega					4.132	10.1021/acsomega.2c05015

746	Purushothaman P., Karpagam S.	Thiophene-Appended Benzothiazole Compounds for Ratiometric Detection of Copper and Cadmium Ions with Comparative Density Functional Theory Studies and Their Application in Real-Time Samples	ACS Omega	7	45	41361	41369	4.132	10.1021/acsomega.2c05157
747	Kuppusamy S., Deivasigamani P.	Chromophoric Ion Receptor-Decorated Porous Monolithic Polymer for the Solid-State Naked Eye Sensing of Hg(II): An Experimental and Theoretical Approach	ACS Omega	7	45	41461	41471	4.132	10.1021/acsomega.2c05239

748	Radhakrishnan J., Kareem A., Ratna S., Senthilkumar S., Biswas K.	Snowflake-like Metastable Wurtzite CuGaS <sub>2</sub> /MoS <sub>2</sub> Co mposite with Superior Electrochemical HER Activity	ACS Omega	7	48	43883	43893	4.132	10.1021/acsomega.2c 05116
749	Vasanthi Sridharan N., Mandal B.K.	Simultaneous Quantitation of Lead and Cadmium on an EDTA-Reduced Graphene Oxide- Modified Glassy Carbon Electrode	ACS Omega	7	49	45469	45480	4.132	10.1021/acsomega.2c 06080
750	Elakkiya V., Sumathi S.	Bismuth and Vanadium- Substituted Yttrium Phosphates for Cool Coating Applications	ACS Omega	7	48	44266	44277	4.132	10.1021/acsomega.2c 05748
751	Dennis Quadros J., Khan S.A., Prashanth T., Iqbal Mogul Y., Hanumanthraya R., Abbas M., Saleel C.A., Shaik S.	Heat Transfer Characteristics of Fullerene and Titania Nanotube Nanofluids under Agitated Quench Conditions	ACS Omega					4.132	10.1021/acsomega.2c 05397

752	Wang Z., Li J., Rangaiah G.P., Wu Z.	Machine learning aided multi- objective optimization and multi-criteria decision making: Framework and two applications in chemical engineering	Computers and Chemical Engineering	165				4.13	10.1016/j.compchem eng.2022.107945
753	Srinivas S., Senthil Kumar A.	High- Performance Electrocatalytic Reduction and Sensing of Hazardous Hexavalent Chromium Using a Redox-Active Binol Species- Impregnated Carbon Nanofiber- Modified Electrode	Journal of Physical Chemistry C					4.126	10.1021/acs.jpcc.2c00 317



754	Asfha D., Mishra T., Vuppu S.	Teff Grain-Based Functional Food for Prevention of Osteoporosis: Sensory Evaluation and Molecular Docking Approach	Plant Foods for Human Nutrition					4.124	10.1007/s11130-022- 01012-y
755	Sokkalingam R., Chao Z., Sivaprasad K., Muthupandi V., Jayaraj J., Ramasamy P., Eckert J., Prashanth K.G.	Additive Manufacturing of CoCrFeMnNi High-Entropy Alloy/AISI 316L Stainless Steel Bimetallic Structures	Advanced Engineering Materials					4.122	10.1002/adem.20220 0341
756	Deebak B.D., Memon F.H., Dev K., Khowaja S.A., Qureshi N.M.F.	AI-enabled privacy- preservation phrase with multi- keyword ranked searching for sustainable edge- cloud networks in the era of industrial IoT	Ad Hoc Networks	125				4.111	10.1016/j.adhoc.2021 .102740

757	Govada G.V., Sabbasani R.R.	A new outlook in oxidative transformations and coupling reactions via in situ generation of organic chloramines	Applied Organometallic Chemistry					4.105	10.1002/aoc.6518
758	Devi Priya D., Athira C.C., Mohana Roopan S.	Surface area-enhanced flower-shaped hair protein-supported palladium nanoparticles as sono-photocatalyst towards carbon-carbon bond forming reaction	Applied Organometallic Chemistry					4.105	10.1002/aoc.6655
759	Fang X., Dong J.-F., Wang Q., Feng A., Krishnan S., Shoma Suresh K., Ramalingam M.	Preparation and Biocompatibility Evaluation of Nanoscale Isoniazide-Loaded Mineralized Collagen Implants for Tuberculous Bone and Joint Repair	Journal of biomedical nanotechnology	18	1	193	201	4.099	10.1166/jbn.2022.3218

760	Wu T., Zhang Y.M., Krishnan S., Jaisankar A., Wan Y., Gong S.J., Zhou H.Z., Wang H.T., Ramalingam M., Li S.-W.	Bioactive Small Molecule Enhances Skin Burn Wound Healing and Hair Follicle Regeneration by Activating PI3K/AKT Signaling Pathway: A Preclinical Evaluation in Animal Model	Journal of biomedical nanotechnology	18	2	463	473	4.099	10.1166/jbn.2022.3251
761	Sawminathan S., Kulathu Iyer S.	Phenanthridine based rapid "turn on" fluorescent sensor for selective detection of Th4+ ion and its real-time application	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	265				4.098	10.1016/j.saa.2021.120403
762	Mohanasundaram D., Bhaskar R., Sankarganesh M., Nehru K., Gangatharan Vinoth Kumar G., Rajesh J.	A simple pyridine based fluorescent chemosensor for selective detection of copper ion	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	265				4.098	10.1016/j.saa.2021.120395

763	Srinivasan Subiksha V., Viswanathan T., David E., Prabu S., Palanisami N.	Ferrocene appended 1,8-naphthalimide chromophores: Synthesis, theoretical, the effect of phenyl substitution on aggregation-induced enhanced emission and second-order nonlinear optical studies	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	277				4.098	10.1016/j.saa.2022.12.1282
764	Shaw P., Senthilnathan R., Sankar S., Ilangovan I., Muthukaliannan G.K., Baxi S., Mani R.R., Rajagopal M., Chinnappan S., Balaraman A.K., Suresh D., Krishnan S., Gupta M., Muthusamy T., Paranjothy C., Jayaraj R.	A Clinical Investigation on the Theragnostic Effect of MicroRNA Biomarkers for Survival Outcome in Cervical Cancer: A PRISMA-P Compliant Protocol for Systematic Review and Comprehensive Meta-Analysis	Genes	13	3			4.096	10.3390/genes13030463

765	Chacko B., Roy A., Melbin Richard A., Swathy J., Avanish B.T., Madhuri W.	Bismuth modified zinc ferrites for low- temperature ceramic co-firing technology	Materials Chemistry and Physics	276				4.094	10.1016/j.matchemphys.2021.125401
766	D.S. A., Chakaravarthy R., Vizhi R.E.	Structural, optical, mechanical, dielectric and nonlinear optical studies of rubidium hydrogen oxalate dihydrate (RbC <sub>4</sub> H <sub>7</sub> O <sub>10</sub> ) single crystal	Materials Chemistry and Physics	283				4.094	10.1016/j.matchemphys.2022.125952
767	Manohar A., Vijayakanth V., Vattikuti S.V.P., Kim K.H.	A mini-review on AFe <sub>2</sub> O <sub>4</sub> (A = Zn, Mg, Mn, Co, Cu, and Ni) nanoparticles: Photocatalytic, magnetic hyperthermia and cytotoxicity study	Materials Chemistry and Physics	286				4.094	10.1016/j.matchemphys.2022.126117

768	Venkatraman S.K., Choudhary R., Krishnamurithy G., Balaji Raghavendran H.R., Murali M.R., Kamarul T., Suresh A., Abraham J., Praharaj S., Swamiappan S.	Comparative investigation on antibacterial, biological and mechanical behaviour of monticellite and diopside derived from biowaste for bone regeneration	Materials Chemistry and Physics	286				4.094	10.1016/j.matchemphys.2022.126157
769	Bhuse D.V., Bhuse V.M., Bhagat P.R.	Star-type melamine based conjugated carboxy functionalized porphyrin trimer for DSSCs: An efficient approach to clean, aggregation free and true energy generation	Materials Chemistry and Physics	287				4.094	10.1016/j.matchemphys.2022.126312

770	Manohar A., Vijayakanth V., Manivasagan P., Jang E.-S., Hari B., Gu M., Kim K.H.	Investigation on the physico- chemical properties, hyperthermia and cytotoxicity study of magnesium doped manganese ferrite nanoparticles	Materials Chemistry and Physics	287				4.094	10.1016/j.matchemphys.2022.126295
771	Marimuthu M.K., Moorthy A., Ramasamy T.	Diallyl Disulfide Attenuates STAT3 and NF- $\kappa$ B Pathway Through PPAR- $\gamma$ Activation in Cerulein-Induced Acute Pancreatitis and Associated Lung Injury in Mice	Inflammation					4.092	10.1007/s10753-021-01527-7
772	Wang W., Han Z., Alazab M., Gadekallu T.R., Zhou X., Su C.	Ultra Super Fast Authentication Protocol for Electric Vehicle Charging Using Extended Chaotic Maps	IEEE Transactions on Industry Applications			1	8	4.079	10.1109/TIA.2022.3184668

773	Kayathiri C., Balu A.R., Suganya M., Vinitha G., Delci Z., Balamurugan S., Karthika M., Anitha S., Prabavathi A.	BaZrO <sub>3</sub> perovskite – A UV light mediated Congo red dye deactivator catalyst with good optical switching and antimicrobial abilities green synthesized using Moringa oleifera leaf extract	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	278				4.051	10.1016/j.mseb.2022.115636
774	Vijatha M., Bala Anki Reddy P.	Entropy optimization on MHD flow of Williamson hybrid nanofluid with Cattaneo–Christov heat flux: a comparative study on stretching cylinder and sheet	Waves in Random and Complex Media					4.051	10.1080/17455030.2022.2094029



775	Vinodkumar Reddy M., Sucharitha G., Vajravelu K., Lakshminarayana P.	Convective flow of MHD non-Newtonian nanofluids on a chemically reacting porous sheet with Cattaneo-Christov double diffusion	Waves in Random and Complex Media					4.051	10.1080/17455030.2022.2111478
776	Sangeetha E., De P.	Gyrotactic microorganisms suspended in MHD nanofluid with activation energy and binary chemical reaction over a non-Darcian porous medium	Waves in Random and Complex Media					4.051	10.1080/17455030.2022.2112114
777	Husna Khouser G., Choukiker Y.K.	Unique 3D metamaterial split ring resonator for wireless communication with high negative refractive index and for medium ratio	Waves in Random and Complex Media					4.051	10.1080/17455030.2022.2118391

778	Thameem Basha H., Reddy S.R.R., Prasad V.R., Son K.J., Ahammad N.A., Akkurt N.	Non-similar solutions and sensitivity analysis of nano- magnetic Eyring–Powell fluid flow over a circular cylinder with nonlinear convection	Waves in Random and Complex Media					4.051	10.1080/17455030.20 22.2128466
779	Rajkumar D., Subramanyam Reddy A., Chamkha A.J.	Entropy generation of magneto hydrody- namic pulsating flow of micropolar nanofluid in a porous channel through Cattaneo–Christo v heat flux model with Brownian motion, thermophoresis and heat source/sink	Waves in Random and Complex Media					4.051	10.1080/17455030.20 22.2124467

780	Sumithra A., Sivaraj R.	Impact of exothermic chemical reaction on MHD unsteady mixed convective flow in a rectangular porous cavity filled with nanofluid	Waves in Random and Complex Media					4.051	10.1080/17455030.2022.2139014
781	Ramasekhar G., Bala Anki Reddy P.	Semi-analytical and numerical explorations on entropy optimization of EMHD in Casson hybrid nanofluid with radiation slip and convective boundary conditions	Waves in Random and Complex Media					4.051	10.1080/17455030.2022.2144656

782	Divya A., Bala Anki Reddy P.	Second law analysis on EMHD with variable viscosity and thermal conductivity of hybrid nanofluid over a rotating disk: an application in solar systems	Waves in Random and Complex Media					4.051	10.1080/17455030.2022.2152901
783	Ross N.S., Ananth M.B.J., Jafferson J.M., Rajeshkumar L., Kumar M.S.	Performance assessment of vegetable oil-based MQL in milling of additively manufactured AlSi10Mg for sustainable production	Biomass Conversion and Biorefinery					4.05	10.1007/s13399-022-02967-3
784	Samrot A.V., Preeth R.S., Prakash P., Shobana N., Rajalakshmi D., Saigeetha S., Sathiyasree M., Shree S.K.	Extraction of fibres from Cucumis melo seed coat and its application as biosorbents for the effective removal of various dyes and antibiotic	Biomass Conversion and Biorefinery					4.050	10.1007/s13399-022-03090-z

785	Sunny N.E., Kaviya A., Saravanan P., Rajeshkannan R., Rajasimman M., Kumar S.V.	In vitro and in silico molecular docking analysis of green synthesized tin oxide nanoparticles using brown algae species of Padina gymnospora and Turbinaria ornata	Biomass Conversion and Biorefinery					4.050	10.1007/s13399-022-03253-y
786	Thakur S., Das S., Das B.	Application of upflow constructed wetland microbial fuel cell for treating sewage spiked with reverse osmosis concentrate with the concomitant generation of green electricity	Biomass Conversion and Biorefinery					4.050	10.1007/s13399-022-03270-x

787	Sivamurugan P., Selvam R., Pandian M., Ashraf M.S., Chakrapani I.S., Thanikasalam A., Roshith P., Ramesh K., Ramesh B.	Extraction of novel biosilica from finger millet husk and its coconut rachilla- reinforced epoxy biocomposite: mechanical, thermal, and hydrophobic behaviour	Biomass Conversion and Biorefinery					4.05	10.1007/s13399-022- 03342-y
788	Jeevakumari S.A.A., Ramadoss R., Indhumathi K, Gnanasekar A.K.	Cocos nucifera husk biocarbon and FeSi <sub>3</sub> on EMI shielding behavior of PVA composites	Biomass Conversion and Biorefinery					4.050	10.1007/s13399-022- 03475-0
789	Babu M., Anusha N., Bapu B.R.T., Yuvaraj R.	Electromagnetic interference shielding behavior of flexible PVA composite of tunicated onion bulb biochar/Co/carb on fiber shielding composite: effects on X and Ku band frequencies	Biomass Conversion and Biorefinery					4.050	10.1007/s13399-022- 03489-8

790	Pavithiran C.K.P., Sakthivadivel D., Kumar G.P., John B., Jaganathan V.M., Iniyan S.	Energy analysis and carbon dioxide mitigation potential of biomass-driven combined power, cooling, and cooking systems for rural applications	Biomass Conversion and Biorefinery					4.05	10.1007/s13399-022- 03565-z
791	Nivash V., Sakthivadivel D.	Characterization and thermo- chemical conversion of invasive biomass by varying gasifying agents for hydrogen rich producer gas using ASPEN Plus	Biomass Conversion and Biorefinery					4.05	10.1007/s13399-022- 03654-z
792	Wagh M.S., Osborne W.J., Sivarajan S.	Bacillus xiamenensis and earthworm Eisenia fetida in bio removal of lead, nickel and cadmium: A combined bioremediation approach	Applied Soil Ecology	176				4.046	10.1016/j.apsoil.2022. 104459

793	Meenakshi L., Sen Gupta B.	Characteristics and correlations of nonaffine particle displacements in the plastic deformation of athermal amorphous materials	Soft Matter					4.046	10.1039/d2sm00702a
794	Puthillam U., Ravoor J., Elsen Selvam R., Karuppan D., Bakthavachalam B., Aseer J.R.	Physical, mechanical, and biological characterization of robocasted carbon nanotube reinforced microwave sintered calcium phosphate scaffolds for bone tissue engineering	Journal of the Mechanical Behavior of Biomedical Materials	136				4.042	10.1016/j.jmbbm.2022.105523
795	De S., Kumar S K A., Shah S.K., Kazi S., Sarkar N., Banerjee S., Dey S.	Pyridine: the scaffolds with significant clinical diversity	RSC Advances	12	24	15385	15406	4.036	10.1039/d2ra01571d



796	P. K. A., Kar B., Roy N., Paira P.	Ru(ii)arene(N <sup>^</sup> N bpy/phen)-based RAPTA complexes for in vitro anti-tumour activity in human glioblastoma cancer cell lines and in vivo toxicity studies in a zebrafish model	RSC Advances	12	29	18911	18922	4.036	10.1039/d2ra02677e
797	Sharma S A., Nee V., Kar B., Das U., Paira P.	Target-specific mononuclear and binuclear rhenium(i) tricarbonyl complexes as upcoming anticancer drugs	RSC Advances	12	31	20264	20295	4.036	10.1039/d2ra03434d
798	George K., Kannadasan S.	An expeditious synthesis of 6,7-dihydrodibenzo[b,j][4,7]phenanthroline derivatives as fluorescent materials	RSC Advances	12	42	27246	27252	4.036	10.1039/d2ra05198b

799	Han L.-N., Wang K.-Q., Ren Z.-N., Yang X., Duan X., Krishnan S., Jaisankar A., Park J.-H., Dashnyam K., Zhang W., Pedraz J.L., Ramakrishna S., Kim H.-W., Li C.-F., Song L.-H., Ramalingam M.	One-pot synthesis and enzyme-responsiveness of amphiphilic doxorubicin prodrug nanomicelles for cancer therapeutics	RSC Advances	12	43	27963	27969	4.036	10.1039/d2ra04436f
800	Enbanathan S., Munusamy S., Jothi D., Manojkumar S., Manickam S., Iyer S.K.	Zinc ion detection using a benzothiazole-based highly selective fluorescence "turn-on" chemosensor and its real-time application	RSC Advances	12	43	27839	27845	4.036	10.1039/d2ra04874d

801	Anand S., Rani M.U., Kalainathan S., Babu R.S.	Analysis of the growth and physicochemical properties of the newly developed stilbazolium derivative 4-N,N-dimethylamino-4-N-methyl stilbazolium 2-formyl benzene sulfonate (DSFS) single crystal: an effective material for nonlinear optical applications	RSC Advances	12	45	29022	29033	4.036	10.1039/d2ra05302k
802	Jothi D., Munusamy S., Manickam S., Enbanathan S., Manojkumar S., Iyer S.K.	Benzothiazole appended 2,2'-(1,4-phenylene)diacetonitrile for the colorimetric and fluorescence detection of cyanide ions	RSC Advances	12	46	30045	30050	4.036	10.1039/d2ra03702e

803	Pavithra E., Kannadasan S., Shanmugam P.	Synthesis of 5-aryl-3,3'-bis-indolyl and bis-7-aza-indolyl methanone derivatives from 5-bromo-7-azaindoles via sequential methylenation using microwave irradiation, CAN oxidation, and Suzuki coupling reactions	RSC Advances	12	47	30712	30721	4.036	10.1039/d2ra05849a
804	Sitaaraman S.R., Nirmala Grace A., Sellappan R.	Photoelectrochemical performance of a spin coated TiO <sub>2</sub> protected BiVO <sub>4</sub> -Cu <sub>2</sub> O thin film tandem cell for unassisted solar water splitting	RSC Advances	12	48	31380	31391	4.036	10.1039/d2ra05774c
805	Avanish Babu T., Madhuri W.	A hybrid microwave sintered PZT composite as a flexible piezoelectric nanogenerator	RSC Advances	12	53	34454	34462	4.036	10.1039/d2ra05570h

806	Mohamed H., Gunasekaran V., Pitchaimani J., Rajamohan V., Kotriwar G., Manickam G.	A comprehensive damping study of variable stiffness composite rectangular/skew laminates reinforcement with curvilinear fibers by higher- order shear flexible model	Mechanics of Advanced Materials and Structures					4.030	10.1080/15376494.20 22.2064014
807	Alam P., Nahid T., Al Alwan B., Saha A.	Rotating radial vibrations in human bones (femoral, mandibular and tibia) and crystals (Mg, Co, Cd, Zn and beryl) made cylindrical shell under magnetic field and hydrostatic stress	Mechanics of Advanced Materials and Structures					4.030	10.1080/15376494.20 22.2062499

808	Gunasegeran M., Edwin Sudhagar P.	Investigation of free and forced vibration of GFRP corrugated bio-inspired sandwich beam with HSDT: Numerical and experimental study	Mechanics of Advanced Materials and Structures					4.030	10.1080/15376494.2022.2081750
809	Madhana R., Mani G.	Power enhancement methods of renewable energy resources using multiport DC-DC converter: A technical review	Sustainable Computing: Informatics and Systems	35				4.028	10.1016/j.suscom.2022.100689
810	Acharjya D.P., Kiruba B G.G.	A rough set, formal concept analysis and SEM-PLS integrated approach towards sustainable wearable computing in the adoption of smartwatch	Sustainable Computing: Informatics and Systems	33				4.028	10.1016/j.suscom.2021.100647

811	Anantha Krishnan V., Senthil Kumar N.	Robust soft computing control algorithm for sustainable enhancement of renewable energy sources based microgrid: A hybrid Garra rufa fish optimization – Isolation forest approach	Sustainable Computing: Informatics and Systems	35				4.028	10.1016/j.suscom.2022.100764
812	Srinivasan E., Chandrasekhar G., Rajasekaran R.	Probing the polyphenolic flavonoid, morin as a highly efficacious inhibitor against amyloid(A4V) mutant SOD1 in fatal amyotrophic lateral sclerosis	Archives of Biochemistry and Biophysics	727				4.013	10.1016/j.abb.2022.109318
813	Sumathi A.C., Javadpour A., Pinto P., Sangaiah A.K., Zhang W., Mahmoodi Khaniabadi S.	NEWTR: a multipath routing for next hop destination in internet of things with artificial recurrent neural network (RNN)	International Journal of Machine Learning and Cybernetics					4.012	10.1007/s13042-022-01568-w

814	Harikumar G., Krishanan K.	The growing menace of drug resistant pathogens and recent strategies to overcome drug resistance: A review	Journal of King Saud University - Science	34	4			4.011	10.1016/j.jksus.2022. 101979
815	Srinivasan M.P., Punithavelan N.	Investigation of electronic polarization – AC and DC conductivities of CeO <sub>2</sub> /MnO <sub>2</sub> nanocomposite	Journal of King Saud University - Science	34	4			4.011	10.1016/j.jksus.2022. 101990
816	Manna P., Chandra A.K., Patel V.D., Gupta D., Mahata P.	Effect of Hydrogen Bonding on the Luminescence Lifetime and Device Resistance: A Case Study Based on Two New Related Cd-Based Coordination Polymers	Crystal Growth and Design					4.01	10.1021/acs.cgd.2c00 454



817	Salaimanimagudam M.P., Jayaprakash J.	Optimum selection of reinforcement, assembly, and formwork system for digital fabrication technique in construction industry – A critical review	Structures	46		725	749	4.010	10.1016/j.istruc.2022.10.094
818	Das C., Patel V.D., Gupta D., Mahata P.	Cd-Based Coordination Polymer Using a Bioinspired Ligand: Studies Toward Turn-On Luminescence-Based Sensing and Schottky Diode Behavior through Device Fabrication	Crystal Growth and Design	22	12	7050	7061	4.01	10.1021/acs.cgd.2c00701
819	Thirunavukkarasu M., Sawle Y.	An Examination of the Techno-Economic Viability of Hybrid Grid-Integrated and Stand-Alone Generation Systems for an Indian Tea Plant	Frontiers in Energy Research	10				4.008	10.3389/fenrg.2022.806870

820	Chakraborty S., Dash S.K., Elavarasan R.M., Kaur A., Elangovan D., Meraj S.T., Kasinathan P., Said Z.	Hydrogen Energy as Future of Sustainable Mobility	Frontiers in Energy Research	10				4.008	10.3389/fenrg.2022.8 93475
821	Carmel Jeeva Mary B., Vijaya J.J., Saravanakumar B., Bououdina M., Kennedy L.J.	NiFe <sub>2</sub> O <sub>4</sub> and 2D- rGO decorated with NiFe <sub>2</sub> O <sub>4</sub> nanoparticles as highly efficient electrodes for supercapacitors	Synthetic Metals	291				4	10.1016/j.synthmet.2 022.117201
822	Anand S., Muniyappan S., Racik K.M., Manikandan A., Mani D., Nandhini S., Karuppasamy P., Pandian M.S., Ramasamy P., Chandar N.K.	Fabrication of binary to quaternary PVDF based flexible composite films and ultrathin sandwich structured quaternary PVDF/CB/g- C <sub>3</sub> N <sub>4</sub> /BaFe <sub>11.5</sub> Al 0.5O <sub>19</sub> composite films for efficient EMI shielding performance	Synthetic Metals	291				4	10.1016/j.synthmet.2 022.117199

823	Yadav P.V.K., Ajitha B., Ahmed C.M.A., Reddy Y.A.K., Minnam Reddy V.R.	Superior UV photodetector performance of TiO <sub>2</sub> films using Nb doping	Journal of Physics and Chemistry of Solids	160				3.995	10.1016/j.jpcs.2021.110350
824	Viveka S.S., Logu T., Ahsan N., Asokan K., Kalainathan S., Sethuraman K., Okada Y.	Study of sub-band states formation in the optical band gap of CuGaS <sub>2</sub> thin films by electronic excitations	Journal of Physics and Chemistry of Solids	164				3.995	10.1016/j.jpcs.2022.110636
825	Amalathi P., Vijaya J.J., Kennedy L.J., Mustafa A., Bououdina M.	Magnetically recoverable Nd <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> polygonal-shaped perovskite nanophotocatalysts for efficient visible-light degradation of methylene blue and tetracycline	Journal of Physics and Chemistry of Solids	169				3.995	10.1016/j.jpcs.2022.110860

826	Radhakrishnan M., Ramamurthy K.	Efficacy and Challenges in the Treatment of Diastasis Recti Abdominis—A Scoping Review on the Current Trends and Future Perspectives	Diagnostics	12	9			3.992	10.3390/diagnostics1 2092044
827	Ramamurthy K., George T.T., Shah Y., Sasidhar P.	A Novel Multi- Feature Fusion Method for Classification of Gastrointestinal Diseases Using Endoscopy Images	Diagnostics	12	10			3.992	10.3390/diagnostics1 2102316
828	Joshi K., Suganthi K.	Anterior Cruciate Ligament Tear Detection Based on Deep Convolutional Neural Network	Diagnostics	12	10			3.992	10.3390/diagnostics1 2102314
829	Panchal N.K., Evan Prince S.	The NEK family of serine/threonine kinases as a biomarker for cancer	Clinical and Experimental Medicine					3.984	10.1007/s10238-021- 00782-0

830	Jagadeesan D., Sompalli N.K., Mohan A.M., Rao C.V.S.B., Nagarajan S., Deivasigamani P.	ZrO <sub>2</sub> -Ag <sub>2</sub> O nanocomposites encrusted porous polymer monoliths as high-performance visible light photocatalysts for the fast degradation of pharmaceutical pollutants	Photochemical and Photobiological Sciences					3.982	10.1007/s43630-022-00218-y
831	Rajesh K., Ghosh S., Islam A., Rangaswamy M.K., Haldar S., Roy P., Keshri A.K., Lahiri D.	Multilayered porous hydroxyapatite coating on Ti6Al4V implant with enhanced drug delivery and antimicrobial properties	Journal of Drug Delivery Science and Technology	70				3.981	10.1016/j.jddst.2022.103155
832	Roy S.M., Barman S., Basu A., Ghatak T., Pore S.K., Ghosh S.K., Mukherjee R., Maity A.R.	Amine as a bottom-line functionality on DDS surface for efficient endosomal escape and further subcellular targets	Journal of Drug Delivery Science and Technology	71				3.981	10.1016/j.jddst.2022.103303

833	Nissa M.U., Pinto N., Varshnay A., Goswami M., Srivastava S.	Ecological Monitoring and Omics: A Comprehensive Comparison of Workflows for Mass Spectrometry-Based Quantitative Proteomics of Fish ( <i>Labeo rohita</i> ) Liver Tissue	Omics : a journal of integrative biology	26	9	489	503	3.978	10.1089/omi.2022.0086
834	Regmi S., Li Z., Kc S., Mahat R., Rastogi A., Datta R., Gupta A.	Structural and magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> thin films grown on isostructural lattice-matched substrates	Applied Physics Letters	121	10			3.971	10.1063/5.0107242

835	Sekaran K., Polachirakkal Varghese R., Gnanasambandan R., Karthik G., Ramya I., George Priya Doss C.	Molecular modeling of C1- inhibitor as SARS- CoV-2 target identified from the immune signatures of multiple tissues: An integrated bioinformatics study	Cell Biochemistry and Function					3.963	10.1002/cbf.3769
836	Srividya J., Sivamadhavi V., Vinitha G., Anbalagan G.	Crystal structure, molecular structural analysis, optical absorption and thermal analysis of 2-amino-6- methyl pyridine- 1-ium 2-carboxy- 6-nitro benzoate – A third harmonic nonlinear optical organic single crystal	Chinese Journal of Physics	78		409	434	3.957	10.1016/j.cjph.2022.0 7.004

837	Arunprakash R., Manikandan M., Meshram S.D.	Development of Multipass Gas Tungsten Arc Welding Technique for Aerospace Grade 18% Ni-Co-Mo Based Maraging Steel to Improve the Metallurgical and Mechanical Properties by Reducing Austenite Pools	Journal of Manufacturing Science and Engineering	144	11			3.952	10.1115/1.4054720
838	Gnanasekar S., Rajamohan V.	Numerical and Experimental Investigations on Nonlinear Buckling Response of a Laminated Composite Shell	International Journal of Applied Mechanics	14	7			3.951	10.1142/S175882512 2500788
839	Antony A., Karuppasamy R.	Searching of Novel Herbicides for Paddy Field Weed Management—A Case Study with Acetyl-CoA Carboxylase	Agronomy	12	7			3.949	10.3390/agronomy12 071635



840	Lakshmikanthan D., Chandrasekaran N.	Humic Acid Alleviates the Toxicity of Nanoplastics towards Solanum lycopersicum	Agronomy	12	11			3.949	10.3390/agronomy12112787
841	Aishwarya K., Maruthasalamoorthy S., Mani J., Anbalagan G., Nirmala R., Navaneethan M., Navamathavan R.	Structural formation of multifunctional NiMoO <sub>4</sub> nanorods for thermoelectric applications	Physical Chemistry Chemical Physics					3.945	10.1039/d2cp04057c
842	Sarkar P., Thirumoorthy K., Anoop A., Thimmakonda V.S.	Planar pentacoordinate carbon in [XC <sub>7</sub> H <sub>2</sub> ] <sup>2+</sup> (X = Be and Mg) and its derivatives	Physical Chemistry Chemical Physics	24	45	27606	27611	3.945	10.1039/d2cp03299f
843	Nwokoye C.H., Madhusudanan V., Srinivas M.N., Mbeledogu N.N.	Modeling time delay, external noise and multiple malware infections in wireless sensor networks	Egyptian Informatics Journal					3.943	10.1016/j.eij.2022.02.002

844	Haddad N.E., Choukri H., Ghanem M.E., Smouni A., Mentag R., Rajendran K., Hejjaoui K., Maalouf F., Kumar S.	High- temperature and drought stress effects on growth, yield and nutritional quality with transpiration response to vapor pressure deficit in lentil	Plants	11	1			3.935	10.3390/plants11010 095
845	Pandiyan S., Navaneethan C., Vijayan R., Gunasekaran G., Khan K.Y., Guo Y.	Evaluation of drought using satellite solar- induced chlorophyll fluorescence during crop development stage over Xinjiang, China	Measurement: Journal of the International Measurement Confederation	187				3.927	10.1016/j.measureme nt.2021.110327
846	Naveen Venkatesh S., Sugumaran V.	Machine vision based fault diagnosis of photovoltaic modules using lazy learning approach	Measurement: Journal of the International Measurement Confederation	191				3.927	10.1016/j.measureme nt.2022.110786
847	Ramesh M., Kesavan T., Biswas K.	Observance of enhanced specific capacity in quenched Cr doped CuFeO <sub>2</sub>	Materials Science in Semiconductor Processing	139				3.927	10.1016/j.mssp.2021. 106372

848	Hemamalini V., Anand L., Nachiyappan S., Geeitha S., Ramana Motupalli V., Kumar R., Ahilan A., Rajesh M.	Integrating bio medical sensors in detecting hidden signatures of COVID-19 with Artificial intelligence	Measurement: Journal of the International Measurement Confederation	194				3.927	10.1016/j.measureme nt.2022.111054
849	Lakshmanan A., Alex Z.C., Meher S.R.	Cu2O thin films grown by magnetron sputtering as solar cell absorber layers	Materials Science in Semiconductor Processing	148				3.927	10.1016/j.mssp.2022. 106818
850	UshaVipinachandra n V., Rajendran S., Ali H., Ashokan I., Bhunias S.K.	Citrate capped silver nanoparticles as an instantaneous colorimetric selective sensor for neomycin and thiamine in wastewater	New Journal of Chemistry	46	29	14081	14090	3.925	10.1039/d2nj02174a
851	Ramesh M., Biswas K.	Inducing oxide ion vacancies in Sr2CoSbO6 as a strategy to decouple power factor and thermal conductivity	New Journal of Chemistry	46	37	17678	17681	3.925	10.1039/d2nj03676b

852	Raj S., Jayaraj R., Kodiveri Muthukaliannan G.	Chemical Profiling and Evaluation of Antioxidant and Anticancer Potential of Tuber Crop <i>Amorphophallus commutatus</i> var. <i>wayanadensis</i>	Plant Foods for Human Nutrition					3.921	10.1007/s11130-021-00942-3
853	Chavda V.P., Vuppu S., Mishra T., Kamaraj S., Patel A.B., Sharma N., Chen Z.-S.	Recent review of COVID-19 management: diagnosis, treatment and vaccination	Pharmacological Reports					3.919	10.1007/s43440-022-00425-5
854	Shaik J., Polu B.A.R., Mohamed Ahmed M., Ahmed Mohamed R.	Characteristics of moving hot block and non-Fourier heat flux model on sinusoidal wavy cavity filled with hybrid nanofluid	European Physical Journal Plus	137	1			3.911	10.1140/epjp/s13360-022-02361-y
855	Gowrisankar A., Priyanka T.M.C., Banerjee S.	Omicron: a mysterious variant of concern	European Physical Journal Plus	137	1			3.911	10.1140/epjp/s13360-021-02321-y

856	Bal D.K., Chandan M.R., Taneja R., Tiwari R.R., Saboor S., Mishra D., Ghosh A., Shaik A.H.	Biocompatible polymer-capped oxidation-resistant copper nanoparticles for nanofluid and hydrogel applications	European Physical Journal Plus	137	1			3.911	10.1140/epjp/s13360-021-02280-4
857	Devi N.R., Moolya S., Öztop H.F., Abu-Hamdeh N., Padmanathan P., Satheesh A.	A review on ferrofluids with the effect of MHD and entropy generation due to convective heat transfer	European Physical Journal Plus	137	4			3.911	10.1140/epjp/s13360-022-02616-8
858	Pradeep S.S., Gummadi S.N., Selvaraj T.	Living mortars-simulation study on organic lime mortar used in heritage structures	European Physical Journal Plus	137	4			3.911	10.1140/epjp/s13360-022-02635-5
859	Sakthivel R., Harshavarthini S., Mohanapriya S., Kwon O.	Disturbance rejection based tracking control design for fuzzy switched systems with time-varying delays and disturbances	International Journal of Robust and Nonlinear Control					3.897	10.1002/rnc.6419

860	Aggarwal S., Goyal J.K., Ghosh S., Kamal S.	$H_{\infty}$ performance of multi-agent consensus with output feedback and saturated input	International Journal of Robust and Nonlinear Control					3.897	10.1002/rnc.6491
861	Song J., Wang W., Gadekallu T.R., Cao J., Liu Y.	EPPDA: An Efficient Privacy-Preserving Data Aggregation Federated Learning Scheme	IEEE Transactions on Network Science and Engineering					3.894	10.1109/TNSE.2022.3153519
862	Cui Y., Song X., Liu J., Chen K., Shi G., Zhou J., Gs T.	AACF - Accessible Application-Centric Framework for the Internet of Things Backhauled Smart City Applications	IEEE Transactions on Network Science and Engineering	9	3	980	989	3.894	10.1109/TNSE.2021.3099579
863	Dash S.K., Chakraborty S., Roccotelli M., Sahu U.K.	Hydrogen Fuel for Future Mobility: Challenges and Future Aspects	Sustainability (Switzerland)	14	14			3.889	10.3390/su14148285

864	Arumugam S., Kandasamy J., Thiyaku T., Saxena P.	Effect of Low Concentration of SiO <sub>2</sub> Nanoparticles on Grape Seed Essential Oil/PBAT Composite Films for Sustainable Food Packaging Application	Sustainability (Switzerland)	14	13			3.889	10.3390/su14138073
865	Pon Pavithiran C.K., Kumaresan G., Abraham R., Santosh R., Velraj R.	Effect of Teflon- Coated PVDF Membrane on the Performance of a Solar- Powered Direct Contact Membrane Distillation System	Sustainability (Switzerland)	14	11			3.889	10.3390/su14116895
866	Lakshmana K., Subramani N., Alotaibi Y., Alghamdi S., Khalafand O.I., Nanda A.K.	Improved Metaheuristic- Driven Energy- Aware Cluster- Based Routing Scheme for IoT- Assisted Wireless Sensor Networks	Sustainability (Switzerland)	14	13			3.889	10.3390/su14137712

867	Shekhar S.K.	Social Marketing Plan to Decrease the COVID-19 Vaccine Hesitancy among Senior Citizens in Rural India	Sustainability (Switzerland)	14	13			3.889	10.3390/su14137561
868	Tensingh J.A.S., Shankar V.	Sustainable Production of Biodiesel Using UV Mutagenesis as a Strategy to Enhance the Lipid Productivity in R. mucilaginoso	Sustainability (Switzerland)	14	15			3.889	10.3390/su14159079
869	Kumar A., Rajagopal K., Gugapriya G., Sharma H., Gour N., Masud M., AlZain M.A., Alajmani S.H.	Reducing PAPR with Low Complexity Filtered NOMA Using Novel Algorithm	Sustainability (Switzerland)	14	15			3.889	10.3390/su14159631
870	Cuce P.M., Cuce E., Alshahrani S., Saboor S., Sen H., Veza I., Saleel C.A.	Performance Evaluation of Solar Chimney Power Plants with Bayburt Stone and Basalt on the Ground as Natural Energy Storage Material	Sustainability (Switzerland)	14	17			3.889	10.3390/su141710960



871	Chakraborty S., Elangovan D., Govindarajan P.L., ELnaggar M.F., Alrashed M.M., Kamel S.	A Comprehensive Review of Path Planning for Agricultural Ground Robots	Sustainability (Switzerland)	14	15			3.889	10.3390/su14159156
872	Manikandan S., Kaliyaperumal G., Hakak S., Gadekallu T.R.	Curve-Aware Model Predictive Control (C-MPC) Trajectory Tracking for Automated Guided Vehicle (AGV) over On- Road, In-Door, and Agricultural- Land	Sustainability (Switzerland)	14	19			3.889	10.3390/su14191202 1
873	Gade C.R., Razia Sultana W.	Control of Permanent Magnet Synchronous Motor Using MPC–MTPA Control for Deployment in Electric Tractor	Sustainability (Switzerland)	14	19			3.889	10.3390/su14191242 8
874	Manavalla S., Chaudhary A., Panchal S.H., Ismail S., M F., Khan T.M.Y., Javed S., Ali M.A.	Exergy Analysis of a CI Engine Operating on Ternary Biodiesel Blends	Sustainability (Switzerland)	14	19			3.889	10.3390/su14191235 0

875	Krishnan S.R., Nallakaruppan M.K., Chengoden R., Koppu S., Iyapparaja M., Sadhasivam J., Sethuraman S.	Smart Water Resource Management Using Artificial Intelligence—A Review	Sustainability (Switzerland)	14	20			3.889	10.3390/su14201338 4
876	Pandya S., Gadekallu T.R., Maddikunta P.K.R., Sharma R.	A Study of the Impacts of Air Pollution on the Agricultural Community and Yield Crops (Indian Context)	Sustainability (Switzerland)	14	20			3.889	10.3390/su14201309 8
877	Kumaravelu V.B., Imoize A.L., Soria F.R.C., Velmurugan P.G.S., Thiruvengadam S.J., Murugadass A., Gudla V.V.	Outage Probability Analysis and Transmit Power Optimization for Blind- Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access Uplink	Sustainability (Switzerland)	14	20			3.889	10.3390/su14201318 8
878	Sahu P.R., Lenka R.K., Khadanga R.K., Hota P.K., Panda S., Ustun T.S.	Power System Stability Improvement of FACTS Controller and PSS Design: A Time-Delay Approach	Sustainability (Switzerland)	14	21			3.889	10.3390/su14211464 9

879	Nallolla C.A., Perumal V.	Optimal Design of a Hybrid Off- Grid Renewable Energy System Using Techno- Economic and Sensitivity Analysis for a Rural Remote Location	Sustainability (Switzerland)	14	22			3.889	10.3390/su14221539 3
880	Hete R.R., Mishra S.K., Dash R., Jyotheeswara Reddy K., Subburaj V., C D.	Design and Analysis of DFIG- STATCOM Coordinated P2P Grid Connected System Using RMSProp	Sustainability (Switzerland)	14	22			3.889	10.3390/su14221510 5
881	Vijayan M., Udumula R.R., Mahto T., Lokeshgupta B., Goud B.S., Kalyan C.N.S., Balachandran P.K., C D., Padmanaban S., Twala B.	Optimal PI- Controller-Based Hybrid Energy Storage System in DC Microgrid	Sustainability (Switzerland)	14	22			3.889	10.3390/su14221466 6

882	Mohamed I.S., Venkatesan E.P., Parthasarathy M., Medapati S.R., Abbas M., Cuce E., Shaik S.	Optimization of Performance and Emission Characteristics of the CI Engine Fueled with Preheated Palm Oil in Blends with Diesel Fuel	Sustainability (Switzerland)	14	23			3.889	10.3390/su14231548 7
883	Krishnan V.R., Blaabjerg F., Sangwongwanich A., Natarajan R.	Twisted Two- Step Arrangement for Maximum Power Extraction From a Partially Shaded PV Array	IEEE Journal of Photovoltaics					3.887	10.1109/JPHOTOV.20 22.3143456
884	Karunanithy K., Velusamy B.	Edge device based efficient data collection in smart health monitoring system using wireless body area network	Biomedical Signal Processing and Control	72				3.88	10.1016/j.bspc.2021.1 03280
885	Ilakiyaselvan N., Khan A.N., Shahina A.	Reconstructed phase space portraits for detecting brain diseases using deep learning	Biomedical Signal Processing and Control	71				3.88	10.1016/j.bspc.2021.1 03278

886	Malghan P.G., Kumar Hota M.	Grasshopper optimization algorithm based improved variational mode decomposition technique for muscle artifact removal in ECG using dynamic time warping	Biomedical Signal Processing and Control	73				3.880	10.1016/j.bspc.2021.103437
887	Maity A., Nair T.R., Mehta S., Prakasam P.	Automatic lung parenchyma segmentation using a deep convolutional neural network from chest X-rays	Biomedical Signal Processing and Control	73				3.880	10.1016/j.bspc.2021.103398
888	Karthik R., Vaichole T.S., Kulkarni S.K., Yadav O., Khan F.	Eff2Net: An efficient channel attention-based convolutional neural network for skin disease classification	Biomedical Signal Processing and Control	73				3.880	10.1016/j.bspc.2021.103406

889	Edwin Dhas D., Suchetha M.	Dual phase dependent RLS filtering approach for baseline wander removal in ECG signal acquisition	Biomedical Signal Processing and Control	77				3.880	10.1016/j.bspc.2022.103767
890	Selvakumar K., Vinodh Kumar E., Sailesh M., Varun M., Allan A., Biswajit N., Namrata P., Upasana S.	Realtime PPG based respiration rate estimation for remote health monitoring applications	Biomedical Signal Processing and Control	77				3.880	10.1016/j.bspc.2022.103746
891	Mundekkad D., Kameshwari G.V., Karchalkar P., Koti R.	The catalytic and ROS-scavenging activities of green synthesized, antiferromagnetic $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticle with a prismatic octahedron morphology from pomegranate rind extract	Nanotechnology	33	4			3.874	10.1088/1361-6528/ac2c45

892	Murugesan R.A., Raja K.C.N.	A comparative study on the electrochemical capacitor performance of 1T/2H hybridized phase and 2H pure phase of MoS <sub>2</sub> nanoflowers	Nanotechnology	33	3			3.874	10.1088/1361-6528/ac2e24
893	Hazra S., Sengupta S., Ratha S., Ghatak A., Raychaudhuri A.K., Ghosh B.	Piezoelectric Nanogenerators based on Lead Zirconate Titanate nanostructures: An insight into the effect of potential barrier and morphology on the output power generation	Nanotechnology	33	15			3.874	10.1088/1361-6528/ac4739
894	Sathiyam G., Dasi G., Ramasamy S.K., Kar P., Sathishkumar P., Thangaraju K., Sakthivel P.	Stilbene-containing carbazole-based fullerene derivatives as alternative electron acceptor for efficient organic solar cells	Applied Nanoscience (Switzerland)					3.869	10.1007/s13204-022-02707-z

895	Muthuraja A., Bharath D., Murugesan G., Anbuselvi D., Kalainathan S.	Nonlinear optical studies on bioperine crystals grown by vertical Bridgman technique for photonic applications	Optics and Laser Technology					3.867	10.1016/j.optlastec.2021.107639
896	Benny A.T., Arikatt S.D., Vazhappilly C.G., Kannadasan S., Thomas R., Leelabaiamma M.S.N., Radhakrishnan E.K., Shanmugam P.	Chromone, A Privileged Scaffold in Drug Discovery: Developments in the Synthesis and Bioactivity	Mini-Reviews in Medicinal Chemistry	22	7	1030	1063	3.862	10.2174/1389557521666211124141859
897	Khope S.R., Elias S.	A Novel Integrated Learning Scheme for Predictive Diagnosis of Critical Care Patient	Computers, Materials and Continua	73	2	2333	2350	3.86	10.32604/cmc.2022.029423
898	Balaji P., Sri Revathi B., Gobinathan P., Shamsudheen S., Vaiyapuri T.	Optimal IoT Based Improved Deep Learning Model for Medical Image Classification	Computers, Materials and Continua	73	2	2275	2291	3.86	10.32604/cmc.2022.028560



899	Saravanakumar T., Saravana kumar R.	Design, Validation, and Economic Behavior of a Three-Phase Interleaved Step- Up DC–DC Converter for Electric Vehicle Application	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.8 13081
900	Sitharthan R., Madurakavi K., Jacob Raglend I., Palanisamy K., Belwin Edward J., Rajesh M., Dhanabalan S.S.	Performance Enhancement of an Economically Operated DC Microgrid With a Neural Network–Based Tri-Port Converter for Rural Electrification	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.9 43257
901	Parthiban R., Ponnambalam P.	An Enhancement of the Solar Panel Efficiency: A Comprehensive Review	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.9 37155

902	Bharathidasan M., Indragandhi V.	Implementation of radial basis function network-based maximum power point tracking for a PV-fed high step-up converter	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.915730
903	Arockia Dhanraj J., Alkhaldeh R.S., Van De P., Sugumaran V., Ali N., Lakshmaiya N., Chaurasiya P.K., Priyadharsini S., Velmurugan K., Chowdhury M.S., Channumsin S., Sreesawet S., Fayaz H.	Appraising machine learning classifiers for discriminating rotor condition in 50W–12V operational wind turbine for maximizing wind energy production through feature extraction and selection process	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.925980
904	Darla R.B., Annamalai C.	A novel reliability prediction with input transients for an LLC converter	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.912710

905	Kanna R.R., Singh R.R.	A feasibility study on Balarbhita for advancing rural electrification with a solar—Micro-hydro hybrid system	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.960045
906	Shanmugam S., Sharmila A.	Multiport converters for incorporating solar photovoltaic system with battery storage: A pilot survey towards modern influences, challenges and future scenarios	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.947424
907	Vijayakumar S., Sudhakar N.	A review on unidirectional converters for on-board chargers in electric vehicle	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.1011681
908	Kondaiah V.Y., Saravanan B.	A modified deep residual network for short-term load forecasting	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.1038819

909	Madhana R., Mani G.	Design and analysis of the multi-port converter based power enhancement for an integrated power generation system using predictive energy amendment algorithm	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.1000242
910	Kumar G.V.B., Palanisamy K.	Energy management of renewable energy-based microgrid system with HESS for various operation modes	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.995034

911	A P., K S.	Optimized RNN-oriented power quality enhancement and THD reduction for micro grid integration of PV system with MLI: Crow Search-based Harris Hawks Optimization concept	Frontiers in Energy Research	10				3.858	10.3389/fenrg.2022.1038533
912	Miryala S.K., Anbarasu A., Ramaiah S.	Organ-specific host differential gene expression analysis in systemic candidiasis: A systems biology approach	Microbial Pathogenesis	169				3.848	10.1016/j.micpath.2022.105677

913	Basu S., Varghese R., Debroy R., Ramaiah S., Veeraraghavan B., Anbarasu A.	Non-steroidal anti-inflammatory drugs ketorolac and etodolac can augment the treatment against pneumococcal meningitis by targeting penicillin-binding proteins	Microbial Pathogenesis	170				3.848	10.1016/j.micpath.2022.105694
914	Dey H., Vasudevan K., Dasegowda K.R., Rambabu M., CN P., C G.P.D.	An integrated gene network analysis to decode the multi-drug resistance mechanism in Klebsiella pneumoniae	Microbial Pathogenesis	173				3.848	10.1016/j.micpath.2022.105878
915	Javed A.R., Hassan M.A., Shahzad F., Ahmed W., Singh S., Baker T., Gadekallu T.R.	Integration of Blockchain Technology and Federated Learning in Vehicular (IoT) Networks: A Comprehensive Survey	Sensors	22	12			3.847	10.3390/s22124394

916	Omar M.B., Ibrahim R., Mantri R., Chaudhary J., Selvaraj K.R., Bingi K.	Smart Grid Stability Prediction Model Using Neural Networks to Handle Missing Inputs	Sensors	22	12			3.847	10.3390/s22124342
917	Anbarasan H.S., Natarajan J.	Blockchain Based Delay and Energy Harvest Aware Healthcare Monitoring System in WBAN Environment	Sensors (Basel, Switzerland)	22	15			3.847	10.3390/s22155763
918	Padinjappurathu Gopalan S., Chowdhary C.L., Iwendi C., Farid M.A., Ramasamy L.K.	An Efficient and Privacy-Preserving Scheme for Disease Prediction in Modern Healthcare Systems	Sensors (Basel, Switzerland)	22	15			3.847	10.3390/s22155574

919	Pari D., Natarajan J.	Secure Spectrum Access, Routing, and Hybrid Beamforming in an Edge-Enabled mmWave Massive MIMO CRN-Based Internet of Connected Vehicle (IoCV) Environments	Sensors	22	15			3.847	10.3390/s22155647
920	Muthuvel S., Rajagopal S., Subramaniam S.K.	Analysis of Security Issues in Wireless Body Area Networks in Heterogeneous Networks	Sensors	22	19			3.847	10.3390/s22197588
921	Pulluri K.K., Kumar V.N.	Qualitative and Quantitative Detection of Food Adulteration Using a Smart E-Nose	Sensors	22	20			3.847	10.3390/s22207789
922	Aravind K., Maddikunta P.K.R.	Dingo Optimization Based Cluster Based Routing in Internet of Things	Sensors	22	20			3.847	10.3390/s22208064



923	Asaithambi S., Ravi L., Kotb H., Milyani A.H., Azhari A.A., Nallusamy S., Varadarajan V., Vairavasundaram S.	An Energy-Efficient and Blockchain-Integrated Software Defined Network for the Industrial Internet of Things	Sensors (Basel, Switzerland)	22	20			3.847	10.3390/s22207917
924	Rakkiyannan J., Jakkamputi L., Thangamuthu M., Patange A.D., Gnanasekaran S.	Development of Online Tool Wear-Out Detection System Using Silver–Polyester Thick Film Sensor for Low-Duty Cycle Machining Operations	Sensors	22	21			3.847	10.3390/s22218200
925	Mahapatra S., Kannan V., Seshadri S., Ravi V., Sofana Reka S.	An IoT-Based Wristband for Automatic People Tracking, Contact Tracing and Geofencing for COVID-19	Sensors	22	24			3.847	10.3390/s22249902

926	Ramasubbu K., Devi Rajeswari V.	Impairment of insulin signaling pathway PI3K/Akt/mTOR and insulin resistance induced AGEs on diabetes mellitus and neurodegenerative diseases: a perspective review	Molecular and Cellular Biochemistry					3.842	10.1007/s11010-022-04587-x
927	Murugan D., Rangasamy L.	Pooled evidence from preclinical and clinical studies for stem cell-based therapy in ARDS and COVID-19	Molecular and Cellular Biochemistry					3.842	10.1007/s11010-022-04601-2
928	Subrahmanian S., Thirumoorthy K., Singh R.R., Prasad M.	Mannich metal complex: Synthesis, reaction mechanism and computational studies	Journal of Molecular Structure	1268				3.841	10.1016/j.molstruc.2022.133625

929	Mahadevi P., Sumathi S., Metha A., Singh J.	Synthesis, spectral, antioxidant, in vitro cytotoxicity activity and thermal analysis of Schiff base metal complexes with 2,2'- Bipyridine-4,4'- dicarboxylic acid as co-ligand	Journal of Molecular Structure	1268				3.841	10.1016/j.molstruc.20 22.133669
930	Arockiaraj M., Paul D., Klavžar S., Clement J., Tigga S., Balasubramanian K.	Relativistic topological and spectral characteristics of zeolite SAS structures	Journal of Molecular Structure	1270				3.841	10.1016/j.molstruc.20 22.133854
931	Swamynayaka A., Srinivas M.S., M V.V., Khamees H.A., Madegowda M., Hegde V.N., Hegde T.A., Vinitha G.	Third-order nonlinear optical studies of Bis(4- methylbenzylam monium) tetrachloridocup rate metal- organic crystal with optical limiting behavior: Experimental and theoretical investigations	Journal of Molecular Structure	1269				3.841	10.1016/j.molstruc.20 22.133827

932	Lathabhavan R., Sudevan S.	The Impacts of Psychological Distress on Life Satisfaction and Wellbeing of the Indian General Population During the First and Second Waves of COVID-19: A Comparative Study	International Journal of Mental Health and Addiction					3.836	10.1007/s11469-021-00735-4
933	Alharthi S.S., Gomathi T., Joseph J.J., Rakshavi J., Florence J.A.K., Sudha P.N., Rajakumar G., Thiruvengadam M.	Biological activities of chitosan-salicylaldehyde schiff base assisted silver nanoparticles	Journal of King Saud University - Science	34	6			3.829	10.1016/j.jksus.2022.102177
934	Uthiram C., Punithavelan N.	Efficient magnetic and antibacterial properties of CdO/ZnO nanocomposites prepared via facile hydrothermal method	Journal of King Saud University - Science	34	6			3.829	10.1016/j.jksus.2022.102162

935	Panikar S., Nanthini A.U.R., Umapathy V.R., Sumathi Jones C., Mukherjee A., Prakash P., Farooq T.H.	Morphological, chemoprofile and soil analysis comparison of <i>Corymbia citriodora</i> (Hook.) K.D. Hill and L.A.S. Johnson along with the green synthesis of iron oxide nanoparticles	Journal of King Saud University - Science	34	5			3.829	10.1016/j.jksus.2022.102081
936	Ma Y.-K., Kavitha Williams W., Vijayakumar V., Nisar K.S., Shukla A.	Results on Atangana-Baleanu fractional semilinear neutral delay integro-differential systems in Banach space	Journal of King Saud University - Science	34	6			3.829	10.1016/j.jksus.2022.102158
937	Arora U., Vijayakumar V., Shukla A., Sajid M., Nisar K.S.	A discussion on controllability of nonlocal fractional semilinear equations of order $1 < r < 2$ with monotonic nonlinearity	Journal of King Saud University - Science	34	8			3.829	10.1016/j.jksus.2022.102295

938	Das S., Chanda K.	The Role of Nanocrystal Facets in Sustainable Organic Synthesis	ChemNanoMat					3.82	10.1002/cnma.202200375
939	Nidhya R., Kumar M., Shankar A., Mala S., Thakur S., Cheng X.	Remodeled chaotic compressive sensing scheme for secure and energy-efficient data forwarding in body-to-body network	Computers and Electrical Engineering	97				3.818	10.1016/j.compeleceng.2021.107633
940	Gadekallu T.R., Srivastava G., Liyanage M., M. I., Chowdhary C.L., Koppu S., Maddikunta P.K.R.	Hand gesture recognition based on a Harris Hawks optimized Convolution Neural Network	Computers and Electrical Engineering	100				3.818	10.1016/j.compeleceng.2022.107836
941	Rizwan M., Shabbir A., Javed A.R., Srivastava G., Gadekallu T.R., Shabir M., Hassan M.A.	Risk monitoring strategy for confidentiality of healthcare information	Computers and Electrical Engineering	100				3.818	10.1016/j.compeleceng.2022.107833

942	Sharma A., Tanwar R.S., Singh Y., Sharma A., Daudra S., Singal G., Gadekallu T.R., Pancholi S.	Heart rate and blood pressure measurement based on photoplethysmogram signal using fast Fourier transform	Computers and Electrical Engineering	101				3.818	10.1016/j.compeleceng.2022.108057
943	Sharma M.K., Dhiman N., Mishra V.N., Mishra L.N., Dhaka A., Koundal D.	Post-symptomatic detection of COVID-2019 grade based mediative fuzzy projection	Computers and Electrical Engineering	101				3.818	10.1016/j.compeleceng.2022.108028
944	Iwendi C., Mohan S., Khan S., Ibeke E., Ahmadian A., Ciano T.	Covid-19 fake news sentiment analysis	Computers and Electrical Engineering	101				3.818	10.1016/j.compeleceng.2022.107967
945	Sankaranarayanan R., Umadevi K.S., Bhavani N.P.G., Jos B.M., Haldorai A., Babu D.V.	Cluster-based attacks prevention algorithm for autonomous vehicles using machine learning algorithms	Computers and Electrical Engineering	101				3.818	10.1016/j.compeleceng.2022.108088

946	Dhanamjayulu C., Rudravaram V., Sanjeevikumar P.	Design and implementation of a novel 35-level inverter topology with reduced switch count	Electric Power Systems Research	212				3.818	10.1016/j.epsr.2022.108641
947	Prasad D., Dhanamjayulu C.	Solar PV integrated dynamic voltage restorer for enhancing the power quality under distorted grid conditions	Electric Power Systems Research	213				3.818	10.1016/j.epsr.2022.108746
948	Buchke S., Sharma M., Bora A., Relekar M., Bhanu P., Kumar J.	Mitochondria-Targeted, Nanoparticle-Based Drug-Delivery Systems: Therapeutics for Mitochondrial Disorders	Life	12	5			3.817	10.3390/life12050657



949	Keerthana M., N. K.C.	Vanadium sulfide decorated graphitic carbon nitride nanocomposite for the enhanced photocatalytic activity towards organic pollutants	Diamond and Related Materials	129				3.806	10.1016/j.diamond.2022.109353
950	Varunkumar K., Sellappan R.	Role of carbon protective layer on the photoelectrochemical performance of drop-casted CuBi2O4 photocathodes for water splitting	Diamond and Related Materials	130				3.806	10.1016/j.diamond.2022.109547
951	Kumar U.V., Saha S., Bora S.N.	Hydroelastic analysis of a coupled porous structure in finite water depth	Ocean Engineering	246				3.795	10.1016/j.oceaneng.2021.110491

952	Chadha U., Bhardwaj P., Selvaraj S.K., Arasu K., Praveena S., Pavan A., Khanna M., Singh P., Singh S., Chakravorty A., Badoni B., Banavoth M., Sonar P., Paramasivam V.	Current Trends and Future Perspectives of Nanomaterials in Food Packaging Application	Journal of Nanomaterials	2022				3.791	10.1155/2022/274541 6
953	Feroskhan M., Venugopal T., Almakayeel N.M., Khan T.M.Y., Alghamdi S., Almuflih A.S., Gobinath N.	Fundamentals, Thermophysical Properties, and Heat Transfer Characteristics of Nanorefrigerants : A Review	Journal of Nanomaterials	2022				3.791	10.1155/2022/861815 2
954	Vidhya R., Balakrishnan T., Kumar B.S., Palanisamy R., Panchal H., Angulo- Cabanillas L., Shaik S., Saleh B., Alarifi I.M.	An Experimental Study of ZrO <sub>2</sub> - CeO <sub>2</sub> Hybrid Nanofluid and Response Surface Methodology for the Prediction of Heat Transfer Performance: The New Correlations	Journal of Nanomaterials	2022				3.791	10.1155/2022/659602 8

955	Selvakumar V., Muthusamy K., Mukherjee A., S. S.F., Chelliah R., Barathikannan K., Oh D.-H., Ayyamperumal R., Karuppannan S.	Antibacterial Efficacy of Phytosynthesized Multi-Metal Oxide Nanoparticles against Drug- Resistant Foodborne Pathogens	Journal of Nanomaterials	2022				3.791	10.1155/2022/650679 6
956	Velmurugan G., Siva Shankar V., Kaliappan S., Socrates S., Sekar S., Patil P.P., Raja S., Natrayan L., Bobe K.	Effect of Aluminium Tetrahydrate Nanofiller Addition on the Mechanical and Thermal Behaviour of Luffa Fibre-Based Polyester Composites under Cryogenic Environment	Journal of Nanomaterials	2022				3.791	10.1155/2022/597053 4
957	Lanitha B., Poornima E., Sudha R., David D.B., Kannan K., Jegan R., Peroumal V., Kirubagharan R., Tsfaye M.	IoT Enabled Sustainable Automated Greenhouse Architecture with Machine Learning Module	Journal of Nanomaterials	2022				3.791	10.1155/2022/131490 3

958	Babu J.C., Kumar M.S., Jayagopal P., Sathishkumar V.E., Rajendran S., Kumar S., Karthick A., Mahseena A.M.	IoT-Based Intelligent System for Internal Crack Detection in Building Blocks	Journal of Nanomaterials	2022				3.791	10.1155/2022/3947760
959	Thilagam K., Beno A., Lakshmi M.V., Wilfred C.B., George S.M., Karthikeyan M., Peroumal V., Ramesh C., Karunakaran P.	Secure IoT Healthcare Architecture with Deep Learning-Based Access Control System	Journal of Nanomaterials	2022				3.791	10.1155/2022/2638613
960	Shaik A.H., Shaik S., Goyal S., Chandan M.R., Veza I., Buradi A., Alarifi I.M.	A Review on Environmental and Economic Impact of 2D Nanomaterials-Based Heat Transfer Fluids	Journal of Nanomaterials	2022				3.791	10.1155/2022/3443360
961	Natrayan L., Kaliappan S., Baskara Sethupathy S., Sekar S., Patil P.P., Raja S., Velmurugan G., Abdeta D.B.	Investigation on Interlaminar Shear Strength and Moisture Absorption Properties of Soybean Oil Reinforced with Aluminium Trihydrate-Filled Polyester-Based Nanocomposites	Journal of Nanomaterials	2022				3.791	10.1155/2022/7588699

962	Jasti V.D.P., Kumar G.K., Kumar M.S., Maheshwari V., Jayagopal P., Pant B., Karthick A., Muhibbullah M.	Relevant-Based Feature Ranking (RBFR) Method for Text Classification Based on Machine Learning Algorithm	Journal of Nanomaterials	2022				3.791	10.1155/2022/9238968
963	Pachiyappan J., Gnanansundaram N., Sivamani S., Sankari N.P.B.P., Senthilnathan N., Kerga G.A.	Preparation and Characterization of Magnesium Oxide Nanoparticles and Its Application for Photocatalytic Removal of Rhodamine B and Methylene Blue Dyes	Journal of Nanomaterials	2022				3.791	10.1155/2022/6484573
964	Blessie E.C., Jagnannathan S.K., Krishna B.V., David D.B., Maheswari R., Pavithra M., Raj P.A., Paramasivam S., Prasad V.R.R.	Machine Learning-Based Management of Hybrid Energy Storage Systems in e-Vehicles	Journal of Nanomaterials	2022				3.791	10.1155/2022/8270718

965	Yogeswari B., Khan I., Kumar M.S., Vijayanandam N., Devarani P.A., Anandaram H., Chaturvedi A., Misganaw W.	Role of Carbon-Based Nanomaterials in Enhancing the Performance of Energy Storage Devices: Design Small and Store Big	Journal of Nanomaterials	2022				3.791	10.1155/2022/4949916
966	Siva T., Beno A., Lanitha B., Yogalakshmi V., Manikandan M., Kumar S.S., Peroumal V., Darwin Nesakumar A., Prasad V.R.R.	Hybrid LSTM-PCA-Powered Renewable Energy-Based Battery Life Prediction and Management for IoT Applications	Journal of Nanomaterials	2022				3.791	10.1155/2022/9807511
967	Sujatha M., Priya N., Beno A., Blesslin Sheeba T., Manikandan M., Tresa I.M., Jose P.S.H., Peroumal V., Timothy S.P.	IoT and Machine Learning-Based Smart Automation System for Industry 4.0 Using Robotics and Sensors	Journal of Nanomaterials	2022				3.791	10.1155/2022/6807585

968	Hema S.K., Karmakar A., Das R.K., Srivastava P.	Simple formulation and characterization of double emulsion variant designed to carry three bioactive agents	Heliyon	8	9			3.776	10.1016/j.heliyon.202 2.e10397
969	Ramkumar G., Muthusamy R., Narayanan M., Dhanapal R., Karthik C., Shivakumar M.S., Malathi G., Kariyanna B.	Pretreatment of mosquito larvae with ultraviolet-B and nitropolycyclic aromatic hydrocarbons induces increased sensitivity to permethrin toxicity	Heliyon	8	10			3.776	10.1016/j.heliyon.202 2.e11094
970	Singh J., Mehta A.	The main Aflatoxin B1 degrading enzyme in Pseudomonas putida is thermostable lipase	Heliyon	8	10			3.776	10.1016/j.heliyon.202 2.e10809

971	Ashok Kumar A., Amutha Prabha N.	A comprehensive review of DC microgrid in market segments and control technique	Heliyon	8	11			3.776	10.1016/j.heliyon.2022.e11694
972	Karthikeyan V., Vivekanandan S.	Optimize an effective triboelectric nanogenerator surface morphology to harvest the human wrist pulse pressure: A numerical study on finite element method	Heliyon	8	12			3.776	10.1016/j.heliyon.2022.e12109
973	Sreenivasa Chakravarthi S., Jagadeesh Kannan R., Anantha Natarajan V., Gao X. Z.	Deep Learning Based Intrusion Detection in Cloud Services for Resilience Management	Computers, Materials and Continua	71	2	5117	5133	3.772	10.32604/cmc.2022.022351
974	Ganapathy G.P., Srinivasan K., Datta D., Chang C.-Y., Purohit O., Zaalishvili V., Burdzieva O.	Rainfall Forecasting Using Machine Learning Algorithms for Localized Events	Computers, Materials and Continua	71	2	6333	6350	3.772	10.32604/cmc.2022.023254



975	Gopalakrishnan T., Sudhakaran P., Ramya K.C., Sathesh Kumar K., Al-Wesabi F.N., Alohal M.A., Hilal A.M.	An automated deep learning based muscular dystrophy detection and classification model	Computers, Materials and Continua	71	1	305	320	3.772	10.32604/cmc.2022.0 20914
976	Pamela J.S., Saranya R., Indragandhi V., Singh R.R., Subramaniaswamy V., Teekaraman Y., Urooj S., Alwadai N.	2D Finite element analysis of asynchronous machine influenced under power quality perturbations	Computers, Materials and Continua	70	3	5745	5763	3.772	10.32604/cmc.2022.0 20093
977	Kothandaraman D., Balasundaram A., Dhanalakshmi R., Sivaraman A.K., Ashokkumar S., Vincent R., Rajesh M.	Energy and bandwidth based link stability routing algorithm for IoT	Computers, Materials and Continua	70	2	3876	3890	3.772	10.32604/cmc.2022.0 20744
978	Iyapparaja M., Alshammari N.K., Kumar M.S., Krishnan S.S.R., Chowdhary C.L.	Efficient resource allocation in fog computing using QTCS model	Computers, Materials and Continua	70	2	2225	2239	3.772	10.32604/cmc.2022.0 15707
979	Thamizhazhagan P., Sujatha M., Umadevi S., Priyadarshini K., Parvathy V.S., Pustokhina I.V., Pustokhin D.A.	AI based traffic flow prediction model for connected and autonomous electric vehicles	Computers, Materials and Continua	70	2	3333	3347	3.772	10.32604/cmc.2022.0 20197

980	Bharathidasan M., Indragandhi V., Kuppusamy R., Teekaraman Y., Urooj S., Alwadi N.	Intelligent fuzzy based high gain non-isolated converter for dc micro-grids	Computers, Materials and Continua	71	2	4069	4084	3.772	10.32604/cmc.2022.0 21846
981	Nishath S., Darisini P.S.N.	An Adaptive Classifier Based Approach for Crowd Anomaly Detection	Computers, Materials and Continua	72	1	349	364	3.772	10.32604/cmc.2022.0 23935
982	Karthik S., Bhadoria R.S., Lee J.G., Sivaraman A.K., Samanta S., Balasundaram A., Chaurasia B.K., Ashokkumar S.	Prognostic Kalman Filter Based Bayesian Learning Model for Data Accuracy Prediction	Computers, Materials and Continua	72	1	243	259	3.772	10.32604/cmc.2022.0 23864
983	Benny A.T., Rathinam P., Dev S., Mathew B., Radhakrishnan E.	Perillaldehyde mitigates virulence factors and biofilm formation of Pseudomonas aeruginosa clinical isolates, by acting on the quorum sensing mechanism in vitro	Journal of Applied Microbiology					3.772	10.1111/jam.15565

984	Arunachalam P., Janakiraman N., Rashid J., Kim J., Samanta S., Naseem U., Sivaraman A.K., Balasundaram A.	Effective Classification of Synovial Sarcoma Cancer Using Structure Features and Support Vectors	Computers, Materials and Continua	72	2	2521	2543	3.772	10.32604/cmc.2022.0 25339
985	Paliwal S., Mishra A.K., Mishra R.K., Nawaz N., Senthilkumar M.	XGBRS Framework Integrated with Word2Vec Sentiment Analysis for Augmented Drug Recommendatio n	Computers, Materials and Continua	72	3	5345	5362	3.772	10.32604/cmc.2022.0 25858
986	Kumar M.S., Khan M.Z., Rajendran S., Noor A., Dass A.S., Prabhu J.	Imbalanced Classification in Diabetics Using Ensembled Machine Learning	Computers, Materials and Continua	72	3	4397	4409	3.772	10.32604/cmc.2022.0 25865
987	Thiyagarajan K., Rajini G.K., Maji D.	Fully printed MWCNT strain sensor over paper substrate for human motion monitoring	Flexible and Printed Electronics	7	4			3.768	10.1088/2058- 8585/ac9488
988	Kameshwari A.V.S., Balakrishnan S.	Noisy quantum Stackelberg–Bert rand duopoly game	European Physical Journal Plus	137	7			3.758	10.1140/epjp/s13360- 022-02958-3

989	Zhang X., Zhang Z., Chidambaram N., Jaganathan S., Devadoss N., Ravi V.	On degree and distance-based topological indices of certain interconnection networks	European Physical Journal Plus	137	7			3.758	10.1140/epjp/s13360-022-03010-0
990	Nancy A., Balakrishnan S.	Concatenation of deleting machines	European Physical Journal Plus	137	10			3.758	10.1140/epjp/s13360-022-03366-3
991	Parthiban S., Prasad V.R.	Magneto-convective Al <sub>2</sub> O <sub>3</sub> /Cu–Water hybrid nanofluid flow in a heated enclosure containing non-Darcy porous medium: lattice Boltzmann simulation	European Physical Journal Plus	137	9			3.758	10.1140/epjp/s13360-022-03266-6
992	Sumithra A., Sivaraj R.	Chemically reactive magnetohydrodynamic mixed convective nanofluid flow inside a square porous enclosure with viscous dissipation and Ohmic heating	European Physical Journal Plus	137	10			3.758	10.1140/epjp/s13360-022-03409-9

993	Das E., Paul P., Kar T.K.	Transient indicator of exploited communities at equilibrium in generalist predator-prey models	European Physical Journal Plus	137	11			3.758	10.1140/epjp/s13360-022-03429-5
994	Bibi M., Abbasi W.A., Aziz W., Khalil S., Uddin M., Iwendi C., Gadekallu T.R.	A novel unsupervised ensemble framework using concept-based linguistic methods and machine learning for twitter sentiment analysis	Pattern Recognition Letters	158		80	86	3.756	10.1016/j.patrec.2022.04.004
995	Azad H.K., Deepak A., Chakraborty C., Abhishek K.	Improving query expansion using pseudo-relevant web knowledge for information retrieval	Pattern Recognition Letters	158		148	156	3.756	10.1016/j.patrec.2022.04.013
996	Binish B., Rahulan K.M., Hegde T.A., Vinitha G., Laskar J.M.	Enhanced third order non-linear optical characteristics of Ba <sup>2+</sup> doped CoMoO <sub>4</sub> nanostructures	Optical Materials	131				3.754	10.1016/j.optmat.2022.112694

997	Ramasubbu V., Ram Kumar P., Chellapandi T., Madhumitha G., Mothi E.M., Shajan X.S.	Zn(II) porphyrin sensitized (TiO <sub>2</sub> @Cd-MOF) nanocomposite aerogel as novel photocatalyst for the effective degradation of methyl orange (MO) dye	Optical Materials					3.754	10.1016/j.optmat.2022.112558
998	Jothi D., Munusamy S., Enbanathan S., Manoj Kumar S., Iyer S.K.	Dibenzothiazole appended 4-hydroxyphenyl acrylonitrile as a highly selective visual and fluorimetric detection of cyanide ion	Optical Materials	133				3.754	10.1016/j.optmat.2022.112888
999	Divya P., Annie Sujatha R., Angeline Little Flower N., Vinitha G., Rahulan K.M.	Third order nonlinear optical absorption studies of Cr <sup>3+</sup> doped PbWO <sub>4</sub> nanostructures	Optical Materials	134				3.754	10.1016/j.optmat.2022.113102

1000	Vadhel K.V., Joshi J.H., Kochuparampil A.P., Kalainathan S., Joshi M.J., Jethva H.O.	The influence of L-ornithine monohydrochloride on growth and various properties of ammonium dihydrogen phosphate crystals	Optical Materials	134				3.754	10.1016/j.optmat.2022.113136
1001	Soangra R., Sivakumar R., Anirudh E.R., Reddy S.V.Y., John E.B.	Evaluation of surgical skill using machine learning with optimal wearable sensor locations	PLoS ONE	17	06-Jun			3.752	10.1371/journal.pone.0267936
1002	Sivakumar R., Angayarkanni S.A., Ramana Rao Y.V., Sadiq A.S.	Traffic flow forecasting using natural selection based hybrid Bald Eagle Search - Grey Wolf optimization algorithm	PLoS ONE	17	09-Sep			3.752	10.1371/journal.pone.0275104

1003	R S., S A A., Y V R.R., Sadiq A.S.	Traffic flow forecasting using natural selection based hybrid Bald Eagle Search-Grey Wolf optimization algorithm	PloS one	17	9	e0275104		3.752	10.1371/journal.pone.0275104
1004	Mukhopadhyay S., Mukhopadhyay A.	Surface wave and thermocapillary instabilities on flowing film under the sway of Hall viscosity	Physica D: Nonlinear Phenomena	439				3.751	10.1016/j.physd.2022.133404
1005	Arumugam S., Kandasamy J., Venkatesan S., Murugan R., Narayanan V.L., Sultan M.T.H., Shahar F.S., Shah A.U.M., Khan T., Sebaey T.A.	A Review on the Effect of Fabric Reinforcement on Strength Enhancement of Natural Fiber Composites	Materials	15	9			3.748	10.3390/ma15093025



1006	Patil A., Jebaseelan D.	3-D Surface Morphological Characterization of CAD/CAM Milled Dental Zirconia: An In Vitro Study of the Effect of Post-Fabrication Processes	Materials	15	13			3.748	10.3390/ma15134685
1007	Swaminathan P., Karthikeyan K., Subbaram S.R., Sudharsan J.S., Abid S.R., Murali G., Vatin N.I.	Experimental and Statistical Investigation to Evaluate Impact Strength Variability and Reliability of Preplaced Aggregate Concrete Containing Crumped Rubber and Fibres	Materials	15	15			3.748	10.3390/ma15155156

1008	Jayaseelan J., Pazhani A., Michael A.X., Paulchamy J., Batako A., Hosamane Guruswamy P.K.	Characterization Studies on Graphene- Aluminium Nano Composites for Aerospace Launch Vehicle External Fuel Tank Structural Application	Materials	15	17			3.748	10.3390/ma15175907
1009	Mohanty S., Jamal N., Das A.K., Prashanth K.G.	Electroless Ni-P- MoS <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Composite Coating with Hard and Self- Lubricating Properties	Materials	15	19			3.748	10.3390/ma15196806
1010	Rajendran R., Dondapati S.	Insights of Microstructural Features and Their Effect on Degradation and the In Vitro Bioactivity Response of as- Cast Mg-Sn Alloys for Orthopedic Implant Applications	Materials	15	18			3.748	10.3390/ma15186327

1011	Venkit H., Selvaraj S.K.	Novel Technique for Design and Manufacture of Alternating Gradient Composite Structure of Aluminum Alloys Using Solid State Additive Manufacturing Technique	Materials	15	20			3.748	10.3390/ma15207369
1012	Shyma A.P., Sellappan R.	Computational Probing of Tin-Based Lead-Free Perovskite Solar Cells: Effects of Absorber Parameters and Various Electron Transport Layer Materials on Device Performance	Materials	15	21			3.748	10.3390/ma15217859
1013	Prasad B.H., Madhusudhan Reddy G., Das A.K., Prashanth K.G.	Fiber Laser Welded Cobalt Super Alloy L605: Optimization of Weldability Characteristics	Materials	15	21			3.748	10.3390/ma15217708

1014	Esakkimuthu M., Jothinayagam I., Arumugam K., Pravin S.C., Jewariya M.	Flexible and Polarization Independent Miniaturized Double- Band/Broadband Tunable Metamaterial Terahertz Filter	Materials	15	22			3.748	10.3390/ma15228174
1015	Platonov V., Sharma P., Ledyaeв M., Anikina M.A., Djuzhev N.A., Chinenkov M.Y., Tripathi N., Parveen S., Ahmad R., Pavelyev V., Melaibari A.A.	Realization of Microfluidic Preconcentrator for N-Pentane Traces Impurities from the Gaseous Media	Materials	15	22			3.748	10.3390/ma15228090
1016	Ramaswamy N., Gopalan V., Kwon T.Y.	Corrosion of Stirred Electrochemical Nano-Crystalline Hydroxyapatite (HA) Coatings on Ti6Al4V	Materials	15	23			3.748	10.3390/ma15238609

1017	Ubba E., Nawaz Khan F.-R., Teja C., Dalavai R.	One Pot Sequential Aldol condensation - Michael Addition–Sonogashira, and Heck Arylation toward Highly Functionalized Quinolines	Polycyclic Aromatic Compounds					3.744	10.1080/10406638.2022.2039225
1018	Kole P.B., Kollur S.P., Revanasiddappa H.D., Shivamallu C., Costa R.A., Junior E.S.A., Anselmo L.M., da Silva J.N., Srinivasa C., Syed A., Singh F.V.	Structural, Electronic, Vibrational and Pharmacological Investigations of Highly Functionalized Diarylmethane Molecules Using DFT Calculations, Molecular Dynamics and Molecular Docking	Polycyclic Aromatic Compounds					3.744	10.1080/10406638.2022.2041050
1019	Alla K., Vijayakumar V., Sarveswari S.	Synthesis and In Vitro Antimicrobial Evaluation of New Quinolone Based 2-Arylamino Pyrimidines	Polycyclic Aromatic Compounds					3.744	10.1080/10406638.2022.2056209

1020	Gowrisankar A., Priyanka T.M.C., Saha A., Rondoni L., Kamrul Hassan M., Banerjee S.	Greenhouse gas emissions: A rapid submerge of the world	Chaos	32	6			3.741	10.1063/5.0091843
1021	Reddy S.R.R., Anki Reddy P.B.	Thermal radiation effect on unsteady three- dimensional MHD flow of micropolar fluid over a horizontal surface of a parabola of revolution	Propulsion and Power Research	11	1	129	142	3.738	10.1016/j.jprr.2022.0 1.001
1022	Ashok G., Ramaiah S.	A critical review of datasets and computational suites for improving cancer theranostics and biomarker discovery	Medical Oncology	39	12			3.738	10.1007/s12032-022- 01815-8

1023	Padmaa M., Jayasankar T., Venkatraman S., Dutta A.K., Gupta D., Shamshirband S., Rodrigues J.J.P.C.	Oppositional chaos game optimization based clustering with trust based data transmission protocol for intelligent IoT edge systems	Journal of Parallel and Distributed Computing	164		142	151	3.734	10.1016/j.jpdc.2022.0 3.008
1024	Ma Y.-K., Kavitha K., Albalawi W., Shukla A., Nisar K.S., Vijayakumar V.	An analysis on the approximate controllability of Hilfer fractional neutral differential systems in Hilbert spaces	Alexandria Engineering Journal					3.732	10.1016/j.aej.2021.12 .067
1025	Ma Y.-K., Raja M.M., Vijayakumar V., Shukla A., Albalawi W., Nisar K.S.	Existence and continuous dependence results for fractional evolution integrodifferenti al equations of order $r \in (1,2)$	Alexandria Engineering Journal	61	12	9929	9939	3.732	10.1016/j.aej.2022.03 .010
1026	Kumar S.L., Asish Y.S., Ganapathy S.	A new hybrid CNN–LSTM model with Non- Softmax functions for face spoof detection	Soft Computing					3.732	10.1007/s00500-022- 07418-9

1027	Diana Andrushia A., Mary Neebha T., Trepheena Patricia A., Umadevi S., Anand N., Varshney A.	Image-based disease classification in grape leaves using convolutional capsule network	Soft Computing						3.732	10.1007/s00500-022- 07446-5
1028	Srinivasan E., Ram V., Rajasekaran R.	A Review On Huntington Protein: Insight Into Protein Aggregation and Therapeutic Interventions	Current Drug Metabolism	23	4	260	282		3.731	10.2174/1389200223 666220321103942
1029	Sellamuthu K., Angappan S.	Design, development and characterization of interpenetrating polymer network hydrogel bead for controlled release of glipizide drug	Drug Development and Industrial Pharmacy						3.727	10.1080/03639045.20 22.2130939



1030	Kalangi C., Bolleddu V.	Microstructural characteristics and mechanical properties of thermally sprayed conventional ceramic coatings reinforced with multiwalled carbon nanotubes	Journal of Reinforced Plastics and Composites					3.710	10.1177/07316844221099926
1031	Priya K.S., Vijaya Kumar K.R., Suresh G., Ganesamoorthy R., Vezhavendhan R., Meenakshi C.M.	Long term accelerated influence on thermo-mechanical properties of glass/carbon fiber reinforced interpenetrating polymer network hybrid composites	Journal of Reinforced Plastics and Composites					3.710	10.1177/07316844221099951
1032	Akshay Kumar M., Samiayya D., Vincent P.M.D.R., Srinivasan K., Chang C.-Y., Ganesh H.	A Hybrid Framework for Intrusion Detection in Healthcare Systems Using Deep Learning	Frontiers in Public Health	9				3.709	10.3389/fpubh.2021.824898

1033	Khan S., Hakak S., Deepa N., Prabadevi B., Dev K., Trelova S.	Detecting COVID- 19-Related Fake News Using Feature Extraction	Frontiers in Public Health	9				3.709	10.3389/fpubh.2021.7 88074
1034	Sivashankari R., Sudha M., Hasan M.K., Saeed R.A., Alsuhibany S.A., Abdel-Khalek S.	An Empirical Model to Predict the Diabetic Positive Using Stacked Ensemble Approach	Frontiers in Public Health	9				3.709	10.3389/fpubh.2021.7 92124
1035	Joshi V.R., Srinivasan K., Vincent P.M.D.R., Rajinikanth V., Chang C.-Y.	A Multistage Heterogeneous Stacking Ensemble Model for Augmented Infant Cry Classification	Frontiers in Public Health	10				3.709	10.3389/fpubh.2022.8 19865
1036	Singh V., Asari V.K., Rajasekaran R.	A Deep Neural Network for Early Detection and Prediction of Chronic Kidney Disease	Diagnostics	12	1			3.706	10.3390/diagnostics1 2010116

1037	Kanhirakadavath M.R., Chandran M.S.M.	Investigation of Eye-Tracking Scan Path as a Biomarker for Autism Screening Using Machine Learning Algorithms	Diagnostics	12	2			3.706	10.3390/diagnostics12020518
1038	Safdar S., Rizwan M., Gadekallu T.R., Javed A.R., Rahmani M.K.I., Jawad K., Bhatia S.	Bio-Imaging-Based Machine Learning Algorithm for Breast Cancer Detection	Diagnostics	12	5			3.706	10.3390/diagnostics12051134
1039	Shri Preethi M., Asha Devi S.	An attempt to unravel the association of TAGAP gene SNPs with rheumatoid arthritis in the Indian population using high-resolution melting analysis	Gene	834				3.688	10.1016/j.gene.2022.146584

1040	Sridharan B., Jagannathan V., Rajesh N.G., Viswanathan P.	Combined effect of polyacrylic acid and vitamin E in preventing calcium oxalate crystal deposition in the kidneys of experimental hyperoxaluric rats	Cell Biochemistry and Function						3.685	10.1002/cbf.3683
1041	Thimmakonda V.S., Sinjari A., Inostroza D., Vairaprakash P., Thirumoorthy K., Roy S., Anoop A., Tiznado W.	Why an integrated approach between search algorithms and chemical intuition is necessary?	Physical Chemistry Chemical Physics	24	19	11680	11686		3.676	10.1039/d2cp00315e
1042	Kiruthiga G., Rajni K.S., Raguram T., Eswaramoorthy N., Pitchaiya S.	Indium-free MgSnO <sub>3</sub> transparent conductive oxide layer: investigation on structural, optical and electrical properties and photovoltaic performance analysis	Applied Nanoscience (Switzerland)						3.674	10.1007/s13204-022-02353-5

1043	Sreekanth N., Rama Devi J., Shukla A., Mohanty D.K., Srinivas A., Rao G.N., Alam A., Gupta A.	Evaluation of estimation in software development using deep learning-modified neural network	Applied Nanoscience (Switzerland)					3.674	10.1007/s13204-021-02204-9
1044	Reddy N.M., Ramesh G., Kasturi S.B., Sharmila D., Gopichand G., Robinson L.T.	Secure data storage and retrieval system using hybridization of orthogonal knowledge swarm optimization and oblique cryptography algorithm in cloud	Applied Nanoscience (Switzerland)					3.674	10.1007/s13204-021-02174-y
1045	Kotei E., Thirunavukarasu R.	Computational techniques for the automated detection of mycobacterium tuberculosis from digitized sputum smear microscopic images: A systematic review	Progress in Biophysics and Molecular Biology					3.667	10.1016/j.pbiomolbio.2022.03.004

1046	Raneri S., Botto A., Campanella B., Momčilović M., Palleschi V., Poggialini F., Sciuto C., Gattiglia G., Volpintesta F., Selvaraj T., Živković S., Lorenzetti G., Legnaioli S.	Increasing resolution in chemical mapping of geomaterials: From X-ray fluorescence to laser-induced breakdown spectroscopy	Spectrochimica Acta - Part B Atomic Spectroscopy	194				3.662	10.1016/j.sab.2022.106482
1047	Barman J., Tirkey A., Batra S., Paul A.A., Panda K., Deka R., Babu P.J.	The role of nanotechnology based wearable electronic textiles in biomedical and healthcare applications	Materials Today Communications	32				3.662	10.1016/j.mtcomm.2022.104055
1048	Nataraj M.V., Swaroop S.	Effect of laser peening without coating on mechanical and microstructural behaviour of SS 304 stainless steel	Materials Today Communications	33				3.662	10.1016/j.mtcomm.2022.104200
1049	Vaidyaraman J., Thyagarajan A.K., Shruthi S., Ravi V.	Braille–Latin conversion using memristive bidirectional associative memory neural network	Journal of Ambient Intelligence and Humanized Computing					3.662	10.1007/s12652-022-04386-8

1050	Velappan S., Sellappan R.	Influence of ferrosilicon sintering aid on microstructure and mechanical properties of silicon nitride bonded SiC refractories	Materials Today Communications	33				3.662	10.1016/j.mtcomm.2022.104575
1051	Paliwal S., Jana P., Singh S., Madhyastha H., Webster T.J., Dev A.	Folic acid conjugated capecitabine capped green synthesized fluorescent carbon dots as a targeted nano-delivery system for colorectal cancer	Materials Today Communications	33				3.662	10.1016/j.mtcomm.2022.104590
1052	Dhanapal D., Kumar S.A., Ranjitha J.	Areca fiber/epoxy nano-composite reinforced with amine-functionalized nano-alumina-enhancement in thermal and thermo-mechanical properties	Materials Today Communications	33				3.662	10.1016/j.mtcomm.2022.104798

1053	Vijay A., Hariharan M., Sneha G., Eithiraj R.D.	Wannier-Mott excitons in alkali metal-based nitridorhenate: A DFT study	Materials Today Communications	33					3.662	10.1016/j.mtcomm.2022.104952
1054	Kondepogu V., Bhattacharyya B.	A novel sparse multipath channel estimation model in OFDM system using improved Krill Herd-deep neural network	Journal of Ambient Intelligence and Humanized Computing						3.662	10.1007/s12652-022-04503-7
1055	Ray P., Ray P.K., Dash S.K.	Power Quality Enhancement and Power Flow Analysis of a PV Integrated UPQC System in a Distribution Network	IEEE Transactions on Industry Applications	58	1	201	211		3.654	10.1109/TIA.2021.3131404
1056	Gopikumar S., Banu J.R., Harold Robinson Y., Raja S., Vimal S., Pelusi D., Kaliappan M.	Geo Spatial Based Real Time Monitoring on Eutrophic Evaluation of Porunai River Basin for Pollution Risk Assessment	European Journal of Remote Sensing						3.647	10.1080/22797254.2021.2025152



1057	Goyal B., Dogra A., Sangaiah A.K.	An effective nonlocal means image denoising framework based on non-subsampled shearlet transform	Soft Computing					3.643	10.1007/s00500-022-06845-y
1058	Rajeswari M., Julie E.G., Robinson Y.H., Joseph E., Arun A.S., Sebastian E., Kumar R., Long H.V., Son L.H.	Detection of tyre defects using weighted quality-based convolutional neural network	Soft Computing					3.643	10.1007/s00500-022-06878-3
1059	Chirasani S.K.R., Manikandan S.	A deep neural network for the classification of epileptic seizures using hierarchical attention mechanism	Soft Computing					3.643	10.1007/s00500-022-07122-8
1060	Dwivedi A.K., Kaliyaperumal Subramanian U., Kuruvilla J., Thomas A., Shanthi D., Haldorai A.	Time-series data prediction problem analysis through multilayered intuitionistic fuzzy sets	Soft Computing					3.643	10.1007/s00500-022-07053-4

1061	Karpagam M., Jeyavathana R.B., Chinnappan S.K., Kanimozhi K.V., Sambath M.	A novel face recognition model for fighting against human trafficking in surveillance videos and rescuing victims	Soft Computing					3.643	10.1007/s00500-022-06931-1
1062	Basha C.H.H., Rani C.	A New single switch DC-DC converter for PEM fuel cell-based electric vehicle system with an improved beta-fuzzy logic MPPT controller	Soft Computing					3.643	10.1007/s00500-022-07049-0
1063	Sahu C., Parhi D.R.	Navigational strategy of a biped robot using regression-adaptive PSO approach	Soft Computing					3.643	10.1007/s00500-022-07084-x
1064	Sakthivel N., Pallavi S., Ma Y.-K., Vijayakumar V.	Finite-time dissipative synchronization of discrete-time semi-Markovian jump complex dynamical networks with actuator faults	Soft Computing					3.643	10.1007/s00500-022-07207-4

1065	Kumar M.D.B., Manikandan M.	Evaluation of Microstructure, Residual Stress, and Mechanical Properties in Different Planes of Wire + Arc Additive Manufactured Nickel-Based Superalloy	Metals and Materials International					3.642	10.1007/s12540-022- 01185-w
1066	Santhosh Kumar V., Sennimalai Chandrasekaran S.	Analysis of failure of high slope subjected to rainfall infiltration at Peringavu in Kerala, India	Engineering Failure Analysis	138				3.634	10.1016/j.engfailanal. 2022.106423
1067	Narayanan K.L., Krishnan R.S., Robinson Y.H., Julie E.G., Vimal S., Saravanan V., Kaliappan M.	Banana Plant Disease Classification Using Hybrid Convolutional Neural Network	Computational Intelligence and Neuroscience	2022				3.633	10.1155/2022/915369 9
1068	Mannan A., Abbasi A., Javed A.R., Ahsan A., Gadekallu T.R., Xin Q.	Hypertuned Deep Convolutional Neural Network for Sign Language Recognition	Computational Intelligence and Neuroscience	2022				3.633	10.1155/2022/145082 2

1069	Nagarajan K., Rajagopalan A., Angalaeswari S., Natrayan L., Mammo W.D.	Combined Economic Emission Dispatch of Microgrid with the Incorporation of Renewable Energy Sources Using Improved Mayfly Optimization Algorithm	Computational Intelligence and Neuroscience	2022				3.633	10.1155/2022/646169 0
1070	Singh N., Gunjan V.K., Kadiyala R., Xin Q., Gadekallu T.R.	Performance Evaluation of Seis Tutor Using Cognitive Intelligence- Based "kirkpatrick Model"	Computational Intelligence and Neuroscience	2022				3.633	10.1155/2022/509296 2
1071	Subramanian M., Kumar M.S., Sathishkumar V.E., Prabhu J., Karthick A., Ganesh S.S., Meem M.A.	Diagnosis of Retinal Diseases Based on Bayesian Optimization Deep Learning Network Using Optical Coherence Tomography Images	Computational Intelligence and Neuroscience	2022				3.633	10.1155/2022/801497 9

1072	Rodrigues A.P., Fernandes R., Aakash A., Abhishek B., Shetty A., Atul K., Lakshmana K., Shafi R.M.	Real-Time Twitter Spam Detection and Sentiment Analysis using Machine Learning and Deep Learning Techniques	Computational Intelligence and Neuroscience	2022				3.633	10.1155/2022/521194 9
1073	Mathew A.A., Vivekanandan S.	Design and Simulation of Single-Electrode Mode Triboelectric Nanogenerator- Based Pulse Sensor for Healthcare Applications Using COMSOL Multiphysics	Energy Technology					3.631	10.1002/ente.202101 130
1074	Chinababu M., Krishna N.N., Sivaprasad K., Prashanth K.G., Rao E.B.	Evolution of microstructure and mechanical properties of LM25–HEA composite processed through stir casting with a bottom pouring system	Materials	15	1			3.623	10.3390/ma15010230

1075	Manoharan A., Dey D., Putlibai S., Ramaiah S., Anbarasu A., Balasubramanian S.	Epidemiology of Multidrug Resistance among Salmonella enterica serovars typhi and paratyphi A at a Tertiary Pediatric Hospital in India Over a Decade; In-silico Approach to Elucidate the Molecular Mechanism of Quinolone Resistance	International Journal of Infectious Diseases	119		146	149	3.623	10.1016/j.ijid.2022.03.050
1076	Behura A.K., Mohanty C.P., Singh M.R., Kumar A., Linul E., Rajak D.K.	Performance Analysis of Three Side Roughened Solar Air Heater: A Preliminary Investigation	Materials	15	7			3.623	10.3390/ma15072541
1077	Chatterjee M., Sengupta S.	Human satellite III long noncoding RNA imparts survival benefits to cancer cells	Cell Biology International					3.612	10.1002/cbin.11761

1078	Bandekar S.R., Ghosh M.	A co-infection model on TB - COVID-19 with optimal control and sensitivity analysis	Mathematics and Computers in Simulation	200		1	31	3.601	10.1016/j.matcom.2022.04.001
1079	Bhardwaj V., Hindocha L., Ashok Kumar S., Sahoo S.K.	An aggregation-induced emissive pyridoxal derived tetradentate Schiff base for the fluorescence turn-off sensing of copper(ii) in an aqueous medium	New Journal of Chemistry	46	7	3248	3257	3.591	10.1039/d1nj05523b
1080	Kuppusamy S., Deivasigamani P.	Porous carbon-based polymer monolithic template implanted with an ion-receptor molecular probe as a solid-state optical sensor for the selective targeting and capturing of cobalt ions	New Journal of Chemistry	46	1	398	406	3.591	10.1039/d1nj04793k

1081	Enbanathan S., Manickam S., Munusamy S., Jothi D., Manoj Kumar S., Kulathu Iyer S.	A phenanthridine- based probe for selective detection of hypochlorite ions	New Journal of Chemistry	46	14	6570	6576	3.591	10.1039/d1nj06023f
1082	Palpandi K., Bhuvaneswari C., Babu S.G., Raman N.	Rational design of ruddlesden- popper phase Mn <sub>2</sub> SnO <sub>4</sub> for ultra-sensitive and highly selective detection of chloramphenicol in real-life samples	New Journal of Chemistry					3.591	10.1039/d2nj00813k
1083	Humbe S.S., Joshi G.M., Deshmukh R.R., Dhanumalayan E., Kaleemulla S.	Quantification of pre- and post-air plasma-treated graphene oxide dispersed polymer blends for high dielectric applications	New Journal of Chemistry	46	20	9909	9922	3.591	10.1039/d1nj05595j



1084	Jayaraj P., Sarkar P., Routh S., Sarathe C., Desikan R., Thirumurugan K.	A promising discovery of an anti-aging chemical conjugate derived from lipoic acid and sesamol established in <i>Drosophila melanogaster</i>	New Journal of Chemistry					3.591	10.1039/d2nj00720g
1085	Breaz D., Karthikeyan K.R., Murugusundaramoorthy G.	Bazilevič Functions of Complex Order with Respect to Symmetric Points	Fractal and Fractional	6	6			3.577	10.3390/fractalfract6060316
1086	Sivasankar S., Udhayakumar R.	New Outcomes Regarding the Existence of Hilfer Fractional Stochastic Differential Systems via Almost Sectorial Operators	Fractal and Fractional	6	9			3.577	10.3390/fractalfract6090522

1087	Varun Bose C.B.S., Udhayakumar R.	Existence of Mild Solutions for Hilfer Fractional Neutral Integro-Differential Inclusions via Almost Sectorial Operators	Fractal and Fractional	6	9			3.577	10.3390/fractalfract6090532
1088	Johnson M., Vijayakumar V.	An Investigation on the Optimal Control for Hilfer Fractional Neutral Stochastic Integrodifferential Systems with Infinite Delay	Fractal and Fractional	6	10			3.577	10.3390/fractalfract6100583
1089	Varun Bose C.S., Udhayakumar R., Elshenhab A.M., Kumar M.S., Ro J.-S.	Discussion on the Approximate Controllability of Hilfer Fractional Neutral Integro-Differential Inclusions via Almost Sectorial Operators	Fractal and Fractional	6	10			3.577	10.3390/fractalfract6100607

1090	Devan P.A.M., Hussin F.A., Ibrahim R.B., Bingi K., Nagarajapandian M., Assaad M.	An Arithmetic- Trigonometric Optimization Algorithm with Application for Control of Real- Time Pressure Process Plant	Sensors	22	2			3.576	10.3390/s22020617
1091	Arikumar K.S., Prathiba S.B., Alazab M., Gadekallu T.R., Pandya S., Khan J.M., Moorthy R.S.	FL-PMI: Federated Learning-Based Person Movement Identification through Wearable Devices in Smart Healthcare Systems	Sensors	22	4			3.576	10.3390/s22041377
1092	Bal P.K., Mohapatra S.K., Das T.K., Srinivasan K., Hu Y.- C.	A Joint Resource Allocation, Security with Efficient Task Scheduling in Cloud Computing Using Hybrid Machine Learning Techniques	Sensors	22	3			3.576	10.3390/s22031242

1093	Semwal A., Mohan R.E., Melvin L.M.J., Palanisamy P., Baskar C., Yi L., Pookkuttath S., Ramalingam B.	False ceiling deterioration detection and mapping using a deep learning framework and the teleoperated reconfigurable 'falcon' robot	Sensors	22	1			3.576	10.3390/s22010262
1094	Angel N.A., Ravindran D., Vincent P.M.D.R., Srinivasan K., Hu Y.-C.	Recent advances in evolving computing paradigms: Cloud, edge, and fog technologies	Sensors	22	1			3.576	10.3390/s22010196
1095	Gupta C., Johri I., Srinivasan K., Hu Y.-C., Qaisar S.M., Huang K.-Y.	A Systematic Review on Machine Learning and Deep Learning Models for Electronic Information Security in Mobile Networks	Sensors	22	5			3.576	10.3390/s22052017

1096	Majid M., Habib S., Javed A.R., Rizwan M., Srivastava G., Gadekallu T.R., Lin J.C.-W.	Applications of Wireless Sensor Networks and Internet of Things Frameworks in the Industry Revolution 4.0: A Systematic Literature Review	Sensors	22	6			3.576	10.3390/s22062087
1097	Mohan P.V., Dixit S., Gyaneshwar A., Chadha U., Srinivasan K., Seo J.T.	Leveraging Computational Intelligence Techniques for Defensive Deception: A Review, Recent Advances, Open Problems and Future Directions	Sensors	22	6			3.576	10.3390/s22062194
1098	Roy A.K., Nath K., Srivastava G., Gadekallu T.R., Lin J.C.-W.	Privacy Preserving Multi-Party Key Exchange Protocol for Wireless Mesh Networks	Sensors	22	5			3.576	10.3390/s22051958

1099	Kumar R., Subbiah G.	Zero-Day Malware Detection and Effective Malware Analysis Using Shapley Ensemble Boosting and Bagging Approach	Sensors	22	7			3.576	10.3390/s22072798
1100	Salehuddin N.F., Omar M.B., Ibrahim R., Bingi K.	A Neural Network-Based Model for Predicting Saybolt Color of Petroleum Products	Sensors	22	7			3.576	10.3390/s22072796
1101	Bhaskar R., Mageswari N., Sankar D., Vinoth Kumar G.G.	Fluorescence chemosensor for fluoride ion using quinoline-derived probe: Molecular logic gate application	Materials Letters	327				3.574	10.1016/j.matlet.2022.133040
1102	Saju T., Velu M.	Fracture toughness and fatigue crack growth rate studies on rotary friction weldments of nickel-based superalloys	Materials Letters	327				3.574	10.1016/j.matlet.2022.133027

1103	Jose B., Manoharan M., Natarajan A., Rao Muktinutalapati N., Madhusudhan Reddy G.	Development of a low heat-input welding technique for joining thick plates of 250 grade maraging steel to fabricate rocket motor casings	Materials Letters	326				3.574	10.1016/j.matlet.2022.132984
1104	Anandan B., Manikandan M.	Machine learning approach for predicting the peak temperature of dissimilar AA7050-AA2014A friction stir welding butt joint using various regression models	Materials Letters	325				3.574	10.1016/j.matlet.2022.132879
1105	Uday K.N., Rajamurugan G.	Influence of tool rotational and transverse speed on friction stir welding of dissimilar aluminum 6061 composites	Materials Letters					3.574	10.1016/j.matlet.2022.133182

1106	Srikanth M., Annamalai A.R., Muthuchamy A.	Medium heavy alloy fabrication with ultrafine grain and high performance via spark plasma sintering	Materials Letters					3.574	10.1016/j.matlet.2022.133146
1107	Simkin A.J., Kapoor L., Doss C.G.P., Hofmann T.A., Lawson T., Ramamoorthy S.	The role of photosynthesis related pigments in light harvesting, photoprotection and enhancement of photosynthetic yield in planta	Photosynthesis Research					3.573	10.1007/s11120-021-00892-6
1108	Elumalai S., Thenmozhi K., Senthilkumar S., Sabarinathan S., Ponnusamy V.K.	Functional group-specific multilateral derivatization cum extraction method for simultaneous quantification of genotoxic impurities in carvedilol phosphate drug using GC-MS and their toxicity assessments	Journal of Pharmaceutical and Biomedical Analysis	220				3.571	10.1016/j.jpba.2022.114974



1109	Chellappan D.K., Prasher P., Shukla S.D., Yee T.W., Kah T.K., Xyan T.W., Kid T.W., Si T.H., Weng T.S., Molugulu N., Sakthivel L.P., Chellian J., Madheswaran T., Malipeddi H., Singh Y., Dureja H., Kapoor D.N., Negi P., Goyal R., Thangavelu L., Kumar D., Gupta P.K., Jha N.K., Shastri M.D., MacLoughlin R., Singh S.K., Gulati M., Gupta G., Dua K.	Exploring the role of antibiotics and steroids in managing respiratory diseases	Journal of Biochemical and Molecular Toxicology					3.568	10.1002/jbt.23174
1110	Nirmal B., Mohan K.	The late Neogene to Quaternary surface water changes as responses from planktonic foraminifera at the transitional Subantarctic Zone	Palaeogeograp hy, Palaeoclimatol ogy, Palaeoecology	603				3.565	10.1016/j.palaeo.202 2.111183

1111	Kumar V.P., Jebaraj A.V.	Attainment of favorable microstructure for residual stress reduction through high-temperature heat treatment on additive manufactured inconel 718 alloy	International Journal of Advanced Manufacturing Technology	121	07-Aug	4455	4472	3.563	10.1007/s00170-022-09640-z
1112	Patra D., Chavhan S., Kundu C.	In-process detection of miniature size holes in cold-rolled steel strips	International Journal of Advanced Manufacturing Technology					3.563	10.1007/s00170-022-10388-9
1113	Madhavadas V., Srivastava D., Chadha U., Aravind Raj S., Sultan M.T.H., Shahar F.S., Shah A.U.M.	A review on metal additive manufacturing for intricately shaped aerospace components	CIRP Journal of Manufacturing Science and Technology	39		18	36	3.56	10.1016/j.cirpj.2022.07.005

1114	Panda P.P., Aswini M.A., Bhatt P., Srimuruganandam B., Peketi A., Kumar A.	Bioactive Trace Elements' Composition and Their Fractional Solubility in Aerosols from the Arabian Sea during the Southwest Monsoon	ACS Earth and Space Chemistry	6	8	1969	1981	3.556	10.1021/acsearthspacchem.2c00067
1115	Upadhyay P.P., Mishra M.K., Ramamurty U., Bond A.D.	Mechanical anisotropy and tabletability of famotidine polymorphs	CrystEngComm	24	9	1795	1802	3.545	10.1039/d1ce01406d
1116	Lathabhavan R., Padhy P.C.	Role of fear of COVID-19 in the relationship of problematic internet use and stress: A retrospective cohort study among Gen X, Y and Z	Asian Journal of Psychiatry	67				3.543	10.1016/j.ajp.2021.10.2937

1117	Chakraborty D., Mukherjee A., Ethiraj K.R.	Gold nanorod-based multiplex bioanalytical assay for the detection of CYFRA 21-1 and CA-125: towards oral cancer diagnostics	Analytical Methods					3.532	10.1039/d2ay01216b
1118	Rajendran S., UshaVipinachandran V., Badagoppam Haroon K.H., Ashokan I., Bhunias K.	A comprehensive review on multi-colored emissive carbon dots as fluorescent probes for the detection of pharmaceutical drugs in water	Analytical Methods	63	4			3.532	10.1039/d2ay01288j
1119	Thangapandian E., Palanisamy P.	An experimental and numerical study to enhance the thermal characteristics of LA/CuO/Al <sub>2</sub> O <sub>3</sub> nanocomposites as a phase change material for building cooling applications	Polymer Composites					3.531	10.1002/pc.26845

1120	Shejkar S.K., Agrawal B., Agrawal A., Gupta G.	Physical, mechanical, and sliding wear behavior of epoxy composites filled with surface modified walnut shell particulate	Polymer Composites					3.531	10.1002/pc.26847
1121	Sawant S.S., Prabukumar M., Loganathan A., Alenizi F.A., Ingaleshwar S.	Multi-objective multi-verse optimizer based unsupervised band selection for hyperspectral image classification	International Journal of Remote Sensing	43	11	3990	4024	3.531	10.1080/01431161.20 22.2105666
1122	Arumugam A.B., Rajendra C.O., Edwin Sudhagar P., Rajamohan V., Kumbhar S.G., Perumal A.	Thermal buckling analysis of tapered laminated composite beam: Numerical and experimental investigation	Polymer Composites					3.531	10.1002/pc.26941

1123	Thiyagu C., NarendraKumar U.	Effect of ammonium polyphosphate on fire-retardant, mechanical, and vibrational analysis of epoxy/glass/ramie hybrid composite	Polymer Composites					3.531	10.1002/pc.27123
1124	Yadav A., Joshi D., Kumar V., Mohapatra H., Iwendi C., Gadekallu T.R.	Capability and Robustness of Novel Hybridized Artificial Intelligence Technique for Sediment Yield Modeling in Godavari River, India	Water (Switzerland)	14	12			3.53	10.3390/w14121917
1125	Selvaraj T., Devadas P., Perumal J.L., Zabaniotou A., Ganesapillai M.	A Comprehensive Review of the Potential of Stepwells as Sustainable Water Management Structures	Water (Switzerland)	14	17			3.530	10.3390/w14172665

1126	Ch A., Ch R., Gadamsetty S., Iwendi C., Gadekallu T.R., Dhaou I.B.	ECDSA-Based Water Bodies Prediction from Satellite Images with UNet	Water (Switzerland)	14	14			3.530	10.3390/w14142234
1127	Trivedi A., Desireddy S., Chacko S.P.	Effect of pH, Salinity, Dye, and Biomass Concentration on Decolourization of Azo Dye Methyl Orange in Denitrifying Conditions	Water (Switzerland)	14	22			3.530	10.3390/w14223747
1128	Dev K., Xiao Y., Gadekallu T.R., Corchado J.M., Han G., Magarini M.	Guest Editorial Special Issue on Green Communication and Networking for Connected and Autonomous Vehicles	IEEE Transactions on Green Communicatio ns and Networking	6	3	1260	1266	3.525	10.1109/TGCN.2022.3 195309
1129	Kumar V.D.A., Raghuraman M., Kumar A., Rashid M., Hakak S., Reddy M.P.K.	Green-Tech CAV: Next Generation Computing for Traffic Sign and Obstacle Detection in Connected and Autonomous Vehicles	IEEE Transactions on Green Communicatio ns and Networking	6	3	1307	1315	3.525	10.1109/TGCN.2022.3 162698

1130	Selvendran S., Divya J., Sivanantha Raja A., Sivasubramanian A., Itapu S.	A Reconfigurable Surface-Plasmon-Based Filter/Sensor Using D-Shaped Photonic Crystal Fiber	Micromachines	13	6			3.523	10.3390/mi13060917
1131	Sambathkumar S., Arunagirinathan R.S.	A Simple Technique for the Precise Establishment of the Working Gap in an Electrochemical Discharge Machining Process and Some Experimental Results Thereof	Micromachines	13	9			3.523	10.3390/mi13091367
1132	Debnath S., Jiang W., Guan M., Chen G.	Effect of ring-source release on dispersion process in Poiseuille flow with wall absorption	Physics of Fluids	34	2			3.521	10.1063/5.0077957



1133	Govindarajulu K., Subramanyam Reddy A.	Magnetohydrodynamic pulsatile flow of third grade hybrid nanofluid in a porous channel with Ohmic heating and thermal radiation effects	Physics of Fluids	34	1			3.521	10.1063/5.0074894
1134	Vineeth V.K., Patel D.K.	Influence of aspect ratio on the wake dynamics of a pitching wing	Physics of Fluids	34	3			3.521	10.1063/5.0082400
1135	Kannaiyan A., Natarajan S., Vinoth B.R.	Stability of a laminar pipe flow subjected to a step-like increase in the flow rate	Physics of Fluids	34	6			3.521	10.1063/5.0090337
1136	Manobalan S., Mahender C., Rajan Babu D., Rahaman A., Sreekanth M.S., Sharma D., Bose S., Sumangala T.P.	The Mechanical, Dielectric, and EMI Shielding Properties of Nickel Ferrite (NiF)/Graphene (Gr)-Doped Epoxy Composites	Journal of Inorganic and Organometallic Polymers and Materials					3.518	10.1007/s10904-022-02419-5

1137	Kothandaraman M., Law Z., Ezra M.A.G., Pua C.H., Rajasekaran U.	Water Pipeline Leak Measurement Using Wavelet Packet-based Adaptive ICA	Water Resources Management					3.517	10.1007/s11269-022- 03119-y
1138	Senthil Pandi S., Senthilselvi A., Gitanjali J., ArivuSelvan K., Gopal J., Vellingiri J.	Rice plant disease classification using dilated convolutional neural network with global average pooling	Ecological Modelling	474				3.512	10.1016/j.ecolmodel. 2022.110166
1139	Loganathan T.M., Sultan M.T.H., Muhammad Amir S.M., Naveen J., Shari M.R., Mustapa S., Saharudin M.F., Mohd Rabu I.S.B., Shah A.U.M., Mohd S.	Low-Velocity Impact, Free-Fall Drop Test of Prototype, and Failure Analysis of Hybrid Palm / Kenaf Reinforced MWCNT Phenolic Composites	Journal of Natural Fibers					3.507	10.1080/15440478.20 22.2133049

1140	Vidhya M., Parveen Banu K., Kumar V., Prakash C., Subramaniyam V.	Moisture Management Properties of Single Jersey Knitted Fabrics Made from Regenerated Bamboo: Polyester Core-Spun Yarns	Journal of Natural Fibers					3.507	10.1080/15440478.2022.2125922
1141	N J., A A.L.	SSDMNV2-FPN: A cardiac disorder classification from 12 lead ECG images using deep neural network	Microprocessors and Microsystems	93				3.503	10.1016/j.micpro.2022.104627
1142	Sasikumar A., Subramaniaswamy V., Jannali R., Srinivasa Rao V., Ravi L.	Design and area optimization of CMOS operational amplifier circuit using hybrid flower pollination algorithm for IoT end-node devices	Microprocessors and Microsystems	93				3.503	10.1016/j.micpro.2022.104610

1143	Rajasekar V.R., Rajkumar S.	A Study on Impact of DIS flooding Attack on RPL-based 6LowPAN Network	Microprocesso rs and Microsystems	94				3.503	10.1016/j.micpro.202 2.104675
1144	M S., K S., Prasanth N.	A novel framework for deployment of CNN models using post- training quantization on microcontroller	Microprocesso rs and Microsystems	94				3.503	10.1016/j.micpro.202 2.104634
1145	Chandran J., Viswanatham V.M.	Dynamic node influence tracking based influence maximization on dynamic social networks	Microprocesso rs and Microsystems	95				3.503	10.1016/j.micpro.202 2.104689
1146	Bidwai D., Parauha Y.R., Sahu M.K., Dhoble S.J., Jayasimhadri M., Swati G.	Synthesis and luminescence characterization of aqueous stable Sr3MgSi2O8: Eu2+, Dy3+ long afterglow nanophosphor for low light illumination	Journal of Solid State Chemistry	310				3.498	10.1016/j.jssc.2022.12 3089

1147	Thirunavukkarasu V., Senthil Kumar A., Prakasam P.	Cluster and angular based energy proficient trusted routing protocol for mobile ad-hoc network	Peer-to-Peer Networking and Applications					3.488	10.1007/s12083-022-01340-5
1148	Al-Mdallal Q., Prasad V.R., Basha H.T., Sarris I., Akkurt N.	Keller box simulation of magnetic pseudoplastic nano-polymer coating flow over a circular cylinder with entropy optimisation	Computers and Mathematics with Applications	118		132	158	3.476	10.1016/j.camwa.2022.05.013
1149	Divakar K., Kumar M.P.	A Novel Efficacious PID Controller for Processes with Inverse Response and Time Delay	IEEE Access	10		63626	63639	3.476	10.1109/ACCESS.2022.3180504

1150	Deepanramkumar P., Jaisankar N.	BlockCRN-IoCV: Secure Spectrum Access and Beamforming for Defense Against Attacks in mmWave Massive MIMO CRN in 6G Internet of Connected Vehicles	IEEE Access			1	1	3.476	10.1109/ACCESS.2022.3187745
1151	Natarajan S., Vairavasundaram S., Kotecha K., Indragandhi V., Palani S., Saini J.R., Ravi L.	CD-SemMF: Cross-domain semantic relatedness based matrix factorization model enabled with linked open data for user cold start issue	IEEE Access	10		52955	52970	3.476	10.1109/ACCESS.2022.3175566
1152	Zhang P., Gan P., Chang L., Wen W., Selvi M., Kibalya G.	DPRL: Task Offloading Strategy Based on Differential Privacy and Reinforcement Learning in Edge Computing	IEEE Access	10		54002	54011	3.476	10.1109/ACCESS.2022.3175194

1153	Anandkumar D., Sangeetha R.G.	Performance Evaluation of LDPC-Coded Power Series Based Málaga () Distributed MIMO/FSO Link With M-QAM and Pointing Error	IEEE Access	10		62037	62055	3.476	10.1109/ACCESS.2022.3180835
1154	Prasad D., Dhanamjayulu C.	Reduced Voltage Stress Asymmetrical Multilevel Inverter With Optimal Components	IEEE Access	10		53546	53559	3.476	10.1109/ACCESS.2022.3176110
1155	Lenin N.C.	48-Volt Energy Efficient Domestic Appliances with Flux Switching Motor Drive System-Design, Simulation, and Comparison	IEEE Access	10		81568	81580	3.476	10.1109/ACCESS.2022.3193687

1156	Prasad D., Dhanamjayulu C.	Solar PV-Fed Multilevel Inverter with Series Compensator for Power Quality Improvement in Grid-Connected Systems	IEEE Access	10		81203	81219	3.476	10.1109/ACCESS.2022 .3196174
1157	Singh R.R., Banerjee S., Manikandan R., Kotecha K., Indragandhi V., Vairavasundaram S.	Intelligent IoT Wind Emulation System Based on Real-Time Data Fetching Approach	IEEE Access	10		78253	78267	3.476	10.1109/ACCESS.2022 .3193774
1158	Pandurangan R., Kaliannan P., Shanmugam P.	Dynamic Online Grid Impedance Estimation and its Effects on DC Capacitor Lifetime in Variable Frequency Drive	IEEE Access			1	1	3.476	10.1109/ACCESS.2022 .3197894
1159	Dwivedy B.	Consideration of Engineered Ground Planes for Planar Antennas: Their Effects and Applications, A Review.	IEEE Access			1	1	3.476	10.1109/ACCESS.2022 .3195507



1160	Suleman M.A.R., Shridevi S.	Short-term weather Forecasting using Spatial Feature Attention based LSTM model	IEEE Access			1	1	3.476	10.1109/ACCESS.2022 .3196381
1161	Rajangam V., Kandikattu D., Utkarsh, Kumar M., Raj A.N.J.	Texture Aware Deep Feature Map Based Linear Weighted Medical Image Fusion	IEEE Access	10		88787	88797	3.476	10.1109/ACCESS.2022 .3200752
1162	Revathi B.S., Prabhakar M.	Solar PV Fed DC Microgrid: Applications, Converter Selection, Design and Testing	IEEE Access	10		87227	87240	3.476	10.1109/ACCESS.2022 .3199701
1163	Pal A., Chowdhury A., Satakshi, Narman H.S., Chowdhury A., Kumar M.	Random Partition based Adaptive Distributed Kernelized SVM for Big Data	IEEE Access			1	1	3.476	10.1109/ACCESS.2022 .3204114

1164	Pangedaiah B., Santosh Kumar Reddy P.L., Obulesu Y.P., Venkata Reddy K., Alghaythi M.L.	<b>A Robust Passive Islanding Detection Technique With Zero-Non- Detection Zone For Inverter- Interfaced Distributed Generation</b>	IEEE Access			1	1	3.476	10.1109/ACCESS.2022 .3204974
1165	Reddy A.K.V.K., Narayana K.V.L.	Symbiotic Learning Grey Wolf Optimizer for Engineering and Power Flow Optimization Problems	IEEE Access			1	1	3.476	10.1109/ACCESS.2022 .3203999
1166	Srinivasu P.N., Ijaz M.F., Shafi J., Wozniak M., Sujatha R.	6G Driven Fast Computational Networking Framework for Healthcare Applications	IEEE Access			1	1	3.476	10.1109/ACCESS.2022 .3203061
1167	Onesimu J.A., Karthikeyan J., Eunice J., Pomplun M., Dang H.	Privacy Preserving Attribute- Focused Anonymization Scheme for Healthcare Data Publishing	IEEE Access	10		86979	86997	3.476	10.1109/ACCESS.2022 .3199433

1168	Bagadi K., C. V R., Sathish K., Alibakhshikenari M., Virdee B.S., Kouhalvandi L., Olan- Nunez K.N., Pau G., See C.H., Dayoub I., Livrieri P., Aissa S., Falcone F., Limiti E.	Detection of Signals in MC- CDMA Using a Novel Iterative Block Decision Feedback Equalizer	IEEE Access	10		105674	105684	3.476	10.1109/ACCESS.2022 .3211392
1169	Divakar K., Kumar M.P.	A Novel PID Controller Cascaded With Higher Order Filter for FOPDT With Real Time Implementation	IEEE Access	10		101168	101185	3.476	10.1109/ACCESS.2022 .3208258
1170	Seeja G., Doss A.S.A., Berlin Hency V.	A Survey on Snake Robot Locomotion	IEEE Access	10		112100	112116	3.476	10.1109/ACCESS.2022 .3215162
1171	Suresh V., Aksan F., Janik P., Sikorski T., Sri Revathi B.	Probabilistic LSTM- Autoencoder Based Hour- Ahead Solar Power Forecasting Model for Intra- Day Electricity Market Participation: A Polish Case Study	IEEE Access	10		110628	110638	3.476	10.1109/ACCESS.2022 .3215080

1172	Kavitha A., Reddy V.B., Singh N., Gunjan V.K., Lakshmana K., Khan A.A., Wechtaisong C.	Security in IoT Mesh Networks based on Trust Similarity	IEEE Access			1	1	3.476	10.1109/ACCESS.2022.3220678
1173	Patra S.S., Govindaraj R., Chowdhury S., Shah M.A., Patro R., Rout S.	Energy Efficient End Device Aware Solution Through SDN in Edge-Cloud Platform	IEEE Access	10		115192	115204	3.476	10.1109/ACCESS.2022.3218328
1174	Vaegae N.K., Pulluri K.K., Bagadi K., Oyerinde O.O.	Design of an Efficient Distracted Driver Detection System: Deep Learning Approaches	IEEE Access	10		116087	116097	3.476	10.1109/ACCESS.2022.3218711
1175	Vivek Menon U., Selvaprabhu P.	A Novel Tri-staged RIA Scheme for Cooperative Cell Edge Users in a Multi-cellular MIMO IMAC	IEEE Access			1	1	3.476	10.1109/ACCESS.2022.3219254
1176	Sarin C.R., Mani G.	An Intelligent BMS With Probabilistic MO-GSA Based CDMAS Integrating Edge Controller Analytics	IEEE Access	10		115802	115814	3.476	10.1109/ACCESS.2022.3218683

1177	Patil P.G., Jaware T.H., Patil S.P., Badgajar R.D., Albu F., Mahariq I., Al-Sheikh B., Nayak C.	Marathi Speech Intelligibility Enhancement Using I-AMS Based Neuro-Fuzzy Classifier Approach for Hearing Aid Users	IEEE Access	10		123028	123042	3.476	10.1109/ACCESS.2022.3223365
1178	Shakilanishi S., Mrudula P., Shanthi C.	Production of dehairing protease by Bacillus cereus VITSN04: a model cradle-to-cradle approach for sustainable greener production of leathers	Environmental Technology (United Kingdom)					3.475	10.1080/09593330.2022.2102938
1179	Gnanavelu K., K. S V.K., Eswaran S., Sivashanmugam K.	Novel quinoline-piperazine hybrids: the design, synthesis and evaluation of antibacterial and antituberculosis properties	RSC Medicinal Chemistry					3.47	10.1039/d2md00260d

1180	Singh R.K., Jaiswal L.K., Nayak T., Rawat R.S., Kumar S., Rai S.N., Gupta A.	Expression, Purification, and in Silico Characterization of Mycobacterium smegmatis Alternative Sigma Factor SigB	Disease Markers	2022				3.464	10.1155/2022/7475704
1181	Jain S., Roy P.K.	E-commerce review sentiment score prediction considering misspelled words: a deep learning approach	Electronic Commerce Research					3.462	10.1007/s10660-022-09582-4
1182	Naveen S., Srilekha R., Suganya S., Parthiban V.	Controllability of damped dynamical systems modelled by Hilfer fractional derivatives	Journal of Taibah University for Science	16	1	1254	1263	3.459	10.1080/16583655.2022.2157188

1183	Patel R., Vijayakumar V., Nieto J.J., Jadon S.S., Shukla A.	A note on the existence and optimal control for mixed Volterra–Fredhol m-type integrodifferenti al dispersion system of third order	Asian Journal of Control					3.452	10.1002/asjc.2860
1184	Sankar B., Vinay C., Vishnu J., Shankar K.V., Gokul Krishna G.P., Govind V., Jayakrishna A.J.	Focused Review on Cu–Ni–Sn Spinodal Alloys: From Casting to Additive Manufacturing	Metals and Materials International					3.451	10.1007/s12540-022- 01305-6
1185	Anand B., Murugavelh S.	A hybrid system for power, desalination, and cooling using concentrated photovoltaic/the rmal collector	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	1	1416	1436	3.447	10.1080/15567036.20 19.1644395
1186	Dubey R., Guruviah V.	Machine learning approach for categorical biomass higher heating value prediction based on proximate analysis	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	2	3381	3394	3.447	10.1080/15567036.20 22.2065386

1187	Narayanan V.L., Ramakrishnan R., Rengaswamy R.	Real-Time testing of novel robust digital pitch controller for digital hydraulic pitch system in wind turbine	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	2	3477	3496	3.447	10.1080/15567036.2022.2064944
1188	Sridharan N.V., Sugumaran V.	Deep learning-based ensemble model for classification of photovoltaic module visual faults	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	2	5287	5302	3.447	10.1080/15567036.2022.2083729
1189	Dash C.S., Sukumar M., Ravi V., Anitha G., Rajabathar J.R., Katubi K.M., Alsaieri N.S., Abualnaja M., Rajkumar R., Kamalakannan M., Sundararajan M., Sutha A.	Effect of Zinc Doping on Structural, Optical, Magnetic, and Catalytic Behavior of Co <sub>3</sub> O <sub>4</sub> Nanoparticles Synthesized by Microwave-Assisted Combustion Method	Journal of Cluster Science					3.447	10.1007/s10876-022-02369-5



1190	Venkatesan D., Iyer M., S R.W., Narayanasamy A., Kamalakannan S., Valsala Gopalakrishnan A., Vellingiri B.	Genotypic-Phenotypic Analysis, Metabolic Profiling and Clinical Correlations in Parkinson's Disease Patients from Tamil Nadu Population, India	Journal of Molecular Neuroscience					3.444	10.1007/s12031-022-02028-4
1191	Balaji S., Shanmugam V.K.	Comparative study of effective antibiofilm activity of beneficial microbes-mediated zirconia nanoparticles	Bioprocess and Biosystems Engineering	45	11	1771	1780	3.434	10.1007/s00449-022-02776-y

1192	Jothi D., Kulathu lyer S.	Recognition of Hg <sup>2+</sup> ion in an organic semi-aqueous medium by a new naphthalimide based fluorescent probe and its bioimaging applications	Inorganic Chemistry Communications	143				3.428	10.1016/j.inoche.2022.109735
1193	Hemalatha V., Vijayakumar V.	A highly selective colorimetric sensing of CN <sup>-</sup> ion by a hydrazine appended Schiff base and its application in detection of CN <sup>-</sup> ion present in tobacco and food samples	Inorganic Chemistry Communications	144				3.428	10.1016/j.inoche.2022.109894

1194	Ramakrishnan K., Gayathri V., Aravinthkumar K., Ramachandran K., Ajitha B., Rameshbabu M., Sasiflorence S., S.Karazhanov, Praba K., Raja Mohan C.	TiO <sub>2</sub> /CeO <sub>2</sub> Core/Shell nanostructures for photocatalytic and photo electrochemical applications	Inorganic Chemistry Communicatio ns	144				3.428	10.1016/j.inoche.202 2.109842
1195	Vijayan K., Vijayachamundeesw ari S.P.	Improving the multifunctional attributes and photocatalytic dye degradation of MB and RhB dye – A comparative scrutiny	Inorganic Chemistry Communicatio ns	144				3.428	10.1016/j.inoche.202 2.109940
1196	Tamizhselvi R., Arumugam Napoleon A.	Ninhydrin and isatin appended 2- Hydrazinobenzot hiazole based simple Schiff bases for colorimetric selective detection of Cr <sup>3+</sup> and Pb <sup>2+</sup> ions	Inorganic Chemistry Communicatio ns	145				3.428	10.1016/j.inoche.202 2.109983

1197	Radhakrishnan J., Ratna S., Biswas K.	Metal oxide/2D layered TMDs composites for H <sub>2</sub> evolution reaction via photocatalytic water splitting – A mini review	Inorganic Chemistry Communicatio ns	145				3.428	10.1016/j.inoche.202 2.109971
1198	Kiruthiga G., Rajni K.S., Geethanjali N., Raguram T., Nandhakumar E., Senthilkumar N.	SnO <sub>2</sub> : Investigation of optical, structural, and electrical properties of transparent conductive oxide thin films prepared by nebulized spray pyrolysis for photovoltaic applications	Inorganic Chemistry Communicatio ns	145				3.428	10.1016/j.inoche.202 2.109968
1199	Sivagami M., Asharani I.V.	Phyto-mediated Ni/NiO NPs and their catalytic applications-a short review	Inorganic Chemistry Communicatio ns	145				3.428	10.1016/j.inoche.202 2.110054
1200	Saravanan V., Lakshmanan P., Palanisami N., Amalraj J., Pyarasani R.D., Ramalingan C.	2D/3D- C <sub>3</sub> N <sub>4</sub> /CeO <sub>2</sub> S- scheme heterojunctions with enhanced photocatalytic performance	Inorganic Chemistry Communicatio ns	146				3.428	10.1016/j.inoche.202 2.110189

1201	Cao X.-Z., Gadekallu T.R.	Construction of Sports Safety Information Mining Platform Based on Multimedia Data Sharing Technology	Mobile Networks and Applications					3.426	10.1007/s11036-021-01884-5
1202	Shen Y.-B., Gadekallu T.R.	Resource Search Method of Mobile Intelligent Education System Based on Distributed Hash Table	Mobile Networks and Applications					3.426	10.1007/s11036-022-01940-8
1203	Mahajan N., Chauhan A., Kumar H., Kaushal S., Sangaiah A.K.	A Deep Learning Approach to Detection and Mitigation of Distributed Denial of Service Attacks in High Availability Intelligent Transport Systems	Mobile Networks and Applications					3.426	10.1007/s11036-022-01973-z
1204	Somasundaram M., Narendrakumar U., Raja Annamalai A.	Effect of heat treatment on fatigue behaviour of stir-cast EV31A magnesium alloy	Materials Letters	313				3.423	10.1016/j.matlet.2022.131721

1205	Kalangadan N., Mary A.S., Jyothi R.H., Punniyakoti S., Sundaresan S., Alagarsamy R.K., Rajaram K.	Characterization and antimicrobial evaluation of green synthesized silver nanoparticle thin films with reusable applications	Materials Letters	314				3.423	10.1016/j.matlet.2022 .131923
1206	Ramakrishnan K., Karthikeyan S., Rajagopal D.	2-Methoxy-4-(4- (((6- nitrobenzothiazol-2- yl)amino)methyl)- 1-phenyl-1H- pyrazol-3-yl) phenol as powerful anti- corrosion inhibitor substantiated by Langmuir adsorption studies	Materials Letters	313				3.423	10.1016/j.matlet.2022 .131823

1207	Nandhakumar E., Selvakumar P., Sasikumar A., Prem kumar M., Vivek E., Kamatchi R.	Facile eco- friendly synthesis of rare-earth cobaltite-based perovskite nanostructures as electrocatalysts for oxygen evolution reaction	Materials Letters	315				3.423	10.1016/j.matlet.2022 .132002
1208	Vijayan K., Thirumalaisamy L., Fa Jonny Qiu R., Kim M., Vijayachamundeesw ari S.P., Sivaperuman K., Ahsan N., Okada Y.	Enhanced multifunctional attributes of Tellurium incorporated CuGaS <sub>2</sub> thin films employing spray pyrolysis route	Materials Letters	323				3.423	10.1016/j.matlet.2022 .132564
1209	Perumal K., Mohan S., Frnda J., Divakarachari P.B.	Dynamic resource provisioning and secured file sharing using virtualization in cloud azure	Journal of Cloud Computing	11	1			3.418	10.1186/s13677-022- 00326-1
1210	Priyadarshini R., Quadir Md A., Rajendran N., Neelananarayanan V., Sabireen H.	An enhanced encryption-based security framework in the CPS Cloud	Journal of Cloud Computing	11	1			3.418	10.1186/s13677-022- 00336-z

1211	Manojkumar N., Srimuruganandam B.	Spatio-temporal health benefits attributable to PM2.5 reduction in an Indian city	International Journal of Environmental Health Research					3.411	10.1080/09603123.20 22.2040959
1212	L.B K.	Survey on the Applications of Blockchain in Agriculture	Agriculture (Switzerland)	12	9			3.408	10.3390/agriculture12 091333
1213	Prasanth A., Meher S.R., Alex Z.C.	Metal oxide thin films coated evanescent wave based fiber optic VOC sensor	Sensors and Actuators A: Physical	338				3.407	10.1016/j.sna.2022.11 3459
1214	Vidya B., P S.	Wearable multi- sensor data fusion approach for human activity recognition using machine learning algorithms	Sensors and Actuators A: Physical	341				3.407	10.1016/j.sna.2022.11 3557
1215	Yadav P.V.K., Yadav I., Ajitha B., Rajasekar A., Gupta S., Ashok Kumar Reddy Y.	Advancements of uncooled infrared microbolometer materials: A review	Sensors and Actuators A: Physical	342				3.407	10.1016/j.sna.2022.11 3611



1216	Manikandan M., Arjunan A., Prabu M., Raja T., Sangeetha P.	Comparative investigation on the catalytic performance of HT/SBA-15 and SBA-15/HT composites for the isomerization of glucose to fructose	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	286				3.407	10.1016/j.mseb.2022. 116052
1217	Shobana M.K., Nandhini G., Kavita S., Suresh Kumar V., Pazhanivel T.	Photocatalytic and magnetic properties of Mg substituted cobalt ferrite	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	286				3.407	10.1016/j.mseb.2022. 116030
1218	Lavanya K., Devi K.V., Tapas Babu B.R.	Deep Reinforcement Extreme Learning Machines for Secured Routing in Internet of Things (IoT) Applications	Intelligent Automation and Soft Computing	34	2	837	848	3.401	10.32604/iasc.2022.0 23055
1219	Yuvaraj D., Priya S.S., Braveen M., Krishnan S.N., Nachiyappan S., Mehbodniya A., Ahamed A.M.U., Sivaram M.	Novel DoS Attack Detection Based on Trust Mode Authentication for IoT	Intelligent Automation and Soft Computing	34	3	1505	1522	3.401	10.32604/iasc.2022.0 22151

1220	Sekar M., Thirumurugan K.	Autophagy: a molecular switch to regulate adipogenesis and lipolysis	Molecular and Cellular Biochemistry					3.396	10.1007/s11010-021-04324-w
1221	Saleem M.F., Ghaffar A., Ur Rahman M.H., Imran M., Iqbal R., Soufan W., Danish S., Datta R., Rajendran K., El Sabagh A.	Effect of Short-Term Zero Tillage and Legume Intercrops on Soil Quality, Agronomic and Physiological Aspects of Cotton under Arid Climate	Land	11	2			3.395	10.3390/land11020289
1222	Mujeeb Rahman K.K., Subashini M.M.	Identification of Autism in Children Using Static Facial Features and Deep Neural Networks	Brain Sciences	12	1			3.394	10.3390/brainsci12010094
1223	Charlton C., Mani R.R., Chinnappan S., Balaraman A.K., Muthusamy T., Paranjothy C., Suresh D., Krishnan S., Lokhotiya K., Muthukaliannan G.K., Baxi S., Jayaraj R.	Bibliometric and Density Visualisation Mapping Analysis of Domestic Violence in Australia Research Output 1984–2019	International Journal of Environmental Research and Public Health	19	8			3.390	10.3390/ijerph19084837

1224	Jaipriya D., Sriharipriya K.C.	A comparative analysis of masking empirical mode decomposition and a neural network with feed-forward and back propagation along with masking empirical mode decomposition to improve the classification performance for a reliable brain-computer interface	Frontiers in Computational Neuroscience	16				3.387	10.3389/fncom.2022.1010770
1225	Vishnu J., Manivasagam G., Rao N., Rack H.J.	Fatigue and corrosion resistance of low modulus Ti-35Nb-7Zr-5Ta-0.35O beta Ti alloy for orthopedic implant applications	Materials Today Communications	31				3.383	10.1016/j.mtcomm.2022.103366

1226	Dara A., Bahubalendruni M.A.R., Johnney Mertens A., Balamurali G.	Numerical and experimental investigations of novel nature inspired open lattice cellular structures for enhanced stiffness and specific energy absorption	Materials Today Communicatio ns	31				3.383	10.1016/j.mtcomm.20 22.103286
1227	Patel V.D., Gupta D.	Solution- processed metal- oxide based hole transport layers for organic and perovskite solar cell: A review	Materials Today Communicatio ns	31				3.383	10.1016/j.mtcomm.20 22.103664
1228	Kang D., Devi S.A., Felix A., Narayanamoorthy S., Kalaiselvan S., Balaenu D., Ahmadian A.	Intuitionistic fuzzy MAUT-BW Delphi method for medication service robot selection during COVID-19	Operations Research Perspectives	9				3.382	10.1016/j.orp.2022.10 0258

1229	Rajasekhar S., Das S., Karuppasamy R., Musuvathi Motilal B., Chanda K.	Identification of novel inhibitors for Prp protein of Mycobacterium tuberculosis by structure based drug design, and molecular dynamics simulations	Journal of Computational Chemistry					3.376	10.1002/jcc.26823
1230	Tan L.A., Yoganandan N., Choi H., Purushothaman Y., Jebaseelan D., Bosco A.	Biomechanical Analysis of 3-Level Anterior Cervical Discectomy and Fusion Under Physiologic Loads Using a Finite Element Model	Neurospine	19	2	385	392	3.374	10.14245/ns.2143230.615
1231	Reddy A.K.V.K., Narayana K.V.L.	Investigation of a Multi-strategy ensemble social group optimization algorithm for the optimization of energy management in electric vehicles	IEEE Access					3.367	10.1109/ACCESS.2022.3144065

1232	Javed A.R., Ahmed W., Alazab M., Jalil Z., Kifayat K., Gadekallu T.R.	A Comprehensive Survey on Computer Forensics: State-of-the-art, Tools, Techniques, Challenges, and Future Directions	IEEE Access					3.367	10.1109/ACCESS.2022.3142508
1233	Khasim S.R., C D.	Design and Implementation of Asymmetrical Multilevel Inverter with Reduced Components and Low Voltage Stress	IEEE Access					3.367	10.1109/ACCESS.2022.3140354
1234	Philip N.Y., Razaak M., Chang J., Suchetha M.S., Okane M., Pierscionek B.K.	A Data Analytics Suite for Exploratory Predictive, and Visual Analysis of Type 2 Diabetes	IEEE Access	10		13460	13471	3.367	10.1109/ACCESS.2022.3146884

1235	Sureshkumar A., Gunabalan R.	Design of Robust Guaranteed Margin Stability Region PI Controller for Automotive LED Lighting with Parameter Uncertainty	IEEE Access	10		15657	15670	3.367	10.1109/ACCESS.2022 .3146392
1236	Duan Y., Chen N., Chang L., Ni Y., Santhosh Kumar S.V.N., Zhang P.	CAPSO: Chaos Adaptive Particle Swarm Optimization Algorithm	IEEE Access					3.367	10.1109/ACCESS.2022 .3158666
1237	Raja S.P., Sawicka B., Stamenkovic Z., Mariammal G.	Crop Prediction Based on Characteristics of the Agricultural Environment Using Various Feature Selection Techniques and Classifiers	IEEE Access	10		23625	23641	3.367	10.1109/ACCESS.2022 .3154350
1238	Manna S., Geetha M., Ghildiyal S., Stonier A.A., Peter G., Ganji V., Murugesan S.	Ant Colony Optimization Tuned Closed- Loop Optimal Control Intended For Vehicle Active Suspension System	IEEE Access					3.367	10.1109/ACCESS.2022 .3164522

1239	Kathiravelu P., Arnold M., Fleischer J., Yao Y., Awasthi S., Goel A.K., Branen A., Sarikhani P., Kumar G., Kothare M., Mahmoudi B.	CONTROL-CORE: A Framework for Simulation and Design of Closed-Loop Peripheral Neuromodulation Control Systems	IEEE Access					3.367	10.1109/ACCESS.2022.3161471
1240	Kiran S.R., Basha C.H.H., Singh V.P., Dhanamjayulu C., Prusty B.R., Khan B.	Reduced Simulative Performance Analysis of Variable Step Size ANN Based MPPT Techniques for Partially Shaded Solar PV Systems	IEEE Access	10		48875	48889	3.367	10.1109/ACCESS.2022.3172322
1241	Thirunavukkarasu M.K., Veerappapillai S., Karuppasamy R.	Computational biophysics approach towards the discovery of multi-kinase blockers for the management of MAPK pathway dysregulation	Molecular Diversity					3.364	10.1007/s11030-022-10545-y



1242	Rajendran Krishnamoorthy H.N., Karuppasamy R.	Designing a novel SOX9 based multi-epitope vaccine to combat metastatic triple-negative breast cancer using immunoinformatics approach	Molecular Diversity						3.364	10.1007/s11030-022-10539-w
1243	Karunakaran K., Muniyan R.	Identification of allosteric inhibitor against AKT1 through structure-based virtual screening	Molecular Diversity						3.364	10.1007/s11030-022-10582-7
1244	Smile S.S., Novanna M., Kannadasan S., Shanmugam P.	DMSO-allyl bromide: A mild and efficient reagent for atom economic one-pot: N-allylation and bromination of 2°-aryl amines, 2-aryl aminoamides, indoles and 7-aza indoles	RSC Advances	12	3	1834	1839		3.361	10.1039/d1ra08588c

1245	Benny A.T., Radhakrishnan E.K.	Advances in the site-selective C-5, C-3 and C-2 functionalization of chromones: Via sp <sup>2</sup> C-H activation	RSC Advances	12	6	3343	3358	3.361	10.1039/d1ra08214k
1246	Jothi D., Munusamy S., Manoj kumar S., Enbanathan S., Kulathu Iyer S.	A benzothiazole-based new fluorogenic chemosensor for the detection of CN <sup>-</sup> and its real-time application in environmental water samples and living cells	RSC Advances	12	14	8570	8577	3.361	10.1039/d1ra08846g
1247	Sivagami K., Kumar K.V., Tamizhdurai P., Govindarajan D., Kumar M., Nambi I.	Conversion of plastic waste into fuel oil using zeolite catalysts in a bench-scale pyrolysis reactor	RSC Advances	12	13	7612	7620	3.361	10.1039/d1ra08673a
1248	Jayasudha M., Elangovan M., Mahdal M., Priyadarshini J.	Accurate Estimation of Tensile Strength of 3D Printed Parts Using Machine Learning Algorithms	Processes	10	6			3.352	10.3390/pr10061158

1249	Gayathri R., Rani S.U., Čepová L., Rajesh M., Kalita K.	A Comparative Analysis of Machine Learning Models in Prediction of Mortar Compressive Strength	Processes	10	7			3.352	10.3390/pr10071387
1250	Md A.Q., Jha K., Haneef S., Sivaraman A.K., Tee K.F.	A Review on Data Driven Quality Prediction in the Production Process with Machine Learning for Industry 4.0	Processes	10	10			3.352	10.3390/pr10101966
1251	Nivedhitha D.M., Jeyanthi S.	Polyvinylidene fluoride, an advanced futuristic smart polymer material: A comprehensive review	Polymers for Advanced Technologies					3.348	10.1002/pat.5914
1252	Sivanesan I., Muthu M., Kannan A., Pushparaj S.S.C., Oh J.-W., Gopal J.	Identification of Epigallocatechin-3-Gallate (EGCG) from Green Tea Using Mass Spectrometry	Separations	9	8			3.344	10.3390/separations9080209

1253	Nandhini Abirami R., Durai Raj Vincent P.M., Srinivasan K., Manic K.S., Chang C.-Y.	Multimodal Medical Image Fusion of Positron Emission Tomography and Magnetic Resonance Imaging Using Generative Adversarial Networks	Behavioural Neurology	2022				3.342	10.1155/2022/6878783
1254	Panchal N.K., Mohanty S., Prince S.E.	NIMA-related kinase-6 (NEK6) as an executable target in cancer	Clinical and Translational Oncology					3.340	10.1007/s12094-022-02926-4
1255	Barathan V., Rajamohan V.	Nonlinear buckling analysis of a sandwich composite semi-ellipsoidal shell under hydrostatic pressure: A numerical and experimental investigation	Mechanics of Advanced Materials and Structures					3.338	10.1080/15376494.2022.2114049

1256	Gunasegeran M., Sudhagar P.E.	Evaluation, optimization and prediction of the transverse shear modulus of biomimetic 3D printed sandwich core	Mechanics of Advanced Materials and Structures					3.338	10.1080/15376494.20 22.2124332
1257	Barathan V., Rajamohan V., Haboussi M., Manickam G.	Variable stiffness composite laminated beams - nonlinear free flexural vibration behavior using a sinusoidal based shear flexible structural theory accounting for Poisson's effect	International Journal of Non- Linear Mechanics	146				3.336	10.1016/j.ijnonlinmec .2022.104146
1258	Fred A.L., Kumar S.N., Haridhas A.K., Ghosh S., Bhuvana H.P., Sim W.K.J., Vimalan V., Givo F.A.S., Jousmäki V., Padmanabhan P., Gulyás B.	A Brief Introduction to Magnetoenceph alography (MEG) and Its Clinical Applications	Brain Sciences	12	6			3.333	10.3390/brainsci1206 0788

1259	Hiremath S., Viswanathan P.	Oxalobacter formigenes: A new hope as a live biotherapeutic agent in the management of calcium oxalate renal stones	Anaerobe	75				3.331	10.1016/j.anaerobe.2022.102572
1260	Santhosh Kumar V., Chandrasekaran S.S.	Impact Analysis of a Building Collapse Caused by a Rainfall-Induced Landslide in Kerala, India	Buildings	12	9			3.324	10.3390/buildings12091395
1261	Shivakumar M., Singh A., Selvaraj T., Thangaraj S.	Production of the Traditional Organic Mortars of Padmanabhapuram Palace—A Characterization Study on the Simulated Mortars for Their Compatibility	Buildings	12	9			3.324	10.3390/buildings12091466

1262	Ahmed E S J., Ganesh G.M.	A Comprehensive Overview on Corrosion in RCC and Its Prevention Using Various Green Corrosion Inhibitors	Buildings	12	10			3.324	10.3390/buildings12101682
1263	Muralidhar B., Victoria G.G., Kumar K.S., Reddy S.R.	Copper-Mediated Relay Strategy Using Chlorination/Oxidation: An Effective Synthesis of Functionalized Coumarin Derivatives	Asian Journal of Organic Chemistry					3.319	10.1002/ajoc.202200044
1264	Thalakottukara D.D., Gandhi T.	NHC-Organocatalysed Hydroacylation of Unactivated or Weakly Activated C-C Multiple Bonds and Ketones	Asian Journal of Organic Chemistry					3.319	10.1002/ajoc.202200080

1265	Majumder J., Gupta A.K., Kumar P., Kuppusamy M., Nirmal B.	Late Quaternary variations in the Oxygen Minimum Zone linked to monsoon shifts as seen in the sediment of the outer continental shelf of the eastern Arabian Sea	Palaeogeography, Palaeoclimatology, Palaeoecology	591				3.318	10.1016/j.palaeo.2022.110891
1266	Aditya M.N., Chellapandi T., Prasad G.K., Venkatesh M.J.P., Khan M.M.R., Madhumitha G., Roopan S.M.	Biosynthesis of rod shaped Gd <sub>2</sub> O <sub>3</sub> on g-C <sub>3</sub> N <sub>4</sub> as nanocomposite for visible light mediated photocatalytic degradation of pollutants and RSM optimization	Diamond and Related Materials	121				3.315	10.1016/j.diamond.2021.108790



1267	Gawas P.P., Bora A., Reji R.P., Cb S.K., Ramakrishna B., Nalluri V., Jayaraman S.V., Sivalingam Y., Nutalapati V.	Tuning the $\pi$ - Conjugation of 2- Thiohydantoins toward a Rigorously Defined Detection of Volatile Organic Compounds by Surface Photovoltage	ACS Applied Electronic Materials					3.314	10.1021/acsaelm.2c0 0149
1268	Vijayakumar V., Aldosary S.F., Nisar K.S.	Exact Controllability Results for Sobolev-Type Hilfer Fractional Neutral Delay Volterra- Fredholm Integro- Differential Systems	Fractal and Fractional	6	2			3.313	10.3390/fractalfract6 020081
1269	Vijayakumar V., Nisar K.S., Chalishajar D., Shukla A., Malik M., Alsaadi A., Aldosary S.F.	A Note on Approximate Controllability of Fractional Semilinear Integrodifferenti al Control Systems via Resolvent Operators	Fractal and Fractional	6	2			3.313	10.3390/fractalfract6 020073

1270	Omar M.B., Bingi K., Rajanarayan Prusty B., Ibrahim R.	Recent Advances and Applications of Spiral Dynamics Optimization Algorithm: A Review	Fractal and Fractional	6	1			3.313	10.3390/fractalfract6 010027
1271	Jagtap M.M., Saravanan R.D.	Intelligent software defined networking: Long short term memory-graded rated unit enabled block- attack model to tackle distributed denial of service attacks	Transactions on Emerging Telecommunic ations Technologies					3.31	10.1002/ett.4594
1272	Kavitha D., Vidhya A., Prema V., Priyadharshini M., Kumaresan G., Sangeetha G.	An efficient IoMT based health monitoring using complex valued deep CNN and political optimizer	Transactions on Emerging Telecommunic ations Technologies					3.31	10.1002/ett.4610

1273	Raja Sree T.	Role of fog-assisted Industrial Internet of Things: A systematic review	Transactions on Emerging Telecommunications Technologies					3.31	10.1002/ett.4611
1274	Gayathri A., Ruby D., Manikandan N., Gopalakrishnan T., Anusha K., Narayanasamy P.	Data location integration with stable routing: Stable and optimal data transmission in wireless sensor networks	Transactions on Emerging Telecommunications Technologies					3.310	10.1002/ett.4627
1275	Karunanithy K., Velusamy B.	An efficient data collection using wireless sensor networks and internet of things to monitor the wild animals in the reserved area	Peer-to-Peer Networking and Applications					3.307	10.1007/s12083-021-01289-x
1276	Ranjan H., Dwivedi A.K., Prakasam P.	An optimized architecture and algorithm for resource allocation in D2D aided fog computing	Peer-to-Peer Networking and Applications					3.307	10.1007/s12083-022-01294-8

1277	Babu A.N., Vishnu J., Nandakumar S., Velmurugan T.	Resource allocation and optimization in D2D communication with PDRAPC framework	Peer-to-Peer Networking and Applications					3.307	10.1007/s12083-022-01299-3
1278	Keerthika A., Berlin Hency V.	Reinforcement-Learning based energy efficient optimized routing protocol for WSN	Peer-to-Peer Networking and Applications	15	3	1685	1704	3.307	10.1007/s12083-022-01315-6
1279	Mahalakshmi R., Ramesh N.	Occurrence and distribution of heavy metals in water and soil sediments of Vellore District, Tamil Nadu, India	Environmental Monitoring and Assessment	194	12			3.307	10.1007/s10661-022-10527-5
1280	Jeyapaul A.S., Ganesapillai M.	Reduction of sulphur dioxide emission into the environment by adsorption on enhanced $\alpha$ -hematite surface	Environmental Monitoring and Assessment	194	12			3.307	10.1007/s10661-022-10531-9

1281	Saleem K., Saleem M., Zeeshan R., Javed A.R., Alazab M., Gadekallu T.R., Suleman A.	Situation-aware BDI Reasoning to Detect Early Symptoms of Covid 19 using Smartwatch	IEEE Sensors Journal					3.301	10.1109/JSEN.2022.3156819
1282	Mohanraj J., Valliammai M., Sridevi S., Kanimozhi T., Vinodhkumar N., Sivabalan S.	All Fiber-Optic Multi-Gas (NH <sub>3</sub> , NO <sub>2</sub> and CO) Sensor based on MoWS <sub>2</sub> coated Fiber	IEEE Sensors Journal			1	1	3.301	10.1109/JSEN.2022.3176862
1283	Kumar A., Chaturvedi D., Rosaline S.I.	Design of Antenna-Multiplexer for Seamless On-Body Internet of Medical Things (IoMT) Connectivity	IEEE Transactions on Circuits and Systems II: Express Briefs					3.292	10.1109/TCSII.2022.3170513
1284	Malathi V., Vijaya K.	Subclass of analytic functions involving Erdély–Kober type integral operator in conic regions and applications to neutrosophic Poisson distribution	Physica A: Statistical Mechanics and its Applications	600				3.263	10.1016/j.physa.2022.127595

1285	Rajkumar D., Reddy A.S.	Pulsating hydromagnetic flow of Au-blood micropolar nanofluid in a channel with Ohmic heating, thermal radiation and heat source/sink	Nonlinear Analysis: Modelling and Control	27	3	576	591	3.257	10.15388/namc.2022.27.26602
1286	Aljafari B., Rameshkumar K., Indragandhi V., Ramachandran S.	A Novel Single-Phase Shunt Active Power Filter with a Cost Function Based Model Predictive Current Control Technique	Energies	15	13			3.252	10.3390/en15134531
1287	Baranidharan M., Singh R.R.	AI Energy Optimal Strategy on Variable Speed Drives for Multi-Parallel Aqua Pumping System	Energies	15	12			3.252	10.3390/en15124343

1288	Ramalingam S.P., Shanmugam P.K.	Hardware Implementation of a Home Energy Management System Using Remodeled Sperm Swarm Optimization (RMSSO) Algorithm	Energies	15	14			3.252	10.3390/en15145008
1289	Mounica V., Obulesu Y.P.	Hybrid Power Management Strategy with Fuel Cell, Battery, and Supercapacitor for Fuel Economy in Hybrid Electric Vehicle Application	Energies	15	12			3.252	10.3390/en15124185
1290	Geddani K.K., Devaraj E.	Real Time Hardware-in-Loop Implementation of LLC Resonant Converter at Worst Operating Point Based on Time Domain Analysis	Energies	15	10			3.252	10.3390/en15103634

1291	Feroskhan M., Sreekanth M., Karunamurthy K., Sivakumar R., Sinaga N., Yunus Khan T.M.	Regression- Analysis-Based Empirical Correlations to Design Regenerative Flow Machines	Energies	15	11			3.252	10.3390/en15113861
1292	Greco A., Gundabattini E., Solomon D.G., Singh Rassiah R., Masselli C.	A Review on Geothermal Renewable Energy Systems for Eco-Friendly Air-Conditioning	Energies	15	15			3.252	10.3390/en15155519
1293	Gopinathan N., Shanmugam P.K.	Energy Anxiety in Decentralized Electricity Markets: A Critical Review on EV Models	Energies	15	14			3.252	10.3390/en15145230
1294	Selvan J., Manavalla S.	Numerical Analysis of E- Machine Cooling Using Phase Change Material	Energies	15	15			3.252	10.3390/en15155594



1295	Bairabathina S., Balamurugan S.	Design and Validation of a SEPIC-Based Novel Multi-Input DC-DC Converter for Grid-Independent Hybrid Electric Vehicles	Energies	15	15			3.252	10.3390/en15155663
1296	Aljafari B., Ramu S.K., Devarajan G., Vairavasundaram I.	Integration of Photovoltaic-Based Transformerless High Step-Up Dual-Output–Dual-Input Converter with Low Power Losses for Energy Storage Applications	Energies	15	15			3.252	10.3390/en15155559
1297	Boopathi N.G., Muthuraman M.S., Palka R., Wardach M., Prajzendanc P., Gundabattini E., Rassiah R.S., Solomon D.G.	Modeling and Simulation of Electric Motors Using Lightweight Materials	Energies	15	14			3.252	10.3390/en15145183
1298	Kondaiah V.Y., Saravanan B.	Short-Term Load Forecasting with a Novel Wavelet-Based Ensemble Method	Energies	15	14			3.252	10.3390/en15145299

1299	Ashok B., Kannan C., Mason B., Ashok S.D., Indragandhi V., Patel D., Wagh A.S., Jain A., Kavitha C.	Towards Safer and Smarter Design for Lithium-Ion-Battery-Powered Electric Vehicles: A Comprehensive Review on Control Strategy Architecture of Battery Management System	Energies	15	12			3.252	10.3390/en15124227
1300	Kayalvizhi J., Vijaya Kumar A.G., Öztöp H.F., Sene N., Abu-Hamdeh N.H.	Heat Transfer Enhancement through Thermodynamical Activity of H <sub>2</sub> O/Clay Nanofluid Flow over an Infinite Upright Plate with Caputo Fractional-Order Derivative	Energies	15	16			3.252	10.3390/en15166082
1301	Aljafari B., Loganathan A.K., Vairavasundaram I., Ramachadran S., Nagarajan A.P.	Analysis of a Photovoltaic System Based on a Highly Efficient Single-Phase Transformerless Inverter	Energies	15	17			3.252	10.3390/en15176145

1302	Priya M., Ponnambalam P.	Circulating Current Control of Phase-Shifted Carrier-Based Modular Multilevel Converter Fed by Fuel Cell Employing Fuzzy Logic Control Technique	Energies	15	16			3.252	10.3390/en15166008
1303	Karthikeyan B., Gokuladoss V.	Fusion of Vermicompost and Sewage Sludge as Dark Fermentative Biocatalyst for Biohydrogen Production: A Kinetic Study	Energies	15	19			3.252	10.3390/en15196917
1304	Ramachandran V., Perumal A.S., Lakshmaiya N., Paramasivam P., Dhanasekaran S.	Unified Power Control of Permanent Magnet Synchronous Generator Based Wind Power System with Ancillary Support during Grid Faults	Energies	15	19			3.252	10.3390/en15197385

1305	Sreedhar S., Indragandhi V.	A Comprehensive Framework for Direct Lightning-Structure-Human Interaction Modelling in Heritage Monuments and Safety Assessment	Energies	15	19			3.252	10.3390/en15197053
1306	Kumar S., Murugesan M.	Lead-Free and Stable Potassium Titanium Halide Perovskites: Synthesis, Characterization and Solar Cell Simulation	Energies	15	19			3.252	10.3390/en15196963
1307	Aljafari B., Vasantharaj S., Indragandhi V., Vaibhav R.	Optimization of DC, AC, and Hybrid AC/DC Microgrid-Based IoT Systems: A Review	Energies	15	18			3.252	10.3390/en15186813
1308	Renganathan M., Hossain M.	Numerical Analysis of a Horizontal Pressure Differential Wave Energy Converter	Energies	15	20			3.252	10.3390/en15207513

1309	Madhavaram P.R., Manimozhi M.	Smart Energy Management Strategy for Microgrids Powered by Heterogeneous Energy Sources and Electric Vehicles' Storage	Energies	15	20			3.252	10.3390/en15207739
1310	Venkatesan V.K., Izonin I., Periyasamy J., Indirajithu A., Batyuk A., Ramakrishna M.T.	Incorporation of Energy Efficient Computational Strategies for Clustering and Routing in Heterogeneous Networks of Smart City	Energies	15	20			3.252	10.3390/en15207524
1311	Jagadeesh I., Indragandhi V.	Comparative Study of DC-DC Converters for Solar PV with Microgrid Applications	Energies	15	20			3.252	10.3390/en15207569

1312	Kayalvizhi J., Vijaya Kumar A.G.	Entropy Analysis of EMHD Hybrid Nanofluid Stagnation Point Flow over a Porous Stretching Sheet with Melting Heat Transfer in the Presence of Thermal Radiation	Energies	15	21			3.252	10.3390/en15218317
1313	Mohanty B., Madurai Elavarasan R., Hasanien H.M., Devaraj E., Turkey R.A., Pugazhendhi R.	Parameters Identification of Proton Exchange Membrane Fuel Cell Model Based on the Lightning Search Algorithm	Energies	15	21			3.252	10.3390/en15217893
1314	Alzahrani A., Ramu S.K., Devarajan G., Vairavasundaram I., Vairavasundaram S.	A Review on Hydrogen-Based Hybrid Microgrid System: Topologies for Hydrogen Energy Storage, Integration, and Energy Management with Solar and Wind Energy	Energies	15	21			3.252	10.3390/en15217979

1315	Vasantharaj S., Indragandhi V., Bharathidasan M., Aljafari B.	Power Quality Analysis of a Hybrid Microgrid- Based SVM Inverter-Fed Induction Motor Drive with Modulation Index Diversification	Energies	15	21			3.252	10.3390/en15217916
1316	Gomez J.M., Shanmugam P.K.	Flexible Power Point Tracking Using a Neural Network for Power Reserve Control in a Grid- Connected PV System	Energies	15	21			3.252	10.3390/en15218234
1317	Swaminathan D., Rajagopalan A.	Optimized Network Reconfiguration with Integrated Generation Using Tangent Golden Flower Algorithm	Energies	15	21			3.252	10.3390/en15218158
1318	Madhavan S., P B R.D., Gundabattini E., Mystkowski A.	Thermal Analysis and Heat Management Strategies for an Induction Motor, a Review	Energies	15	21			3.252	10.3390/en15218127

1319	Yadav A.S., Alam T., Gupta G., Saxena R., Gupta N.K., Allamraju K.V., Kumar R., Sharma N., Sharma A., Pandey U., Agrawal Y.	A Numerical Investigation of an Artificially Roughened Solar Air Heater	Energies	15	21			3.252	10.3390/en15218045
1320	Peter G., Stonier A.A., Gupta P., Gavilanes D., Vergara M.M., Lung sin J.	Smart Fault Monitoring and Normalizing of a Power Distribution System Using IoT	Energies	15	21			3.252	10.3390/en15218206
1321	Ramshanker A., Isaac J.R., Jeyeraj B.E., Swaminathan J., Kuppan R.	Optimal DG Placement in Power Systems Using a Modified Flower Pollination Algorithm	Energies	15	22			3.252	10.3390/en15228516
1322	Rajagopalan A., Swaminathan D., Alharbi M., Sengan S., Montoya O.D., El- Shafai W., Fouda M.M., Aly M.H.	Modernized Planning of Smart Grid Based on Distributed Power Generations and Energy Storage Systems Using Soft Computing Methods	Energies	15	23			3.252	10.3390/en15238889



1323	Rajagopalan A., Nagarajan K., Montoya O.D., Dhanasekaran S., Kareem I.A., Perumal A.S., Lakshmaiya N., Paramasivam P.	Multi-Objective Optimal Scheduling of a Microgrid Using Oppositional Gradient-Based Grey Wolf Optimizer	Energies	15	23			3.252	10.3390/en15239024
1324	Kumar G.N., Gundabattini E.	Investigation of Supercritical Power Plant Boiler Combustion Process Optimization through CFD and Genetic Algorithm Methods	Energies	15	23			3.252	10.3390/en15239076
1325	Chauhan K., Daniel J., Manavalla S., Jayaraju P.	Design and Experimental Studies of a Funnel Solar Cooker with Phase Change Material	Energies	15	23			3.252	10.3390/en15239182
1326	Cuce E., Cuce P.M., Saboor S., Ghosh A., Sheikhnejad Y.	Floating PVs in Terms of Power Generation, Environmental Aspects, Market Potential, and Challenges	Sustainability (Switzerland)	14	5			3.251	10.3390/su14052626

1327	Kumar K., Singh A., Shaik S., Saleel C.A., Aabid A., Baig M.	Comparative Analysis on Dehumidification Performance of KCOOH–LiCl Hybrid Liquid Desiccant Air- Conditioning System: An Energy-Saving Approach	Sustainability (Switzerland)	14	6			3.251	10.3390/su14063441
1328	Arul G.P., Thulasi S., Kumar P., Arunprasad V., Shaik S., Abbas M., Rajendran P., Khan S.A., Saleel C.A.	Investigation of Dual–Pass Inclined Oscillating Bed Solar Dryer for Drying of Non- Parboiled Paddy Grains	Sustainability (Switzerland)	14	9			3.251	10.3390/su14095558
1329	Mangan P., Pandi D., Haq M.A., Sinha A., Nagarajan R., Dasani T., Keshta I., Alshehri M.	Analytic Hierarchy Process Based Land Suitability for Organic Farming in the Arid Region	Sustainability (Switzerland)	14	8			3.251	10.3390/su14084542
1330	Jenifer M.A., Jha M.K.	A Novel GIS- Based Modeling Approach for Evaluating Aquifer Susceptibility to Anthropogenic Contamination	Sustainability (Switzerland)	14	8			3.251	10.3390/su14084538

1331	Kumar R., Cuce E., Kumar S., Thapa S., Gupta P., Goel B., Saleel C.A., Shaik S.	Assessment of the Thermo- Hydraulic Efficiency of an Indoor-Designed Jet Impingement Solar Thermal Collector Roughened with Single Discrete Arc-Shaped Ribs	Sustainability (Switzerland)	14	6			3.251	10.3390/su14063527
1332	Saha P., Madliya S., Khare A., Subudhi I., Bhaskara Rao K.V.	Enzymatic biodegradation, kinetic study, and detoxification of Reactive Red-195 by Halomonas meridiana isolated from Marine Sediments of Andaman Sea, India	Environmental Technology (United Kingdom)					3.247	10.1080/09593330.20 22.2038276
1333	Anbarasi A., Ravi T., Manjula V.S., Brindha J., Saranya S., Ramkumar G., Rathi R.	A Modified Deep Learning Framework for Arrhythmia Disease Analysis in Medical Imaging Using Electrocardiogra m Signal	BioMed Research International	2022				3.246	10.1155/2022/520340 1

1334	Gupta S., Kalaivani S., Rajasundaram A., Ameta G.K., Oleiwi A.K., Dugbakie B.N.	Prediction Performance of Deep Learning for Colon Cancer Survival Prediction on SEER Data	BioMed Research International	2022				3.246	10.1155/2022/1467070
1335	Junath N., Bharadwaj A., Tyagi S., Sengar K., Hasan M.N.S., Jayasudha M.	Prognostic Diagnosis for Breast Cancer Patients Using Probabilistic Bayesian Classification	BioMed Research International	2022				3.246	10.1155/2022/1859222
1336	Srinivasan R., Lalitha T., Brintha N.C., Sterlin Minish T.N., Al Obaid S., Alharbi S.A., Sundaram S.R., Mahilraj J.	Predicting the Growth of F. proliferatum and F. culmorum and the Growth of Mycotoxin Using Machine Learning Approach	BioMed Research International	2022				3.246	10.1155/2022/9592365
1337	Nageswaran S., Arunkumar G., Bisht A.K., Mewada S., Kumar J.N.V.R.S., Jawarneh M., Asenso E.	Lung Cancer Classification and Prediction Using Machine Learning and Image Processing	BioMed Research International	2022				3.246	10.1155/2022/1755460

1338	Parvathy G., Kaliammal R., Devi V.K., Bharathi A.N., Vinitha G., Sankaranarayanan K., Sudhahar S.	Experimental and theoretical evaluation of a novel organic proton transfer crystal p- Toluidinium 5-chloro-2- hydroxybenzoate for third order nonlinear optical applications	Chinese Journal of Physics	75		76	89	3.237	10.1016/j.cjph.2021.1 2.013
1339	Reddy P.B.A., Salah T., Jakeer S., Mansour M.A., Rashad A.M.	Entropy generation due to magneto- natural convection in a square enclosure with heated corners saturated porous medium using Cu/water nanofluid	Chinese Journal of Physics	77		1863	1884	3.237	10.1016/j.cjph.2022.0 1.012

1340	RamKumar A., Marimuthu R.	Energy, exergy, economic, environmental (4E) and frequency distribution analysis of train wind gust with real-time data for energy harvesting	Environmental Research Communicatio ns	4	12			3.237	10.1088/2515- 7620/aca246
1341	Renu K., Vinayagam S., Madhyastha H., Madhyastha R., Maruyama M., Suman S., Arunachalam S., Vellingiri B., Valsala Gopalakrishnan A.	Exploring the Pattern of Metabolic Alterations Causing Energy Imbalance via PPAR $\alpha$ Dysregulation in Cardiac Muscle During Doxorubicin Treatment	Cardiovascular Toxicology					3.231	10.1007/s12012-022- 09725-x
1342	Das S., Thiagarajan V., Chandrasekaran N., Ravindran B., Mukherjee A.	Nanoplastics enhance the toxic effects of titanium dioxide nanoparticle in freshwater algae Scenedesmus obliquus	Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology	256				3.228	10.1016/j.cbpc.2022.1 09305

1343	Rahmani R., Molan K., Brojan M., Prashanth K.G., Stopar D.	High virucidal potential of novel ceramic–metal composites fabricated via hybrid selective laser melting and spark plasma sintering routes	International Journal of Advanced Manufacturing Technology					3.226	10.1007/s00170-022-08878-x
1344	Periane Natarajan S., Vaudreuil S., Chibane H., Morandeau A., Xavior M.A., Cormier J., Leroy R., Duchosal A.	Tool life and surface integrity characteristics in milling of SLM and C&W inconel 718 in dry and MQL condition	International Journal of Advanced Manufacturing Technology					3.226	10.1007/s00170-022-09327-5
1345	Rajamohan V., Sudhagar P.E., Praveen A.P., Topal U., Panda S.K., Vo-Duy T.	Optimal Response Prediction of Composite Honeycomb Sandwich Plate: Theoretical and Experimental Verification	International Journal of Applied Mechanics					3.224	10.1142/S1758825122500363

1346	Vimala A., Vandrangi S.K.	Development of porous materials based resistance pressure sensors and their biomedical applications: a review	International Journal of Polymeric Materials and Polymeric Biomaterials					3.221	10.1080/00914037.2022.2118275
1347	Tayal S., Smaani B., Rahi S.B., Upadhyay A.K., Bhattacharya S., Ajayan J., Jena B., Myeong I., Park B.-G., Song Y.S.	Incorporating Bottom-Up Approach Into Device/Circuit Co-Design for SRAM-Based Cache Memory Applications	IEEE Transactions on Electron Devices	69	11	6127	6132	3.221	10.1109/TED.2022.3210070
1348	Kautkar N.U., Premkartikkumar S.R.	An impact of emulsified cottonseed biodiesel with Nano additives on low heat rejection engine	Environment, Development and Sustainability					3.219	10.1007/s10668-021-02028-1
1349	Shankar A., Dayalan R., Chakraborty C., Dhasarathan C., Kumar M.	A modified social spider algorithm for an efficient data dissemination in VANET	Environment, Development and Sustainability					3.219	10.1007/s10668-021-01994-w



1350	Senthilkumar N., Raj P., Ranjitha J., Muniappan A.	A critical evaluation of additive blended cashew nut shell liquid blended biodiesel performance in compression ignition engine	Environment, Development and Sustainability					3.219	10.1007/s10668-021-02042-3
1351	Jacob A., Ashok B., Ong H.C., Le P.T.K.	Scaling-up heterotrophic cultures of <i>C. Pyrenoidosa</i> microalgae for sustainable synthesis of low-density biodiesel mixtures and predict CI engine behavior at optimal proportions	Environment, Development and Sustainability					3.219	10.1007/s10668-021-02060-1
1352	Vinodhini S., Sengani M., Choudhury A.A., Ramasubbu K., Chakraborty S., Banerjee M., Balaji M.P., Devi Rajeswari V.	Regulation of glucose transporter-4 intervention with <i>S. saman</i> leaves extract in streptozotocin-induced diabetic rats	Journal of Diabetes and its Complications	36	12			3.219	10.1016/j.jdiacomp.2022.108340

1353	Agarwal L., Sambasiva Rao K., Srivastava A., Tripathi S.	Ytterbium doped ZnO nanolaminated planar waveguide for ring resonator applications	Journal of Physics D: Applied Physics	55	22			3.207	10.1088/1361- 6463/ac57dd
1354	Chandhran K.S.D., Elavenil S.	A comprehensive state-of-the-art review of sustainable thermal insulation system used in external walls for reduction in energy consumption in buildings	International Journal of Green Energy					3.206	10.1080/15435075.20 22.2120769

1355	Katre K., Rao P.V.M., Raut R., Sharma A., Suryanarayana K., Tejaswi A., Raju M.R., Lakshmi D.V., Reddy T.S., Raju M.K., Jehangir S., Rather N., Bhat G.H., Nazir N., Sheikh J.A., Wang Y.P., Matta J.T., Ayangeakaa A.D., Garg U., Ghugre S.S., Trivedi T., Naidu B.S., Palit R., Saha S., Muralithar S., Singh R.P.	Chiral-like doublet band structure and octupole correlations in Ag 104	Physical Review C	106	3			3.199	10.1103/PhysRevC.106.034323
1356	P J., D B., Mani R., A D.S., Louhi-Kultanen M., G V., Al-Sehemi A.G.	Synthesis, structural, vibrational, molecular docking and nonlinear optical studies of (E)-N'-(2,3-dimethoxybenzylidene)-4-fluorobenzohydrazide	Journal of Molecular Structure	1254				3.196	10.1016/j.molstruc.2022.132375

1357	Balakrishnan C., Vinitha G., Meenakshisundaram S.P.	Novel C[ $\sigma$ ]H $\cdots$ O hydrogen- bonded supramolecular complexes of 18- crown-6 with 1- alkylpyridinium iodide and its amino derivatives: Third- order nonlinear optical properties and Hirshfeld surface analysis	Journal of Molecular Structure	1253				3.196	10.1016/j.molstruc.20 21.132310
1358	Arockiaraj M., Paul D., Klavžar S., Clement J., Tigga S., Balasubramanian K.	Relativistic distance based and bond additive topological descriptors of zeolite RHO materials	Journal of Molecular Structure	1250				3.196	10.1016/j.molstruc.20 21.131798
1359	Aatif A M., Kumar S.K.A.	Dual anion colorimetric and fluorometric sensing of arsenite and cyanide ions involving MLCT and CHEF pathways	Journal of Molecular Structure	1250				3.196	10.1016/j.molstruc.20 21.131677

1360	Karnan C., Rhoda J.C., Manikandan A., Vinitha G.	Supramolecular Assembly of Morpholin-4-ium hydroxy(diphenyl)acetate—Structural, Spectral and Nonlinear Optical Analyses	Journal of Molecular Structure	1250				3.196	10.1016/j.molstruc.2021.131719
1361	Kumar K., Rajathi S., Charles Vincent V., Sangeetha R., Bakiyaraj G., Kirubavathi K., Manivannan D., Selvaraju K., Vinitha G.	Crystal growth, physico-chemical and quantum chemical investigations on Butyl para-hydroxybenzoate single crystals for optical applications	Journal of Molecular Structure	1250				3.196	10.1016/j.molstruc.2021.131739
1362	Kole P.B., Singh F.V.	Metal-Free Synthesis and Photophysical Behaviour of Thermally Stable Blue Fluorescent Styryl-cored Biaryls by Ring Transformation of alpha-pyranone	Journal of Molecular Structure	1250				3.196	10.1016/j.molstruc.2021.131622

1363	Karuppusamy P., Sarveswari S.	A 4-phenyl thiophene appended 2,4- dinitrophenylhyd razone as a colorimetric chemosensor for selective detection of cyanide ion and its application for real-life samples	Journal of Molecular Structure	1248				3.196	10.1016/j.molstruc.20 21.131494
1364	Mahalakshmi P., Balraj V., Murugasen P., Vinitha G., Ragavendran V.	Synthesis, structural- spectral characterization and density functional theoretical studies of pyridine-4- carbohydrazide bis(4- hydroxynitroben zene)	Journal of Molecular Structure	1247				3.196	10.1016/j.molstruc.20 21.131362

1365	Sawminathan S., Munusamy S., Manickam S., Kulathulyer S.	A simple quinazolinone- isophorone based colorimetric chemosensor for the reversible detection of copper (II) and its application in real samples	Journal of Molecular Structure	1257				3.196	10.1016/j.molstruc.20 22.132633
1366	Krishnan M., Singh F.V.	Ultrasound- assisted synthesis, photophysical behaviour and single crystal X- ray analysis of highly functionalized prenylarenes	Journal of Molecular Structure	1256				3.196	10.1016/j.molstruc.20 22.132544
1367	Pandimeena G., Mathavan T., Samuel E.J.J., Benial A.M.F.	Conformational, spectroscopic, electronic and Molecular docking Studies on 2-methoxy-4- methyl-5- nitropyridine: A potential bioactive agent	Journal of Molecular Structure	1260				3.196	10.1016/j.molstruc.20 22.132762

1368	Rahul M.P., Clement J., Singh Junias J., Arockiaraj M., Balasubramanian K.	Degree-based entropies of graphene, graphyne and graphdiyne using Shannon's approach	Journal of Molecular Structure	1260				3.196	10.1016/j.molstruc.2022.132797
1369	John N.L., Abraham S., George J., Karuppasamy P., Senthilpandian M., Ramasamy P., Vinitha G.	Synthesis, structure, NBO, Hirshfeld surface, NMR, HOMO-LUMO, UV, photoluminescence, z scan, vibrational and thermal analysis of piperazinedium tetrakis ( $\mu$ -2-chloro)-diaqua-dichloro-di-cadmium single crystal	Journal of Molecular Structure	1258				3.196	10.1016/j.molstruc.2022.132685
1370	P M., Balraj V., Vinitha G., V R.	Synthesis, structural-spectral characterization and theoretical studies of Pyridinium-4-carbohydrazide 2,4,6-trinitrophenolate	Journal of Molecular Structure	1262				3.196	10.1016/j.molstruc.2022.132779



1371	Prabu S., Palanisami N.	Ferrocene appended Y-shaped imidazole aldehyde chromophores: Synthesis, the effect of alkyl chain in the second order nonlinear optical properties and theoretical studies	Journal of Molecular Structure	1264				3.196	10.1016/j.molstruc.2022.133137
1372	Saravanakumar M., Chandrasekaran J., Krishnakumar M., Babu B., Mohanbabu B., Vinitha G.	Growth, spectral and quantum chemical investigation on hexamethylenetetramine 4-nitrophenol monohydrate single crystals for second harmonic generation and optical limiting applications	Journal of Molecular Structure	1265				3.196	10.1016/j.molstruc.2022.133406

1373	Tudu C.K., Bandyopadhyay A., Kumar M., Radha, Das T., Nandy S., Ghorai M., Gopalakrishnan A.V., Proćków J., Dey A.	Unravelling the pharmacological properties of cryptolepine and its derivatives: a mini-review insight	Naunyn- Schmiedeberg' s Archives of Pharmacology						3.195	10.1007/s00210-022- 02302-7
1374	Singh M.M., Satija J.	Enzyme-assisted metal nanoparticles etching based plasmonic ELISA: Progress and insights	Analytical Biochemistry	654					3.191	10.1016/j.ab.2022.11 4820
1375	Jaisankar A., Krishnan S., Rangasamy L.	Recent developments of aptamer-based lateral flow assays for point- of-care (POC) diagnostics	Analytical Biochemistry	655					3.191	10.1016/j.ab.2022.11 4874
1376	Loganathan T.G., Kalidas V.K., Bari K., Chadalavala H., Venkatachalam G.	Structural integrity evaluation of cyclic loading Glass Fibre Reinforced Polymer composite by acoustic emission and heat transfer	Journal of Composite Materials	56	24	3715	3727		3.191	10.1177/0021998322 1121891

1377	Ghosh D., Das S., Gahlot V.K., Pulimi M., Anand S., Chandrasekaran N., Rai P.K., Mukherjee A.	Nano-SiO <sub>2</sub> transport and retention in saturated porous medium: Influence of pH, ionic strength, and natural organics	Journal of Contaminant Hydrology	248				3.188	10.1016/j.jconhyd.2022.104029
1378	Shaw M., Choukiker Y.K.	Omnidirectional conformal microstrip array antenna with electronically beam switching capabilities for 5G applications	AEU - International Journal of Electronics and Communications	151				3.183	10.1016/j.aeue.2022.154226
1379	Singh K.S., Thankachan A., Thatiparthi K., Reshma M.S., Albert J., Bonthu S., Bhaskaran P.K.	Prediction of rapid intensification for land-falling extremely severe cyclonic storms in the Bay of Bengal	Theoretical and Applied Climatology					3.179	10.1007/s00704-022-03923-x
1380	Dhayananth N., Karthika S., Kalaichelvi P., Radhakrishnan T.K.	Correlation of solubility data and solution properties of chlorzoxazone in pure solvents	Journal of Chemical Thermodynamics	170				3.178	10.1016/j.jct.2022.106777

1381	Dhilipkumar T., Rajesh M.	Effect of manufacturing processes and multi-walled carbon nanotube loading on mechanical and dynamic properties of glass fiber reinforced composites	Polymer Composites					3.171	10.1002/pc.26496
1382	Bhardwaj P., Panjabi R.O., Nade O.A., Gopalan V., Pragasam V., Salunke D.R.	Investigations on tensile and flexural behaviors of sugarcane fiber/boron nitride/fly ash reinforced polymer matrix composite	Polymer Composites					3.171	10.1002/pc.26492
1383	Gunasegeran M., Sudhagar P. E.	Experimental and numerical study of transverse shear modulus for bioinspired glass fiber-reinforced polymer sandwich core	Polymer Composites					3.171	10.1002/pc.26566

1384	Kesavulu A., Mohanty A.	Investigation of physical, flexural, and dynamic mechanical properties of alumina and graphene nanoplatelets filled epoxy nanocomposites	Polymer Composites					3.171	10.1002/pc.26568
1385	Jeyaguru S., Thiagamani S.M.K., Pulikkalparambil H., Siengchin S., Subramaniam J., Rangappa S.M., Muthukumar C., Krishnasamy S.	Mechanical, acoustic and vibration performance of intra-ply Kevlar/PALF epoxy hybrid composites: Effects of different weaving patterns	Polymer Composites					3.171	10.1002/pc.26665
1386	Gunasegeran M., Edwin Sudhagar P.	Free and forced vibration analysis of 3D printed bioinspired sandwich beam using HSDT: Numerical and experimental study	Polymer Composites					3.171	10.1002/pc.26644

1387	Arun Kumar K., Arumugam A.B., Mallikarjuna Reddy D., Edwin Sudhagar P., Anbumani P., Kassa M.K., Agarwal D.	Prediction of influences of size and locations of delamination on dynamic characteristics of laminated composite plate using particle swarm optimization and artificial neural network	Polymer Composites					3.171	10.1002/pc.26624
1388	Mani E., Abbasian E., Gunasegeran M., Sofimowloodi S.	Design of high stability, low power and high speed 12 T SRAM cell in 32-nm CNTFET technology	AEU - International Journal of Electronics and Communicatio ns	154				3.169	10.1016/j.aeue.2022. 154308
1389	Deebak B.D., AL- Turjman F.	A robust and distributed architecture for 5G-enabled networks in the smart blockchain era	Computer Communicatio ns	181		293	308	3.167	10.1016/j.comcom.20 21.10.015

1390	Manikandan N., Gobalakrishnan N., Pradeep K.	Bee optimization based random double adaptive whale optimization model for task scheduling in cloud computing environment	Computer Communications	187		35	44	3.167	10.1016/j.comcom.2022.01.016
1391	Humayun M., Sujatha R., Almuayqil S.N., Jhanjhi N.Z.	A Transfer Learning Approach with a Convolutional Neural Network for the Classification of Lung Carcinoma	Healthcare (Switzerland)	10	6			3.16	10.3390/healthcare10061058
1392	Almazroi A.A., Alamin H., Sujatha R., Jhanjhi N.Z.	A Web-Based Model to Predict a Neurological Disorder Using ANN	Healthcare (Switzerland)	10	8			3.160	10.3390/healthcare10081474
1393	Kumar V., Lalotra G.S., Sasikala P., Rajput D.S., Kaluri R., Lakshmana K., Shorfuzzaman M., Alsufyani A., Uddin M.	Addressing Binary Classification over Class Imbalanced Clinical Datasets Using Computationally Intelligent Techniques	Healthcare (Switzerland)	10	7			3.160	10.3390/healthcare10071293

1394	Gollangi R., Nagamalleswara Rao K.	Energetic, exergetic analysis and machine learning of methane chlorination process for methyl chloride production	Energy and Environment					3.154	10.1177/0958305X22 1109604
1395	Thakur P., Wilson V.H.	Analysis of barriers affecting the adoption of community solar from consumer's perspective: A hybrid ISM- DEMATEL approach	Energy and Environment					3.154	10.1177/0958305X22 1122930
1396	Varghese P.M., Kishore U., Rajkumari R.	Innate and adaptive immune responses against Influenza A Virus: Immune evasion and vaccination strategies	Immunobiolog y	227	6			3.152	10.1016/j.imbio.2022. 152279



1397	Ranjithkumar R., Lakshmanan P., Palanisami N., Devendran P., Nallamuthu N., Sudhahar S., Kumar M.K.	Facile, Morphology- Controlled and Mass Production of OD-Ag/2D-g- C3N4/3D-TiO2 Nano-composite Materials: Effect of Silver Morphology and Loading on the Electrochemical Performance	Electronic Materials Letters					3.151	10.1007/s13391-022- 00385-1
1398	Saxena N., Raman B.	Pansharpening Scheme Using Bi- dimensional Empirical Mode Decomposition and Neural Network	ACM Transactions on Multimedia Computing, Communicatio ns and Applications	18	4			3.144	10.1145/3506709
1399	Goutam Mukherjee A., Ramesh Wanjari U., Murali R., Chaudhary U., Renu K., Madhyastha H., Iyer M., Vellingiri B., Valsala Gopalakrishnan A.	Omicron variant infection and the associated immunological scenario	Immunobiolog y	227	3			3.144	10.1016/j.imbio.2022. 152222

1400	Adimoolam M., Mohan S., John A., Srivastava G.	A Novel Technique to Detect and Track Multiple Objects in Dynamic Video Surveillance Systems	International Journal of Interactive Multimedia and Artificial Intelligence	7	4	112	120	3.137	10.9781/ijimai.2022.0 1.002
1401	Suprakash A.S., Karthiyaini S., Shanmugasundaram M.	A study on compressive strength of ultrafine graded fly ash replaced concrete and machine learning approaches in its strength prediction	Structural Concrete					3.131	10.1002/suco.202100 778
1402	Pervin S.-A., Sathiyathan P., Prabu A.A., Kim K.J.	Piezoelectric sensor based on electrospun poly(vinylidene fluoride)/sulfona ted poly(1,4- phenylene sulfide) blend nonwoven fiber mat	Journal of Applied Polymer Science					3.125	10.1002/app.52112

1403	Rizwan M., Chandan M.R.	Role of polymer-filler interaction on Mg(OH) <sub>2</sub> and alumina trihydrate-loaded ethylene propylene diene monomer based polymer composite for high voltage insulation application	Journal of Applied Polymer Science					3.125	10.1002/app.52164
1404	Tripathy B.K., Reddy Maddikunta P.K., Pham Q.-V., Gadekallu T.R., Dev K., Pandya S., Elhalawany B.M.	Harris Hawk Optimization: A Survey on Variants and Applications	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/2218594
1405	Dutta A.K., Mageswari R.U., Gayathri A., Dallfin Bruxella J.M., Ishak M.K., Mostafa S.M., Hamam H.	Barnacles Mating Optimizer with Deep Transfer Learning Enabled Biomedical Malaria Parasite Detection and Classification	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/7776319
1406	Bhandari A., Tripathy B.K., Jawad K., Bhatia S., Rahmani M.K.I., Mashat A.	Cancer Detection and Prediction Using Genetic Algorithms	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/1871841

1407	Ramachandran D., Kumar R.S., Alkhayyat A., Malik R.Q., Srinivasan P., Priya G.G., Gosu Adigo A.	Classification of Electrocardiogra phy Hybrid Convolutional Neural Network- Long Short Term Memory with Fully Connected Layer	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/634842 4
1408	Vaiyapuri T., Balaji P., Shridevi S., Alaskar H., Sbai Z.	Computational Intelligence- Based Melanoma Detection and Classification Using Dermoscopic Images	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/237019 0
1409	Lakshmana K., Kavitha R., Geetha B.T., Nanda A.K., Radhakrishnan A., Kohar R.	Deep Learning- Based Privacy- Preserving Data Transmission Scheme for Clustered IIoT Environment	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/892783 0
1410	Gundluru N., Rajput D.S., Lakshmana K., Kaluri R., Shorfuzzaman M., Uddin M., Rahman Khan M.A.	Enhancement of Detection of Diabetic Retinopathy Using Harris Hawks Optimization with Deep Learning Model	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/851246 9

1411	Monica K.M., Parvathi R., Gayathri A., Aluvalu R., Sangeetha K., Simha Reddy C.V.	Hybrid Optimized GRU-ECNN Models for Gait Recognition with Wearable IOT Devices	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/542242 8
1412	Naveen Venkatesh S., Chakrapani G., Senapti S.B., Annamalai K., Elangovan M., Indira V., Sugumaran V., Mahamuni V.S.	Misfire Detection in Spark Ignition Engine Using Transfer Learning	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/760689 6
1413	Kumar V., Biswas S., Rajput D.S., Patel H., Tiwari B.	PCA-Based Incremental Extreme Learning Machine (PCA- IELM) for COVID- 19 Patient Diagnosis Using Chest X-Ray Images	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/910743 0

1414	Sasikumar A., Ravi L., Kotecha K., Saini J.R., Varadarajan V., Subramaniaswamy V.	Sustainable Smart Industry: A Secure and Energy Efficient Consensus Mechanism for Artificial Intelligence Enabled Industrial Internet of Things	Computational intelligence and neuroscience	2022		1419360		3.12	10.1155/2022/1419360
1415	Sugadev M., Rayen S.J., Harirajkumar J., Rathi R., Anitha G., Ramesh S., Ramaswamy K.	Implementation of Combined Machine Learning with the Big Data Model in IoMT Systems for the Prediction of Network Resource Consumption and Improving the Data Delivery	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/6510934
1416	Naveen Venkatesh S., Arun Balaji P., Elangovan M., Annamalai K., Indira V., Sugumaran V., Mahamuni V.S.	Transfer Learning-Based Condition Monitoring of Single Point Cutting Tool	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/3205960

1417	Sreekala K., Rajkumar N., Sugumar R., Sagar K.V.D., Shobarani R., Krishnamoorthy K.P., Saini A.K., Palivela H., Yeshitla A.	Skin Diseases Classification Using Hybrid AI Based Localization Approach	Computational Intelligence and Neuroscience	2022				3.120	10.1155/2022/613849 0
1418	Pande S.V., Nattarkannan K., Rama Bai M., Kapila D., Anandan P., Mishra N., Abera W.	Lightweight Artificial Intelligence for Secure Data Communication in Energy- Constrained Healthcare Devices	Computational Intelligence and Neuroscience	2022				3.120	10.1155/2022/793458 2
1419	Sangeetha S.K.B., Muthukumaran V., Deeba K., Rajadurai H., Maheshwari V., Dalu G.T.	Multiconvolution al Transfer Learning for 3D Brain Tumor Magnetic Resonance Images	Computational Intelligence and Neuroscience	2022				3.120	10.1155/2022/872247 6
1420	Shanthi N., Sathishkumar V.E., Upendra Babu K., Karthikeyan P., Rajendran S., Allayear S.M.	Analysis on the Bus Arrival Time Prediction Model for Human- Centric Services Using Data Mining Techniques	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/709465 4

1421	Sangeetha S.K.B., Mani P., Maheshwari V., Jayagopal P., Sandeep Kumar M., Allayear S.M.	Design and Analysis of Multilayered Neural Network- Based Intrusion Detection System in the Internet of Things Network	Computational Intelligence and Neuroscience	2022				3.12	10.1155/2022/942339 5
1422	Bhattacharjee T., Adhikari S., Bhattacharjee S., Debnath S., Das A., Gabriel Daniliuc C., Thirumoorthy K., Malayaperumal S., Banerjee A., Pathak S., Frontera A.	Exploring dithiolate-amine binary ligand systems for the supramolecular assemblies of Ni(II) coordination compounds: Crystal structures, theoretical studies, cytotoxicity studies, and molecular docking studies	Inorganica Chimica Acta	543				3.118	10.1016/j.ica.2022.12 1157



1423	Yadav J., Das S., Karthikeyan D., Chug R., Jyoti A., Srivastava V.K., Jain A., Kumar S., Sharma V., Kaushik S.	Identification of Protein Drug Targets of Biofilm Formation and Quorum Sensing in Multidrug Resistant Enterococcus faecalis	Current Protein and Peptide Science	23	4	248	263	3.118	10.2174/1389203723 666220526155644
1424	Yadav J., Das S., Singh S., Jyoti A., Srivastava V.K., Sharma V., Kumar S., Kumar S., Kaushik S.	Deciphering the Role of S- adenosyl Homocysteine Nucleosidase in Quorum Sensing Mediated Biofilm Formation	Current Protein and Peptide Science	23	4	211	225	3.118	10.2174/1389203723 666220519152507
1425	Patel M., Ajay U., Padala K., Naveen T.	Recent Advances in Cobalt- catalyzed Functionalization of Unactivated Olefins	Asian Journal of Organic Chemistry					3.116	10.1002/ajoc.2022002 01

1426	Rajan I.A.P.S., Subramani M., Pushparathinam G., Rajendran S.	Environmentally Benign Transamidation Protocol for Weakly Nucleophilic Aromatic Amines with N-Acyl-2-piperidinones: Catalyst-, Additive-, Base- and Solvent-Free Condition	Asian Journal of Organic Chemistry					3.116	10.1002/ajoc.202200378
1427	Sreedharan R., Pal P.K., Panyam P.K.R., Priyakumar U.D., Gandhi T.	Synthesis of $\alpha$ -Aryl Ketones by Harnessing the Non-Innocence of Toluene and its Derivatives: Enhancing the Acidity of Methyl Arenes by a Brønsted Base and their Mechanistic Aspects	Asian Journal of Organic Chemistry					3.116	10.1002/ajoc.202200372

1428	Garg P., Reddy S.R.	Biomass-derived Sugar Ionic Liquid as a Sustainable Organocatalyst: An Efficient Synthesis of Functionalized Dihydropyrano Coumarins	Asian Journal of Organic Chemistry					3.116	10.1002/ajoc.202200322
1429	David M.L.R., Innasimuthu G.M., Rajaram S.K., Nooruddin T.	An endophytic Streptomyces sp. DARP-7 isolated from coastal lichen and enhancement of its antibacterial metabolite production using response surface methodology	South African Journal of Botany	151		636	648	3.111	10.1016/j.sajb.2022.10.022
1430	Nayak H.P., Nayak S., Maity S., Patra N., Singh K.S., Dutta S.	Sensitivity of Land Surface Processes and Its Variation during Contrasting Seasons over India	Atmosphere	13	9			3.11	10.3390/atmos13091382

1431	Gadamsetty S., Ch R., Ch A., Iwendi C., Gadekallu T.R.	Hash-Based Deep Learning Approach for Remote Sensing Satellite Imagery Detection	Water (Switzerland)	14	5			3.103	10.3390/w14050707
1432	Saraswathi P., Madeswaran S.	Formation of nanostructured Fe <sub>88</sub> Co <sub>12</sub> alloy using high energy ball milling	Journal of Magnetism and Magnetic Materials	560				3.097	10.1016/j.jmmm.2022.169652
1433	Revathi B., Krishna Chandar N.R.	Studies on characterization and enhanced magnetic field sensing performance of Bi <sub>1-x</sub> K <sub>x</sub> Mn <sub>1-y</sub> Co <sub>y</sub> O <sub>3</sub> nanopowders as a fiber optic clad modified region	Journal of Magnetism and Magnetic Materials	560				3.097	10.1016/j.jmmm.2022.169683
1434	S A., V S.	Prediction of air compressor condition using vibration signals and machine learning algorithms	JVC/Journal of Vibration and Control					3.095	10.1177/10775463211062330

1435	Vante A.B., Kanish T.C.	Experimental investigation on digital offset switching strategy for precise dosing using digital multiple micropump infusion system	Microfluidics and Nanofluidics	26	12			3.09	10.1007/s10404-022-02591-7
1436	Venkatraman S.K., Choudhary R., Vijayakumar N., Krishnamurthy G., Raghavendran H.R.B., Murali M.R., Kamarul T., Suresh A., Abraham J., Swamiappan S.	Investigation on bioactivity, mechanical stability, bactericidal activity and in-vitro biocompatibility of magnesium silicates for bone tissue engineering applications	Journal of Materials Research					3.089	10.1557/s43578-021-00450-9
1437	Singh N., Edachery V., Rajput M., Chatterjee K., Kailas S.V., Prashanth K.G.	Ti6Al7Nb–TiB nanocomposites for ortho-implant applications	Journal of Materials Research					3.089	10.1557/s43578-022-00578-2

1438	Kolli N.K., V M D.D., Anandan D., Sivaramakrishnan V., Jaiswal A.K., Belliraj S.K., Kundu S., Roy S.	Probing into the potential features of sodium calcium silicate ( $\text{Na}_2\text{Ca}_2\text{Si}_3\text{O}_9$ ) synthesized by the solid-state route	Physica Scripta	97	8			3.081	10.1088/1402-4896/ac7ae6
1439	Manikandan R., Raina G.	Hydrothermally synthesized 2H-MoS <sub>2</sub> under optimized conditions - A structure and morphology analysis	Physica Scripta	97	12			3.081	10.1088/1402-4896/ac9d6f
1440	Muthuganesan R., Balakrishnan S.	Affinity-based geometric discord and quantum speed limits of its creation and decay	Physica Scripta	97	12			3.081	10.1088/1402-4896/aca1ec
1441	Rahaman S., Sunil M.A., Singha M.K., Ghosh K.	Optimization and fabrication of low cost $\text{Cu}_2\text{SnS}_3/\text{ZnS}$ thin film heterojunction solar cell using ultrasonic spray pyrolysis	Optical Materials	123				3.080	10.1016/j.optmat.2021.111838

1442	Sravanth K.R.S., Sundaram N.	Analysis of socioeconomic status of young migrant farmers in India using probit regression	Economic Research- Ekonomiska Istrazivanja					3.08	10.1080/1331677X.20 22.2106267
1443	Senthilkumar P.B., Parthasarathy M., Afzal A., Saleel C.A., Cuce E., Saboor S., Gera T.	The influence of exhaust gas recirculation on the characteristics of compression ignition engines powered by tamanu methyl ester	International Journal of Low- Carbon Technologies	17		856	869	3.071	10.1093/ijlct/ctac046
1444	Dhamodharan A., Okada H., Muraoka M., Wright D., Okubo A., Saga Y.	P-body dynamics revealed by DDX6 protein knockdown via the auxin-inducible degron system	Development Growth and Differentiation					3.063	10.1111/dgd.12821
1445	Humbe S.S., Joshi G.M., Deshmukh R.R., Kaleemulla S.	Anomalous properties of plasma treated hexagonal Boron Nitride dispersed polymer nano blends	Journal of Polymer Research	29	10			3.061	10.1007/s10965-022- 03277-y

1446	Selvaraj V.K., Subramanian J., Jeyamani E., Azeez A., Keerthivasan R.	A study to determine electromagnetic interference- shielding effectiveness on bio-based polyurethane foam reinforced with PVDF/MgO/Ni for emerging applications	Journal of Applied Polymer Science					3.057	10.1002/app.53386
1447	Srimathi R., Sabareesh V., Gurunathan J.	Naringenin isolated from Citrus reticulata blanco fruit peel inhibits the toxicity of snake venom proteins - An in vitro and in vivo study	Toxicon	220				3.035	10.1016/j.toxicon.202 2.106943
1448	Chandran Maniyamparambil S., Vadivel G.K., Krishnan P.	Experimental and numerical damage analysis of low-velocity drop weight impact of polyethylene self- reinforced composite laminates for transportation applications	Journal of Thermoplastic Composite Materials					3.027	10.1177/0892705722 1116528



1449	Selvaraj R., Ramamoorthy M.	Recent developments in semi-active control of magnetorheological materials-based sandwich structures: A review	Journal of Thermoplastic Composite Materials	35	11	2194	2226	3.027	10.1177/0892705720930749
1450	Adarsh S.J., Natarajan A.	Analysis and prediction of the joint strength of friction stir welded Aluminium 5754 to polyamide using response surface methodology and artificial neural network	Journal of Thermoplastic Composite Materials					3.027	10.1177/08927057221133091
1451	Bidwai D., Kumar Sahu N., Dhoble S.J., Mahajan A., Haranath D., Swati G.	Review on long afterglow nanophosphors, their mechanism and its application in round-the-clock working photocatalysis	Methods and Applications in Fluorescence	10	3			3.009	10.1088/2050-6120/ac6b87

1452	Gandhamaneni B.S., Krishnamoorthy H.N.R., Veerappapillai S., Mohapatra S.R., Karuppasamy R.	Envelope Glycoprotein based multi- epitope vaccine against a co- infection of Human Herpesvirus 5 and Human Herpesvirus 6 using in silico strategies	Glycoconjugate Journal					3.009	10.1007/s10719-022- 10083-7
1453	Syamsundararao T., Selvarani A., Rathi R., Vini Antony Grace N., Selvaraj D., Almutairi K.M.A., Alonazi W.B., Priyan K.S.A., Mosissa R.	An Efficient Signal Processing Algorithm for Detecting Abnormalities in EEG Signal Using CNN	Contrast Media and Molecular Imaging	2022				3.009	10.1155/2022/150293 4
1454	Saba Raouf S., Durai M.A.S.	A Comprehensive Review on Smart Health Care: Applications, Paradigms, and Challenges with Case Studies	Contrast Media and Molecular Imaging	2022				3.009	10.1155/2022/482223 5

1455	Bandla P.B., Vairavasundaram I., Teekaraman Y., Kuppusamy R., Nikolovski S.	Real Time Sustainable Power Quality Analysis of Non- Linear Load under Symmetrical Conditions	Energies	15	1			3.004	10.3390/en15010057
1456	Sarojini R.K., Palanisamy K., De Tuglie E.	A Fuzzy Logic- Based Emulated Inertia Control to a Supercapacitor System to Improve Inertia in a Low Inertia Grid with Renewables	Energies	15	4			3.004	10.3390/en15041333
1457	Kshatriya A.S., Tiwari P., Sreekanth M., Yunus Khan T.M., Khadar S.D.A., Mansour M., Feroskhan M.	Investigations into the Combined Effect of Mahua Biodiesel Blends and Biogas in a Dual Fuel Engine	Energies	15	6			3.004	10.3390/en15062057

1458	Kumar N.K., Gopi R.S., Kuppusamy R., Nikolovski S., Teekaraman Y., Vairavasundaram I., Venkateswarulu S.	Fuzzy Logic-Based Load Frequency Control in an Island Hybrid Power System Model Using Artificial Bee Colony Optimization	Energies	15	6			3.004	10.3390/en15062199
1459	Aljafari B., Stephenraj J.P., Vairavasundaram I., Rassiah R.S.	Steady State Modeling and Performance Analysis of a Wind Turbine-Based Doubly Fed Induction Generator System with Rotor Control	Energies	15	9			3.004	10.3390/en15093327
1460	Sureshkumar A., Gunabalan R., Vishnuram P., Ramsamy S., Nastasi B.	Investigation on Performance of Various Power Control Strategies with Bifilar Coil for Induction Surface Melting Application	Energies	15	9			3.004	10.3390/en15093301

1461	Singh R.R., Baranidharan M., Subramaniam U., Bhaskar M.S., Rangarajan S.S., Abdelsalam H.A., Collins E.R., Senjyu T.	An Energy- Efficient Start-Up Strategy for Large Variable Speed Hydro Pump Turbine Equipped with Doubly Fed Asynchronous Machine	Energies	15	9			3.004	10.3390/en15093138
1462	Ranganathan E., Natarajan R.	Spotted Hyena Optimization Method for Harvesting Maximum PV Power under Uniform and Partial-Shade Conditions	Energies	15	8			3.004	10.3390/en15082850
1463	Chinnapandi L.B.M., Pitchaimani J., Eltaher M.A.	Vibro-acoustics of functionally graded porous beams subjected to thermo- mechanical loads	Structural Engineering and Mechanics	44	6	829	843	2.998	10.12989/scs.2022.44 .6.829

1464	Thulasi S., Sivabalan S.	Dual wavelength generation and wavelength tunability in Yb-doped mode-locked laser using few-mode fiber as a saturable absorber	Infrared Physics and Technology	127				2.997	10.1016/j.infrared.2022.104409
1465	Ayyanaar S., Bhaskar R., Esthar S., Vadivel M., Rajesh J., Rajagopal G.	Design and development of 5-fluorouracil loaded biodegradable magnetic microspheres as site-specific drug delivery vehicle for cancer therapy	Journal of Magnetism and Magnetic Materials	546				2.993	10.1016/j.jmmm.2021.168853
1466	Nandhini G., Shobana M.K.	Role of ferrite nanoparticles in hyperthermia applications	Journal of Magnetism and Magnetic Materials	552				2.993	10.1016/j.jmmm.2022.169236
1467	Ghosh S., Sathish Kumar C.R., Gumber S., Dobbie S., Yang H.	How Asian slum emissions impact local microclimates in polluted air masses	Atmospheric Science Letters					2.992	10.1002/asl.1124

1468	Jadhav P.S., Joshi G.M., Humbe S.S., Dubey R.S., Kaleemulla S.	Study of the preparation and properties of polyvinyl chloride/nitrocellulose polymer blends	Polymer International					2.990	10.1002/pi.6385
1469	Sundararajan M., Sukumar M., Dash C.S., Sutha A., Suresh S., Ubaidullah M., Al-Enizi A.M., Raza M.K., Kumar D.	A comparative study on NiFe <sub>2</sub> O <sub>4</sub> and ZnFe <sub>2</sub> O <sub>4</sub> spinel nanoparticles: Structural, surface chemistry, optical, morphology and magnetic studies	Physica B: Condensed Matter	644				2.988	10.1016/j.physb.2022.414232
1470	Balan G.S., Balasundaram R., Chellamuthu K., Gopan S.N., Dinesh S., Vijayan V., Sathish T., Rajkumar S.	Flame Resistance Characteristics of Woven Jute Fiber Reinforced Fly Ash Filled Polymer Composite	Journal of Nanomaterials	2022				2.986	10.1155/2022/9704980

1471	Mary B.C.J., Vijaya J.J., Nair R.R., Mustafa A., Selvamani P.S., Saravanakumar B., Bououdina M., Kennedy L.J.	Reduced Graphene Oxide-Tailored CuFe <sub>2</sub> O <sub>4</sub> Nanoparticles as an Electrode Material for High-Performance Supercapacitors	Journal of Nanomaterials	2022				2.986	10.1155/2022/9861440
1472	Feroskhan M., Venugopal T., Almakayeel N.M., Khan T.M.Y., Khadar S.D.A., Gobinath N.	Effect of Thermophoresis on Heat Diffusion in Isobutane/Copper-Oxide Nanofluid under Pool Boiling Condition: Numerical Investigation	Journal of Nanomaterials	2022				2.986	10.1155/2022/2216513
1473	Fayaz H., Khan S.A., Saleel C.A., Shaik S., Yusuf A.A., Veza I., Fattah I.M.R., Rawi N.F.M., Asyraf M.R.M., Alarifi I.M.	Developments in Nanoparticles Enhanced Biofuels and Solar Energy in Malaysian Perspective: A Review of State of the Art	Journal of Nanomaterials	2022				2.986	10.1155/2022/8091576



1474	Arun H., Govindanarayanan I.	Circularly polarized semicircle-shaped flexible bidirectional antenna for X-band RFID applications	Applied Physics A: Materials Science and Processing	128	8			2.983	10.1007/s00339-022-05884-4
1475	Priya G.L., Venkatesh M., Agarwal L., Samuel T.S.A.	Modeling and performance analysis of Nanocavity Embedded Dopingless T-shaped Tunnel FET with high-K gate dielectric for biosensing applications	Applied Physics A: Materials Science and Processing	128	11			2.983	10.1007/s00339-022-06081-z
1476	Thiyagu C., NarendraKumar U.	Effect of graphene on thermal, mechanical, and shape memory properties of polyurethane nanocomposite	Applied Physics A: Materials Science and Processing	128	10			2.983	10.1007/s00339-022-06078-8
1477	Sathishkumar P., Madeswaran S.	Structural, magnetic and magnetocaloric effect of SmMn(1-x)Cr <sub>x</sub> O <sub>3</sub> (x = 0.0, 0.3)	Applied Physics A: Materials Science and Processing	128	11			2.983	10.1007/s00339-022-06139-y

1478	KrishnaPriya S., Omer S., Banerjee S., Karunagaran D., Suraishkumar G.K.	An integrated approach to understand fluid shear stress- driven and reactive oxygen species-mediated metastasis of colon adenocarcinoma through mRNA- miRNA-lncRNA- circRNA networks	Molecular Genetics and Genomics					2.98	10.1007/s00438-022- 01924-z
1479	Ashok G., Miryala S.K., Saju M.T., Anbarasu A., Ramaiah S.	FN1 encoding fibronectin as a pivotal signaling gene for therapeutic intervention against pancreatic cancer	Molecular Genetics and Genomics					2.980	10.1007/s00438-022- 01943-w

1480	Nagajothi S., Elavenil S., Angalaeswari S., Natrayan L., Paramasivam P.	Cracking Behaviour of Alkali-Activated Aluminosilicate Beams Reinforced with Glass and Basalt Fibre-Reinforced Polymer Bars under Cyclic Load	International Journal of Polymer Science	2022					2.973	10.1155/2022/6762449
1481	Krishnan M., Singh F.V.	Ultrasound-Assisted Rapid Synthesis of Functionalized 1,2-Teraryls by Ring Transformation Methodology	Synthesis (Germany)						2.969	10.1055/a-1856-1905
1482	Natarajan R., Matai H.D., Raman S., Kumar S., Ravichandran S., Swaminathan S., Alex J.S.	Advances in the diagnosis of herpes simplex stromal necrotising keratitis: A feasibility study on deep learning approach	Indian Journal of Ophthalmology	70	9	3279	3283		2.969	10.4103/ijo.IJO_178_22

1483	Sachithanandam V., Bonthu S., Mageswaran T., Singh K.S., Vimala J., Sridhar R., Purvaja R., Ramesh R.	Effect of hydrodynamic conditions on seagrass ecosystems during Cyclone Lehar in the South Andaman Islands, India	Ecohydrology and Hydrobiology						2.957	10.1016/j.ecohyd.202 2.07.006
1484	Pravin Kumar S.A., Nagarajan R., Midhun Prasad K., Anand B., Murugavelh S.	Thermogravimetr ic study and kinetics of banana peel pyrolysis: a comparison of 'model-free' methods	Biofuels	13	2	129	138		2.956	10.1080/17597269.20 19.1647375
1485	Arakkal Thaiparambil N., Radhakrishnan V.	Challenges in achieving an economically sustainable aquaponic system: a review	Aquaculture International						2.953	10.1007/s10499-022- 00946-z

1486	Jeyaraj A., Subramanian S.	Synthesis, optimization, and characterization of biogenic manganese oxide (BioMnOx) by bacterial isolates from mangrove soils with sorbents property towards different toxic metals	BioMetals					2.949	10.1007/s10534-022- 00378-5
1487	Panda S., Sivadasan D., Job N., Sinjari A., Thirumoorthy K., Anoop A., Thimmakondur V.S.	Why Are MgC <sub>3</sub> H Isomers Missing in the Interstellar Medium?	Journal of Physical Chemistry A					2.944	10.1021/acs.jpca.2c02 220
1488	Job N., Thirumoorthy K.	Chemical Bonding Perspective on Low-Lying SiC <sub>4</sub> H <sub>2</sub> Isomers: Conceptual Quantum Chemical Views	Journal of Physical Chemistry A					2.944	10.1021/acs.jpca.2c06 230

1489	Jesu Jaya Sudan R., Lesitha Jeeva Kumari J., Iniyavan P., Sarveswari S., Vijayakumar V.	Evaluation of xanthene- appended quinoline hybrids as potential leads against antimalarial drug targets	Molecular Diversity					2.943	10.1007/s11030-022- 10450-4
1490	Jain P., Sudandira Doss C.	Identification of potential andrographolide- based drug candidate against Keap1- Nrf2 pathway through rigorous cheminformatics screening	Molecular Diversity					2.943	10.1007/s11030-022- 10435-3
1491	E P., B P.K., B C., Manikandan E., Agarwal L.	A Comprehensive Review of Recent Progress, Prospect and Challenges of Silicon Carbide and its Applications	Silicon					2.941	10.1007/s12633-022- 01998-9
1492	Natesh M., Selvaraj S.K., Arivazhagan N., Manikandan M., Tofil S., Radek N., Mistry Y., Sm M.	Effect of Silicon Segregation in the Argon Arc Welded Incoloy 20 Superalloy	Silicon					2.941	10.1007/s12633-022- 01986-z

1493	Joseph J A., Adilakshmi G., Robin C.R.R., Vidhya S., Narukullapati B.K., Reddy M.K., Kumar T.C.A.	Simulation Based Investigation of Triple Heterojunction TFET (THJ-TFET) for Low Power Applications	Silicon					2.941	10.1007/s12633-022- 01992-1
1494	Lakshmi Thara R., Priya P.A., Nayak C.	Si-SiO2 Clustery Random Photonic Crystal Based Thermo- Optic Sensor	Silicon					2.941	10.1007/s12633-022- 01984-1
1495	Ram S.C., Chattopadhyay K., Bhushan A.	High Temperature Dry Sliding Reciprocating Wear Behavior of Centrifugally Cast A356-Mg2Si In- Situ Functionally Graded Composites	Silicon					2.941	10.1007/s12633-022- 02060-4
1496	Gopalakrishnan A., Madhu T., Gurusamy A., Manickam S., Perumalsamy R.	Investigation of DS Furnace Heat Exchange Block Thickness for the Improvement mc- Si Ingot Quality	Silicon					2.941	10.1007/s12633-022- 02162-z

1497	Kanekal D., Jindal S.K.	Investigation of MEMS Piezoresistive Pressure Sensor with a Freely Supported Rectangular Silicon Carbide Diaphragm as a Primary Sensing Element for Altitudinal Applications	Silicon					2.941	10.1007/s12633-022-02146-z
1498	Agarwal L., Priya G.L., Papnassam E., Kumar B.P., Venkatesh M.	A Novel Metal Dielectric Metal Based GAA-Junction-Less TFET Structure for Low Loss SRAM Design	Silicon					2.941	10.1007/s12633-022-02218-0
1499	Abinands R., Mallick P.S.	Performance Analysis of Multiple Strips to Reduce the Separation of Photonic Waveguides in Photonic Array	Silicon					2.941	10.1007/s12633-022-02240-2



1500	Mishra V., Agarwal L., Tiwari C., Gupta S.K.	Potential Sensing Application of Oxygen Gas with Charge Plasma Based Negative Capacitance Tunnel FET	Silicon					2.941	10.1007/s12633-022-02257-7
1501	Latchoumanane V., Varadhan M.	Antimagic Labeling for Product of Regular Graphs	Symmetry	14	6			2.94	10.3390/sym14061235
1502	Murugusundaramoorthy G., Vijaya K.	Certain Subclasses of Analytic Functions Associated with Generalized Telephone Numbers	Symmetry	14	5			2.94	10.3390/sym14051053
1503	Gnanaraj L.R.M., Ganesan D.	Topological Study of 6.82 D Carbon Allotrope Structure	Symmetry	14	5			2.94	10.3390/sym14051037

1504	Radhakrishnan M., Ramamurthy K., Kothandaraman A., Premkumar V.J., Ramesh N.	Automatic Assessment of Abdominal Exercises for the Treatment of Diastasis Recti Abdominis Using Electromyography and Machine Learning	Symmetry	14	8			2.940	10.3390/sym14081654
1505	Augustine T., Roy S.	Topological Study on Triazine-Based Covalent-Organic Frameworks	Symmetry	14	8			2.940	10.3390/sym14081590
1506	Khan I.E., Paramasivam R.	Reduction in Waiting Time in an M/M/1/N Encouraged Arrival Queue with Feedback, Balking and Maintaining of Reneged Customers	Symmetry	14	8			2.940	10.3390/sym14081743
1507	Aadal Praveen B., Ganesan D.	Edge Domination and Incidence Domination in Vague Incidence Graphs and Its Application	Symmetry	14	8			2.940	10.3390/sym14081638

1508	Pushpanathan D., Devarasan E.	Characterizations of $\Gamma$ Rings in Terms of Rough Fuzzy Ideals	Symmetry	14	8			2.940	10.3390/sym1408170 5
1509	Lakshmi Devi G., Niranjana H.	The Novelty of Thermo- Diffusion and Diffusion- Thermo, Slip, Temperature and Concentration Boundary Conditions on Magneto-Chemi- cally Reactive Fluid Flow Past a Vertical Plate with Radiation	Symmetry	14	8			2.940	10.3390/sym1408149 6
1510	Koppala P., Kondooru R.	An Efficient Technique to Solve Time- Fractional Kawahara and Modified Kawahara Equations	Symmetry	14	9			2.94	10.3390/sym1409177 7

1511	Prakasam E., Manoharan A.	A Cache Efficient One Hashing Blocked Bloom Filter (OHBB) for Random Strings and the K-mer Strings in DNA Sequence	Symmetry	14	9			2.94	10.3390/sym1409191 1
1512	Yasashvini R., Raja Sarobin M V., Panjanathan R., Graceline Jasmine S., Jani Anbarasi L.	Diabetic Retinopathy Classification Using CNN and Hybrid Deep Convolutional Neural Networks	Symmetry	14	9			2.94	10.3390/sym1409193 2
1513	Srinivas M.N., Niranjan H., Thirupathi Reddy P., Venkateswarlu B., Altinkaya Ş., Shashikala A.	Subclass of Analytic Functions Connected with Double Zeta Function	Symmetry	14	9			2.94	10.3390/sym1409187 2
1514	GnanaSekar M.M.N., Kandaiyan I.	Analysis of an M/G/1 Retrial Queue with Delayed Repair and Feedback under Working Vacation policy with Impatient Customers	Symmetry	14	10			2.940	10.3390/sym1410202 4

1515	Gomathi S.V., Jayalakshmi M.	One's Fixing Method for a Distinct Symmetric Fuzzy Assignment Model	Symmetry	14	10			2.940	10.3390/sym14102056
1516	Duraisamy Soundrapandian P., Subbiah G.	MULBER: Effective Android Malware Clustering Using Evolutionary Feature Selection and Mahalanobis Distance Metric	Symmetry	14	10			2.940	10.3390/sym14102221
1517	Jadhav H.K., Kumaravelu V.B.	Blind RIS Aided Ordered NOMA: Design, Probability of Outage Analysis and Transmit Power Optimization	Symmetry	14	11			2.940	10.3390/sym14112266
1518	Vanajothi R., Srikanth N., Vijayakumar R., Palanisamy M., Bhavaniramya S., Premkumar K.	HPV-mediated Cervical Cancer: A Systematic Review on Immunological Basis, Molecular Biology, and Immune Evasion Mechanisms	Current Drug Targets	23	8	782	801	2.937	10.2174/1389450123666211221160632

1519	Ravikumar R., Gopal B.	Structural integrity of Cs and Sr immobilized lacunar apatite phosphate simulated ceramic wastefrom Na <sub>0.9</sub> Cs <sub>0.1</sub> Pb <sub>3</sub> Sr(PO <sub>4</sub> ) <sub>3</sub> under heat and aqueous flow	Journal of Nuclear Materials	558				2.936	10.1016/j.jnucmat.2021.153388
1520	Raut S.U., Balinge K.R., Bhansali K.J., Deshmukh S.A., Bhagat P.R.	Benzimidazole-Based Carboxyl Functionalized Porphyrin with Enhanced Photocatalytic Activity Towards Metal Free Sonogashira Coupling	Catalysis Letters					2.936	10.1007/s10562-022-04154-5
1521	Barange S.H., Bhagat P.R.	Selective and Greener Route in Synthesis of Industrially Important Alkyl Acrylates by Porphyrin Photocatalyst Comprising 1,2,4-Triazole-based Ionic Liquid	Catalysis Letters					2.936	10.1007/s10562-022-04236-4

1522	Chellapandi T., Elamathi M., Roopan S.M., Madhumitha G.	Microwave- hydrothermal synthesis of BiPO <sub>4</sub> /MoS <sub>2</sub> nanocomposite: Photocatalytic activity, kinetics model, and mechanism	MRS Communicatio ns	12	5	838	843	2.935	10.1557/s43579-022- 00252-y
1523	Sivaraman K., Sujitha P., Arunkumar A., Shanthi C.	Biocompatible Films of Collagen- Procyandin for Wound Healing Applications	Applied Biochemistry and Biotechnology					2.926	10.1007/s12010-022- 03956-y
1524	Singh Q.J., Rajamurugan G.	Experimental study on abrasive water jet machining of WCFC reinforced flax/wire mesh/hemp composite	Journal of Industrial Textiles	52		1	19	2.926	10.1177/1528083722 1121961
1525	Somasundaram M., NarendraKumar U.	Electrochemical corrosion behaviour of stir cast and heat- treated EV31A magnesium alloy in different electrolytic mediums	Journal of Applied Electrochemist ry					2.925	10.1007/s10800-022- 01778-8

1526	Dhilipkumar T., Rajesh M.	Influence of manufacturing process and GFRP pin loading on shear and dynamic behaviour of composite joints	Journal of Adhesion					2.917	10.1080/00218464.2022.2025782
1527	Govindaraj D., Gopal B.	Investigation of the catalytic activity of metallic copper and copper dispersed SiO <sub>2</sub> for the reductive acetylation of aromatic nitro compounds	Research on Chemical Intermediates	48	5	1939	1952	2.914	10.1007/s11164-022-04703-y
1528	Avar B., Panigrahi M., Soguksu A.K., Rajendrachari S., Gundes A.	Photocatalytic Activity of Soft Magnetic Fe <sub>80-x</sub> CoxZr <sub>10</sub> Si <sub>10</sub> (x = 0, 40, and 80) Nanocrystalline Melt-Spun Ribbons	Topics in Catalysis					2.91	10.1007/s11244-022-01569-7



1529	Umabharathi P.S., Karpagam S.	Real scenario of metal ion sensor: Is conjugated polymer helpful to detect hazardous metal ion	Reviews in Inorganic Chemistry					2.905	10.1515/revic-2022-0006
1530	Jacob A., Ashok B.	Biosynthesis of Amyl Alcohol From Scenedesmus quadricauda Microalgae for Light Commercial Vehicle Compression Ignition Engine Using Prediction Models	Journal of Energy Resources Technology, Transactions of the ASME	144	3			2.903	10.1115/1.4052542

1531	Khan O., Khan M.Z., Khan E., Bhatt B.K., Afzal A., Ağbulut Ü., Shaik S.	An enhancement in diesel engine performance, combustion, and emission attributes fueled with Eichhornia crassipes oil and copper oxide nanoparticles at different injection pressures	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	3	6501	6522	2.902	10.1080/15567036.2022.2100014
1532	Narayanan V.L., Mathew A.T.	Experimental investigation on load mitigation of a 5 MW wind turbine in digital fluid power pitch system test rig based on predictive load mitigation controller	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	3	7194	7216	2.902	10.1080/15567036.2022.2107120
1533	Das P.K., Dash S.K., Ganguly R., Santra A.K., Venkatesan E.P., Rajhi A.A., Shaik S., Afzal A.	Effect of particle loading and temperature on the rheological behavior of Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> nanofluids	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	3	7062	7079	2.902	10.1080/15567036.2022.2103214

1534	Veeramanikandan M., Arjunan T.V., Gunasekar N., Rubesh Raja V.	Design optimization and experimental evaluation of novel photovoltaic modules in comparison with a conventional photovoltaic module	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	4	8627	8643	2.902	10.1080/15567036.2022.2123870
1535	Chandrashekar R., Kumar B.	Experimental investigation on energy saving potential for thermally activated buildings integrated with the active cooling system	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	3	7585	7597	2.902	10.1080/15567036.2022.2116132
1536	Nayak S., Maity S., Sahu N., Saini A., Singh K.S., Nayak H.P., Dutta S.	Application of "Observation Minus Reanalysis" Method towards LULC Change Impact over Southern India	ISPRS International Journal of Geo-Information	11	2			2.899	10.3390/ijgi11020094

1537	Shaji L.K., Kumar S.K.A.	A quinoline-benzothiazole-based chemosensor coupled with a smartphone for the rapid detection of In <sup>3+</sup> ions	Analytical Methods	14	6	620	626	2.896	10.1039/d1ay01767e
1538	Naha A., Ramaiah S.	Structural chemistry and molecular-level interactome reveals histidine kinase EvgS to subvert both antimicrobial resistance and virulence in <i>Shigella flexneri</i> 2a str. 301	3 Biotech	12	10			2.893	10.1007/s13205-022-03325-w
1539	Naik S., Deora N., Pal S.K., Ahmed M.Z., Alqahtani A.S., Shukla P.K., Venkatraman K., Kumar S.	Purification, biochemical characterization, and DPP-IV and $\alpha$ -amylase inhibitory activity of Berberine from <i>Cardiospermum halicacabum</i>	Journal of Molecular Recognition					2.891	10.1002/jmr.2983

1540	Thangaraj C., Easwaramoorthy D.	Generalized fractal dimensions based comparison analysis of edge detection methods in CT images for estimating the infection of COVID-19 disease	European Physical Journal: Special Topics					2.891	10.1140/epjs/s11734-022-00651-1
1541	Pandimeena G., Mathavan T., Samuel E.J.J., Milton Franklin Benial A.	Quantum chemical, spectroscopic and molecular docking investigations of potential pulmonary fibrosis drug methyl 2-chloro 4-iodonicotinate	Journal of Molecular Recognition					2.891	10.1002/jmr.3001
1542	Deora N., Venkatraman K.	Lipase activity inhibited by aloenin A: Glycoside from Aloe vera (L.) Burm. f.—In vitro and molecular docking studies	Journal of Molecular Recognition					2.891	10.1002/jmr.3002

1543	Saidani O., Manoharan R.R., Naje A.S., Mishra R., Subburaj A., S M., Sikkandar M.Y., Sundaram S.G., Rajan R., Sengan S.	Analysis of positive correlation in magnitude and time measurement for earthquake using electric signals	Earth Science Informatics					2.878	10.1007/s12145-021- 00754-8
1544	Miryala S.K., Ramaiah S.	Cellular and molecular level host-pathogen interactions in Francisella tularensis: A microbial gene network study	Computational Biology and Chemistry	96				2.877	10.1016/j.compbiolch em.2021.107601
1545	Low G.K.M., Ting A.P.L., Fok E.D.Z., Gopalakrishnan K., Zeegers D., Khaw A.K., Jayapal M., Martinez-Lopez W., Hande M.P.	Role of Xeroderma pigmentosum D (XPD) protein in genome maintenance in human cells under oxidative stress	Mutation Research - Genetic Toxicology and Environmental Mutagenesis	876-877				2.873	10.1016/j.mrgentox.2 022.503444

1546	Rai S., Badarinath A.R.S., George A., Sitaraman S., Bronson S.C., Anandt S., Babu K.T., Moses A., Saraswathy R., Hande M.P.	Association of telomere length with diabetes mellitus and idiopathic dilated cardiomyopathy in a South Indian population: A pilot study	Mutation Research - Genetic Toxicology and Environmental Mutagenesis	874-875				2.873	10.1016/j.mrgentox.2021.503439
1547	Ng G.Y.-Q., Hande V., Ong M.H., Wong B.W.-X., Loh Z.W.-L., Ho W.D., Handison L.B., Tan I.M.-S.P., Fann D.Y., Arumugam T.V., Prakash Hande M.	Effects of dietary interventions on telomere dynamics	Mutation Research - Genetic Toxicology and Environmental Mutagenesis	876-877				2.873	10.1016/j.mrgentox.2022.503472
1548	Karpagam S., Anupriya P., Supraja N.	Effects of chemical dopants on the luminescence, bandgap and electrochemical conductivity of the thiophene-based benzothiadiazole-conjugated polymers	Polymer Bulletin					2.870	10.1007/s00289-021-04050-9

1549	Sabareeswari K., Valarmathi N., Arunai Nambiraj N.S., Sumathi S.	Synthesis, characterization, mechanical property and antimicrobial activity of cerium/silver substituted HAP/PVA/CMC composite	Polymer Bulletin					2.870	10.1007/s00289-022- 04078-5
1550	Sashmitha K., Rani M.U.	A comprehensive review of polymer electrolyte for lithium-ion battery	Polymer Bulletin					2.870	10.1007/s00289-021- 04008-x
1551	S N.S., Madhuri W.	Structural, morphological, dielectric and tensile properties of BaTiO <sub>3</sub> -doped PVA/PVP polymer blend nanocomposites	Polymer Bulletin					2.870	10.1007/s00289-022- 04146-w



1552	Das S., Chakraborty K., Ghosh D., Pulimi M., Chandrasekaran N., Anand S., Rai P.K., Mukherjee A.	Systematic assessment of f-MWCNT transport in aqueous medium: the effect of shear and non-shear forces	International Journal of Environmental Science and Technology					2.860	10.1007/s13762-022-04295-5
1553	Maity S., Mukherjee R., Banerjee S.	Recent Advances and Therapeutic Strategies Using CRISPR Genome Editing Technique for the Treatment of Cancer	Molecular Biotechnology					2.860	10.1007/s12033-022-00550-9
1554	K S., E J.J.S.	Studies on the tissue and water equivalence of some 3D printing materials and dosimeters	Radiation Physics and Chemistry	198				2.858	10.1016/j.radphyschem.2022.110259
1555	Senthil C., Pandian R.S.	Proactive Maintenance Model Using Reinforcement Learning Algorithm in Rubber Industry	Processes	10	2			2.847	10.3390/pr10020371

1556	Zafar M., Aggarwal A., Rene E.R., Barbusiński K., Mahanty B., Behera S.K.	Data-Driven Machine Learning Intelligent Tools for Predicting Chromium Removal in an Adsorption System	Processes	10	3			2.847	10.3390/pr10030447
1557	Priyadarshini J., Elangovan M., Mahdal M., Jayasudha M.	Machine-Learning-Assisted Prediction of Maximum Metal Recovery from Spent Zinc–Manganese Batteries	Processes	10	5			2.847	10.3390/pr10051034
1558	Vijayakanth V., Chintagumpala K.	A review on an effect of dispersant type and medium viscosity on magnetic hyperthermia of nanoparticles	Polymer Bulletin					2.843	10.1007/s00289-022-04324-w

1559	Rama M., Vijayalakshmi U.	Drug delivery system in bone biology: an evolving platform for bone regeneration and bone infection management	Polymer Bulletin					2.843	10.1007/s00289-022-04442-5
1560	Venkatesh K., Jenova I., Karthikeyan S., Madeswaran S., Arivanandhan M., Joice Sheeba D., Nithya S.	Polymer electrolyte based on guar gum and ammonium thiocyanate for proton battery application	Polymer Bulletin					2.843	10.1007/s00289-022-04572-w
1561	Nachiyar G.K.V., Surendra T.V., Kalaiselvi V., Rajagopal R., Kuppusamy P., Basavegowda N., Roopan S.M.	Box–Behnken response surface methodology design for amaranth dye degradation using gold nanoparticles	Optik	267				2.84	10.1016/j.ijleo.2022.169633

1562	Khadidos A., Subbalakshmi A.V.V.S., Khadidos A., Alsobhi A., Yaseen S.M., Mirza O.M.	Wireless communication based cloud network architecture using AI assisted with IoT for FinTech application	Optik	269				2.840	10.1016/j.ijleo.2022.169872
1563	Tandon A., Shastri R., Murthy M.Y.B., Sarma P., Renjith P.N., Rajesh M.V.	Video streaming in ultra high definition (4K and 8K) on a portable device employing a Versatile Video Coding standard	Optik	271				2.840	10.1016/j.ijleo.2022.170164
1564	Rupa M.L., Aruna K.	Optical soliton solutions of nonlinear time fractional Biswas–Milovic equation	Optik	270				2.84	10.1016/j.ijleo.2022.169921
1565	Lawande S.R., Jasmine G., Anbarasi J., Izhar L.I.	A Systematic Review and Analysis of Intelligence-Based Pathfinding Algorithms in the Field of Video Games	Applied Sciences (Switzerland)	12	11			2.838	10.3390/app12115499

1566	Venkatesan V., Mayakrishnan M.	Behavior of Mono Helical Pile Foundation in Clays under Combined Uplift and Lateral Loading Conditions	Applied Sciences (Switzerland)	12	14			2.838	10.3390/app1214682 7
1567	Vaiyapuri T., Liyakathunisa, Alaskar H., Parvathi R., Pattabiraman V., Hussain A.	Cat Swarm Optimization- Based Computer- Aided Diagnosis Model for Lung Cancer Classification in Computed Tomography Images	Applied Sciences (Switzerland)	12	11			2.838	10.3390/app1211549 1
1568	Turki T., Roy S.S.	Novel Hate Speech Detection Using Word Cloud Visualization and Ensemble Learning Coupled with Count Vectorizer	Applied Sciences (Switzerland)	12	13			2.838	10.3390/app1213661 1
1569	Mohanrajan S.N., Loganathan A.	Novel Vision Transformer-Bas ed Bi-LSTM Model for LU/LC Prediction—Java di Hills, India	Applied Sciences (Switzerland)	12	13			2.838	10.3390/app1213638 7

1570	Elkaseer A., Charles A., Schneider S., Scholz S.G.	Part Tailoring in Metal-Additive Manufacturing: A Step towards Functionally Graded Customized Stainless-Steel Components Using Laser Powder Bed Fusion	Applied Sciences (Switzerland)	12	12			2.838	10.3390/app12126193
1571	Jana A., Krishnakumar S.S.	Sign Language Gesture Recognition with Convolutional-Type Features on Ensemble Classifiers and Hybrid Artificial Neural Network	Applied Sciences (Switzerland)	12	14			2.838	10.3390/app12147303
1572	Kumar S.S., Ramachandran P.	Review on Compressive Sensing Algorithms for ECG Signal for IoT Based Deep Learning Framework	Applied Sciences (Switzerland)	12	16			2.838	10.3390/app12168368

1573	Ali B H B.F., Ramachandran P.	Compressive Domain Deep CNN for Image Classification and Performance Improvement Using Genetic Algorithm-Based Sensing Mask Learning	Applied Sciences (Switzerland)	12	14			2.838	10.3390/app12146881
1574	Donga H.V., Karlapati J.S.A.N., Desineedi H.S.S., Periasamy P., TR S.	Effective Framework for Pulmonary Nodule Classification from CT Images Using the Modified Gradient Boosting Method	Applied Sciences (Switzerland)	12	16			2.838	10.3390/app12168264
1575	Karunakaran H., Bhumireddy V.	Utilising Neutrosophic Logic in the Design of a Smart Air-Conditioning System	Applied Sciences (Switzerland)	12	19			2.838	10.3390/app12199776

1576	Neelam Jaikishore C., Podaturpet Arunkumar G., Jagannathan Srinath A., Vamsi H., Srinivasan K., Ramesh R.K., Jayaraman K., Ramachandran P.	Implementation of Deep Learning Algorithm on a Custom Dataset for Advanced Driver Assistance Systems Applications	Applied Sciences (Switzerland)	12	18			2.838	10.3390/app12188927
1577	Muthukrishnan P., Sathasivam S.	A Technical Survey on Delay Defects in Nanoscale Digital VLSI Circuits	Applied Sciences (Switzerland)	12	18			2.838	10.3390/app12189103
1578	Gnanasekaran S., Jakkamputi L., Thangamuthu M., Marikkannan S.K., Rakkiyannan J., Thangavelu K., Kotha G.	Condition Monitoring of an All-Terrain Vehicle Gear Train Assembly Using Deep Learning Algorithms with Vibration Signals	Applied Sciences (Switzerland)	12	21			2.838	10.3390/app122110917



1579	Garg K.D., Shekhar S., Kumar A., Goyal V., Sharma B., Chengoden R., Srivastava G.	Framework for Handling Rare Word Problems in Neural Machine Translation System Using Multi-Word Expressions	Applied Sciences (Switzerland)	12	21			2.838	10.3390/app122111038
1580	Premalatha M., Viswanathan V., Čepová L.	Application of Semantic Analysis and LSTM-GRU in Developing a Personalized Course Recommendation System	Applied Sciences (Switzerland)	12	21			2.838	10.3390/app122110792
1581	Mohan R., Shrikhande S., Joshi V., Harish R.	Numerical Investigation on Thermal Performance of Duplex Nanocoolant Jets in Drilling of Ti-6Al-4V Alloy	Applied Sciences (Switzerland)	12	22			2.838	10.3390/app122211715

1582	Sivanandham S., Gunaseelan D.B.	Development of an Ensembled Meta-Deep Learning Model for Semantic Road-Scene Segmentation in an Unstructured Environment	Applied Sciences (Switzerland)	12	23			2.838	10.3390/app122312214
1583	Jakkamputi L., Devaraj S., Marikkannan S., Gnanasekaran S., Ramasamy S., Rakkiyannan J., Xu Y.	Experimental and Computational Vibration Analysis for Diagnosing the Defects in High Performance Composite Structures Using Machine Learning Approach	Applied Sciences (Switzerland)	12	23			2.838	10.3390/app122312100
1584	Gadipudi N., Elamvazuthi I., Izhar L.I., Tiwari L., Hebbalaguppe R., Lu C.-K., Doss A.S.A.	A review on monocular tracking and mapping: from model-based to data-driven methods	Visual Computer					2.835	10.1007/s00371-022-02702-z

1585	Aravind K., Maddikunta P.K.R.	Multiobjectives for Optimal Geographic Routing in IoT Health Care System	Complexity	2022					2.833	10.1155/2022/756880 4
1586	Lakshmana K., Shaik F., Gunjan V.K., Singh N., Kumar G., Shafi R.M.	Perimeter Degree Technique for the Reduction of Routing Congestion during Placement in Physical Design of VLSI Circuits	Complexity	2022					2.833	10.1155/2022/865877 0
1587	Deepak H.B., Prince S.E., Deshpande P.	Effect of baricitinib in regulating programmed death 1 and ligand programmed cell death ligand 1 through JAK/STAT pathway in psoriasis	Indian journal of pharmacology	54	3	183	193		2.833	10.4103/ijp.ijp_1089_ 20
1588	Priya S., Ilaiyaraja P., Priyadarshini N.	Fibrous TiO2 exhibiting efficient U(VI) adsorption from aqueous solution	International Journal of Environmental Analytical Chemistry						2.826	10.1080/03067319.20 22.2047182

1589	Devi Priya D., Rahman Khan M.M., Mohana Roopan S., Sreedhar D., Nandhakumar M., Ganesapillai M.	Organic contaminants: photocatalytic degradation using HHP/CuONPs (2D/3D) composite as a heterogeneous catalyst	International Journal of Environmental Analytical Chemistry					2.826	10.1080/03067319.20 22.2060087
1590	Lakshmipathi J., Senthilkumar M., Jegadeeshwaran R., Sakthivel G., Gangadhar K., Kannan T.	Performance evaluation of artificial neural networks for a fish oil biodiesel fueled diesel engine: Paying a pathway to sustainable energy in environmental progress	Environmental Progress and Sustainable Energy					2.824	10.1002/ep.14021
1591	Elumalai G., Sowmya B., Rajan R.K., Shanmugam V.	Experimental study of photo electro-Fenton method for the removal of Reactive Yellow 186: Influence of operational parameters	Environmental Progress and Sustainable Energy					2.824	10.1002/ep.14061

1592	Manikandan V.P., Rahamathunnisa U.	A neural network aided attuned scheme for gun detection in video surveillance images	Image and Vision Computing	120					2.818	10.1016/j.imavis.2022.104406
1593	Dubey R., Guruviah V.	A data-driven approach for evaluation of electrolyte informatics on electrochemical performance of carbon-based electrode materials	Ionics						2.817	10.1007/s11581-022-04480-z
1594	Vinoth D., Prabhavathy P.	Automated sarcasm detection and classification using hyperparameter tuned deep learning model for social networks	Expert Systems						2.812	10.1111/exsy.13107

1595	Mariammal G., Suruliandi A., Segovia-Bravo K.A., Raja S.P.	Predicting the suitable fertilizer for crop based on soil and environmental factors using various feature selection techniques with classifiers	Expert Systems					2.812	10.1111/exsy.13024
1596	Chidambaram S., Ganesh S.S., Karthick A., Jayagopal P., Balachander B., Manoharan S.	Diagnosing Breast Cancer Based on the Adaptive Neuro-Fuzzy Inference System	Computational and Mathematical Methods in Medicine	2022				2.809	10.1155/2022/9166873
1597	Shelatkar T., Urvashi D., Shorfuzzaman M., Alsufyani A., Lakshmana K.	Diagnosis of Brain Tumor Using Light Weight Deep Learning Model with Fine-Tuning Approach	Computational and Mathematical Methods in Medicine	2022				2.809	10.1155/2022/2858845
1598	Bhardwaj P., Gupta P., Guhan T., Srinivasan K.	Early Diagnosis of Retinal Blood Vessel Damage via Deep Learning-Powered Collective Intelligence Models	Computational and mathematical methods in medicine	2022		3571364		2.809	10.1155/2022/3571364

1599	Ayub S., Boddu R., Verma H., Revathi B S., Saraswat B.K., Haldorai A.	Health Index Estimation of Wind Power Plant Using Neurofuzzy Modeling	Computational and Mathematical Methods in Medicine	2022				2.809	10.1155/2022/953525 4
1600	Sangeetha S.K.B., Kumar M.S., Deebe K., Rajadurai H., Maheshwari V., Dalu G.T.	An Empirical Analysis of an Optimized Pretrained Deep Learning Model for COVID-19 Diagnosis	Computational and Mathematical Methods in Medicine	2022				2.809	10.1155/2022/977121 2
1601	Praveen C.K., Srinivasan K.	Psychological Impact and Influence of Animation on Viewer's Visual Attention and Cognition: A Systematic Literature Review, Open Challenges, and Future Research Directions	Computational and Mathematical Methods in Medicine	2022				2.809	10.1155/2022/880254 2

1602	Shanmugavadivel K., Sathishkumar V.E., Kumar M.S., Maheshwari V., Prabhu J., Allayear S.M.	Investigation of Applying Machine Learning and Hyperparameter Tuned Deep Learning Approaches for Arrhythmia Detection in ECG Images	Computational and mathematical methods in medicine	2022		8571970		2.809	10.1155/2022/8571970
1603	Palanivinayagam A., Panneerselvam R.K., Kumar P.J., Rajadurai H., Maheshwari V., Allayear S.M.	Analysis on COVID-19 Infection Spread Rate during Relief Schemes Using Graph Theory and Deep Learning	Computational and Mathematical Methods in Medicine	2022				2.809	10.1155/2022/8131193
1604	Saravanan S., Kumar V.V., Sarveshwaran V., Indirajithu A., Elangovan D., Allayear S.M.	Computational and Mathematical Methods in Medicine Glioma Brain Tumor Detection and Classification Using Convolutional Neural Network	Computational and Mathematical Methods in Medicine	2022				2.809	10.1155/2022/4380901



1605	Yaykasli H., Avar B., Panigrahi M., Gogebakan M., Eskalen H.	Investigation of the Microstructural, Morphological, and Magnetic Properties of Mechanically Alloyed Co <sub>60</sub> Fe <sub>18</sub> Ti <sub>18</sub> Si <sub>4</sub> Powders	Arabian Journal for Science and Engineering					2.807	10.1007/s13369-022-07037-4
1606	Trivedi P., Vansjalia R., Erra S., Narayanan S., Nagaraju D.	A Fuzzy CRITIC and Fuzzy WASPAS-Based Integrated Approach for Wire Arc Additive Manufacturing (WAAM) Technique Selection	Arabian Journal for Science and Engineering					2.807	10.1007/s13369-022-07127-3
1607	Rajasozhaperumal G., Kannan C.	Influence of Fatty Acid Composition on the Tribological Performance of Methyl Esters Under Boundary Lubrication Regime	Arabian Journal for Science and Engineering					2.807	10.1007/s13369-022-07232-3

1608	Zakir H.M., Jinny S.V.	Preprocessing of Unstructured Data Using 2D Coiflet Wavelet-Based Optimized Back-Propagation Neural Network for Opinion Mining	Arabian Journal for Science and Engineering					2.807	10.1007/s13369-022-07285-4
1609	Dubey R., Guruviah V.	Predictive Modeling of Higher Heating Value of Biomass Using Ensemble Machine Learning Approach	Arabian Journal for Science and Engineering					2.807	10.1007/s13369-022-07346-8
1610	Ingale A.K., Leema A.A., kim H.S., Udayan J.D.	Automatic 3D Facial Landmark-Based Deformation Transfer on Facial Variants for Blendshape Generation	Arabian Journal for Science and Engineering					2.807	10.1007/s13369-022-07403-2

1611	Koruprolu V.B.R., Nirmala G.	Development of process flow scheme on a low-grade calcareous graphite ore by split flotation technique	Separation Science and Technology (Philadelphia)					2.799	10.1080/01496395.2022.2136575
1612	Vijayaraj N., Arunagiri S.	Demultiplexer design using photonic crystal ring resonator with high quality factor and less footprint for DWDM application	Optical and Quantum Electronics	54	8			2.794	10.1007/s11082-022-03817-2
1613	Yupapin P., Sharafali A., Sreethu P., Sridarshini T., Adhikari D., Karthikeyan M.	Modulation instability induced supercontinuum generation in defective core photonic crystal fiber	Optical and Quantum Electronics	54	8			2.794	10.1007/s11082-022-03840-3
1614	Choudhury M., Sahoo S., Samanta P., Tiwari A., Tiwari A., Chadha U., Bhardwaj P., Nalluri A., Eticha T.K., Chakravorty A.	COVID-19: An Accelerator for Global Plastic Consumption and Its Implications	Journal of environmental and public health	2022			1066350	2.791	10.1155/2022/1066350

1615	Maadhu T., Vinitha G.	Growth, structural, optical, thermal and mechanical properties of morpholinium 3,5-Dinitrosalicylate single crystals for nonlinear optical applications	Journal of Materials Science: Materials in Electronics	33	26	20911	20928	2.779	10.1007/s10854-022-08898-z
1616	Saravanakumar M., Chandrasekaran J., Krishnakumar M., Babu B., Mohanraj V., Vinitha G.	Spectroscopic and quantum chemical investigation of hexamethylenetetraminium 3, 5-dinitrobenzoate hemihydrate single crystals for optical limiting applications	Journal of Materials Science: Materials in Electronics					2.779	10.1007/s10854-022-09020-z
1617	Sajeev L., Sreelakshmi C., Charlotte M.R., Manoj A.M., Subramaniam C.K., Raj N.A.N., Rajeswaran B., Viannie L.R.	Study of structural and electrochemical properties of tungsten-doped V2O5 nanostructures for solid state energy storage applications	Journal of Materials Science: Materials in Electronics					2.779	10.1007/s10854-022-09103-x

1618	Sukumar M., Agila M., Sutha A., Ravi V., Al-Enizi A.M., Ubaidullah M., Samdani M.S., Sundararajan M., Pandit B.	Temperature-dependent phase transition: structural, optical, magnetic and dielectric properties of La <sub>2</sub> CuO <sub>4</sub> perovskite nanoparticles	Journal of Materials Science: Materials in Electronics					2.779	10.1007/s10854-022-09301-7
1619	Ranjith Emmanuel J., Kamalesh T., Karuppasamy P., Senthil Pandian M., Ramasamy P.	Growth of 2-amino-5-chloropyridinium 5-sulfosalicylate (2A5CP5S) single crystals: investigation of physicochemical properties for nonlinear optical applications	Journal of Materials Science: Materials in Electronics	33	33	25285	25296	2.779	10.1007/s10854-022-09235-0
1620	Abirami S., Chitra P.	Probabilistic air quality forecasting using deep learning spatial-temporal neural network	GeoInformatic a					2.773	10.1007/s10707-022-00479-w

1621	Muthuchamy A., Srikanth M., Yadav D.V., Raja Annamalai A.	Effect of Ta addition on the sinterability of spark plasma sintered W-Ni-Fe alloy	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture					2.759	10.1177/0954405422 1136519
1622	Shafi J., Obaidat M.S., Krishna P.V., Sadoun B., Pounambal M., Gitanjali J.	Prediction of heart abnormalities using deep learning model and wearable devices in smart health homes	Multimedia Tools and Applications	81	1	543	557	2.757	10.1007/s11042-021- 11346-5
1623	Ravi S., S S., Shahina A., N. Ilakiyaselvan, Khan A.N.	Epileptic seizure detection using convolutional neural networks and recurrence plots of EEG signals	Multimedia Tools and Applications					2.757	10.1007/s11042-021- 11608-2
1624	Acharjya D.P., Ahmed P.K.	A hybridized rough set and bat-inspired algorithm for knowledge inferencing in the diagnosis of chronic liver disease	Multimedia Tools and Applications					2.757	10.1007/s11042-021- 11495-7

1625	Gupta V., Jain N., Garg H., Jhunthra S., Mohan S., Omar A.H., Ahmadian A.	Predicting attributes based movie success through ensemble machine learning	Multimedia Tools and Applications					2.757	10.1007/s11042-021- 11553-0
1626	Tripathi P.M., Kumar A., Komaragiri R., Kumar M.	Watermarking of ECG signals compressed using Fourier decomposition method	Multimedia Tools and Applications					2.757	10.1007/s11042-021- 11492-w
1627	Bhuvaneshwari P., Rao A.N., Robinson Y.H., Thippeswamy M.N.	Sentiment analysis for user reviews using Bi- LSTM self- attention based CNN model	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12410-4
1628	Nagarajan R., Thirunavukarasu R.	A neuro-fuzzy based healthcare framework for disease analysis and prediction	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12369-2
1629	Arthi G., Thanikaiselvan V., Amirtharajan R.	4D Hyperchaotic map and DNA encoding combined image encryption for secure communication	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12598-5

1630	K L., Karnick S., Ghalib M.R., Shankar A., Khapre S., Tayubi I.A.	A novel method for vehicle detection in high- resolution aerial remote sensing images using YOLT approach	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12613-9
1631	Srivastava A., Raghu S., Thyagarajan A.K., Vaidyaraman J., Kothandaraman M., Sudheendra P., Goel A.	Alpha matting for portraits using encoder- decoder models	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12514-x
1632	Mohapatra A., Thota N., Prakasam P.	Fake news detection and classification using hybrid BiLSTM and self- attention model	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12764-9
1633	Mishra N.K., Singh A., Singh P.K.	Multi-label personality trait identification from text	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12548-1
1634	Sridevi A., Sivaraman R., Balasubramaniam V., Sreenithi, Siva J., Thanikaiselvan V., Rengarajan A.	On Chaos based duo confusion duo diffusion for colour images	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12471-5



1635	Kalburgi S.S., Manimozhi M.	Taylor-spotted hyena optimization algorithm for reliable and energy-efficient cluster head selection based secure data routing and failure tolerance in WSN	Multimedia Tools and Applications					2.757	10.1007/s11042-022-12302-7
1636	Gupta B., Prakasam P., Velmurugan T.	Integrated BERT embeddings, BiLSTM-BiGRU and 1-D CNN model for binary sentiment classification analysis of movie reviews	Multimedia Tools and Applications					2.757	10.1007/s11042-022-13155-w
1637	Iyer A., Das S.S., Teotia R., Maheshwari S., Sharma R.R.	CNN and LSTM based ensemble learning for human emotion recognition using EEG recordings	Multimedia Tools and Applications					2.757	10.1007/s11042-022-12310-7

1638	Raju K.U., Prabha N.A.	Error-free and mean value based reversible data hiding using gravitational search algorithm in encrypted images	Multimedia Tools and Applications					2.757	10.1007/s11042-022-12419-9
1639	Chaki J.	Two-fold brain tumor segmentation using fuzzy image enhancement and DeepBrainet2.0	Multimedia Tools and Applications					2.757	10.1007/s11042-022-13014-8
1640	Chazhoor A., Sarobin V.R.	Intelligent automation of invoice parsing using computer vision techniques	Multimedia Tools and Applications					2.757	10.1007/s11042-022-12916-x

1641	Agilandeewari L., Paliwal S., Chandrakar A., Prabukumar M.	A new lightweight conditional privacy preserving authentication and key – agreement protocol in social internet of things for vehicle to smart grid networks	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12946-5
1642	Jawahar M., Prassanna J., Ravi V., Anbarasi L.J., Jasmine S.G., Manikandan R., Sekaran R., Kannan S.	Computer-aided diagnosis of COVID-19 from chest X-ray images using histogram- oriented gradient features and Random Forest classifier	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 13183-6
1643	Bharath K.P., Kumar M.R.	Replay spoof detection for speaker verification system using magnitude-phase instantaneous frequency and energy features	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12380-7

1644	Pavithra L.K., Srinivasan R., Sharmila T.S.	Optimum anamorphic image generation using image rotation and relative entropy	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 12982-1
1645	Paul L.S.J., Gracias C., Desai A., Thanikaiselvan V., Suba Shanthini S., Rengarajan A.	A novel colour image encryption scheme using dynamic DNA coding, chaotic maps, and SHA-2	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 13095-5
1646	Matheen M.A., Sundar S.	Histogram and entropy oriented image coding for clustered wireless multimedia sensor networks (WMSNS)	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 13060-2
1647	Annadurai S., Arock M., Vadivel A.	Real and fake emotion detection using enhanced boosted support vector machine algorithm	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 13210-6

1648	Jawahar M., Anbarasi L.J., Geetha S.	Vision based leather defect detection: a survey	Multimedia Tools and Applications					2.757	10.1007/s11042-022- 13308-x
1649	Douglin J.C., Singh R.K., Hamo E.R., Hassine M.B., Ferreira P.J., Rosen B.A., Miller H.A., Rothenberg G., Dekel D.R.	Performance optimization of PGM and PGM- free catalysts in anion-exchange membrane fuel cells	Journal of Solid State Electrochemist ry	26	9	2049	2057	2.747	10.1007/s10008-022- 05261-4
1650	Bhardwaj V., Patel D.A., Majeed S.A., Sahul Hameed A.S., Aatif M.A., Kumar A.S.K., Sahoo S.K.	Probing Biothiols Using a Red- Emitting Pyridoxal Derivative by Adopting Copper(II) Displacement Approach and Cell Imaging	Chemistry and Biodiversity					2.745	10.1002/cbdv.202200 425
1651	Rambabu G., Kiran Y.B.R., Tarakeswar Y., Khalivulla S.I., Barbosa L.C.A., Vijayakumar V.	Montmorillonite K10 Clay Catalyzed Synthesis of Novel $\beta$ - Aminocarbonyl Compounds and Their Biological Evaluation	Chemistry and Biodiversity					2.745	10.1002/cbdv.202200 669

1652	Jena A.B., Kanungo N., Chainy G.B.N., Devaraji V., Das S.K., Dandapat J.	A Computational Insight on the Inhibitory Potential of 8-Hydroxydihydroanguinarine (8-HDS), a Pyridone Containing Analog of Sanguinarine, against SARS CoV2**	Chemistry and Biodiversity					2.745	10.1002/cbdv.202200266
1653	Madhava Reddy M., Desikan R., Naik S., Kumar S., Kumar D T., Priya Doss C G., Sivaramakrishna A.	Designing, Synthesis, and Anti-Breast Cancer Activity of a Series of New Quinazolin-4(1H)-one Derivatives	Chemistry and Biodiversity	19	12			2.745	10.1002/cbdv.202200662
1654	Bhattacharya P., Patel T.N.	Looking beyond the cytogenetics in haematological malignancies: decoding the role of tandem repeats in DNA repair genes	Molecular Biology Reports					2.742	10.1007/s11033-022-07761-y

1655	Naik S., Kumar S.	Lectins from plant and algae act as anti-viral against HIV, influenza and coronaviruses	Molecular Biology Reports					2.742	10.1007/s11033-022-07854-8
1656	Long P., Liu J., Gangadharan M., Wang W.	Certain subclass of analytic functions based on q-derivative operator associated with the generalized Pascal snail and its applications	AIMS Mathematics	7	7	13423	13441	2.739	10.3934/math.2022742
1657	Mishra L.N., Pathak V.K., Baleanu D.	Approximation of solutions for nonlinear functional integral equations	AIMS Mathematics	7	9	17486	17506	2.739	10.3934/math.2022964
1658	Patel S., Veeramalai T.	Image Encryption Using a Spectrally Efficient Halton Logistics Tent (HaLT) Map and DNA Encoding for Secured Image Communication	Entropy	24	6			2.738	10.3390/e24060803

1659	Karthick M., Meikandan M., Kaliappan S., Karthick M., Sekar S., Patil P.P., Raja S., Natrayan L., Paramasivam P.	Experimental Investigation on Mechanical Properties of Glass Fiber Hybridized Natural Fiber Reinforced Penta- Layered Hybrid Polymer Composite	International Journal of Chemical Engineering	2022				2.729	10.1155/2022/186444 6
1660	Sekhar K.C., Surakasi R., Roy D.P., Rosy P.J., Sreeja T.K., Raja S., Chowdary V.L.	Mechanical Behavior of Aluminum and Graphene Nanopowder- Based Composites	International Journal of Chemical Engineering	2022				2.729	10.1155/2022/222448 2
1661	Raja S., Agrawal A.P., P Patil P., Timothy P., Capangpangan R.Y., Singhal P., Wotango M.T.	Optimization of 3D Printing Process Parameters of Polylactic Acid Filament Based on the Mechanical Test	International Journal of Chemical Engineering	2022				2.729	10.1155/2022/583086 9



1662	Dineshkumar C., Jeyakumar P.D., Arvinda Pandian C.K., Rajmohan N., Elumalai P.V., Kamesh N., Shaik S., Sharifpur M., Khalilpoor N.	Assessment on Performance and Emission Characteristics of the CRDI Engine Fueled with Ethanol/Diesel Blends in Addition to EGR	International Journal of Chemical Engineering	2022				2.729	10.1155/2022/441361 7
1663	Parthasarathy M., Elumalai P.V., Murunachippan M., Senthilkumar P.B., Shaik S., Sharifpur M., Khalilpoor N.	Influence of Injection Pressure on the Dual-Fuel Mode in CI Engines Fueled with Blends of Ethanol and Tamanu Biodiesel	International Journal of Chemical Engineering	2022				2.729	10.1155/2022/673096 3
1664	Sathish S., Vasudevan V., Karthik S., Ajithan C., Siva R., Parthasarathy S.P., Manickavasagam M.	Impact of silver nanoparticles on the micropropagation of Hybanthus enneaspermus and assessment of genetic fidelity using RAPD and SCoT markers	Plant Cell, Tissue and Organ Culture					2.726	10.1007/s11240-022- 02350-0

1665	Manickam P., Senthil R.	Numerical Investigation of Side-Polished SPR PCF Sensor for Urine Analysis	Plasmonics					2.726	10.1007/s11468-022-01688-7
1666	Karimi J., Antonov M., Prashanth K.G.	Effect of Wear Debris Entrapment on the Tribological Performance of AlCoCrFeNi Produced by Selective Laser Melting or Spark Plasma Sintering	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science					2.726	10.1007/s11661-022-06805-z
1667	Kumaran C., Baskaran I., Sathyaseelan B., Senthilnathan K., Manikandan E., Sambasivam S.	Effect of doping of iron on structural, optical and magnetic properties of CeO <sub>2</sub> nanoparticles	Chemical Physics Letters	808				2.719	10.1016/j.cplett.2022.140110
1668	Varikkottil S., Lionel F.D.J., Srinivasan M.K., Williamson S., Kannan R., Izhar L.I.	Role of Power Converters in Inductive Power Transfer System for Public Transport—A Comprehensive Review	Symmetry	14	3			2.713	10.3390/sym14030508

1669	Ramadevi B., Bingi K.	Chaotic Time Series Forecasting Approaches Using Machine Learning Techniques: A Review	Symmetry	14	5			2.713	10.3390/sym14050955
1670	Thamizharasan T., Reddy A.S.	Pulsating hydromagnetic flow and heat transfer of Jeffrey ferro-nanofluid in a porous channel: a dynamics of blood	European Physical Journal: Special Topics					2.707	10.1140/epjs/s11734-022-00528-3
1671	He S., Thangaraj C., Easwaramoorthy D., Muhiuddin G.	Multifractal analysis on age-based discrimination in X-ray images for sensing the severity of COVID-19 disease	European Physical Journal: Special Topics					2.707	10.1140/epjs/s11734-022-00615-5

1672	K.E.K V., Nadeem S.P., Ravichandran M., Ethirajan M., Kandasamy J.	Resilience strategies to recover from the cascading ripple effect in a copper supply chain through project management	Operations Management Research					2.706	10.1007/s12063-021-00231-x
1673	Mathivanan S.K., Jayagopal P.	Simulating crop yield estimation and prediction through geospatial data for specific regional analysis	Earth Science Informatics					2.705	10.1007/s12145-022-00887-4
1674	Samui P., Yesilyurt S.N., Dalkilic H.Y., Yaseen Z.M., Roy S.S., Kumar S.	Comparison of different optimized machine learning algorithms for daily river flow forecasting	Earth Science Informatics					2.705	10.1007/s12145-022-00896-3
1675	Lopes E.J., Kataria S., Keshav S., Ikram S.T., Ghalib M.R., Shankar A., Krichen M.	Live video streaming service with pay-as-you-use model on Ethereum Blockchain and InterPlanetary file system	Wireless Networks					2.701	10.1007/s11276-022-03009-6

1676	Devipriya S., Martin Leo Manickam J., Anita X.	On the outage performance of decode-and-forward based relay ordering in cognitive wireless sensor networks	Wireless Networks					2.701	10.1007/s11276-022-03038-1
1677	Maya J., Sivaprasad K., Sarath Kumar G.V., Baitimerov R., Lykov P., Prashanth K.G.	Microstructure, Mechanical Properties, and Corrosion Behavior of 06Cr15Ni4CuMo Processed by Using Selective Laser Melting	Metals	12	8			2.695	10.3390/met12081303
1678	Zhu Q., Chen P., Xiao Q., Li F., Yi J., Prashanth K.G., Eckert J.	Mechanical Properties and Microstructural Evolution of Ti-25Nb-6Zr Alloy Fabricated by Spark Plasma Sintering at Different Temperatures	Metals	12	11			2.695	10.3390/met12111824
1679	Lakshmana K., Kaluri R., Gundluru N., Alzamil Z.S., Rajput D.S., Khan A.A., Haq M.A., Alhussen A.	A Review on Deep Learning Techniques for IoT Data	Electronics (Switzerland)	11	10			2.69	10.3390/electronics11101604

1680	Girijaprasanna T., Dhanamjayulu C.	A Review on Different State of Battery Charge Estimation Techniques and Management Systems for EV Applications	Electronics (Switzerland)	11	11			2.69	10.3390/electronics11 111795
1681	Kumar K.G.S., Venkatesan A., Selvaraj D., Raj A.N.J.	Rapid and Accurate Diagnosis of COVID-19 Cases from Chest X-ray Images through an Optimized Features Extraction Approach	Electronics (Switzerland)	11	17			2.690	10.3390/electronics11 172682
1682	Nancy A.A., Ravindran D., Raj Vincent P.M.D., Srinivasan K., Gutierrez Reina D.	IoT-Cloud-Based Smart Healthcare Monitoring System for Heart Disease Prediction via Deep Learning	Electronics (Switzerland)	11	15			2.690	10.3390/electronics11 152292
1683	Kandati D.R., Gadekallu T.R.	Genetic Clustered Federated Learning for COVID-19 Detection	Electronics (Switzerland)	11	17			2.690	10.3390/electronics11 172714

1684	Selvaraj N.P., Paulraj S., Ramadass P., Kaluri R., Shorfuzzaman M., Alsufyani A., Uddin M.	Exposure of Botnets in Cloud Environment by Expending Trust Model with CANFES Classification Approach	Electronics (Switzerland)	11	15			2.690	10.3390/electronics11152350
1685	Ch R., Srivastava G., Nagasree Y.L.V., Ponugumati A., Ramachandran S.	Robust Cyber-Physical System Enabled Smart Healthcare Unit Using Blockchain Technology	Electronics (Switzerland)	11	19			2.69	10.3390/electronics11193070
1686	Md A.Q., Jaiswal D., Daftari J., Haneef S., Iwendi C., Jain S.K.	Efficient Dynamic Phishing Safeguard System Using Neural Boost Phishing Protection	Electronics (Switzerland)	11	19			2.69	10.3390/electronics11193133
1687	Manikandan V.M., Murthy K.S.R., Siddineni B., Victor N., Maddikunta P.K.R., Hakak S.	A High-Capacity Reversible Data-Hiding Scheme for Medical Image Transmission Using Modified Elias Gamma Encoding	Electronics (Switzerland)	11	19			2.69	10.3390/electronics11193101

1688	Anitha P., Chandrasekaran S.	Isogeny Hosmer–Lemesh ow Logistic Regression-Based Secured Information Sharing for Pharma Supply Chain	Electronics (Switzerland)	11	19			2.69	10.3390/electronics11 193170
1689	Pandian M.T., Chouhan K., Kumar B.M., Dash J.K., Jhanjhi N.Z., Ibrahim A.O., Abulfaraj A.W.	Improving Efficiency of Large RFID Networks Using a Clustered Method: A Comparative Analysis	Electronics (Switzerland)	11	18			2.69	10.3390/electronics11 182968
1690	Ch R., Kumari D J., Gadekallu T.R., Iwendi C.	Distributed- Ledger-Based Blockchain Technology for Reliable Electronic Voting System with Statistical Analysis	Electronics (Switzerland)	11	20			2.690	10.3390/electronics11 203308



1691	Ganganwar V., Rajalakshmi R.	MTDOT: A Multilingual Translation-Based Data Augmentation Technique for Offensive Content Identification in Tamil Text Data	Electronics (Switzerland)	11	21			2.690	10.3390/electronics11213574
1692	Sakkarvarthi G., Sathianesan G.W., Murugan V.S., Reddy A.J., Jayagopal P., Elsisi M.	Detection and Classification of Tomato Crop Disease Using Convolutional Neural Network	Electronics (Switzerland)	11	21			2.690	10.3390/electronics11213618
1693	Agarwal R., Bhatti G., Singh R.R., Indragandhi V., Suresh V., Jasinska L., Leonowicz Z.	Intelligent Fault Detection in Hall-Effect Rotary Encoders for Industry 4.0 Applications	Electronics (Switzerland)	11	21			2.690	10.3390/electronics11213633
1694	Gautam S., Henry A., Zuhair M., Rashid M., Javed A.R., Maddikunta P.K.R.	A Composite Approach of Intrusion Detection Systems: Hybrid RNN and Correlation-Based Feature Optimization	Electronics (Switzerland)	11	21			2.690	10.3390/electronics11213529

1695	Pandya S.B., Visumathi J., Mahdal M., Mahanta T.K., Jangir P.	A Novel MOGNDO Algorithm for Security- Constrained Optimal Power Flow Problems	Electronics (Switzerland)	11	22			2.690	10.3390/electronics11 223825
1696	Gumber S., Ghosh S.	Quick Predictions of Onset Times and Rain Amounts from Monsoon Showers over Urban Built Environments	Atmosphere	13	3			2.686	10.3390/atmos13030 370
1697	Radhakrishnan N., Muniyandi A.P.	Dependable and Provable Secure Two-Factor Mutual Authentication Scheme Using ECC for IoT- Based Telecare Medical Information System	Journal of Healthcare Engineering	2022				2.682	10.1155/2022/927366 2
1698	Kavitha K.V.N., Ashok S., Imoize A.L., Ojo S., Selvan K.S., Ahanger T.A., Alhassan M.	On the Use of Wavelet Domain and Machine Learning for the Analysis of Epileptic Seizure Detection from EEG Signals	Journal of Healthcare Engineering	2022				2.682	10.1155/2022/892802 1

1699	Nigam D., Patel S.N., Raj Vincent P.M.D., Srinivasan K., Arunmozhi S.	Biometric Authentication for Intelligent and Privacy- Preserving Healthcare Systems	Journal of Healthcare Engineering	2022				2.682	10.1155/2022/178999 6
1700	Agilandeewari L., Prabukumar M., Radhesyam V., Phaneendra K.L.N.B., Farhan A.	Crop Classification for Agricultural Applications in Hyperspectral Remote Sensing Images	Applied Sciences (Switzerland)	12	3			2.679	10.3390/app1203167 0
1701	Ganesapillai M., Sinha A., Mehta R., Tiwari A., Chellappa V., Drewnowski J.	Design and Analysis of Artificial Neural Network (ANN) Models for Achieving Self- Sustainability in Sanitation	Applied Sciences (Switzerland)	12	7			2.679	10.3390/app1207338 4
1702	Vaiyapuri T., Liyakathunisa, Alaskar H., Aljohani E., Shridevi S., Hussain A.	Red Fox Optimizer with Data-Science- Enabled Microarray Gene Expression Classification Model	Applied Sciences (Switzerland)	12	9			2.679	10.3390/app1209417 2

1703	Manikandan P., Natrayan L., Duraimurugan S., Vasugi V.	Influence of Waste Glass Powder as an Aluminosilicate Precursor in Synthesizing Ternary Blended Alkali-Activated Binder	Silicon					2.67	10.1007/s12633-021- 01533-2
1704	Authimuthu S.B., Umadevi S., Andrushia A.D.	Low-power and High-speed Multi- operational Shift Register on Silicon Using Bi- enabled Pulsed Latch	Silicon					2.67	10.1007/s12633-021- 01517-2
1705	Kujur K.S., Rasheed G., Sridevi S.	InGaAs-Si Double Pocket-Dual Gate Tunnel FET Based 7T SRAM Design	Silicon					2.670	10.1007/s12633-022- 01737-0
1706	Salah A.N., Mabua S., Mehdi H., Msomi V., Kaddami M., Mohapatra P.	Effect of Multipass FSP on Si-rich TIG Welded Joint of Dissimilar Aluminum Alloys AA8011-H14 and AA5083-H321: EBSD and Microstructural Evolutions	Silicon					2.670	10.1007/s12633-022- 01717-4

1707	Kumar G.A.A.U., Jindal S.K., P K S.	Capacitance Response of Concave Well Substrate MEMS Double Touch Mode Capacitive Pressure Sensor: Robust Design, Theoretical Modeling, Numerical Simulation and Performance Comparison	Silicon					2.670	10.1007/s12633-022- 01693-9
1708	Kanithan S., Vignesh N.A., Jana S., Prasad C.G., Konguvel E., Vimalnath S.	Negative Capacitance Ferroelectric FET Based on Short Channel Effect for Low Power Applications	Silicon					2.670	10.1007/s12633-021- 01625-z
1709	Ramkumar K., Ramakrishnan V.N.	Performance Analysis of Germanium- Silicon Vertical Tunnel Field- Effect Transistors (Ge-Si-VTFETs) for Analog/RF Applications	Silicon					2.670	10.1007/s12633-022- 01802-8

1710	Jesuwanth Sugesh R.G., Sivasubramanian A., Balaji V.R.	Step PN Junction-Based Silicon Microring Modulator for High-Speed Application	Silicon					2.670	10.1007/s12633-022-01735-2
1711	Kumar R., Devi B.A., Sireesha V., Reddy A.K., Hariharan I., Konguvel E., Vignesh N.A.	Analysis and Design of Novel Doping Free Silicon Nanotube TFET with High-density Meshing Using ML for Sub Nanometre Technology Nodes	Silicon					2.670	10.1007/s12633-022-01859-5
1712	Hashmi A.W., Mehdi H., Mabuwa S., Msomi V., Mohapatra P.	Influence of FSP Parameters on Wear and Microstructural Characterization of Dissimilar TIG Welded Joints with Si-rich Filler Metal	Silicon					2.670	10.1007/s12633-022-01848-8
1713	Reena Monica P.	Seven Strategies to Suppress the Ambipolar Behaviour in CNTFETs: a Review	Silicon					2.670	10.1007/s12633-022-01813-5

1714	Anusuya P., Kumar P., Esakki P., Agarwal L.	Recent Study on Schottky Tunnel Field Effect Transistor for Biosensing Applications	Silicon					2.670	10.1007/s12633-022-01828-y
1715	Lakshmi Priya G., Rawat N., Abhishek S., Venkatesh M.	Modeling and Simulation of Double Gate Dielectric Stack Silicon Substrate Memristor Circuits for Low Power Applications	Silicon					2.670	10.1007/s12633-022-01944-9
1716	Sangeetha P., Nageshwari M., Rathika Thaya Kumari C., Srividhya S., Vinitha G., Mathubala G., Manikandan A., Lydia Caroline M., Khan A., Alorfi H.S., Hussein M.A., Puttegowda M.	Growth and Characterization of Second and Third Order Acentric Studies of L-Phenylalanine L-Phenylalaninium Malonate Single Crystal	Crystals	12	6			2.67	10.3390/cryst12060869

1717	Somasundaram M., NarendraKumar U.	Microstructural and Mechanical Properties of a Heat-Treated EV31A Magnesium Alloy Fabricated Using the Stir-Casting Process	Crystals	12	8			2.670	10.3390/cryst120811 63
1718	Tamiridi R.D., Goud R., Subramaniyan P., Sivaperuman K., Subramaniyan A.K., Charit I., Gollapudi S.	Contrasting Effects of Laser Shock Peening on Austenite and Martensite Phase Distribution and Hardness of Nitinol	Crystals	12	9			2.67	10.3390/cryst120913 19
1719	Mani R., Raja S., Kesavan K., Vijay P., Babu V.S., Dhas D.S., Velu K.	Experimental infection of Enterocytozoon hepatopanaei parasite (EHP) of penaeid shrimp in Indian marine crabs	Archives of Microbiology	204	7			2.667	10.1007/s00203-022- 03025-2



1720	Ramani P.V., Arun Kumar T.R.	Developing a schedule integrated automated safety planning tool for residential construction projects	International Journal of Occupational Safety and Ergonomics					2.665	10.1080/10803548.2022.2079825
1721	Abraham A.M., Venkatesan S.	A review on application of biomaterials for medical and dental implants	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.663	10.1177/14644207221121981
1722	Saju T., Velu M.	Experimental studies of fracture and fatigue crack growth in dissimilar metal welded joints of nickel-based superalloys: Cracks oriented along the weld	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.663	10.1177/14644207221130577

1723	Ramakrishna D., Bala Murali G.	Bio-inspired 3D-printed lattice structures for energy absorption applications: A review	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.663	10.1177/14644207221121948
1724	Radhamani R., Balakrishnan M.	The effect of copper on phase transformation, microstructure and mechanical characterization of Ni <sub>50-x</sub> Ti <sub>50</sub> Cu <sub>x</sub> shape-memory alloy	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.663	10.1177/14644207221137257
1725	Ramamoorthy M., Pallavarapu L.	Second order slip flow of a conducting Jeffrey nanofluid in an inclined asymmetric porous conduit with heat and mass transfer	Multidiscipline Modeling in Materials and Structures					2.655	10.1108/MMMS-08-2022-0149
1726	Wangchhuk J., Meher S.R.	Structural, electronic and magnetic properties of inverse spinel NiFe <sub>2</sub> O <sub>4</sub> : DFT + U investigation	Physics Letters, Section A: General, Atomic and Solid State Physics	443				2.654	10.1016/j.physleta.2022.128202

1727	Ahmad J., Kontoleon K.J., Al- Mulali M.Z., Shaik S., Ouni M.H.E., El- Shorbagy M.A.	Partial Substitution of Binding Material by Bentonite Clay (BC) in Concrete: A Review	Buildings	12	5			2.648	10.3390/buildings120 50634
1728	Sakthivel R., Satheesh T., Harshavarthini S., Almakhles D.J.	State estimation- based robust control design for periodic piecewise systems with time-varying delays	International Journal of Systems Science					2.648	10.1080/00207721.20 22.2123264
1729	Chadha U., Selvaraj S.K., Ravinuthala A.K., Maddini Y., Arasu K., Yadav S., Kumari O., Pant S., Paramasivam V.	Bioinspired Techniques in Freeze Casting: A Survey of Processes, Current Advances, and Future Directions	International Journal of Polymer Science	2022				2.642	10.1155/2022/916904 6
1730	Sailesh R., Yuvaraj L., Doddamani M., Babu Mailan Chinnapandi L., Pitchaimani J.	Sound absorption and transmission loss characteristics of 3D printed bio- degradable material with graded spherical perforations	Applied Acoustics	186				2.639	10.1016/j.apacoust.20 21.108457

1731	Babu Rao K., Mallikarjuna Reddy D.	Crack detection methodology in rotor bearing system by DWT based adaptive neuro-fuzzy inference systems	Applied Acoustics	192				2.639	10.1016/j.apacoust.2022.108728
1732	Sivapatham S., Kar A., Christensen M.G.	Gammatone Filter Bank-Deep Neural Network-based Monaural speech enhancement for unseen conditions	Applied Acoustics	194				2.639	10.1016/j.apacoust.2022.108784
1733	Aljafari B., Devarajan G., Arumugam S., Vairavasundaram I.	Design and Implementation of Hybrid PV/Battery-Based Improved Single-Ended Primary-Inductor Converter-Fed Hybrid Electric Vehicle	International Transactions on Electrical Energy Systems	2022				2.639	10.1155/2022/2934167

1734	Krishna R., Hemamalini S.	Optimal Energy Management of Virtual Power Plants with Storage Devices Using Teaching-and-Learning-Based Optimization Algorithm	International Transactions on Electrical Energy Systems	2022				2.639	10.1155/2022/1727524
1735	Alqahtani A.S., Kshirsagar P.R., Manoharan H., Balachandran P.K., Yogesh C.K., Selvarajan S.	Prophetic Energy Assessment with Smart Implements in Hydroelectricity Entities Using Artificial Intelligence Algorithm	International Transactions on Electrical Energy Systems	2022				2.639	10.1155/2022/2376353
1736	Shaik R.K., Dhanamjayulu C.	Synthesis and Implementation of a Multiport Dual Input-Dual Output Converter for Electric Vehicle Applications	International Transactions on Electrical Energy Systems	2022				2.639	10.1155/2022/9279475

1737	Ramu S.K., Irudayaraj G.C.R., Devarajan G., Indragandhi V., Subramaniaswamy V., Sam Alaric J.	Diagnosis of Broken Bars in V/F Control Induction Motor Drive Using Wavelets and EEV Estimation for Electric Vehicle Applications	International Transactions on Electrical Energy Systems	2022				2.639	10.1155/2022/9474640
1738	Aljafari B., Ashok Kumar L., Indragandhi V., Subramaniaswamy V.	Analysis and Implementation of Sliding Mode Controller-Based Variable Frequency Drive Using the SCADA System	International Transactions on Electrical Energy Systems	2022				2.639	10.1155/2022/7194119
1739	Shahina K., Pradeep Kumar T.S.	Similarity-based clustering and data aggregation with independent component analysis in wireless sensor networks	Transactions on Emerging Telecommunications Technologies					2.638	10.1002/ett.4462
1740	Kumar A., Abhishek K., Nerurkar P., Ghalib M.R., Shankar A., Cheng X.	Secure smart contracts for cloud-based manufacturing using Ethereum blockchain	Transactions on Emerging Telecommunications Technologies	33	4			2.638	10.1002/ett.4129

1741	Namitha A.S.	Simultaneous minimization of side-band power and PAPR in OFDM based cognitive radio without additional bandwidth requirement for sending SI	Transactions on Emerging Telecommunications Technologies					2.638	10.1002/ett.4513
1742	Behera N., Alkassar Y., K. Agarwal V., Pandey R.K.	Fluidized dense phase pneumatic conveying: a review	Particulate Science and Technology					2.628	10.1080/02726351.2022.2080619
1743	Ramesh Kumar D.	Common solution to a pair of nonlinear Fredholm and Volterra integral equations and nonlinear fractional differential equations	Journal of Computational and Applied Mathematics	404				2.621	10.1016/j.cam.2021.113907

1744	Mohan Raja M., Vijayakumar V., Shukla A., Nisar K.S., Baskonus H.M.	On the approximate controllability results for fractional integrodifferential systems of order $1 < r < 2$ with sectorial operators	Journal of Computational and Applied Mathematics	415				2.621	10.1016/j.cam.2022.114492
1745	Krishna Kumar B., Navaneetha Krishnan R., Sankar R., Rukmani R.	Performance analysis of cognitive wireless retrial queueing networks with admission control for secondary users	Quality Technology and Quantitative Management					2.614	10.1080/16843703.2022.2136360
1746	Ibezim A., Madukaife M.S., Osigwe S.C., Engel N., Karuppasamy R., Ntie-Kang F.	Fragment-based virtual screening discovers potential new Plasmodium PI4KIII $\beta$ ligands	BMC Chemistry	16	1			2.610	10.1186/s13065-022-00812-2
1747	Raja Guru R., Vimala Devi K., Marichamy P.	Spectrum selection and decision using neural and fuzzy optimization approaches	Wireless Networks					2.602	10.1007/s11276-022-02932-y



1748	Abdullah A.S.	Assessment of the risk factors of type II diabetes using ACO with self-regulative update function and decision trees by evaluation from Fisher's Z-transformation	Medical and Biological Engineering and Computing	60	5	1391	1415	2.602	10.1007/s11517-022-02530-2
1749	Prakash A.J., Prakasam P.	An intelligent fruits classification in precision agriculture using bilinear pooling convolutional neural networks	Visual Computer					2.601	10.1007/s00371-022-02443-z
1750	Ma P., Zhang Z., Liu X., Shi X., Prashanth K., Jia Y.	Microstructure and Nanoindentation Creep Behavior of Binary Al-Cu Alloy Synthesized at High Pressure	JOM					2.597	10.1007/s11837-022-05545-0
1751	Yamuna M., Karthika K.	A Survey on Characterizing Trees Using Domination Number	Mathematics	10	13			2.592	10.3390/math10132173

1752	Kaliyaperumal P., Das A.	A Mathematical Model for Nonlinear Optimization Which Attempts Membership Functions to Address the Uncertainties	Mathematics	10	10			2.592	10.3390/math10101743
1753	Montoya O.D., Moya F.D., Rajagopalan A.	Annual Operating Costs Minimization in Electrical Distribution Networks via the Optimal Selection and Location of Fixed-Step Capacitor Banks Using a Hybrid Mathematical Formulation	Mathematics	10	9			2.592	10.3390/math10091600
1754	Matveev Y., Matveev A., Frolova O., Lyakso E., Ruban N.	Automatic Speech Emotion Recognition of Younger School Age Children	Mathematics	10	14			2.592	10.3390/math10142373

1755	Sivasankar S., Udhayakumar R.	Hilfer Fractional Neutral Stochastic Volterra Integro- Differential Inclusions via Almost Sectorial Operators	Mathematics	10	12			2.592	10.3390/math101220 74
1756	Rofin T.M., Mishra U., Wu J.-Z.	Performance of Channel Members under Emission-Sensitiv e Demand for Green Supply Chain Management: A Game Theory Approach	Mathematics	10	11			2.592	10.3390/math101118 79
1757	Alharbi A., Murugusundaramo orthy G., El-Deeb S.M.	Yamaguchi- Noshiro Type Bi- Univalent Functions Associated with Sălăgean- Erdély–Kober Operator	Mathematics	10	13			2.592	10.3390/math101322 41

1758	Pathak V.K., Mishra L.N.	Application of Fixed Point Theorem to Solvability for Non-Linear Fractional Hadamard Functional Integral Equations	Mathematics	10	14			2.592	10.3390/math10142400
1759	Murugusundaramoorthy G., Cotîrlă L.-I.	Hölder Inequalities for a Generalized Subclass of Univalent Functions Involving Borel Distributions	Mathematics	10	14			2.592	10.3390/math10142430
1760	Nagendramma V., Durgaprasad P., Sivakumar N., Rao B.M., Raju C.S.K., Shah N.A., Yook S.-J.	Dynamics of Triple Diffusive Free Convective MHD Fluid Flow: Lie Group Transformation	Mathematics	10	14			2.592	10.3390/math10142456
1761	Dhivakaran P.B., Vinodkumar A., Vijay S., Lakshmanan S., Alzabut J., El-Nabulsi R.A., Anukool W.	Bipartite Synchronization of Fractional-Order Memristor-Based Coupled Delayed Neural Networks with Pinning Control	Mathematics	10	19			2.592	10.3390/math10193699

1762	Namburu A., Surendran A., Balaji S.V., Mohan S., Iwendi C.	DocCompare: An Approach to Prevent the Problem of Character Injection in Document Similarity Algorithm	Mathematics	10	22			2.592	10.3390/math102242 56
1763	Sivasankar S., Udhayakumar R., Subramanian V., AlNemer G., Elshenhab A.M.	Existence of Hilfer Fractional Stochastic Differential Equations with Nonlocal Conditions and Delay via Almost Sectorial Operators	Mathematics	10	22			2.592	10.3390/math102243 92
1764	Dhilipkumar T., Rajesh M.	Influence of glass fibre reinforced polymer composite pin reinforcement on shear and dynamic behaviour of composite joint manufactured through co-cure technique	Journal of Composite Materials					2.591	10.1177/0021998322 1088900

1765	Paramanandham N., Koppad D., Anbalagan S.	Vision Based Crack Detection in Concrete Structures Using Cutting-Edge Deep Learning Techniques	Traitement du Signal	39	2	485	492	2.589	10.18280/ts.390210
1766	Mahalaxmi U.S.B.K., Sahay K.B., Sabitha R., Haleem S.L.A., Kaur P., Vijayakumar P.	Using electroencephalo gram classification in a convolutional neural network, infer privacy on healthcare internet of things 5.0	Expert Systems					2.587	10.1111/exsy.12942
1767	Rajiv S., Navaneethan C.	A supervised learning-based approach for focused web crawling for IoMT using global co- occurrence matrix	Expert Systems					2.587	10.1111/exsy.12993

1768	Melvin A.A.R., Kathrine G.J.W., Pasupathi S., Shanmuganathan V., Naganathan R.	An AI powered system call analysis with bag of word approaches for the detection of intrusions and malware in Australian Defence Force Academy and virtual machine monitor malware attack data set	Expert Systems					2.587	10.1111/exsy.13029
1769	Chaturvedi D., Althuwayb A.A., Kumar A.	Bandwidth enhancement of a planar SIW cavity-backed slot antenna using slot and metallic-shorting via	Applied Physics A: Materials Science and Processing	128	3			2.584	10.1007/s00339-022- 05309-2
1770	Althuwayb A.A., Chaturvedi D., Kumar A.	Substrate integrated waveguide (SIW) cavity-backed slot antenna with monopole-like radiation for vehicular communications	Applied Physics A: Materials Science and Processing	128	3			2.584	10.1007/s00339-021- 05203-3

1771	Senthilkumar N., Nandhakumar E., Priya P., Selvakumar M., Vetha Potheher I.	Green and sustainable preparation of flower-like ZnO nanostructures via soft bio- template approach for the enhancement of biomedical applications	Applied Physics A: Materials Science and Processing	128	1			2.584	10.1007/s00339-021- 05192-3
1772	Joseph Raj A.N., Junmin C., Nersisson R., Mahesh V.G.V., Zhuang Z.	Bilingual text detection from natural scene images using faster R-CNN and extended histogram of oriented gradients	Pattern Analysis and Applications					2.580	10.1007/s10044-022- 01066-3
1773	Nagar A., Kumar M.A., Vaegae N.K.	Hand hygiene monitoring and compliance system using convolution neural networks	Multimedia Tools and Applications					2.577	10.1007/s11042-022- 11926-z
1774	Stellin R., Rukmani P., Anbarasi L.J., Narayanan S.	HandGCNN model for gesture recognition based voice assistance	Multimedia Tools and Applications					2.577	10.1007/s11042-022- 13497-5



1775	Raja K., Abilash B., Anbalagan S., Dev K., Ganapathisubramanian A.	Popularity based content caching of YouTube data in cellular networks	Multimedia Tools and Applications					2.577	10.1007/s11042-022-13528-1
1776	Agilandeewari L., Meena S.D.	SWIN transformer based contrastive self-supervised learning for animal detection and classification	Multimedia Tools and Applications					2.577	10.1007/s11042-022-13629-x
1777	Gupta V., Jain N., Sachdeva J., Gupta M., Mohan S., Bajuri M.Y., Ahmadian A.	Improved COVID-19 detection with chest x-ray images using deep learning	Multimedia Tools and Applications					2.577	10.1007/s11042-022-13509-4
1778	Diwakar M., Shankar A., Chakraborty C., Singh P., Arunkumar G.	Multi-modal medical image fusion in NSST domain for internet of medical things	Multimedia Tools and Applications	81	26	37477	37497	2.577	10.1007/s11042-022-13507-6
1779	Jaisakthi S.M., Mirunalini P., Aravindan C., Appavu R.	Classification of skin cancer from dermoscopic images using deep neural network architectures	Multimedia Tools and Applications					2.577	10.1007/s11042-022-13847-3

1780	Kumari N., Acharjya D.P.	Data classification using rough set and bioinspired computing in healthcare applications - an extensive review	Multimedia Tools and Applications					2.577	10.1007/s11042-022-13776-1
1781	Maurya P.K., Bagchi S.	Quadratic residue-based unilateral authentication protocol for RFID system	Multimedia Tools and Applications					2.577	10.1007/s11042-022-14170-7
1782	Muthamilselvan T., Brindha K., Senthilkumar S., Saransh, Chatterjee J.M., Hu Y.-C.	Optimized face-emotion learning using convolutional neural network and binary whale optimization	Multimedia Tools and Applications					2.577	10.1007/s11042-022-14124-z
1783	Jha A., Patil H.Y.	A review of machine transliteration, translation, evaluation metrics and datasets in Indian Languages	Multimedia Tools and Applications					2.577	10.1007/s11042-022-14273-1

1784	Rajasoundaran S., Santhosh Kumar S.V.N., Selvi M., Ganapathy S., Kannan A.	Multi-tier block truncation coding model using genetic auto encoders for gray scale images	Multimedia Tools and Applications	81	29	42621	42647	2.577	10.1007/s11042-022- 13475-x
1785	Shaik A., Masilamani V.	A robust multiplicative watermarking technique for digital images in curvelet domain using normal inverse Gaussian distribution	Multimedia Tools and Applications					2.577	10.1007/s11042-022- 14137-8
1786	Vivekananda G.N., Jarwar M.A., Jaber M.M., Prakash C., Buddhi D., Gnanasigamani L.J., Sanz-Prieto I.	Effective two-tier tokenization for intelligent transportation supply chain systems using hybrid optimized query expansion	Multimedia Tools and Applications					2.577	10.1007/s11042-022- 14317-6
1787	Seshadri A., Lenin N.C., Padmanaban S., Khan B.	Impact of stator slot geometry on the windage loss in a high-speed linear switched reluctance motor	IET Electric Power Applications	16	4	447	462	2.568	10.1049/elp2.12166

1788	Ashwath P., Xavior M.A., Rajendran R., Batako A.D.L., Jeyapandiarajan P., Joel J.	Microwave-assisted T6 heat treating of aluminium alloy-Al <sub>2</sub> O <sub>3</sub> nanocomposites	MRS Communications					2.566	10.1557/s43579-022-00169-6
1789	Gunasekaran V., Gulhane S., Gupta S., Pitchaimani J., Rajamohan V., Manickam G.	Structural-Acoustic Response Analysis of Variable Stiffness Laminates with Inherent Material Damping	International Journal of Structural Stability and Dynamics					2.558	10.1142/S0219455422501279
1790	Awdhesh Kumar Mishra R., Kodiveri Muthukaliannan G.	Role of microalgal metabolites in controlling quorum-sensing-regulated biofilm	Archives of Microbiology	204	3			2.552	10.1007/s00203-022-02776-2
1791	Shivani T.M., Sathiavelu M.	A comprehensive review on functionality of probiotics in edible packaging	Packaging Technology and Science					2.545	10.1002/pts.2690

1792	Tiwari R., Abouelregal A.E., Shivay O.N., Megahid S.F.	Thermoelastic vibrations in electro-mechanical resonators based on rotating microbeams exposed to laser heat under generalized thermoelasticity with three relaxation times	Mechanics of Time-Dependent Materials					2.538	10.1007/s11043-022-09578-5
1793	Saha B.C., Dhanraj J.A., Sujatha M., Vallikannu R., Alanazi M., Almadhor A., Sathyamurthy R., Erko K.G., Sugumaran V.	Investigating Rotor Conditions on Wind Turbines Using Integrating Tree Classifiers	International Journal of Photoenergy	2022				2.535	10.1155/2022/5389574

1794	Huddar V.B., Razak A., Cuce E., Gadwal S., Alwetaishi M., Afzal A., Saleel C.A., Shaik S.	Thermal Performance Study of Solar Air Dryers for Cashew Kernel: A Comparative Analysis and Modelling Using Response Surface Methodology (RSM) and Artificial Neural Network (ANN)	International Journal of Photoenergy	2022				2.535	10.1155/2022/4598921
1795	Srimathi R., Meenakshi J., Vijayabhasker R., Belay S.S.	Performance Evaluation and Estimation of Energy Measures of Grid-Connected PV Module	International Journal of Photoenergy	2022				2.535	10.1155/2022/7228470
1796	Meena R.S., Singh A., Urhekar S., Rohitbhakar, Garg N.K., Israr M., Kothari D.P., Chiranjeevi C., Srinivasan P.	Artificial Intelligence-Based Deep Learning Model for the Performance Enhancement of Photovoltaic Panels in Solar Energy Systems	International Journal of Photoenergy	2022				2.535	10.1155/2022/3437364

1797	Anantha Krishnan V., Jeba Sheela A., Muthuraj B., Senthil Kumaran U., Muni T.V., Rani T.S., Sripada R.N.S.V.S.C., Siddique M.H., Raju R.	An IOT Innovation of Smart Solar Energy Consumption Analysis and Control in Micro Grid	International Journal of Photoenergy	2022				2.535	10.1155/2022/7506237
1798	Mohan Raja M., Vijayakumar V., Shukla A., Sooppy Nisar K., Sakthivel N., Kaliraj K.	Optimal control and approximate controllability for fractional integrodifferential evolution equations with infinite delay of order $r \in (1,2)$	Optimal Control Applications and Methods					2.530	10.1002/oca.2867
1799	Mohan Raja M., Vijayakumar V.	Optimal control results for Sobolev-type fractional mixed Volterra–Fredholm type integrodifferential equations of order $1 < r < 2$ with sectorial operators	Optimal Control Applications and Methods					2.530	10.1002/oca.2892

1800	Umare M., Patel D.A., Bhardwaj V., Sk A.K., Sahoo S.K.	Pyridoxal Derived AIEgen for Fluorescence Turn-off Sensing of Cu <sup>2+</sup> and Fe <sup>2+</sup> Ions and Fluorescence Imaging of Latent Fingerprints	Journal of Fluorescence					2.525	10.1007/s10895-022-03109-8
1801	Raveendran S., Chandrasekhar A.	Inspecting and classifying physical failures in MEMS substrates during fabrication using computer vision	Microelectronic Engineering	254				2.523	10.1016/j.mee.2021.111696
1802	Sangeetha K.K., Akhila Maheswari M.	A facile on-site colorimetric solid-state sensing of Cu <sup>2+</sup> using chelating receptor immobilized porous polymer monolith material	Journal of Porous Materials					2.523	10.1007/s10934-022-01332-z



1803	Selvaraj V.K., Subramanian J.	A comparative study of smart polyurethane foam using RSM and COMSOL multiphysics for acoustical applications: from materials to component	Journal of Porous Materials					2.523	10.1007/s10934-022-01362-7
1804	Thulasikanth V., Padmanabhan R.	Processing of aluminium/fly ash composite foams for sustainable green products	Journal of Porous Materials					2.523	10.1007/s10934-022-01360-9
1805	Chandrasekhar G., Srinivasan E., Sekar P.C., Venkataramanan S., Rajasekaran R.	Molecular simulation probes the potency of resveratrol in regulating the toxic aggregation of mutant V30M TTR fibrils in Transthyretin mediated amyloidosis	Journal of Molecular Graphics and Modelling	110				2.518	10.1016/j.jmglm.2021.108055

1806	Jayasingh S., Selvaraj T.	Influence of organic additive on carbonation of air lime mortar—changes in mechanical and mineralogical characteristics	European Journal of Environmental and Civil Engineering	26	5	1776	1791	2.516	10.1080/19648189.2020.1731716
1807	Jayakumar T., Annamalai K.	Hot tensile behavior of SiC-, NbC-, and MgO-reinforced LM25 metal matrix composites for high-temperature applications	Journal of the Korean Ceramic Society					2.506	10.1007/s43207-022-00271-4
1808	Prabhu S.V., Wilson V.H., Anand K.T., Jose S., Sivamani S., Gomadurai C., Kifetew M.	Water Absorption Behavior of Teff (Eragrostis tef) Straw Fiber-Reinforced Epoxy Composite: RSM-Based Statistical Modeling and Kinetic Analysis	Advances in Polymer Technology	2022				2.502	10.1155/2022/8188894

1809	Manimekalai K., Padmamalini N., Vinitha G., Jayaprakash P.	Crystal growth and physico-chemical characterization of methyl ammonium chloride doping on the characteristics of potassium dihydrogen phosphate crystal for nonlinear optical applications	Inorganic Chemistry Communications	137					2.495	10.1016/j.inoche.2021.109207
1810	Kavitha K., Sivakumar A.	Synthesis and characterisation of cerium doped bismuth titanate proficient UV shielding and NIR reflective reddish brown pigment by citrate autocombustion synthesis	Inorganic Chemistry Communications	136					2.495	10.1016/j.inoche.2021.109162

1811	Tamizhselvi R., Arumugam Napoleon A.	A simple sulfonohydrazide Schiff base molecular probe for colorimetrically selective recognition of Cu <sup>2+</sup> ion in Semi- Aqueous medium	Inorganic Chemistry Communicatio ns	139				2.495	10.1016/j.inoche.202 2.109330
1812	John R.A.B., Ruban Kumar A., Shruthi J., Ramana Reddy M.V.	FexZn1-xOy as room temperature dual sensor for formaldehyde and ammonia gas detection	Inorganic Chemistry Communicatio ns	141				2.495	10.1016/j.inoche.202 2.109506
1813	Venkatraman S.K., Vijayakumar N., Bal D.K., Mishra A., Gupta B., Mishra V., Wysokowski M., Koppala S., Swamiappan S.	Degradation of environmentally harmful textile dye rhodamine B using silicate ceramic photocatalysts	Inorganic Chemistry Communicatio ns	142				2.495	10.1016/j.inoche.202 2.109674

1814	Nisar K.S., Vijayakumar V.	An analysis concerning approximate controllability results for second-order Sobolev-type delay differential systems with impulses	Journal of Inequalities and Applications	2022	1			2.491	10.1186/s13660-022-02791-3
1815	Antony A., Karuppasamy R.	Bioherbicides for sustainable barnyard grass management in paddy field: an in-silico perspective	Natural Product Research					2.488	10.1080/14786419.2022.2152449
1816	Balamurugan N.M., Mohan S., Adimoolam M., John A., reddy G T., Wang W.	DOA tracking for seamless connectivity in beamformed IoT-based drones	Computer Standards and Interfaces	79				2.487	10.1016/j.csi.2021.103564

1817	Prathebha K., Raju K., Hegde T.A., Vinitha G.	Computation and experimental results on spectroscopic and physicochemical properties of efficient piperidine driven passive optical limiting material	Physica Scripta	97	3			2.487	10.1088/1402-4896/ac4d00
1818	Singh S., Sakkaravarthi K., Tamizhmani T., Murugesan K.	Painlevé analysis and higher-order rogue waves of a generalized (3+1)-dimensional shallow water wave equation	Physica Scripta	97	5			2.487	10.1088/1402-4896/ac5f90
1819	Shefali M., Fatima K., Uma Sathyakam P.	Performance Analysis of CNT Bundle Interconnects in Various Low-k Dielectric Media	ECS Journal of Solid State Science and Technology	11	6			2.483	10.1149/2162-8777/ac741b
1820	Venkatesh C.N., Mishra G.P., Jena B.	Design of Core Gate Silicon Nanotube RADFET with Improved Sensitivity	ECS Journal of Solid State Science and Technology	11	8			2.483	10.1149/2162-8777/ac8313

1821	Sathish S., Navamathavan R.	Electrochemical Investigation of Ni-Co-Zn-S/AC Nano Composite for High-Performance Energy Storage Applications	ECS Journal of Solid State Science and Technology	11	10			2.483	10.1149/2162-8777/ac9a73
1822	Basu S., Debroy R., Kumar H., Singh H., Ramaiah S., Anbarasu A.	Bioactive phytocompounds against specific target proteins of Borrelia recurrentis responsible for louse-borne relapsing fever: Genomics and structural bioinformatics evidence	Medical and Veterinary Entomology					2.479	10.1111/mve.12623
1823	Evangelina T.G., Annamalai A.R.	Influence of heating modes on the microstructural and dielectric properties of calcium copper titanium oxide (CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /CCTO) using conventional and microwave sintering	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022-07764-2

1824	Parvathy G., Kaliammal R., Velsankar K., Vinitha G., Satheesh D., Ravi G., Sudhahar S.	Experimental and theoretical approach of novel third-order nonlinear optical single crystal: benzamide 5- chloro-2- hydroxybenzoic acid	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021- 07649-w
1825	Kamatchi K., Sriram S., Vinitha G.	Exploring an efficient nonlinear optical single-crystal L- Proline potassium pentaborate octahydrate (LPPPB) for optical limiting applications	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021- 07657-w
1826	Prince S., Suthan T., Gnanasambandam C., Rajesh N.P., Vinitha G.	Growth and characterization of organic 4- methyl-2- nitroaniline single crystals for nonlinear optical applications	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022- 07772-2



1827	Saraswathi V., Agilan S., Muthukumarasamy N., Uthayakumar M., Velauthapillai D., Vinitha G.	Synthesis, spectral characterisation, third-order nonlinear optical properties and quantum chemical studies on (E)-4-bromo- N'-(2,4- dimethoxybenzyl idene)benzohydr azide crystal for optoelectronics applications	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022- 07938-y
1828	Bhuse D.V., Bhuse V.M., Bhagat P.R.	Ant-like small molecule metal- free dimeric porphyrin sensitizer for true energy- generating DSSC with 9.3% efficiency	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022- 08357-9

1829	Arun Kumar S., Rudra S., Thamizharasan G., Pradhan M., Rani B., Sahu N.K., Nayak A.K.	Crystal structure controlled synthesis of tin oxide nanoparticles for enhanced energy storage activity under neutral electrolyte	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022- 08302-w
1830	Bharath S.R., Maiyalagan T., Arockiasamy S.	Deposition of SrCO <sub>3</sub> thin film consisting of self- assembled bundles of nanostructures by a plasma- enhanced liquid injection chemical vapour deposition technique	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022- 08280-z
1831	Venkatesan A., Krishna Chandar N.R., Jagadesan A., Pradeeswari K., Pandi P., Manmohan R., Kandasamy A., Mohan Kumar R., Jayavel R.	Self-assembled hierarchical microporous ZrO <sub>2</sub> nanoparticles and Mg-doped ZrO <sub>2</sub> nanodiscs synthesized by non-aqueous sol-gel route	Journal of Materials Science: Materials in Electronics	33	17	14295	14304	2.478	10.1007/s10854-022- 08356-w

1832	Revathi B., Chandar N.K.	Clad-modified fiber-optic magnetic field sensing characteristics of anion-doped bismuth manganite nanopowders	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022-08476-3
1833	Tilak S., Vinitha G., Kumar H.M.S.	Growth and characterization of pure and metal ions-doped I-Taurine: a third-order nonlinear optical crystal for photonic applications	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022-08474-5
1834	Infantiya S.G., Aslinjensipriya A., Reena R.S., Deepapriya S., Rodney J.D., Das S.J., Raj C.J.	Calcium copper titanate a perovskite oxide structure: effect of fabrication techniques and doping on electrical properties—a review	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-022-08511-3

1835	Ganesa Pillai M., Goyal S., Zavar A., Kumar M.S.A., Bakshi H.S., Vijayalakshmi C., Nakamura K.	An experimental study probing moisture kinetics and indices of microwave dried fecal sludge with an insight on real world applications	Separation Science and Technology (Philadelphia)					2.475	10.1080/01496395.2022.2041034
1836	Shariq M., Singh K., Maurya P.K., Ahmadian A., Taniar D.	AnonSURP: an anonymous and secure ultralightweight RFID protocol for deployment in internet of vehicles systems	Journal of Supercomputing					2.474	10.1007/s11227-021-04232-2
1837	Rajendran D., Prasanna S.	Stealth assessment strategy in distributed systems using optimal deep learning with game based learning	Journal of Supercomputing					2.474	10.1007/s11227-021-04236-y

1838	Vinoth D., Prabhavathy P.	An intelligent machine learning-based sarcasm detection and classification model on social networks	Journal of Supercomputing					2.474	10.1007/s11227-022-04312-x
1839	Ikram S.T., Priya V., Anbarasu B., Cheng X., Ghalib M.R., Shankar A.	Prediction of IIoT traffic using a modified whale optimization approach integrated with random forest classifier	Journal of Supercomputing					2.474	10.1007/s11227-021-04284-4
1840	Mounica B., Lavanya K.	Feature selection with a deep learning based high-performance computing model for traffic flow analysis of Twitter data	Journal of Supercomputing					2.474	10.1007/s11227-022-04468-6
1841	Mittal P., Sharma A., Singh R., Sangaiah A.K.	On the performance evaluation of object classification models in low altitude aerial data	Journal of Supercomputing					2.474	10.1007/s11227-022-04469-5

1842	Ma X., Nashine H.K., Shil S., Soleymani F.	Exploiting higher computational efficiency index for computing outer generalized inverses	Applied Numerical Mathematics	175		18	28	2.468	10.1016/j.apnum.2022.01.017
1843	Deepa S., Ramu A., Rajendrakumar K.	Natural catalyst for luminol chemiluminescence: application to validate peroxide levels in commercial hair dyes	Luminescence	37	4	558	568	2.464	10.1002/bio.4182
1844	Pradeep R., Venugopal T., Sivakumar R.	Computational investigations of battery thermal management system with environmental effects employing a combination of phase change materials and forced air cooling	International Journal of Green Energy	19	5	509	520	2.459	10.1080/15435075.2021.1947824

1845	Shekhar S.K., Jose T.P.	Prevalence of Thanatophobia and Necrophobia in India during the COVID-19 Pandemic Due to Black Fungus Infections	Psychiatry (New York)	85	1	102	103	2.458	10.1080/00332747.2021.1989856
1846	Hemamalini V., Rajarajeswari S., Nachiyappan S., Sambath M., Devi T., Singh B.K., Raghuvanshi A.	Food Quality Inspection and Grading Using Efficient Image Segmentation and Machine Learning-Based System	Journal of Food Quality	2022				2.450	10.1155/2022/5262294
1847	Wang C., An Z., Jaiueng S., Ruekkasaem L., Jayasudha M., Singh B.K.	Model Optimization of Agricultural Machinery Information Control System Based on Artificial Intelligence	Journal of Food Quality	2022				2.450	10.1155/2022/7456650

1848	Maddala V.K.S., Jayarajan K., Braveen M., Walia R., Krishna P., Ponnusamy S., Kaliyaperumal K.	Multisensor Data and Cross-Validation Technique for Merging Temporal Images for the Agricultural Performance Monitoring System	Journal of Food Quality	2022					2.450	10.1155/2022/9575423
1849	Goyal J.K., Aggarwal S., Sachan A., Sahoo P.R., Ghosh S., Kamal S.	An improved output feedback controller design for linear discrete-time systems using a matrix decomposition method	Asian Journal of Control						2.444	10.1002/asjc.2913
1850	Mary Judith A., Baghavathi Priya S., Mahendran R.K., Gadekallu T.R., Ambati L.S.	Two-phase classification: ANN and A-SVM classifiers on motor imagery BCI	Asian Journal of Control						2.444	10.1002/asjc.2983



1851	Kumar L.J.S., Krishnan P., Shreya B., M.S. S.	Performance enhancement of FSO communication system using machine learning for 5G/6G and IoT applications	Optik	252				2.443	10.1016/j.ijleo.2021.1 68430
1852	Roy S., Ummal Momeen M.	Low loss optical structure for directional and efficient photon emission using nitrogen-vacancy center in diamond	Optik	255				2.443	10.1016/j.ijleo.2022.1 68695
1853	Sangeetha R.G., Hemanth C., Jaiswal I.	Performance of different modulation scheme in free space optical transmission – A review	Optik	254				2.443	10.1016/j.ijleo.2022.1 68675
1854	D. A.K., Babu R.S.	Bulk growth, structural, optical and mechanical properties of N- phenylanthralinic acid organic scintillation single crystal	Optik	250				2.443	10.1016/j.ijleo.2021.1 68299

1855	Theresal T., Therese A.B.	Gated recurrent unit based prediction model for front haul with XG-PON in CRAN architecture	Optik	261				2.443	10.1016/j.ijleo.2022.169143
1856	Shindalkar S.S., Humbe S.S., Joshi G.M., Kumar C.R.	Engineering properties of Teflon derived blends and composites: a review	Polymer-Plastics Technology and Materials					2.439	10.1080/25740881.2022.2086815
1857	Tamilarasi W., Balamurugan B.J.	ADMET and quantitative structure property relationship analysis of anti-Covid drugs against omicron variant with some degree-based topological indices	International Journal of Quantum Chemistry					2.437	10.1002/qua.26967

1858	Noah Antony Daniel Renai P., Roy S.	On degree based topological indices of self-assembled tetraphenylethylene and terpyridine rosettes	International Journal of Quantum Chemistry					2.437	10.1002/qua.26973
1859	Raj S.S., Ghosh N., Navamathavan R.	Evidence of strong correlation and magnetotransport scaling in YbFe <sub>2</sub> As <sub>2</sub>	Physica B: Condensed Matter	630				2.436	10.1016/j.physb.2022.413696
1860	Senapati T., Chanda A., Kočević V.	GENERALIZED QUASI-CONTRACTIONS ON WEAK ORTHOGONAL METRIC SPACES	Fixed Point Theory	23	1	371	384	2.435	10.24193/fpt-ro.2022.1.23
1861	Edwin M., Nair M.S., Sekhar S.J.	A comprehensive review on impacts of COVID-19 in food preservation and cold chain: An approach towards implementing green energy technologies	Environmental Progress and Sustainable Energy					2.431	10.1002/ep.13820

1862	Mukkamala Y., Dirker J.	Heat Transfer in Multiport Minichannel Condensers and Evaporators: Correlation Development and Meta- Analysis	Heat Transfer Engineering					2.431	10.1080/01457632.20 22.2102963
1863	Mukkamala Y., Dirker J.	A New Two- Phase Multiplier for Flow Pressure Drop in Multiport Minichannel Condensers and Evaporators	Heat Transfer Engineering					2.431	10.1080/01457632.20 22.2134076
1864	Gumber S., Ghosh S.	An experimental and modelling analysis of cloud droplet growth from vehicular emissions with non-ideal microphysics over an Asian mega-city	Atmospheric Science Letters					2.415	10.1002/asl.1081
1865	Balasubramanian S.B., Kannan R.J., Prabu P., Venkatachalam K., Trojovský P.	Deep fake detection using cascaded deep sparse auto- encoder for effective feature selection	PeerJ Computer Science	8				2.411	10.7717/peerj- cs.1040

1866	Santosh Kumar Reddy P.L., Obulesu Y.P., Singirikonda S., Al Harthi M., Alzaidi M.S., Ghoneim S.S.M.	A Non-Isolated Hybrid Zeta Converter with a High Voltage Gain and Reduced Size of Components	Electronics (Switzerland)	11	3			2.397	10.3390/electronics11030483
1867	Narayanasamy S.K., Srinivasan K., Hu Y.-C., Masilamani S.K., Huang K.-Y.	A Contemporary Review on Utilizing Semantic Web Technologies in Healthcare, Virtual Communities, and Ontology-Based Information Processing Systems	Electronics (Switzerland)	11	3			2.397	10.3390/electronics11030453
1868	Raman V.V., Kumar P.S., Sunagar P., Bommanna K., Vezhavendhan R., Bhattacharya S., Prabhu S.V., Sasikumar B.	Investigation on Mechanical Properties of Bamboo and Coconut Fiber with Epoxy Hybrid Polymer Composite	Advances in Polymer Technology	2022				2.389	10.1155/2022/9133411

1869	Sureshbabu, Padmanabhan S., Subramanian G., Stonier A.A., Peter G., Ganji V.	Design and analysis of a photovoltaic- powered charging station for plug-in hybrid electric vehicles in college campus	IET Electrical Systems in Transportation	12	4	358	368	2.387	10.1049/els2.12060
1870	Gatti R., Arjun Kumar G.B., Sunil Kumar K.N., Palle S., Gadekallu T.R.	Optimal resource scheduling algorithm for cell boundaries users in heterogenous 5G networks	Physical Communicatio n	55				2.379	10.1016/j.phycom.20 22.101915
1871	Jadhav H.K., Kumaravelu V.B.	Transmit antenna selection for spatial modulation based on machine learning	Physical Communicatio n	55				2.379	10.1016/j.phycom.20 22.101904
1872	Bharathidasan M., Indragandhi V.	Design and implementations of high step-up non-isolated DC- DC converters for electric vehicles application	International Journal of Circuit Theory and Applications					2.378	10.1002/cta.3365

1873	Vasantharaj S., Indragandhi V.	Implementation of hardware-in-loop for DC-link voltage balancing in hybrid ac/dc microgrid using interlinking converter	International Journal of Circuit Theory and Applications					2.378	10.1002/cta.3422
1874	Saxena N., Saxena G., Khare N., Rahman M.H.	Pansharpening scheme using spatial detail injection-based convolutional neural networks	IET Image Processing					2.373	10.1049/ipr2.12384
1875	Ramakrishna B., Divya D., Kumar U., Mobin S.M., Manimaran B.	Self-assembly of Mn(II)-based oxamidato-bridged dinuclear molecular tweezers and tetranuclear molecular rectangles	Journal of Organometallic Chemistry	972				2.369	10.1016/j.jorganchem.2022.122371
1876	Paul S., D U., Naidu Y., Reddy Y.	An efficient SIFT-based matching algorithm for optical remote sensing images	Remote Sensing Letters	13	11	1069	1079	2.369	10.1080/2150704X.2022.2121186

1877	Chandra S., Amulani A., Thomas S.B., Soni S.K., Thomas B.	Influence of CNT volume fractions on static and dynamic behavior of aluminum honeycomb-cored carbon-fiber-reinforced honeycomb sandwich structure	Journal of the Brazilian Society of Mechanical Sciences and Engineering	44	11			2.361	10.1007/s40430-022-03825-z
1878	Durga N., Muthukumar P., Malik M.	Trajectory controllability of Hilfer fractional neutral stochastic differential equation with deviated argument and mixed fractional Brownian motion	Optimization					2.360	10.1080/02331934.2022.2080551
1879	Singh C Q.J., Rajamurugan G.	Importance of WCFC particle on the mechanical and tribological performance of flax/hemp epoxy composite	Particulate Science and Technology					2.356	10.1080/02726351.2022.2066586



1880	JS S., Behera N.	Prediction of flow mode transition in pneumatic conveying of fine particles using CFD	Particulate Science and Technology					2.356	10.1080/02726351.2022.2081828
1881	Jaiswal N.K., Ramakrishnan V.N.	A comparative analysis and an optimized structure of vertical GaN floating gate trench MOSFET for high-frequency FOM	Semiconductor Science and Technology	37	7			2.352	10.1088/1361-6641/ac6a02
1882	Shaikshavali D., Kannadassan D.	Design of microwave $\beta$ -(Al <sub>x</sub> Ga <sub>1-x</sub> ) <sub>2</sub> O <sub>3</sub> /Ga <sub>2</sub> O <sub>3</sub> lateral Schottky barrier diodes	Semiconductor Science and Technology	37	6			2.352	10.1088/1361-6641/ac688e

1883	Rajamanickam G., S M.	Bio-guided isolation of anti- Alzheimer's compounds from Phyllanthus niruri and role of niruriflavone in the reversal of aluminum chloride-induced neurobehavioral and biochemical changes in an animal model	Medicinal Chemistry Research	31	10	1740	1753	2.351	10.1007/s00044-022- 02944-5
1884	Dhiman A., Balakrishnan S.	Noise controlling entangling operators in the quantum network implementation of cop and robber game	Quantum Information Processing	21	5			2.349	10.1007/s11128-022- 03529-2
1885	Kameshwari A.V.S., Balakrishnan S.	(In)significance of entangling operators in the noisy duopoly games	Quantum Information Processing	21	5			2.349	10.1007/s11128-022- 03509-6

1886	Ganesamoorthy R., Suresh G., Padmavathi K.R., Rajaparthiban J., Vezhavendhan R., Bharathiraja G.	Experimental Analysis and Mechanical Properties of Fly- ash Loaded E- Glass Fiber Reinforced IPN (Vinylester/polyu rethane) Composite	Fibers and Polymers					2.347	10.1007/s12221-022- 4194-0
1887	Ramgir S.S., Renu K., Vellingiri B., George A., Tirupapuliur D., Thiagarajan P., Valsala Gopalakrishnanash A.	Phytomedicinal therapeutics for male infertility: critical insights and scientific updates	Journal of Natural Medicines					2.343	10.1007/s11418-022- 01619-0
1888	Iwendi C., Huescas C.G.Y., Chakraborty C., Mohan S.	COVID-19 health analysis and prediction using machine learning algorithms for Mexico and Brazil patients	Journal of Experimental and Theoretical Artificial Intelligence					2.340	10.1080/0952813X.20 22.2058097

1889	Ayub S., Kannan R.J., Shitharth S., Alsini R., Hasanin T., Sasidhar C.	LSTM-Based RNN Framework to Remove Motion Artifacts in Dynamic Multicontrast MR Images with Registration Model	Wireless Communications and Mobile Computing	2022				2.336	10.1155/2022/5906877
1890	Hemalatha S., Kshirsagar P.R., Manoharan H., Vasantha Gowri N., Vani A., Qaiyum S., Vijayakumar P., Tirth V., Haleem S.L.A., Chakrabarti P., Teressa D.M.	Novel Link Establishment Communication Scheme against Selfish Attack Using Node Reward with Trust Level Evaluation Algorithm in MANET	Wireless Communications and Mobile Computing	2022				2.336	10.1155/2022/6776378
1891	Nirmala P., Manimegalai T., Arunkumar J.R., Vimala S., Rajkumar G.V., Raju R.	A Mechanism for Detecting the Intruder in the Network through a Stacking Dilated CNN Model	Wireless Communications and Mobile Computing	2022				2.336	10.1155/2022/1955009

1892	Narayanasamy S.K., Hu Y.-C., Qaisar S.M., Srinivasan K.	Effective Preprocessing and Normalization Techniques for COVID-19 Twitter Streams with POS Tagging via Lightweight Hidden Markov Model	Journal of Sensors	2022				2.336	10.1155/2022/122269 2
1893	Aarthy S.L., Malathi V., Hamdi M., Hilali- Jaghdam I., Abdel- Khalek S., Mansour R.F.	Recognition of Hand Gesture Using Electromyograph y Signal: Human- Robot Interaction	Journal of Sensors	2022				2.336	10.1155/2022/471868 4
1894	Vaibhav R., Amutha Prabha N., Indragandhi V., Bharathidasan M., Vasantharaj S., Alaric J.S.	Autonomous Braking System Using Linear Actuator	Journal of Sensors	2022				2.336	10.1155/2022/770760 0
1895	Rajab K., Kamalov F., Cherukuri A.K.	Forecasting COVID-19: Vector Autoregression- Based Model	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-021- 06526-2

1896	Lakshmi A., Rajasekaran M.P., Jeevitha S., Selvendran S.	An Adaptive MRI- PET Image Fusion Model Based on Deep Residual Learning and Self- Adaptive Total Variation	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-020- 05201-2
1897	Bharathiraja S., Rajesh Kanna B., Hariharan M.	A Deep Learning Framework for Image Authentication: An Automatic Source Camera Identification Deep-Net	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-022- 06743-3
1898	Chandrasekar P., Nagaraju D.	The Effects of Electroless Ni-P- Coated SiC and Al <sub>2</sub> O <sub>3</sub> on Wear Behaviour and Thermal Stability of AMMCs	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-022- 06681-0
1899	Babu T.N., Ali P.S.N., Prabha D.R., Mohammed V.N., Wahab R.S., Vijayalakshmi S.	Fault Diagnosis in Bevel Gearbox Using Coiflet Wavelet and Fault Classification Based on ANN Including DNN	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-022- 06767-9

1900	Sethupathi P., Senthilnathan N., Ravisankar B., Lenin N.C.	Voltage Harmonics Impact on Line Start Permanent Magnet Synchronous Motor: A New Computational Method	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-022- 06764-y
1901	Thiagarajan K., Thangavelusamy D.	Predictive Modeling for Detection of Source of Electromagnetic Disturbances in Inductive Wireless Charging of Electric Vehicles	IETE Journal of Research					2.333	10.1080/03772063.20 22.2027278
1902	Yuvapriya T., Laskshmi P., Elumalai V.K.	Experimental Validation of LQR Weight Optimization Using Bat Algorithm Applied to Vibration Control of Vehicle Suspension System	IETE Journal of Research					2.333	10.1080/03772063.20 22.2039079

1903	Nallagonda S., Bhowmick A., Prasad B.	On Selection of Parameters for Cooperative Spectrum Sensing Schemes over $\kappa$ - $\mu$ Fading Channels	IETE Journal of Research					2.333	10.1080/03772063.20 22.2038700
1904	Murali E., Anuncia S.M.	An Ontology- based Knowledge Mining Model for Effective Exploitation of Agro Information	IETE Journal of Research					2.333	10.1080/03772063.20 22.2058629
1905	Patange A.D., Pardeshi S.S., Jegadeeshwaran R., Zarkar A., Verma K.	Augmentation of Decision Tree Model Through Hyper- Parameters Tuning for Monitoring of Cutting Tool Faults Based on Vibration Signatures	Journal of Vibration Engineering and Technologies					2.333	10.1007/s42417-022- 00781-9



1906	Grammaticos B., Tamizhmani T., Wilcox R.	On the singularity structure of a discrete modified Korteweg-deVries equation	Journal of Physics A: Mathematical and Theoretical	55	26			2.331	10.1088/1751-8121/ac711b
1907	Karthikraja C., Senthilkumar J., Hariharan R., Usha Devi G., Suresh Y., Mohanraj V.	An empirical intrusion detection system based on XGBoost and bidirectional long short term model for 5G and other telecommunication technologies	Computational Intelligence					2.330	10.1111/coin.12497
1908	Maran M., Gangadharan S., Emerson I.A.	Molecular dynamics study of quercetin families and its derivative compounds from Carica papaya leaf as breast cancer inhibitors	Chemical Physics Letters	793				2.328	10.1016/j.cplett.2022.139470

1909	Avanish Babu T., Madhuri W.	Microwave synthesis technique for LTCC and colossal dielectric constant in PZT	Chemical Physics Letters	799					2.328	10.1016/j.cplett.2022. 139641
1910	Sivasankar S., Udhayakumar R.	A note on approximate controllability of second-order neutral stochastic delay integro- differential evolution inclusions with impulses	Mathematical Methods in the Applied Sciences						2.321	10.1002/mma.8198
1911	Dineshkumar C., Udhayakumar R.	Results on approximate controllability of fractional stochastic Sobolev-type Volterra–Fredhol m integro- differential equation of order $1 < r < 2$	Mathematical Methods in the Applied Sciences						2.321	10.1002/mma.8200

1912	Manna K., Hattaf K.	A generalized distributed delay model for hepatitis B virus infection with two modes of transmission and adaptive immunity: A mathematical study	Mathematical Methods in the Applied Sciences					2.321	10.1002/mma.8470
1913	Roy S., Ganguly N., Banerjee S.	Exploring clinical implications and role of non-coding RNAs in lung carcinogenesis	Molecular Biology Reports					2.316	10.1007/s11033-022-07159-w
1914	Paul U., Banerjee S.	The functional significance and cross-talk of non-coding RNAs in triple negative and quadruple negative breast cancer	Molecular Biology Reports					2.316	10.1007/s11033-022-07288-2
1915	Dhanyamraju P.K., Rotimi S., Bhattacharya P., Patel T.N.	Revisiting the melanomagenic pathways and current therapeutic approaches	Molecular Biology Reports					2.316	10.1007/s11033-022-07412-2

1916	Barnwal S.K., Bendale H., Banerjee S.	Non-coding RNAs associated with autophagy and their regulatory role in cancer therapeutics	Molecular Biology Reports					2.316	10.1007/s11033-022-07517-8
1917	Agarwal H., Shanmugam V.K.	Mechanism-based approach of medicinal plants mediated treatment of inflammatory disorders: A review	South African Journal of Botany	147		380	390	2.315	10.1016/j.sajb.2022.01.018
1918	Kumar D.A., Sangeetha R.G.	Performance analysis of power series based gamma–gamma fading M-ary PSK MIMO/FSO link with atmospheric turbulence and pointing errors	Telecommunication Systems					2.314	10.1007/s11235-021-00835-5
1919	Sravani M.M., Durai S.A.	On Efficiency Enhancement of SHA-3 for FPGA-Based Multimodal Biometric Authentication	IEEE Transactions on Very Large Scale Integration (VLSI) Systems					2.312	10.1109/TVLSI.2022.3148275

1920	Adarsh S.J., Natarajan A.	Review on the advancements and relevance of emerging joining techniques for aluminium to polymers/carbon fibre-reinforced polymer lightweight hybrid structures	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.311	10.1177/14644207221090331
1921	Harshavardhana N., Sundar Singh Sivam S.P., Kumar G., Saxena A.K.	A study on microstructure and recrystallization kinetics on low deformed pure ETP copper	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.311	10.1177/14644207221096543
1922	Bhuse D.V., Raut S.U., Deshmukh S.A., Balinge K.R., Barange S.H., Mataghare B.C., Muskawar P.N., Bhagat P.R.	Visible-Light Aided C–H activation: Metal/Base-Free Generation of C–C bonds using Porphyrin Photocatalyst	ChemistrySelect	7	27			2.307	10.1002/slct.202201180

1923	Garg P., Rawat R.S., Bhatt H., Kumar S., Reddy S.R.	Recent Developments in the Synthesis of N-Heterocyclic Compounds as $\alpha$ -Amylase Inhibitors via In-Vitro and In-Silico Analysis: Future Drugs for Treating Diabetes	ChemistrySelect	7	28			2.307	10.1002/slct.202201706
1924	Bhuse D.V., Bhagat P.R.	Visible Light Mediated Heck Coupling of Inactivated Aryl Fluoride/Chloride Over a Sulfonic Acid Functionalized, Melamine-based Metal-free Porphyrin Photocatalyst	ChemistrySelect	7	29			2.307	10.1002/slct.202200328

1925	Pavankumar B.B., Ranjan P., Jha P.C., Sivaramakrishna A.	New Oxoquinoline- Imidazole Based Fluorescence Signaling Switches for the Determination of Zn <sup>2+</sup> /F <sup>-</sup> (OFF- ON), and Fe <sup>3+</sup> /Picric Acid (ON-OFF): Applications in Anticancer Activity	ChemistrySelec t	7	31			2.307	10.1002/slct.2022018 75
1926	Chakraborty D., Rawat R.S., Kumar S., Chandrasekaran N., Mukherjee A.	Studying the Interaction Behavior of Protein Coronated Gold Nanorods with Polystyrene Nanoplastics	ChemistrySelec t	7	38			2.307	10.1002/slct.2022022 12
1927	Khan A., Kumar Sahu N.	Folate - Conjugated Magnetite Nanoparticles for Targeted Drug Delivery and Hyperthermia Applications	ChemistrySelec t	7	37			2.307	10.1002/slct.2022020 12

1928	Barange S.H., Bhagat P.R.	A Metal/Solvent/A dditive Free Compliant Route to Ullmann-Type C–N Coupling using Ionic Liquid Entangled Porphyrin Heterogeneous Photocatalyst	ChemistrySelec t	7	35			2.307	10.1002/slct.2022011 77
1929	Sharma P.K., Pradhan S.K., Pramanik M., Limaye M.V., Singh S.B.	MXene Based Electrospun Polymer Electrolyte fibers: Fabrication and Enhanced Ionic Conductivity	ChemistrySelec t	7	40			2.307	10.1002/slct.2022019 86
1930	Paunkumar P., Babu S.G.	Recent Advances in Graphene and Graphene-Based Heterogeneous Nanocatalysts: C–C And C–Y Coupling Reactions in Liquid Phase	ChemistrySelec t	7	41			2.307	10.1002/slct.2022022 91



1931	Chawla A.K., Jain R., Singh J., Mir K.H., Garg T., Rao A.U., Tiwari S.K., Chauhan A., Sardana N., Chawla V., Kumar S.	Sputter Deposited Mn-doped ZnO Thin Film for Resistive Memory Applications	ChemistrySelect	7	46			2.307	10.1002/slct.202203633
1932	Radhakrishnan M., Boruah S., Ramamurthy K.	EEG-Based Anomaly Detection for Autistic Kids – A Pilot Study	Traitement du Signal	39	3	1005	1012	2.299	10.18280/ts.390327
1933	Rajendran K., Radhakrishnan M., Viswanathan S.	An Ensemble Deep Learning Network in Classifying the Early CT Slices of Ischemic Stroke Patients	Traitement du Signal	39	4	1089	1098	2.299	10.18280/ts.390401
1934	Jayaraju P., Somasundaram K., Suprakash A.S., Muthusamy S.	A Deep Learning-Image Based Approach for Detecting Cracks in Buildings	Traitement du Signal	39	4	1429	1434	2.299	10.18280/ts.390437
1935	Baskar C., Govindasamy G.P., Anbalagan S., Roomi S.M.M.	Computer Graphic and Photographic Image Classification Using Transfer Learning Approach	Traitement du Signal	39	4	1267	1273	2.299	10.18280/ts.390419

1936	Jayagopal P., Muthukumaran V., Koti M.S., Kumar S.S., Rajendran S., Mathivanan S.K.	Weather-based maize yield forecast in Saudi Arabia using statistical analysis and machine learning	Acta Geophysica					2.293	10.1007/s11600-022- 00854-z
1937	Krishnan R., Thangavelu A., Panmeer P., Devulapalli S., Misra A., Putrevu D.	Iceberg detection and tracking using two-level feature extraction methodology on Antarctica Ocean	Acta Geophysica					2.293	10.1007/s11600-022- 00917-1
1938	Mathivanan S.K., Jayagopal P.	Utilizing satellite and UAV data for crop yield prediction and monitoring through deep learning	Acta Geophysica					2.293	10.1007/s11600-022- 00911-7
1939	Muthukumaran V., Natarajan R., Kaladevi A.C., Magesh G., Babu S.	Traffic flow prediction in inland waterways of Assam region using uncertain spatiotemporal correlative features	Acta Geophysica					2.293	10.1007/s11600-022- 00875-8

1940	Sathya Narayana Sharma K.	Design of Multiple Deferred State Repetitive Group Sampling Plans for Life Tests based on Generalized Gamma Distribution	Quality Engineering					2.286	10.1080/08982112.20 22.2118063
1941	Meena K.V., Mathew R., Ravi Sankar A.	A numerical modeling approach to estimate the piezoresistance of diffused resistors with experimental validation	Journal of Micromechanic s and Microengineeri ng	32	9			2.282	10.1088/1361- 6439/ac848b
1942	Venishetty S.R., Sundaram K.	Improved transconductanc e multipath recycling folded cascode amplifier	Microsystem Technologies					2.276	10.1007/s00542-022- 05289-6

1943	Jindal S.K., Patra R., Banerjee S., Paul A., Kanekal D., Kumar A.	Reliable before-fabrication forecasting of MEMS piezoresistive pressure sensor: mathematical modelling and numerical simulation	Microsystem Technologies					2.276	10.1007/s00542-022-05305-9
1944	Srivastava H.M., Murugusundaramoorthy G., Bulboacă T.	The second Hankel determinant for subclasses of Bi-univalent functions associated with a nephroid domain	Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales - Serie A: Matematicas	116	4			2.276	10.1007/s13398-022-01286-6
1945	Oluwayemi M.O., Vijaya K., Cătaș A.	Certain Properties of a Class of Functions Defined by Means of a Generalized Differential Operator	Mathematics	10	2			2.258	10.3390/math10020174

1946	Mutra R.R., Srinivas J.	An optimization-based identification study of cylindrical floating ring journal bearing system in automotive turbochargers	Meccanica	57	5	1193	1211	2.258	10.1007/s11012-022-01507-7
1947	Vignesh M., Ramanujam R., Parande G., Gupta M.	Machining of Y2O3 reinforced magnesium rare earth alloys using wire electrical discharge turning process	Machining Science and Technology	26	2	160	182	2.255	10.1080/10910344.2022.2044852
1948	Kanimozhi G., Natrayan L., Angalaeswari S., Paramasivam P.	An Effective Charger for Plug-In Hybrid Electric Vehicles (PHEV) with an Enhanced PFC Rectifier and ZVS-ZCS DC/DC High-Frequency Converter	Journal of Advanced Transportation	2022				2.249	10.1155/2022/7840102

1949	Balech R., Maalouf F., Patil S.B., Hejjaoui K., Abou Khater L., Rajendran K., Rubiales D., Kumar S.	Evaluation of performance and stability of new sources for tolerance to post-emergence herbicides in lentil ( <i>Lens culinaris</i> ssp. <i>culinaris</i> Medik.)	Crop and Pasture Science					2.249	10.1071/CP21810
1950	Kogilavani S.V., Prabhu J., Sandhiya R., Kumar M.S., Subramaniam U., Karthick A., Muhibbullah M., Imam S.B.S.	COVID-19 Detection Based on Lung Ct Scan Using Deep Learning Techniques	Computational and Mathematical Methods in Medicine	2022				2.238	10.1155/2022/7672196
1951	Karthikeyan K., Kumar A.T.M., Harshini D., Pooja G., Daniel J.A., Yasam P., Gracevictoria G., Priyanka M., Krishnaraj P., Vidya R., Devi S.A., Reddy S.R., Sudhakaran R.	Anti-viral activity of methyl 1-chloro-7-methyl-2-propyl-1h-benzo[d]imidazole-5-carboxylate against white spot syndrome virus in freshwater crab ( <i>Paratelphusa hydrodromous</i> )	Aquaculture International					2.235	10.1007/s10499-021-00714-5

1952	Mondal H., Thomas J.	A review on the recent advances and application of vaccines against fish pathogens in aquaculture	Aquaculture International						2.235	10.1007/s10499-022-00884-w
1953	Vijayan A.N., Indrakumar J., Gomathinayagam S., Gothandam K.M., Korrapati P.S.	Bi-Functional Aspects of Peptide Decorated PLGA Nanocarriers for Enhanced Translocation Across the Blood-Brain Barrier through Macropinocytosis	Macromolecular Research						2.227	10.1007/s13233-022-0061-5
1954	Verma S.K., Gupta V., Mukherjee S.S., Gangradey R., Srinivasan R., Arumugam S.K., Ravi Kumar P.S.	Numerical prediction of the operating point for the cryogenic twin-screw hydrogen extruder system	Cryogenics	121					2.226	10.1016/j.cryogenics.2021.103414
1955	Kumar K.S., Gugulothu K., Reddy S.R., Venkateswarlu K.	A Critical Review on Recent Advances in Base-Assisted Smiles Rearrangement	Current Organic Chemistry	26	13	1303	1310		2.226	10.2174/1385272826666220509143140

1956	Mohanaprasad K., Soni Ishwarya V., Ponraj A.S., Kar A.	PEVD-Based Adaptive ICA for Acoustic Echo Cancellation During Double- Talk Situation	Circuits, Systems, and Signal Processing					2.225	10.1007/s00034-022- 01956-1
1957	Sowjanya D., Sivapatham S., Kar A., Mladenovic V.	Mask Estimation Using Phase Information and Inter-channel Correlation for Speech Enhancement	Circuits, Systems, and Signal Processing					2.225	10.1007/s00034-022- 01981-0
1958	Padma T., Shantharajah S.P., Ramadoss P.	Hybrid Fuzzy AHP and Fuzzy TOPSIS Decision Model for Aquaculture Species Selection	International Journal of Information Technology and Decision Making					2.220	10.1142/S021962202 2500031
1959	Singhal M., Jain A., Thomas B., Swain A.	Investigation of graphene nanoplatelets- deposited textured metal matrix composite plates for improved mechanical properties: a numerical approach	Journal of the Brazilian Society of Mechanical Sciences and Engineering	44	5			2.220	10.1007/s40430-022- 03469-z



1960	Vaiduriyam A.R., Mailan Chinnapandi L.B.	Experimental and numerical investigation of the vibro- acoustic behavior of fiber metal laminate	Journal of the Brazilian Society of Mechanical Sciences and Engineering	44	7			2.220	10.1007/s40430-022- 03559-y
1961	Karthigeyan K.A., Radha S., Manikandan E.	Polarisation- insensitive and broadband band- stop metamaterial filter for THz waves	Pramana - Journal of Physics	96	2			2.219	10.1007/s12043-022- 02314-1
1962	Srinivas S., Kumar C.K., Reddy A.S.	Dufour and Soret effects on pulsatile hydromagnetic flow of Casson fluid in a vertical non-Darcian porous space	Nonlinear Analysis: Modelling and Control	27	4	669	683	2.217	10.15388/namc.2022. 27.26678
1963	Rajamani S., Reddy A.S.	Effects of Joule heating, thermal radiation on MHD pulsating flow of a couple stress hybrid nanofluid in a permeable channel	Nonlinear Analysis: Modelling and Control	27	4	684	699	2.217	10.15388/namc.2022. 27.26741

1964	Patel R., Shukla A., Nieto J.J., Vijayakumar V., Jadon S.S.	New discussion concerning to optimal control for semilinear population dynamics system in Hilbert spaces	Nonlinear Analysis: Modelling and Control	27	3	496	512	2.217	10.15388/namc.2022.27.26407
1965	Saha S., Mohanty S.K., Bora S.N.	Flexural Gravity Wave Resonance in the Presence of Current	Journal of Waterway, Port, Coastal and Ocean Engineering	148	3			2.208	10.1061/(ASCE)WW.1943-5460.0000703
1966	Prathap T., Rao R.N.	Uniformly convergent finite difference methods for singularly perturbed parabolic partial differential equations with mixed shifts	Journal of Applied Mathematics and Computing					2.196	10.1007/s12190-022-01802-2
1967	Agilan K., Parthiban V.	Initial and boundary value problem of fuzzy fractional-order nonlinear Volterra integro-differential equations	Journal of Applied Mathematics and Computing					2.196	10.1007/s12190-022-01810-2

1968	R K., G V., A K., S K.	Experimental, Molecular Docking and Molecular Dynamics Investigation on Newly Synthesized Diethyl 4-(Anthracen-9-yl)-2,6-Dimethyl-1,4-Dihydropyridine-3,5-Dicarboxylate	Polycyclic Aromatic Compounds					2.195	10.1080/10406638.20 22.2106252
1969	Govardhan S., Roy S., Prabhu S., Siddiqui M.K.	Computation of Neighborhood M-Polynomial of Three Classes of Polycyclic Aromatic Hydrocarbons	Polycyclic Aromatic Compounds					2.195	10.1080/10406638.20 22.2103576

1970	Lavanya M., Mao J., Mao J., Thirumalai D., Asharani I.V., Huang Z., Aabaka S.R.	Microwave Assisted, H3PW12O40 Mediated Green Synthesis, Crystal Structure, in- Vitro Anti- Inflammatory and Anti-Oxidant Investigation of Enaminoketones	Polycyclic Aromatic Compounds					2.195	10.1080/10406638.20 22.2118329
1971	James J.P., Devaraji V., Sasidharan P., Pavan T.S.	Pharmacophore Modeling, 3D QSAR, Molecular Dynamics Studies and Virtual Screening on Pyrazolopyrimidi nes as anti- Breast Cancer Agents	Polycyclic Aromatic Compounds					2.195	10.1080/10406638.20 22.2135545
1972	Janarthanan R., Refaee E.A., Selvakumar K., Hossain M.A., Soundrapandiyam R., Karuppiyah M.	Biomedical image retrieval using adaptive neuro-fuzzy optimized classifier system	Mathematical Biosciences and Engineering	19	8	8132	8151	2.194	10.3934/mbe.202238 0

1973	Chinnathambi R., Rihan F.A.	Analysis and control of Aedes Aegypti mosquitoes using sterile-insect techniques with Wolbachia	Mathematical Biosciences and Engineering	19	11	11154	11171	2.194	10.3934/mbe.2022520
1974	Qasem I., Hussien A.A., Janvekar A.A., Kataraki P.S., Pracki M., Abdul Mujeebu M.	Experimental study for optimizing superfinishing process parameters of high-quality alloy bearing steel	Surface Topography: Metrology and Properties	10	3			2.185	10.1088/2051-672X/ac806a
1975	Rajamurugan G., Sathyajith S., Krishnasamy P.	Effect of thermal cyclic corrosion on the microstructural degradation of platinum aluminide coatings	Surface Topography: Metrology and Properties	10	4			2.185	10.1088/2051-672X/ac98dc
1976	Azizur Rahman A., Bhattacharya A., Sarma A.	Synthesis of Cu <sub>3</sub> SbS <sub>4</sub> , Cu <sub>3</sub> SbSe <sub>4</sub> and CuSbTe <sub>2</sub> thin films via chalcogenation of sputtered Cu-Sb metal precursors	Thin Solid Films	754				2.183	10.1016/j.tsf.2022.139315

1977	Sundar S., Sumathy S.	An effective deep learning model for grading abnormalities in retinal fundus images using variational auto-encoders	International Journal of Imaging Systems and Technology					2.177	10.1002/ima.22785
1978	Biswas R.	Molecular dynamics simulations and COSMO-RS method for CO2 capture in imidazolium and pyrrolidinium-based room-temperature ionic liquids	Journal of Molecular Modeling	28	8			2.172	10.1007/s00894-022-05241-5
1979	Nwaefulu O.N., Al-Shar'i N.A., Owolabi J.O., Sagineedu S.R., Woei L.C., Wai L.K., Islam M.K., Jayanthi S., Stanslas J.	The impact of cycleanine in cancer research: a computational study	Journal of Molecular Modeling	28	11			2.172	10.1007/s00894-022-05326-1

1980	Mahesh R.N.U., Nelleri A.	Deep convolutional neural network for binary regression of three-dimensional objects using information retrieved from digital Fresnel holograms	Applied Physics B: Lasers and Optics	128	8			2.171	10.1007/s00340-022-07877-w
1981	Sathya R., Saleena B.	CNN-MAO: Convolutional Neural Network-based Modified Aquilla Optimization Algorithm for Pothole Identification from Thermal Images	Signal, Image and Video Processing					2.157	10.1007/s11760-022-02189-0
1982	Anukiruthika K., Durga N., Muthukumar P.	Optimal control of non-instantaneous impulsive second-order stochastic McKean-Vlasov evolution system with Clarke subdifferential	International Journal of Nonlinear Sciences and Numerical Simulation					2.156	10.1515/ijnsns-2021-0321

1983	Dineshkumar C., Vijayakumar V., Udhayakumar R., Shukla A., Nisar K.S.	Controllability discussion for fractional stochastic Volterra- Fredholm integro- differential systems of order $1 < r < 2$	International Journal of Nonlinear Sciences and Numerical Simulation					2.156	10.1515/ijnsns-2021- 0479
1984	Kavitha K., Vijayakumar V.	Discussion on controllability of non-densely defined Hilfer fractional neutral differential equations with finite delay	International Journal of Nonlinear Sciences and Numerical Simulation					2.156	10.1515/ijnsns-2021- 0412
1985	Williams W.K., Vijayakumar V., Shukla A., Nisar K.S.	An analysis on approximate controllability of Atangana- Baleanu fractional semilinear control systems	International Journal of Nonlinear Sciences and Numerical Simulation					2.156	10.1515/ijnsns-2021- 0371
1986	Raja M.M., Vijayakumar V., Shukla A., Nisar K.S., Rezapour S.	Investigating existence results for fractional evolution inclusions with order $r \in (1, 2)$ in Banach space	International Journal of Nonlinear Sciences and Numerical Simulation					2.156	10.1515/ijnsns-2021- 0368



1987	Moharana P., Santosh G.	Self-assembled supramolecular organogels of perylene diimide derivatives	Journal of Physical Organic Chemistry						2.155	10.1002/poc.4408
1988	Oh T.H., Shin D.S., Im Y., Seo Y., Nathanael A.J., Kim Y.J., Jeon J.H., Kim K.H., Jung J.-H., Choi I.S.	Experimental and Molecular Dynamics Studies on Tensile Properties of Nylon 6/Graphene Composite Filaments	Fibers and Polymers						2.153	10.1007/s12221-022- 4864-y
1989	Pervin S.-A., Prabu A.A., Kim K.J.	New Evaluation Methods of Average Molecular Weight and the Degree of Branching of Poly(1,4- phenylene sulfide) Samples through Their Partial Sulfonation	Fibers and Polymers	23	4	900	913		2.153	10.1007/s12221-022- 4663-5

1990	Elavarasan R., Chitra K., Adigo A.G.	Enhanced Lion Optimization with Efficient Path Routing Equalization Technique against DoS Attack in Wireless Sensor Network	Wireless Communications and Mobile Computing	2022				2.146	10.1155/2022/3321870
1991	Selvaprabhu P., Chinnadurai S., Tamilarasan I., Venkatesan R., Kumaravelu V.B.	Priority-Based Resource Allocation and Energy Harvesting for WBAN Smart Health	Wireless Communications and Mobile Computing	2022				2.146	10.1155/2022/8294149
1992	Shaik A.S., Karsh R.K., Islam M., Singh S.P.	A Secure and Robust Autoencoder-Based Perceptual Image Hashing for Image Authentication	Wireless Communications and Mobile Computing	2022				2.146	10.1155/2022/1645658

1993	Yadav J., Singh H., Pal S.K., Das S., Srivastava V.K., Jyoti A., Sharma V., Kumar S., Kaushik S.	Exploring the molecular interaction of pheniramine with Enterococcus faecalis homoserine kinase: In-silico studies	Journal of Molecular Recognition					2.137	10.1002/jmr.2979
1994	Sivakumar V., Kanagachidambares an G.R., Dhilip Kumar V., Arif M., Jackson C., Arulkumaran G.	Energy-Efficient Markov-Based Lifetime Enhancement Approach for Underwater Acoustic Sensor Network	Journal of Sensors	2022				2.137	10.1155/2022/357800 2
1995	Athira K., Shanmugapriya T.	Investigation on effect of colloidal nano-silica on the strength and durability characteristics of red mud blended Portland cement paste through tortuosity	Materiales de Construccion	72	347			2.133	10.3989/mc.2022.019 22

1996	Ravichandran M., Gupta A.K., Mohan K., Tiwari S.K., Lakshumanan C., Panigrahi M.K.	Indian monsoon variability during the past ~8.5 cal kyr as recorded in the sediments of the northeastern Arabian Sea	Quaternary International					2.130	10.1016/j.quaint.2022 .03.016
1997	Durga Prasad K., Prasad B.S.R.V.	Dynamics of additional food provided predator-prey system with habitat fragmentation	International Journal of Biomathematic s					2.129	10.1142/S179352452 2500942
1998	Raghav R.S., Thirugnanasamband am K., Varadarajan V., Vairavasundaram S., Ravi L.	Artificial Bee Colony Reinforced Extended Kalman Filter Localization Algorithm in Internet of Things with Big Data Blending Technique for Finding the Accurate Position of Reference Nodes	Big Data	10	3	186	203	2.128	10.1089/big.2020.020 3

1999	Pandiyan S., Govindjee G., Meenatchi S., Prasanna S., Gunasekaran G., Guo Y.	Evaluating the Impact of Summer Drought on Vegetation Growth Using Space-Based Solar-Induced Chlorophyll Fluorescence Across Extensive Spatial Measures	Big Data	10	3	230	245	2.128	10.1089/big.2020.035 0
2000	Fadaei Y., Rihan F.A., Rajivganthi C.	Immunokinetic Model for COVID- 19 Patients	Complexity	2022				2.121	10.1155/2022/832184 8
2001	Subramanian M., Narayanan M., Bhasker B., Gnanavel S., Habibur Rahman M., Pradeep Reddy C.H.	Hybrid Electro Search with Ant Colony Optimization Algorithm for Task Scheduling in a Sensor Cloud Environment for Agriculture Irrigation Control System	Complexity	2022				2.121	10.1155/2022/452522 0
2002	Pradeesh M., Manivannan A., Lakshmanan S., Rihan F.A., Mani P.	Dynamical Analysis of Posttreatment HIV-1 Infection Model	Complexity	2022				2.121	10.1155/2022/975262 8

2003	Chadha U., Selvaraj S.K., Lamsal A.S., Maddini Y., Ravinuthala A.K., Choudhary B., Mishra A., Padala D., Shashank M., Lahoti V., Adefris A., Dhanalakshmi S.	Directed Energy Deposition via Artificial Intelligence-Enabled Approaches	Complexity	2022				2.121	10.1155/2022/2767371
2004	Sakthivel N., Ma Y.-K., Mounika Devi M., Manopriya G., Vijayakumar V., Huh M.	Nonuniform Sampled-Data Control for Synchronization of Semi-Markovian Jump Stochastic Complex Dynamical Networks with Time-Varying Delays	Complexity	2022				2.121	10.1155/2022/2006947
2005	Sadhana S.A., Sabena S., SaiRamesh L., Kannan A.	Customer's opinion mining from online reviews using intelligent rules with machine learning techniques	Concurrent Engineering Research and Applications					2.118	10.1177/1063293X221120084

2006	Andrushia A.D., Neebha T.M., Umadevi S., Anand N., Cashell K.A.	Shrinkage Crack Detection in Expansive Soil using Deep Convolutional Neural Network and Transfer Learning	KSCE Journal of Civil Engineering	26	10	4202	4213	2.115	10.1007/s12205-022- 1354-0
2007	Patel A., Swathika O.V.G., Subramaniam U., Babu T.S., Tripathi A., Nag S., Karthick A., Muhibbullah M.	A Practical Approach for Predicting Power in a Small-Scale Off-Grid Photovoltaic System using Machine Learning Algorithms	International Journal of Photoenergy	2022				2.113	10.1155/2022/919453 7
2008	Vijayakumar A., Stonier A.A., Peter G., Loganathan A.K., Ganji V.	Power quality enhancement in asymmetrical cascaded multilevel inverter using modified carrier level shifted pulse width modulation approach	IET Power Electronics					2.112	10.1049/pel2.12429

2009	Vijayakumar N., Venkatraman S.K., Choudhary R., Indurkar A., Chatterjee A., Abraham J., Ostrovskiy S., Senatov F., Locs J., Swamiappan S.	Conversion of Biowaste into Larnite by Sol-Gel Combustion Route for Biomedical Applications	ChemistrySelec t	7	4			2.109	10.1002/slct.2021037 83
2010	Kumar S.S., Kumar S.R., Vetriarasu V., Bhaskar R., Somkuwar P., Joseph S., Mohurle S., Ashok Kumar S.K.	Smartphone- Assisted Quinoline-Based Chromogenic Probe for the Selective Detection of Hg <sup>2+</sup> in Protic Media	ChemistrySelec t	7	2			2.109	10.1002/slct.2021034 22
2011	Pasuparthi S.D., Maiti B.	Enantioselective Organocatalytic Michael Addition Reactions Catalyzed by Proline/Prolinol/ Supported Proline based Organocatalysts: An Overview	ChemistrySelec t	7	1			2.109	10.1002/slct.2021042 61



2012	Deshmukh S.A., Bhagat P.R.	Metal Free Porphyrin Photocatalyst Comprising Ionic Liquid with Electron Donor Acceptor Moiety for Visible Light Assisted Oxidative Amination	ChemistrySelec t	7	11			2.109	10.1002/slct.2022001 89
2013	Gnanasekaran R., Xu Y.	Understanding the Energetic Components Influencing the Thermodynamic Quantities of Carbonic Anhydrase Protein upon Ligand Binding	ChemistrySelec t	7	8			2.109	10.1002/slct.2022000 24
2014	Srikanth S., Kjn S.N., Rama Krishna C.B., Vasugi K., Teja C.P., Sesha Rao Y., Kumar S., Lemu D.G.	Analysis of the Thermal Effects on the Behaviour of Steel Connection Beam Section	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/316654 7

2015	Subramani R., Kaliappan S., Sekar S., Patil P.P., Usha R., Manasa N., Esakkiraj E.S.	Polymer Filament Process Parameter Optimization with Mechanical Test and Morphology Analysis	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/825980 4
2016	Vemanaboina H., Ferro P., Babu B.S., Gundabattini E., Kumar K., Berto F.	Residual Stress Distribution in Selective Laser Melting of SS316L Parts	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/568740 7
2017	Krishnaraja A.R., Kulanthaivel P., Ramshankar P., Wilson V.H., Palanisamy P., Vivek S., Sampathkumar V., Ganeshan P., Sashikkumar M.C., Raja K., Selvaraj S.K., John Rajan A., Jose S.	Performance of Polyvinyl Alcohol and Polypropylene Fibers under Simulated Cementitious Composites Pore Solution	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/966980 3
2018	Jithin S D., Selvaraj S.K., Vijay Vishaal K.E., Sundaramali G.	Comparative Analysis between 5th and 6th Generation Superalloys and Previous Generation Superalloys	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/353068 9

2019	Subramani R., Kaliappan S., Kumar P.V.A., Sekar S., Poures M.V.D., Patil P.P., Raj E.S.E.	A Recent Trend on Additive Manufacturing Sustainability with Supply Chain Management Concept, Multicriteria Decision Making Techniques	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/915183 9
2020	Kalangi C., Bolleddu V.	Influence of Carbon Nanotubes on Enhancement of Sliding Wear Resistance of Plasma-Sprayed Yttria-Stabilised Zirconia Coatings	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/162532 7
2021	Selvaraj V.K., Jeyanthi S., Thiyagarajan R., Senthil Kumar M., Yuvaraj L., Ravindran P., Niveditha D.M., Gebremichael Y.B.	Experimental Analysis and Optimization of Tribological Properties of Self- Lubricating Aluminum Hybrid Nanocomposites Using the Taguchi Approach	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/451114 0

2022	Selvaraj S.K., Kaliappan J., Muthuswamy N., Ramesh Kumar S., Cheepu M.	Prognostics, Health Assessment, and Modelling of Material Removal Rate by EDM for Al 6061 and AISI 304 via Cockroach Swarm and Fruit Fly Optimization Approaches	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/222665 3
2023	Venkatesh B., Babu J.C., Mathivanan S.K., Jayagopal P., Prasanna S., Uddin M.S.	Influences of Aqueous Nanofluid Emulsion on Diesel Engine Performance, Combustion, and Emission: IoT (Emission Monitoring System)	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/847074 3
2024	Refaai M.R.A., Meenatchi S., Ramesh B., Rashid N.I.H., Soni N.B., Ganesan M.	Tiny Spherical Robot with a Magnetic Field- Based Interference Detection and Prevention Framework	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/390897 5

2025	Vijetha T., Mallick P.S., Karthik R., Rajan K.	Effect of Scattering Angle in Electron Transport of AlGa <sub>N</sub> and InGa <sub>N</sub>	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/3017040
2026	Dewangan S., Selvaraj S.K., Karthikeyan B., Adane T.M., Chattopadhyaya S., Królczyk G., Raju R.	Metallographic Investigation on Postweld Heat-Treated 0.21%C-1020 Steel Plates Joined by SMAW Method	Advances in Materials Science and Engineering	2022				2.098	10.1155/2022/9377591
2027	Mundekkad D., Alex A.V.	Analysis of structural and biomimetic characteristics of the green-synthesized Fe <sub>3</sub> O <sub>4</sub> nanozyme from the fruit peel extract of Punica granatum	Chemical Papers					2.097	10.1007/s11696-022-02130-2
2028	Meena J., Santhakumar K.	Bioreduction of iron nitrate hexahydrate by Roselle hibiscus fruit extract: applications	Chemical Papers					2.097	10.1007/s11696-021-02032-9

2029	Chaitanya P., Goud R., Raghavan R., Ramakrishna M., Prashanth K.G., Gollapudi S.	Technical Note: Hardness, Corrosion Behavior, and Microstructural Characteristics of a Selective Laser Melted 17-4 PH Steel	Corrosion	78	6	465	472	2.094	10.5006/3962
2030	Magidi S., Jabeena A.	Analysis of hybrid FSO/RF communication system under the effects of combined atmospheric fading and pointing errors	Optical and Quantum Electronics	54	4			2.084	10.1007/s11082-022-03586-y
2031	Anbarasi K., Sangeetha R.G., Hemanth C.	Analysis of the performance of coded and uncoded mixed RF and multihop coherent OFDM-FSO systems for 5G-CRAN applications	Optical and Quantum Electronics	54	4			2.084	10.1007/s11082-022-03603-0
2032	Aravindan N., Raja A.S., Selvendran S., Balasubramonian M.	Dual Channel Indoor VLC System Using PDM Scheme: An Investigation	Optical and Quantum Electronics	54	4			2.084	10.1007/s11082-022-03634-7

2033	Sarojini R., Sivanantharaja A., Selvendran S.	All-optical wavelength conversion of 80 gbps CSRZ-DPSK data signal using cross polarization modulation in single wideband SOA with sub-mw pump power	Optical and Quantum Electronics	54	5			2.084	10.1007/s11082-022-03540-y
2034	Jothi Kumar C., Deeban Chakravarthy V., Ramana K., Maddikunta P.K.R., Xin Q., Surya Narayana G.	OTP-ER: an ordered transmission paradigm for effective routing in IoT based wireless sensor networks	Optical and Quantum Electronics	54	7			2.084	10.1007/s11082-022-03837-y
2035	Karpagarajesh G., Santhana Krishnan R., Harold Robinson Y., Vimal S., Thamizharasan S., Subbulakshmi P., Kaliappan M.	Comparative analysis of FSO, OFC and diffused channel links in photonics using artificial intelligence based S-band, C-band and L-band of the attenuation metrics	Optical and Quantum Electronics	54	7			2.084	10.1007/s11082-022-03762-0

2036	Hariom S.K., Nelson E.J.R.	Effects of short-term hypergravity on hematopoiesis and vasculogenesis in embryonic zebrafish	Life Sciences in Space Research	34		21	29	2.082	10.1016/j.lssr.2022.05.005
2037	Vasanth Kumar S., Ghansyam Singh S.	A systematic approach for effective storm water management at building level during extreme rainfall events—a case study	Urban Water Journal					2.081	10.1080/1573062X.2021.2020301
2038	Reddy S., Osborne J.	An insight on the advancements of biological technologies in the bioremediation of textile effluents	Urban Water Journal					2.081	10.1080/1573062X.2022.2030369



2039	Haldar R., Narayanan S.J.	A novel ensemble based recommendation approach using network based analysis for identification of effective drugs for Tuberculosis	Mathematical Biosciences and Engineering	19	1	873	891	2.080	10.3934/mbe.2022040
2040	Uday K.N., Rajamurugan G.	Influence of process parameters and its effects on friction stir welding of dissimilar aluminium alloy and its composites—a review	Journal of Adhesion Science and Technology					2.077	10.1080/01694243.2022.2053348
2041	Shejkar S.K., Agrawal B., Agrawal A., Gupta G., Pati P.R.	Influence of filler content and surface modification on physical and mechanical properties of epoxy/walnut shell particulate composites	Journal of Adhesion Science and Technology					2.077	10.1080/01694243.2022.2066915

2042	Kulkarni K., Chadha U., Yadav S., Tarun D.M., Thenmukilan K.G., Bhardwaj P., Singh S., Chakravorty A., Ahuja C., Latha S., Ray A.K., Badoni B., Rao N.S., Madan C., Banavoth M., Sonar P.	Review - Latest Trends and Advancement in Porous Carbon for Biowaste Organization and Utilization	ECS Journal of Solid State Science and Technology	11	1			2.070	10.1149/2162-8777/ac438a
2043	Gopalakrishnan V., Balaji D., Dangate M.S.	Review - Conjugated Polymer Photovoltaic Materials: Performance and Applications of Organic Semiconductors in Photovoltaics	ECS Journal of Solid State Science and Technology	11	3			2.070	10.1149/2162-8777/ac53f5

2044	Chadha U., Sinha S., Jonna J., Goswami M., Ghani H., Nair K., Pandey N., Kataray T., Selvaraj S.K., Bhardwaj P., Banavoth M., Sonar P.	Review - Chemical Structures and Stability of Carbon-doped Graphene Nanomaterials and the Growth Temperature of Carbon Nanomaterials Grown by Chemical Vapor Deposition for Electrochemical Catalysis Reactions	ECS Journal of Solid State Science and Technology	11	4			2.070	10.1149/2162- 8777/ac5c83
2045	Robert F., Uma Sathyakam P.	Perspective - Demystifying the Power Withstanding Capabilities of CNT Bundle Interconnects	ECS Journal of Solid State Science and Technology	11	4			2.070	10.1149/2162- 8777/ac63e3
2046	Aishwarya K., Hannah Jeniffer I., Maruthasalamoorth y S., Nirmala R., Punithavelan N., Navamathavan R.	Review - State of the Art of the Multifunctional Bismuth Ferrite: Synthesis Method and Applications	ECS Journal of Solid State Science and Technology	11	4			2.070	10.1149/2162- 8777/ac627a

2047	Kavitha K., Vijayakumar V.	A discussion concerning approximate controllability results for Hilfer fractional evolution equations with time delay	Mathematical Sciences					2.07	10.1007/s40096-022-00493-x
2048	Gumber S., Ghosh S., Bera S., Prabhakaran T.V.	On the importance of non-ideal sulphate processing of multi-component aerosol haze over urban areas	Meteorology and Atmospheric Physics	134	2			2.065	10.1007/s00703-022-00877-7
2049	Yeswanth Sai T., Jagadeesh P.	Effect of graphene oxide on the microstructure and hydration characteristics of ultrafine slag cement composites	Fullerenes Nanotubes and Carbon Nanostructures					2.06	10.1080/1536383X.2022.2068529
2050	Biradar A., Rijesh M.	Surface roughness—the key for roll bonding aluminium	Materials Science and Technology (United Kingdom)					2.060	10.1080/02670836.2022.2141874

2051	Prabhakaran S.A., Balaji G., Annamalai K., Gobinath V.M.	Robust design assessment of automotive crash box structures through model order reduction	International Journal of Crashworthine ss					2.055	10.1080/13588265.20 22.2074937
2052	Jayagopal P., Rajendran S., Mathivanan S.K., Sathish Kumar S.D., Raja K.T., Paneerselvam S.	Identifying region specific seasonal crop for leaf borne diseases by utilizing deep learning techniques	Acta Geophysica					2.054	10.1007/s11600-022- 00759-x
2053	Kumar P., Bhowmick A.	Throughput performance of a non-linear energy- harvesting cognitive radio- enabled device- to-device network	International Journal of Communicatio n Systems					2.047	10.1002/dac.5124
2054	Pratap Singh S., Singh S., Kumar A., Pandey A., Lakshmanan M., Mohammed N., V, Kumar S.	Generic MGF- based tight approximation for the error rate analysis	International Journal of Communicatio n Systems					2.047	10.1002/dac.5127

2055	Gudla V.V., Kumaravelu V.B., Asha S., Murugadass A.	Transmit antenna selection strategies for spectrally efficient spatial modulation techniques	International Journal of Communicatio n Systems					2.047	10.1002/dac.5099
2056	Vivek Menon U., Selvaprabhu P.	Blind interference alignment: A comprehensive survey	International Journal of Communicatio n Systems					2.047	10.1002/dac.5116
2057	Ghosh S., Bhowmick A., Chandra A., Roy S.D., Kundu S.	Performance of a cognitive device- to-device network in disaster situation under a collision constraint	International Journal of Communicatio n Systems					2.047	10.1002/dac.5083
2058	Govardhan P., Srinivasan P.	Multilevel controller- assisted intrinsically modified ant colony optimization heuristic-based load-balancing model for mega cloud infrastructures	International Journal of Communicatio n Systems					2.047	10.1002/dac.5091

2059	Elizebeth Zachariah U., Kuppusamy L.	A novel approach on energy-efficient clustering protocol for wireless sensor networks	International Journal of Communication Systems					2.047	10.1002/dac.5137
2060	Sai Lohitha N., Kumar P.M.	An efficient framework for processing big data in internet of things enabled cloud environments	International Journal of Communication Systems					2.047	10.1002/dac.5146
2061	Nagarajan R., Vali Mohamad N.M.	Energy optimized resource and power allocation in an uplink-based underlay device-to-device communication for 5G network	International Journal of Communication Systems					2.047	10.1002/dac.5145
2062	Kanthavel R., Indra Priyadharshini S., Sudha D., Sundara Velrani K., Dhaya R.	Multi-hoped cooperative communication-based wireless underground sensor network design	International Journal of Communication Systems					2.047	10.1002/dac.5174

2063	Manasa B.M.R., Venugopal P.	Swarm intelligence-based deep ensemble learning machine for efficient channel estimation in MIMO communication systems	International Journal of Communication Systems					2.047	10.1002/dac.5152
2064	Jyothsna V., Munivara Prasad K., GopiChand G., Durga Bhavani D.	DLMHS: Flow-based intrusion detection system using deep learning neural network and meta-heuristic scale	International Journal of Communication Systems					2.047	10.1002/dac.5159
2065	Addepalli T., Babu K.J., Beno A., Potti B.M.K., Nageswara Rao R., Sundari D.T., Devana V.N.K.R.	Characteristic mode analysis of two port semi-circular arc-shaped multiple-input-multiple-output antenna with high isolation for 5G sub-6 GHz and wireless local area network applications	International Journal of Communication Systems					2.047	10.1002/dac.5257



2066	Thiyagarajan R., Senthil Kumar M.	Enhanced Electromagnetic Interference Shielding Effectiveness of an Eco-Friendly Cenosphere- Filled Aluminum Matrix Syntactic Foam	Journal of Electronic Materials					2.047	10.1007/s11664-022- 09925-9
2067	Syed Feroze Hussain S., Thiripurasundari D.	A Review on Optically Transparent Antenna Fabricated with Conductive Nano- Material Oxides	Journal of Electronic Materials					2.047	10.1007/s11664-022- 09916-w
2068	Sonkar M., Sasmal P., Theeda P., Sastry C.S.	Sparsity-driven deterministic sampling strategy for coded aperture x- ray computed tomography	Measurement Science and Technology	33	3			2.046	10.1088/1361- 6501/ac39d2
2069	Sudhagar S., Rao L.B.	Analytical and experimental studies on wear in spur gear running in dry condition	Journal of Tribology	144	2			2.045	10.1115/1.4050903

2070	Padala L.S.K.R., Yeddula P.O.	A non-isolated switched inductor- capacitor cell based multiple high voltage gain DC-DC boost converter	International Journal of Circuit Theory and Applications					2.038	10.1002/cta.3239
2071	Senthil Kumar S., Sudhakara Pandian R., Pitchipoo P., Narayanasamy P., Senthilkumar T.S.	Surface and subsurface investigation of Al-Mg- MoS <sub>2</sub> composite on performing wire electrical discharge machining	Surface Topography: Metrology and Properties	10	1			2.038	10.1088/2051- 672X/ac5cd6

2072	Kumar M., Ramakrishnan R.	Effect of Fused Filament Fabrication Parameters and Tetrabromobisphenol-A/Microcrystalline Cellulose Additives on the Dynamic Mechanical Behavior of Polycarbonate/Acrylonitrile-Butadiene-Styrene Blends for Precision Structures	Journal of Materials Engineering and Performance					2.036	10.1007/s11665-022-07143-2
2073	Bagewadi S.S., Sugavaneswaran M., Bhagchandani R.K.	Investigation on Mechanical Properties of Additive Manufactured Hybrid Auxetic Structure	Journal of Materials Engineering and Performance					2.036	10.1007/s11665-022-07074-y

2074	Bezawada S., Gajjela R.	Microstructural and Mechanical Characterization of Welded Joints between Stainless Steel and Hastelloy Made Using Pulsed Current Gas Tungsten Arc Welding	Journal of Materials Engineering and Performance					2.036	10.1007/s11665-022-07197-2
2075	Muthu S.M., Arivarasu M.	Improvements in Hot Corrosion Behavior of CO2 Laser-Welded Fe-Based A-286 Alloy in an Aggressive Salt Environment by High-Velocity Oxy-Fuel Coating	Journal of Materials Engineering and Performance					2.036	10.1007/s11665-022-07138-z
2076	Sandeep R., Arivazhagan N.	Impact of Pin Length on Joint Strength of Friction Lap Welded Aluminum Alloy 7475 and Polyphenylene Sulfide Thermoplastic Polymer Joints	Journal of Materials Engineering and Performance					2.036	10.1007/s11665-022-07578-7

2077	Praveenkumar K., Mylavarapu P., Swaroop S.	Surface Oxidation and Subsurface Deformation in a Laser-Peened Ti-6Al-4V	Journal of Materials Engineering and Performance					2.036	10.1007/s11665-022-07639-x
2078	Song K., Wang Y., Yi R., Lakshminarayanan K., Zhang G., Yao Y.	The effects of wrist position and radioulnar wrist compression on median nerve longitudinal mobility	Clinical Biomechanics	99				2.034	10.1016/j.clinbiomech.2022.105754
2079	Chadha U., Selvaraj S.K., Raj A., Mahanth T., Praveen Vignesh S.T., Lakshmi P.J., Samhitha K., Reddy N.B., Adefris A.	AI-driven techniques for controlling the metal melting production: A review, processes, enabling technologies, solutions, and research challenges	Materials Research Express	9	7			2.025	10.1088/2053-1591/ac7b70
2080	Dash A., Kabra S., Misra S., Hrishikeshan G., Singh R.P., Patterson A.E., Chadha U., Rajan A.J., Hirpha B.B.	Comparative property analysis of fused filament fabrication PLA using fresh and recycled feedstocks	Materials Research Express	9	11			2.025	10.1088/2053-1591/ac96d4

2081	Dhanasekaran P., Marimuthu R.	Simultaneous effect of activated carbon and chlorophyll pigment from leaves of acacia nilotica on the enhancement of electron transfer in DSSC applications	Materials Research Express	9	11			2.025	10.1088/2053-1591/ac9e48
2082	Vivek S.S., Karthikeyan B., Selvaraj S.K., Pradeep Kumar M., Chadha U., Das S., Ranjani G., Rajasakthivel R., Tamilvendhan K., Adane T.M.	A comprehensive study on physico-mechanical properties of non-metallic fibre reinforced SCC blended with metakaolin and alcofine	Materials Research Express	9	12			2.025	10.1088/2053-1591/aca5ed
2083	Dewangan S., Selvaraj S.K., Karthikeyan B., Chadha U., Singhal P., Sarima P.P., Raju P.V., Kumar U., Pradeep Kumar M.	Fractography analysis into low-C steel undergone through various destructive mechanical tests	Materials Research Express	9	12			2.025	10.1088/2053-1591/aca580

2084	Nashine H.K., Jain R., Parvaneh V.	A relational-theoretic approach to get solution of nonlinear matrix equations	Journal of Inequalities and Applications	2022	1			2.021	10.1186/s13660-022-02817-w
2085	Sathya R., Saleena B.	A Framework for Designing Unsupervised Pothole Detection by Integrating Feature Extraction Using Deep Recurrent Neural Network	Wireless Personal Communications					2.017	10.1007/s11277-022-09790-z
2086	Sathishkumar N., Nandalal V., Natarajan R.	Design of Dual Mode AVA with Enhanced Radiation Characteristics	Wireless Personal Communications					2.017	10.1007/s11277-022-09708-9
2087	Thangappan T., Therese B.	Implementation of Extra Efficient Bandwidth Utilization Dynamic Bandwidth Allocation Algorithm to Support Differentiated Service Classes in XGPON	Wireless Personal Communications					2.017	10.1007/s11277-022-09754-3

2088	Narayanan K.L., Krishnan R.S., Robinson Y.H.	IoT Based Smart Assist System to Monitor Entertainment Spots Occupancy and COVID 19 Screening During the Pandemic	Wireless Personal Communications					2.017	10.1007/s11277-022-09772-1
2089	Bhuvaneshwari P., Rao A.N., Robinson Y.H.	Top-N Recommendation System Using Explicit Feedback and Outer Product Based Residual CNN	Wireless Personal Communications					2.017	10.1007/s11277-022-09984-5
2090	Rahim R., Ramachandran M., Jayachandran P., Kalyanaraman H., Bhaskar V., Kumar A.	Holistic Feistel Authenticated Learning-Based Authorization for Protecting the Internet of Things from Cyber Attacks	Wireless Personal Communications					2.017	10.1007/s11277-022-09930-5



2091	Ushashree P., Kumar K.S.	Power System Reconfiguration in Distribution System for Loss Minimization Using Optimization Techniques: A Review	Wireless Personal Communications					2.017	10.1007/s11277-022-10026-3
2092	Teja D.P.K., Nikhileswar K., Abhiram A.L.P., Nandakumar S.	Resource Allocation Strategy for D2D assisted Edge Computing System Using Optimization Algorithms	Wireless Personal Communications					2.017	10.1007/s11277-022-09968-5
2093	Elango K., Muniandi K.	A Novel Digital Logic for Bit Reversal and Address Generations in FFT Computations	Wireless Personal Communications					2.017	10.1007/s11277-022-10021-8
2094	Sathishkumar N., Nandalal V., Natarajan R.	Design of a Compact Double-Square-Ring-Shaped Dual-Band Antenna for WiMAX/WLAN Applications	Wireless Personal Communications					2.017	10.1007/s11277-022-10032-5

2095	Anirudh S., Shaan Sundar R., Ganapathy S.	A New Cryptosystem for Secured Data Communications in Plagiarism Checking Process Using Blockchain Technology	Wireless Personal Communications					2.017	10.1007/s11277-022-10035-2
2096	Raja Guru R., Vimala Devi K., Marichamy P.	Optimized Channel Decision and Secure Data Transmission for Health Monitoring Using Wireless Body Area Network through Cognitive Controller	Wireless Personal Communications					2.017	10.1007/s11277-022-10002-x

2097	Gopala Krishnan C., Gomathi S., Aravind Swaminathan G., Robinson Y.H., AnushaBamini A.M.	Trust Management Framework and High Energy Efficient Lifetime Management System for MANET using Self Configurable Cluster Mechanism	Wireless Personal Communicatio ns					2.017	10.1007/s11277-022- 10048-x
2098	Nanjappan M., Natesan G., Krishnadoss P.	HFTO: Hybrid Firebug Tunicate Optimizer for Fault Tolerance and Dynamic Task Scheduling in Cloud Computing	Wireless Personal Communicatio ns					2.017	10.1007/s11277-022- 10099-0
2099	Makesh M., Venkata Satyanarayana N., Selvamano S., Jayaprakash N.S., Bera A., Sukumaran K., Kailasam M.	Nervous necrosis virus titration and antigen quantitation by indirect sandwich enzyme linked immunosorbent assay	Journal of Virological Methods	305				2.014	10.1016/j.jviromet.20 22.114536

2100	Lakshman C., Hari Prakash S., Mohana Roopan S.	Materials based on molybdenum disulfide as a catalyst in organic transformations: An overview	Synthetic Communicatio ns					2.007	10.1080/00397911.20 22.2048859
2101	Joseph S.S., Dennisan A.	An affinity propagated clustering aided computerized Inherent Seeded Region Growing and Deep learned Marching Cubes Algorithm (ISRG- DMCA) based three dimensional image reconstruction approach	International Journal of Imaging Systems and Technology					2.000	10.1002/ima.22736

2102	Vinodkumar Reddy M., Lakshminarayana P.	Higher Order Chemical Reaction and Radiation Effects on Magnetohydrodynamic Flow of a Maxwell Nanofluid With Cattaneo–Christov Heat Flux Model Over a Stretching Sheet in a Porous Medium	Journal of Fluids Engineering, Transactions of the ASME	144	4			1.998	10.1115/1.4053250
2103	Ali J.M., Jailani H.S., Murugan M.	In-Situ Surface Roughness Evaluation of Surfaces Machined with EDM by Image Processing	Journal of Nondestructive Evaluation	41	2			1.995	10.1007/s10921-022-00864-3
2104	Murugan J.N., Chutkey K., Sri Raghuram R., Verma S.B.	Effect of Passive Flow Control Devices on Base Pressure for Mach Numbers Between 0.5 and 1.4	Journal of Fluids Engineering, Transactions of the ASME	144	2			1.995	10.1115/1.4051808

2105	Manikandan P.	Miller compensated four-stage OTA with Q-reduction for wide range of load capacitors	Microelectronics Journal	128				1.992	10.1016/j.mejo.2022.105538
2106	Manikandan P., Bindu B.	A Nested Miller Compensation with a large feed-forward transconductor for capacitor-less flipped voltage follower low dropout regulator	Microelectronics Journal	129				1.992	10.1016/j.mejo.2022.105608
2107	Rasheed G., Sridevi S.	Design and analysis of a dual gate tunnel FET with InGaAs source pockets for improved performance	Microelectronics Journal	129				1.992	10.1016/j.mejo.2022.105587
2108	Angamuthu R., ChettiaGoundar Sengodan B., Anandan M., Varghese A., Vakkalakula B.S.	LG 55 nm T-gate InGaN/GaN channel based high electron mobility transistors for stable transconductance operation	International Journal of RF and Microwave Computer-Aided Engineering					1.987	10.1002/mmce.23308

2109	Ramanujam P., Venkatesan P.G. R., Ponnusamy M., Sethuramalingam T.K.	Design of miniaturized dual- band filtering antenna with improved selectivity utilizing square complementary split ring resonator for 5G MM-wave automobile applications	International Journal of RF and Microwave Computer- Aided Engineering					1.987	10.1002/mmce.23378
2110	Jindal S.K., Patel I., Sethi K., Kaul S., Sreekanth P.K., Kumar A.	Efficient in-depth analysis and optimum design parameter estimation of MEMS capacitive pressure sensor utilizing analytical approach for square diaphragm	Journal of Computational Electronics					1.983	10.1007/s10825-022- 01896-8

2111	Aneesh Y.M., Bindu B.	A physics-based analytical model for single-event transients in an InGaAs n-channel FinFET suitable for circuit simulations	Journal of Computational Electronics					1.983	10.1007/s10825-022-01954-1
2112	G S., Shetgaonkar S.E., Singh F.V.	Recent Advances in Organoselenium Catalysis	Current organic synthesis	19	3	393	413	1.975	10.2174/1570179419666220211102602
2113	Satpute J., Rajan J.	ANALYSIS OF ENERGY, EXERGY, ENVIRONMENTAL, AND ECONOMICS (4E) ON PHOTOVOLTAIC-THERMAL COLLECTOR SYSTEM	Thermal Science	26	5	4233	4247	1.971	10.2298/TSCI210905010S
2114	Prem Kumar M., Manikandan M.	Investigation of corrosion behaviour on Ni–Cr–Co and Ni–Cr–Mo alloys exposed to molten salt for thermal energy storage applications	Corrosion Engineering Science and Technology					1.971	10.1080/1478422X.2022.2140247



2115	Patruni M.R., Saraswathi P.	Securing Internet of Things devices by enabling Ethereum blockchain using smart contracts	Building Services Engineering Research and Technology					1.966	10.1177/01436244221078933
2116	Muthuganesan R., Balakrishnan S., Chandrasekar V.K.	Characterizing nonbilocal correlation: a geometric perspective	Quantum Information Processing	21	6			1.965	10.1007/s11128-022-03561-2
2117	Vellingiri B., Aishwarya S.Y., Benita Jancy S., Sriram Abhishek G., winster Suresh babu H., Vijayakumar P., Narayanasamy A., Mariappan S., Sangeetha R., Valsala Gopalakrishnan A., Parthasarathi R., Iyer M.	An anxious relationship between Autism Spectrum Disorder and Gut Microbiota: A tangled chemistry?	Journal of Clinical Neuroscience	99		169	189	1.961	10.1016/j.jocn.2022.03.003
2118	Bhattacharyya R., Sen Gupta B.	Phase separation and aging dynamics of binary liquids in porous media	EPL	140	4			1.958	10.1209/0295-5075/aca356

2119	Kavitha K., Vijayakumar V.	Optimal control for Hilfer fractional neutral integrodifferential evolution equations with infinite delay	Optimal Control Applications and Methods					1.955	10.1002/oca.2938
2120	Gomathi R., Ganesamoorthy R., Babu D.R., Vinitha G., Madeswaran S.	Investigation on growth, structural, DFT and third-order nonlinear optical studies of cyclohexylammonium 4-nitrobenzoate for optical limiting applications	Indian Journal of Physics					1.947	10.1007/s12648-021-02254-3
2121	Prasannalakshmi P., Shanmugam N., Kumar A.S., Suthakaran S.	Zinc Sulfide Decorated Titanium Dioxide Electrodes for Supercapacitor Fabrication	Journal of Electronic Materials					1.938	10.1007/s11664-022-09489-8
2122	Vijayababu M., Chintagumpala K.	Review of MXene-based Resistance Pressure Sensors for Vital Signs Monitor	Journal of Electronic Materials					1.938	10.1007/s11664-022-09456-3

2123	Jeyanthi S., Nivedhitha D., Venkatachalam G., Singh R., Sangwan G.	An Experimental Investigation and Optimization of Electromagnetic Interference Shielding Effectiveness of Hybrid Epoxy Nanocomposites	Journal of Electronic Materials					1.938	10.1007/s11664-022- 09656-x
2124	Aravindraj K., Mohana Roopan S.	WO3-based materials as heterogeneous catalysts for diverse organic transformations: a mini-review	Synthetic Communicatio ns	52	13-14	1457	1476	1.937	10.1080/00397911.20 22.2089588
2125	Manimaran R.	Hydrodynamic investigations on the performance of an underwater remote operated vehicle under the wave using OpenFOAM	Ships and Offshore Structures	17	10	2186	2202	1.934	10.1080/17445302.20 21.1979921
2126	Shil S., Nashine H.K., Soleymani F.	On an inversion- free algorithm for the nonlinear matrix problem	International Journal of Computer Mathematics					1.931	10.1080/00207160.20 22.2074275

2127	Karthikeyan B., Selvaraj S.K., Dhinakaran G., Sundaramali G., Muthuswamy N., Paramasivam V.	A Comparative Analysis by Experimental Investigations on Normal and Ground Ultrafine Mineral Admixtures in Arresting Permeation in High-Strength Concrete	Advances in Civil Engineering	2022				1.924	10.1155/2022/383158 0
2128	Andrewwinner R., Chandrasekaran S.S.	Finite Element and Vulnerability Analyses of a Building Failure due to Landslide in Kaithakunda, Kerala, India	Advances in Civil Engineering	2022				1.924	10.1155/2022/529786 4
2129	Darshan A., Girdhar N., Bhojwani R., Rastogi K., Angalaeswari S., Natrayan L., Paramasivam P.	Energy Audit of a Residential Building to Reduce Energy Cost and Carbon Footprint for Sustainable Development with Renewable Energy Sources	Advances in Civil Engineering	2022				1.924	10.1155/2022/440087 4

2130	Raut P., Fuloria D., Baka S., Chatterjee S., Ghosh C., Venkatramani N., Samajdar I.	Electropulsing-induced plastic deformation in an interstitial free steel	Materials Science and Technology (United Kingdom)					1.92	10.1080/02670836.2022.2025533
2131	Sathish S., Nirmala R., Kim H.Y., Navamathavan R.	Deriving activated carbon using microwave combustion technique and its energy storage applications: a topical review	Carbon Letters					1.917	10.1007/s42823-022-00348-4
2132	Ravi V., Desikan K.	On computation of the reduced reverse degree and neighbourhood degree sum-based topological indices for metal-organic frameworks	Main Group Metal Chemistry	45	1	92	99	1.917	10.1515/mgmc-2022-0009

2133	Tang V.T., Li Q., Rene E.R., Behera S.K., Maleki A., Da C.T., Phong N.T.	Immobilization of microorganisms in activated zeolite beads and alkaline pretreated straws for ammonium- nitrogen removal from urban river water	Water Science and Technology	85	1	63	76	1.915	10.2166/wst.2021.49 6
2134	Lakka N.S., Kuppan C., Vadagam N., Reddamoni S.Y., Muthusamy C.	Degradation pathways and impurity profiling of the anticancer drug apalutamide by HPLC and LC-MS/MS and separation of impurities using Design of Experiments	Biomedical Chromatograp hy					1.911	10.1002/bmc.5549

2135	Venkatesan P., Sathiavelu M.	Effective kinetic modeling and phycoremediation of Cr(IV) ions from tannery effluent by using microalgae—Chlamydomonas moewusii, Auxenochlorella pyrenoidosa, Scenedesmus sp.	Bioremediation Journal					1.909	10.1080/10889868.2022.2040413
2136	Sarkar S., Padhy A., Nayak C.	Transfer matrix optimization of a one-dimensional photonic crystal cavity for enhanced absorption of monolayer graphene	Applied Optics	61	29	8613	8623	1.905	10.1364/AO.472854

2137	Myneni V.R., Kanidarapu N.R., Shaik F., Vanalapati M.	Response Surface Modeling of the Removal of Methyl Orange Dye from an Aqueous Solution Using Magnesium Oxide Nanoparticles Immobilized on Chitosan	Iranian Journal of Chemistry and Chemical Engineering	41	5	1602	1618	1.903	10.30492/IJCCE.2021. 122511.4002
2138	Singh A.K., Acharya K., Dutta R.	Cloud assisted semi-static secure accountable authority identity- based broadcast encryption featuring public traceability without random oracles	Annales des Telecommunic ations/Annals of Telecommunic ations					1.901	10.1007/s12243-022- 00925-8
2139	Samuel S.C., Arivarasu M., Prabhu T.R.	High- Temperature Solid Particle Erosion Behavior of Laser Powder Bed Fused Inconel 718	Journal of Tribology	144	9			1.891	10.1115/1.4054052



2140	Jha A.K., Dasgupta S.S.	Steady-State and Bifurcation Analysis of Nonlinear Jumps in a Non-ideal Rotor System Using Magnetorheological Fluid Dampers	Journal of Vibration Engineering and Technologies					1.889	10.1007/s42417-022-00503-1
2141	Arvind R., Santhi M.H.	A State of Art Review on Hybrid Passive Energy Dissipating Devices	Journal of Vibration Engineering and Technologies					1.889	10.1007/s42417-022-00492-1
2142	Anwarsha A., Narendiranath Babu T.	A Review on the Role of Tunable Q-Factor Wavelet Transform in Fault Diagnosis of Rolling Element Bearings	Journal of Vibration Engineering and Technologies					1.889	10.1007/s42417-022-00484-1
2143	Babu N., Santhosh Kumar S.V.N.	Comprehensive analysis on sensor node fault management schemes in wireless sensor networks	International Journal of Communication Systems					1.882	10.1002/dac.5342

2144	Zhan K., Chen N., Santhosh Kumar S.V.N., Kibalya G., Zhang P., Zhang H.	Edge computing network resource allocation based on virtual network embedding	International Journal of Communicatio n Systems					1.882	10.1002/dac.5344
2145	Mohanta A., Pradhan A., Patra K.C.	Determination of Discharge Distribution in Meandering Compound Channels Using Machine Learning Techniques	Journal of Irrigation and Drainage Engineering	148	1			1.879	10.1061/(ASCE)IR.194 3-4774.0001645
2146	Patil N.G., Hotta T.K.	A Combined Liquid Cold Plate and Heat Sink Based Hybrid Cooling Approach for the Temperature Control of Integrated Circuit Chips	Journal of Thermal Science and Engineering Applications	14	11			1.879	10.1115/1.4054849
2147	Amma N.G N., Amma N.G B.	PCLUSBA: A Novel Partition Clustering-Based Biometric Authentication Mechanism	IETE Journal of Research					1.877	10.1080/03772063.20 22.2108917

2148	Jemila J., Therese A.B., Rajeswaran R.	Myelin Quantification in the Basal Ganglia and the Cerebral Peduncles of Human Brains	IETE Journal of Research					1.877	10.1080/03772063.2022.2115409
2149	Chakraverty M., Ramakrishnan V.N.	Optimization of Power-Aware Non-Linearity in Voltage-Controlled Resistive Switching Devices for Non-Volatile Memory Applications	IETE Journal of Research					1.877	10.1080/03772063.2022.2132303
2150	Manikandan N., Gopalakrishnan N., Pradeep K.	An Efficient Task Scheduling Based on Hybrid Bird Swarm Flow Directional Model in Cloud Computing Environment	IETE Journal of Research					1.877	10.1080/03772063.2022.2108919

2151	Thirumeni M., Thangavelusamy D., Veerasingam V., Vinayagam A., Farade R.A.	Design and Analysis of Zeta Converter for Power Factor Correction Using Cascade PSO-GSA Tuned PI and Reduced-Order SMC	IETE Journal of Research					1.877	10.1080/03772063.20 22.2132304
2152	Ramprasath J., Krishnaraj N., Seethalakshmi V.	Mitigation Services on SDN for Distributed Denial of Service and Denial of Service Attacks Using Machine Learning Techniques	IETE Journal of Research					1.877	10.1080/03772063.20 22.2142163
2153	Deepak V.S., Ganapathi Sastrulu K.S., Naidu K.T., Pandu V., Ajeypasaath K.B.	IoT-Based Remote Diagnosis and Therapeutic Telemedicine Governing System	IETE Journal of Research					1.877	10.1080/03772063.20 22.2150696
2154	Maheedhar M., Deepa T.	A Behavioral Study of Different Controllers and Algorithms in Real-Time Applications	IETE Journal of Research					1.877	10.1080/03772063.20 22.2153089

2155	Karthiyaini S., Ramesh Kannan M., Shanmugasundaram M., Bhaskar A.V., Suprakash A.S., Senthamaraikannan K.	Implications of Multi-Walled Carbon Nanotubes in the Performance of Concrete Subjected to Chloride and Acid Environment	Polish Journal of Environmental Studies	31	6	5071	5081	1.871	10.15244/pjoes/1503 80
2156	Chintalapudi K., Pannem R.M.R.	Enhanced microstructural characteristics of binary and ternary blended cements reinforced with graphene oxide	Fullerenes Nanotubes and Carbon Nanostructures					1.869	10.1080/1536383X.20 22.2054992
2157	Thanigachalam S., Pathak M., Sathiyarayanan K.I.	Photodegradatio n of rhodamine-B and methyl orange employing nano- alumina developed from new aluminium(III) complex(es) associated with phenanthridine- salicylaldehyde derived ligands	Journal of Coordination Chemistry					1.869	10.1080/00958972.20 22.2120814

2158	Jose J.T., Rajkumar S., Ghalib M.R., Shankar A., Sharma P., Khosravi M.R.	Efficient Shot Boundary Detection with Multiple Visual Representations	Mobile Information Systems	2022				1.863	10.1155/2022/4195905
2159	Khan G., Kumar Agarwal A., Khapre S., Arunkumar G., Shankar A., Khosravi M.R.	An Energy-Efficient Event Reliability Protocol for Wireless Communication Networks	Mobile Information Systems	2022				1.863	10.1155/2022/7420290
2160	Vijayan P.M., Sundar S.	Hybrid MQTTNet: An Intrusion Detection System Using Heuristic-Based Optimal Feature Integration and Hybrid Fuzzy with 1DCNN	Cybernetics and Systems					1.859	10.1080/01969722.2022.2145649
2161	Roshanaei G., Kiumarsi A., Kasaeian A., Safari M., Abbasi M., Rahimi A.	Influential factors on survival in gastric cancer: A single-center study	Journal of Research in Medical Sciences	27	1	19		1.852	10.4103/jrms.JRMS_1286_20

2162	Geetha K., Hota M.K.	An improved variational mode decomposition for seismic random noise attenuation using grasshopper optimization via shape dynamic time warping	Journal of Applied Geophysics	205				1.845	10.1016/j.jappgeo.2022.104759
2163	Paliwal M., Goswami H., Ray A., Bharati A.K., Rai R., Khandelwal M.	Stability Prediction of Residual Soil and Rock Slope Using Artificial Neural Network	Advances in Civil Engineering	2022				1.843	10.1155/2022/4121193
2164	Renuka S.M., Mervin Sanjith I.P.	Strengthening of Damaged Masonry Walls Using Engineered Cementitious Composites: Experimental and Numerical Analysis	Advances in Civil Engineering	2022				1.843	10.1155/2022/6343179

2165	Vivek S.S., Karthikeyan B., Kanna G.R., Selvaraj S.K., Jose S., Palanisamy P., Adane T.M.	Study on Fresh and Mechanical Properties of Polyblend Self- Compacting Concrete with Metakaolin, Lightweight Expanded Clay Aggregate, and SAP as Alternative Resources	Advances in Civil Engineering	2022				1.843	10.1155/2022/235044 7
2166	Nagajothi S., Elavenil S., Angalaeswari S., Natrayan L., Mammo W.D.	Durability Studies on Fly Ash Based Geopolymer Concrete Incorporated with Slag and Alkali Solutions	Advances in Civil Engineering	2022				1.843	10.1155/2022/719644 6
2167	Manikandan P., Selija K., Vasugi V., Prem Kumar V., Natrayan L., Helen Santhi M., Senthil Kumaran G.	An Artificial Neural Network Based Prediction of Mechanical and Durability Characteristics of Sustainable Geopolymer Composite	Advances in Civil Engineering	2022				1.843	10.1155/2022/934333 0



2168	Adane T.M., Araya A.A., Karthikeyan B., Selvaraj S.K., Jose S., John Rajan A., Vincent Herald Wilson D.	A Novel Technique to Utilize Second Waste of Plastic Bottle as Soil Reinforcement: A Comparative Study on Mechanical Properties with Natural Black Cotton Soil	Advances in Civil Engineering	2022				1.843	10.1155/2022/7225455
2169	Gunarani G.I., Karthikeyan B., Priyadharshini A., Selvaraj S.K., Jose S., Vincent Herald Wilson D., Moges Adane T.	Sustainable Concrete Columns with GGBS and Industrial Sand: A Comparative Study on Destructive and Nondestructive Tests on Damaged Columns Strengthened with GFRP Jacketing	Advances in Civil Engineering	2022				1.843	10.1155/2022/6716511

2170	Salunke D.R., Gopalan V.	Investigation of electrical resistance and dielectric constant of Boron Nitride and Banana fiber reinforced epoxy polymer matrix composite	Polymers and Polymer Composites	30				1.841	10.1177/0967391122 1122328
2171	Shanmugapriya R., Santhosh Kumar S.V.N.	Comprehensive survey on data dissemination protocols for efficient reprogramming in Internet of Things	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7280
2172	Vadlamudi S.H., Sai Souhith Reddy Y., Ajith Sai Kumar Reddy P., Periasamy P., Vali Mohamad N.M.	Automatic liver tumor segmentation and identification using fully connected convolutional neural network from CT images	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7212

2173	Prabhakar T., Vairamuthu S., Rani B.S., Maram B.	Gray wolf- student psychology optimization- based deep long short term memory for survival prediction using cancer gene- expression data	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7206
2174	Natesan G., Ali J., Krishnadoss P., Chidambaram R., Nanjappan M.	Optimization techniques for task scheduling criteria in IaaS cloud computing atmosphere using nature inspired hybrid spotted hyena optimization algorithm	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7228
2175	Lakshmanan S., Manimozhi B., Ramachandran V.	An efficient and secure data sharing scheme for cloud data using hash based quadraplet wavelet permuted cryptography approach	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7324

2176	Manoj Stanislaus O., Harshavardhanan P., Victor A., Arumugam S.R.	A novel fuzzy based deep neural network for rain fall prediction using cloud images	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7412
2177	Sampradeepraj T., Anusuya Devi V., Raja S.P.	Secure multicasting in wireless sensor networks using identity based cryptography	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7430
2178	Sakthivel N.K., Subasree S., Alias Priya M P., Tyagi A.K.	Breast lesion identification and categorization using mammography screening based on combined convolutional recursive neural network framework with parameters optimized using multi-objective seagull optimization algorithm	Concurrency and Computation: Practice and Experience	34	28			1.831	10.1002/cpe.7348

2179	Prasad Reddy T.B., Vydeki D.	Ebola deep wavelet extreme learning machine based chronic kidney disease prediction on the internet of medical things platform	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7446
2180	Majji R., Om Prakash P.G., Vairamuthu S., Selva Rani B.	Hybrid optimization based deep neuro fuzzy network for skin cancer detection	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7521
2181	Iyer S., Velmurugan T., Prakasam P., Sumathi D., Suresh Kumar T.R.	Support Vector Machine based spectrum handoff scheme for seamless handover in Cognitive Radio Networks	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7534

2182	Syed Musthafa A., Sankar K., Benil T., Rao Y.N.	A hybrid machine learning technique for early prediction of lung nodules from medical images using a learning-based neural network classifier	Concurrency and Computation: Practice and Experience					1.831	10.1002/cpe.7488
2183	Jacqueline Rosy P., Shanmugam V., Jas J.S., Jayakodi S.	Biomimetic Copper Oxide Nanoparticles and its Validation Through In-silico Approach on Cardiac Enzymes	Current Nanoscience	18	1	86	93	1.824	10.2174/1573413716 666210101161139
2184	Alburaikan A., Murugusundaramo orthy G., El-Deeb S.M.	Certain Subclasses of Bi-Starlike Function of Complex Order Defined by Erdély–Kober-Type Integral Operator	Axioms	11	5			1.824	10.3390/axioms11050 237

2185	Melikov A., Aliyeva S., Nair S.S., Kumar B.K.	Retrial Queuing-Inventory Systems with Delayed Feedback and Instantaneous Damaging of Items	Axioms	11	5			1.824	10.3390/axioms11050241
2186	Vairavasundaram S., Varadarajan V., Srinivasan D., Balaganesh V., Damerla S.B., Swaminathan B., Ravi L.	Dynamic Physical Activity Recommendation Delivered through a Mobile Fitness App: A Deep Learning Approach	Axioms	11	7			1.824	10.3390/axioms11070346
2187	Thirugnanasambandam K., Ramalingam R., Mohan D., Rashid M., Juneja K., Alshamrani S.S.	Patron–Prophet Artificial Bee Colony Approach for Solving Numerical Continuous Optimization Problems	Axioms	11	10			1.824	10.3390/axioms11100523

2188	Singh S.K., Verma S.K., Kumar R., Sharma A., Singh R., Tiwari N.	Experimental analysis of latent heat thermal energy storage system using encapsulated multiple phase-change materials	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221110983
2189	Ramasekhar G., Reddy P.B.A.	Entropy generation on EMHD Darcy-Forchheimer flow of Carreau hybrid nanofluid over a permeable rotating disk with radiation and heat generation: Homotopy perturbation solution	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221116575



2190	Sreenivasulu V., Subramani P., Jayakumar V., Mageshkumar K., Arivazhagan N., Manikandan M., Tofil S., Sathishkumar M.	Development of protective coating for X8CrNiMoVNb16-13 alloy in high-temperature molten salt environment through high-velocity oxy-fuel sprayed NiCrMoNb and Cr3C2-25NiCr powder coating	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221115481
2191	Suneetha S., Wahidunnisa L.A., Divya A.R., Reddy P.B.A.	Electrical magnetohydrodynamic flow of kerosene oil based carbon nanotube's Maxwell nanofluid in the presence of non-linear radiation and Cattaneo-Christov heat diffusion: Applications in aerospace industry	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221125100

2192	Prabu S.S., Sujai S., Prathiba S., Ramkumar K.D., Arivazhagan N.	Microstructural and mechanical characterization of pre-used SA 335 P91 super-heater pipe weldment used in 70 MW CFBC boilers	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221089727
2193	Manikandan R., Suresh G., Abbas S.M., Selvi S., Begum S.S., Vezhavendhan R., Kumaresan G.	An investigation on thermo-mechanical characterization of activated carbon/coconut shell powder reinforced natural composites	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221132721
2194	Vijayalakshmi P., Sivaraj R.	Numerical simulation of hybrid nanofluid (Cu/Al <sub>2</sub> O <sub>3</sub> -water) flow in a porous enclosure with heated corners and non-Fourier heat flux	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221122063

2195	Venkateshkannan M., Arivazhagan N., Nageswara Rao M., Madhusudhan Reddy G.	Characterization of weld joints produced by continuous wave and double pulse gas metal arc welding in naval grade high-strength low-alloy steel	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221126430
2196	Bharathi P., Sampath kumar T.	Latest research and developments of ceramic reinforced magnesium matrix composites—A comprehensive review	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221126044
2197	Suneetha S., Wahidunnisa L., Reddy S.R.R., Reddy P.B.A.	Entropy generation on the variable electric field and EMHD SWCNT-blood nanofluid with melting/non-melting heat transfer	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221140223

2198	Ray S., Pati P.R., Gupta G., Nayak S.K.	Analysis and prediction of abrasion wear properties of glass-epoxy composites filled with eggshell powder	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221144188
2199	Muthu S.M., Arivarasu M., Sanford B.R., Dinakaran V., Gupta S.	Microstructure and hot corrosion characteristics evaluation of high-velocity oxy-fuel sprayed Ni-20%Cr coating on AISI 321 steel with Na <sub>2</sub> SO <sub>4</sub> -60%V <sub>2</sub> O <sub>5</sub> salt deposits	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.822	10.1177/09544089221143341
2200	Khan M.W., Elayaperumal A., Prabhu M.S., Arulvel S.	Effect of Compaction Pressure on the Physical, Mechanical, and Tribological Behavior of Compacted Crab Shell Particles Prepared Using Uniaxial Compaction Route	Journal of Materials Engineering and Performance					1.819	10.1007/s11665-021-06487-5

2201	Praveenkumar K., Swaroop S., Manivasagam G.	Residual Stress Distribution, Phase Transformation, and Wettability Characteristics of Laser Peened Austenitic Stainless Steel	Journal of Materials Engineering and Performance					1.819	10.1007/s11665-022- 06748-x
2202	Saju T., Velu M.	Characterization of Welded Joints of Dissimilar Nickel-Based Superalloys by Electron Beam and Rotary Friction Welding	Journal of Materials Engineering and Performance					1.819	10.1007/s11665-022- 06958-3
2203	Shastri R.K., Mohanty C.P.	A Cost Effective Approach to Explore the Electrical Discharge Machined Surface Characteristics of Nimonic C263 Superalloy	Journal of Materials Engineering and Performance					1.819	10.1007/s11665-022- 07048-0

2204	Kumar M.N.V.R.L., Ramakrishnan R.	Optimization of Fused Deposition Modeling Process Parameters and Dynamic Mechanical Analysis of 3D Printed Polycarbonate/Acrylonitrile-Butadiene-Styrene Composite Loaded with Tetrabromobiphenol-A and Microcrystalline Cellulose	Journal of Materials Engineering and Performance					1.819	10.1007/s11665-022-07051-5
2205	Ahmadian P., Akbarzadeh A., Asadi P., Saxena A.K.	Achieving an Optimal Balance of Strength and Elongation in AA 1050 Aluminum Alloy via Equal Channel Angular Pressing, Intermediate Annealing, and Post-Rolling	Journal of Materials Engineering and Performance					1.819	10.1007/s11665-022-07009-7

2206	Gupta A., Mohan I., Jude R.R., Suryawanshi A., Behera N.	Investigation of stress and tribological properties of dental composite materials using FEM	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology					1.818	10.1177/13506501221140199
2207	Sekar P.C., Srinivasan E., Chandrasekhar G., Paul D.M., Sanjay G., Surya S., Kumar N.A.R., Rajasekaran R.	Probing the competitive inhibitor efficacy of frog-skin alpha helical AMPs identified against ACE2 binding to SARS-CoV-2 S1 spike protein as therapeutic scaffold to prevent COVID-19	Journal of Molecular Modeling	28	5			1.810	10.1007/s00894-022-05117-8
2208	Palani K.C., Rajagopal D.	Numerical modelling of dry-out in pulsating heat pipe using VOF model	Journal of Mechanical Science and Technology					1.81	10.1007/s12206-022-0745-y
2209	Chakravarthi K.K., Neelakantan P., Shyamala L., Vaidehi V.	Reliable budget aware workflow scheduling strategy on multi-cloud environment	Cluster Computing					1.809	10.1007/s10586-021-03464-4

2210	Alroobaea R., Arul R., Rubaiee S., Alharithi F.S., Tariq U., Fan X.	AI-assisted bio-inspired algorithm for secure IoT communication networks	Cluster Computing					1.809	10.1007/s10586-021-03520-z
2211	Amma N.G.B.	A vector convolutional deep autonomous learning classifier for detection of cyber attacks	Cluster Computing					1.809	10.1007/s10586-022-03577-4
2212	Sangaiah A.K., Javadpour A., Ja'fari F., Pinto P., Zhang W., Balasubramanian S.	A hybrid heuristics artificial intelligence feature selection for intrusion detection classifiers in cloud of things	Cluster Computing					1.809	10.1007/s10586-022-03629-9



2213	Usha C., Vimala P., Ramkumar K., Ramakrishnan V.N.	Electrostatic characteristics of a high-k stacked gate-all-around heterojunction tunnel field-effect transistor using the superposition principle	Journal of Computational Electronics					1.807	10.1007/s10825-021-01819-z
2214	Lecko A., Murugusundaramoorthy G., Sivasubramanian S.	On a Subclass of Analytic Functions That Are Starlike with Respect to a Boundary Point Involving Exponential Function	Journal of Function Spaces	2022				1.807	10.1155/2022/4812501
2215	Uthirasamy N., Tamilvanan K., Nashine H.K., George R.	Solution and Stability of Quartic Functional Equations in Modular Spaces by Using Fatou Property	Journal of Function Spaces	2022				1.807	10.1155/2022/5965628

2216	Chandrasekar P., Nagaraju D.	The Effect of Electroless Ni-P-Coated Al <sub>2</sub> O <sub>3</sub> on Mechanical and Tribological Properties of Scrap Al Alloy MMCs	International Journal of Metalcasting					1.805	10.1007/s40962-022-00779-9
2217	Subramanian N., Solaiyan E., Sendrayaperumal A., Lakshmaiya N.	Flexural behaviour of geopolymer concrete beams reinforced with BFRP and GFRP polymer composites	Advances in Structural Engineering					1.8	10.1177/13694332211054229
2218	Vizhi R.E., Rajan R.	Structural, optical and room temperature magnetic properties of sol-gel synthesized (Co, Fe) co-doped SnO <sub>2</sub> nanoparticles	Journal of Crystal Growth	584				1.797	10.1016/j.jcrysgr.2022.126565

2219	Sivagami I., Jauhar R.M., Era P., Viswanathan V., Vinitha G., Ranjani S., Sivanesan T.	Growth, structural, spectral, Hirshfeld analysis, photoluminescence, linear and third order NLO properties of a novel organic p-toluidinium succinate succinic acid single crystal	Journal of Crystal Growth	580				1.797	10.1016/j.jcrysgro.2021.126471
2220	Ezhil Vizhi R., Ajisha D.S.	Investigations on nucleation kinetics and dielectric behavior of potassium DL-malato borate hydrate (C <sub>8</sub> H <sub>10</sub> BK <sub>0</sub> 11) single crystal	Journal of Crystal Growth	584				1.797	10.1016/j.jcrysgro.2022.126564
2221	Muthuraja A., Murugesan G., Reeta Felscia U., Rajkumar B.J.M., Kalainathan S., Ratchagar V.	Experimental and computational investigations of 4, 4'-Dimethoxybenzoin single crystal for optical limiting applications	Journal of Crystal Growth	588				1.797	10.1016/j.jcrysgro.2022.126602

2222	Subramaniaswamy V., Jagadeeswari V., Indragandhi V., Jhaveri R.H., Vijayakumar V., Kotecha K., Ravi L.	Somewhat Homomorphic Encryption: Ring Learning with Error Algorithm for Faster Encryption of IoT Sensor Signal-Based Edge Devices	Security and Communication Networks	2022					1.791	10.1155/2022/2793998
2223	Anilkumar P., Venugopal P.	Research Contribution and Comprehensive Review towards the Semantic Segmentation of Aerial Images Using Deep Learning Techniques	Security and Communication Networks	2022					1.791	10.1155/2022/6010912
2224	Anu Shalini T., Sri Revathi B.	Hybrid power generation forecasting using CNN based BILSTM method for renewable energy systems	Automatika						1.790	10.1080/00051144.2022.2118101
2225	Shyamala S., Shukla P.	DRAG ON A POROUS SPHERE EMBEDDED IN COUPLE STRESS FLUID	Journal of Porous Media	25	8	105	115		1.782	10.1615/JPORMEDIA.2022040109

2226	Padmaja K., Rushi Kumar B.	BUOYANCY AND OHMIC HEATING EFFECTS ON MHD NANOFLUID FLOW OVER A VERTICAL PLATE EMBEDDED IN A POROUS MEDIUM	Journal of Porous Media	25	8			1.782	10.1615/JPORMEDIA.2022041707
2227	Sowmiya C., Kumar B.R.	MHD MIXED CONVECTION FLOW IN A PERMEABLE VERTICAL PLATE WITH BUOYANCY AND DUFOUR EFFECTS	Journal of Porous Media	25	11	71	81	1.782	10.1615/JPorMedia.2022044034
2228	Naidu K.K., Babu D.H., Narayana P.V.S., Reddy S.H., Chalapathi T.	CONVECTIVE FLOW OF PRANDTL HYBRID NANOFLUID (SWCNT-MWCNT/EG) OVER AN EXPONENTIALLY ELONGATED SHEET WITH SECOND-ORDER SLIP	Journal of Porous Media	25	12	43	57	1.782	10.1615/JPorMedia.2022041669

2229	Reddy M.V., Lakshminarayana P.	MHD RADIATIVE FLOW OF WILLIAMSON NANOFLUID WITH CATTANEO- CHRISTOV MODEL OVER A STRETCHING SHEET THROUGH A POROUS MEDIUM IN THE PRESENCE OF CHEMICAL REACTION AND SUCTION/INJECTI ON	Journal of Porous Media	25	12	1	15	1.782	10.1615/JPorMedia.2 022041423
2230	Prabavathi A., Balu A.R., Vinitha G., Delci Z., Suganya M., Balamurugan S., Usharani K., Anitha S., Karthika M.	Spray solution aging dominated optoelectronic, electrochemical and third order NLO properties of CdO:Mo thin films	Indian Journal of Physics					1.778	10.1007/s12648-022- 02537-3
2231	Sujatha R., Chatterjee J.M., Angelopoulou A., Kapetanios E., Srinivasu P.N., Hemanth D.J.	A transfer learning-based system for grading breast invasive ductal carcinoma	IET Image Processing					1.773	10.1049/ipr2.12660

2232	Suryawanshi A.S., Behera N.	Prediction of abrasive wears behavior of dental composites using an artificial neural network	Computer Methods in Biomechanics and Biomedical Engineering					1.763	10.1080/10255842.20 22.2085509
2233	Shen X., Shukla P., Nayak S., Gopal V., Subramanian P., Sarah Benjamin A., Kalainathan S.	Biological and mechanical response of laser shock peening orthopaedic titanium alloy (Ti- 6Al-7Nb)	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine					1.763	10.1177/0954411922 1105849
2234	John P., Antony I.R., Whenish R., Jinoop A.N.	A review on fabrication of 3D printed biomaterials using optical methodologies for tissue engineering applications	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine					1.763	10.1177/0954411922 1122856

2235	Bég O.A., Venkatadri K., Prasad V.R., Bég T.A., Leonard H.J., Gorla R.S.R., Rajarajeswari P.	Numerical study of magnetohydrodynamic natural convection in a non-Darcian porous enclosure filled with electrically conducting helium gas	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062211003624
2236	ShivaKumar G.N., Rajamurugan G.	Friction stir welding of dissimilar alloy combinations—A Review	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062211069292
2237	Katoch A., Razak F.A., Suresh A., BS B., Gundabattini E.	Performance analysis of nano-refrigerants used in the vapor compression refrigeration system using MATLAB-Simulink	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062211069886



2238	Kumaran V., Muralidharan B.	A thermophysical modelling of electric discharge coating process	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062221080034
2239	Divya A., Reddy P.B.A.	Electromagnetohydrodynamic unsteady flow with entropy generation and hall current of hybrid nanofluid over a rotating disk: An application in hyperthermia therapeutic aspects	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062221076294

2240	Jakeer S., Reddy P.B.A.	Entropy generation on the variable magnetic field and magnetohydrodynamic stagnation point flow of Eyring–Powell hybrid dusty nanofluid: Solar thermal application	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062211072457
2241	Sandeep R., Natarajan A.	Application of machine learning approaches to predict joint strength of friction stir welded aluminium alloy 7475 and PPS polymer hybrid joint	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062221090082
2242	Venkit H., Selvaraj S.K.	Review on latest trends in friction-based additive manufacturing techniques	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062221101754

2243	Pradeep K., Ali L.J., Gobalakrishnan N., Raman C.J., Manikandan N.	CWOA: Hybrid Approach for Task Scheduling in Cloud Environment	Computer Journal	65	7	1860	1873	1.762	10.1093/comjnl/bxab028
2244	Ravala L., Rajini G.K.	Automatic Diagnosis of Diabetic Retinopathy from Retinal Abnormalities: Improved Jaya-Based Feature Selection and Recurrent Neural Network	Computer Journal	65	7	1904	1922	1.762	10.1093/comjnl/bxab068
2245	Sakkaravarthi K., Reddy P.B.A.	Entropy generation on Casson hybrid nanofluid over a curved stretching sheet with convective boundary condition: Semi-analytical and numerical simulations	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.758	10.1177/09544062221119055

2246	Ram S.C., Chattopadhyay K., Bhushan A.	A literature review on Al-Si alloy matrix based in situ Al-Mg <sub>2</sub> Si FG-composites: Synthesis, microstructure features, and mechanical characteristics	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.758	10.1177/09544062221124064
2247	Vijatha M., Reddy P.B.A.	Entropy generation on MHD Maxwell hybrid nanofluid over a Stretching cylinder with Cattaneo-Christov heat flux: Analytical and numerical simulations	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.758	10.1177/09544062221128449
2248	Thiyagarajan R., Senthil Kumar M.	Enhanced energy absorption and microstructural studies on hollow glass microsphere filled closed cell aluminum matrix syntactic foam	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.758	10.1177/09544062221134984

2249	Babu Rao K., Reddy D.M.	Fault diagnosis in rotors using adaptive neuro-fuzzy inference systems	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.758	10.1177/09544062221141588
2250	Chakraborty D., Giri S., Natarajan L., Chandrasekaran N., Mukherjee A.	Recent Advances in Understanding the Facets of Eco-corona on Engineered Nanomaterials	Journal of the Indian Institute of Science					1.742	10.1007/s41745-021-00266-w
2251	Kunapalli C.K., Chakraborty D., Shaik K.	Structural, optical, and magnetic properties of Sn-doped ZnS thin films: role of post-annealing	Journal of the Australian Ceramic Society					1.741	10.1007/s41779-022-00786-3
2252	Sur S., Sathiavelu M.	A concise overview on pesticide detection and degradation strategies	Environmental Pollutants and Bioavailability	34	1	112	126	1.737	10.1080/26395940.2022.2041489

2253	Anusha B., Geetha P., Kannan A.	Parkinson's disease identification in homo sapiens based on hybrid ResNet-SVM and resnet-fuzzy svm models	Journal of Intelligent and Fuzzy Systems	43	3	2711	2729	1.737	10.3233/JIFS-220271
2254	Sreedevi S., Angeline Ezhilarasi G.	Optimal rating and placing of numerous distributed generators in distribution network applying spider monkey optimization	Journal of Intelligent and Fuzzy Systems	43	3	3251	3269	1.737	10.3233/JIFS-220210
2255	Muruganandham R., Sheik Abdullah A., Selvakumar S.	A hybrid web analytic approach through click enabled vision based page segmentation in quest software for school students	Journal of Intelligent and Fuzzy Systems	43	5	6863	6875	1.737	10.3233/JIFS-221392
2256	Krishnakumar K., Gandhi S.I., Sivaranjani C.K.	Stationary wavelet transformation based video stabilization and stitching	Journal of Intelligent and Fuzzy Systems	43	5	5759	5770	1.737	10.3233/JIFS-213069

2257	Angammal S., Hannah Grace G.	An interactive neutrosophic programming approach for multi objective crop planning problem with intuitionistic fuzzy parameter in Ariyalur District	Journal of Intelligent and Fuzzy Systems	43	5	6189	6201	1.737	10.3233/JIFS-220156
2258	Sujatha R., Chatterjee J.M., Priyadarshini I., Hassanien A.E., Mousa A.A.A., Alghamdi S.M.	Self-organizing Maps and Bayesian Regularized Neural Network for Analyzing Gasoline and Diesel Price Drifts	International Journal of Computational Intelligence Systems	15	1			1.736	10.1007/s44196-021-00060-7
2259	Selvaraj S.K., Raj A., Rishikesh Mahadevan R., Chadha U., Paramasivam V.	A Review on Machine Learning Models in Injection Molding Machines	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/1949061
2260	Chadha U., Selvaraj S.K., Pant H., Arora A., Shukla D., Sancheti I., Chadha A., Srivastava D., Khanna M., Ram Kishore S., Paramasivam V.	Phase Change Materials in Metal Casting Processes: A Critical Review and Future Possibilities	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/7520308

2261	Chadha U., Selvaraj S.K., Ashokan H., Hariharan S.P., Mathew Paul V., Venkatarangan V., Paramasivam V.	Complex Nanomaterials in Catalysis for Chemically Significant Applications: From Synthesis and Hydrocarbon Processing to Renewable Energy Applications	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/1552334
2262	Krishnasamy K., Subbulekshmi D., Deepa T., Gnanasekaran B.M., Maridurai T., Sriram M., Kumar S.S., Markos M.	Fatigue Failure Analysis of a Gear in Automobile Engine Coolant Pump	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/3982415
2263	Samrot A.V., Ngaakudzwe K.T., Rajalakshmi D., Prakash P., Suresh Kumar S., Chandramohan M., Alex Anand D., Lilly Mercy J., Simon Y., Saigeetha S.	Waste-Derived Cellulosic Fibers and Their Applications	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/7314694



2264	Sivaraman V., Davis Hans S.J., Palani K., Atiso T.A., Jm J., Ross N.S.	Analysis of Turning Performance on AISI O1 Steel Using VO+nMoS2as Coolant	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/8196347
2265	Kiran B., Nagaraju D., Selvaraj S.K., Molla B.	Experimental and Mathematical Studies for Optimality of GTAW Parameters on Similar and Dissimilar Steel Substrates	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/5118566
2266	Adefris Legesse A., Desalegn D., Selvaraj S.K., Paramasivam V., Chadha U.	Experimental Investigation of Sorghum Stalk and Sugarcane Bagasse Hybrid Composite for Particleboard	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/1844004
2267	Deepa T., Subbulekshmi D., Lakshmi P., Maheedhar M., Kishore E., Vinodharanai M., Chockalingam T.	Comparative Study of Different Controllers for Levitating Ferromagnetic Material	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/4344083

2268	Ramkumar M.S., Reddy C.S.R., Ramakrishnan A., Raja K., Pushpa S., Jose S., Jayakumar M.	Review on Li-Ion Battery with Battery Management System in Electrical Vehicle	Advances in Materials Science and Engineering	2022				1.726	10.1155/2022/337957 4
2269	Vivek P., Rekha M., Suvitha A., Kowsalya M., Steephen A.	Diamond morphology CuO nanomaterial's elastic properties, ADMET, optical, structural studies, electrical conductivity and antibacterial activities analysis	Inorganic and Nano-Metal Chemistry					1.716	10.1080/24701556.20 22.2046610
2270	Dwivedi M.K., Pandey S.K., Singh P.K.	Larvicidal activity of green synthesized zinc oxide nanoparticles from Carica papaya leaf extract	Inorganic and Nano-Metal Chemistry					1.716	10.1080/24701556.20 22.2072340

2271	Ramachandran M., Balakrishnan S.	Effect of Noise in the Quantum Bidirectional Direct Communication Protocol Using Non- maximally Entangled States	International Journal of Theoretical Physics	61	5			1.708	10.1007/s10773-022- 05115-9
2272	Pandi D., Kothandaraman S., Kumarasamy M.V., Kuppusamy M.	Assessment of Land Use and Land Cover Dynamics Using Geospatial Techniques	Polish Journal of Environmental Studies	31	3	2779	2786	1.699	10.15244/pjoes/1418 10
2273	Singh A.K., Kumar J.	FIB fabrication and electron emission characteristics of overhanging tungsten and platinum nanostructures	AIP Advances	12	12			1.697	10.1063/5.0124450
2274	Asokan M.A., Prabu S.S.	Effect of n- butanol on cotton seed oil biodiesel: an approach for improving the emission behavior of DI diesel engine	Petroleum Science and Technology					1.695	10.1080/10916466.20 22.2092131

2275	Shaik V., Inabathini S.R.	An ultra-wideband polarization insensitive frequency selective surface for shielding applications	International Journal of RF and Microwave Computer-Aided Engineering					1.694	10.1002/mmce.23065
2276	Shaw M., Choukiker Y.K.	Electronically beam switched conformal microstrip array antenna for 5G applications	International Journal of RF and Microwave Computer-Aided Engineering					1.694	10.1002/mmce.23270
2277	Bera A., Chanda A., Dey L.K., Ali J.	Iterative approximation of fixed points of a general class of non-expansive mappings in hyperbolic metric spaces	Journal of Applied Mathematics and Computing	68	3	1817	1839	1.686	10.1007/s12190-021-01592-z
2278	Pati P.R., Satapathy A., Gupta G., Ray S.	Optimizing wear analysis of plasma sprayed Linz-Donawitz slag-Al <sub>2</sub> O <sub>3</sub> coatings using experimental design and neural network	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology					1.674	10.1177/13506501221106562

2279	Chowdary M.Y., Rana S.S., Ghosh P.	Banana inflorescence and their potential health benefits as future food	Quality Assurance and Safety of Crops and Foods	14	2	131	136	1.672	10.15586/qas.v14i2.1066
2280	Raja S., John Rajan A., Praveen Kumar V., Rajeswari N., Girija M., Modak S., Vinoth Kumar R., Mammo W.D.	Selection of Additive Manufacturing Machine Using Analytical Hierarchy Process	Scientific Programming	2022				1.672	10.1155/2022/1596590
2281	Raja S., Logeshwaran J., Venkatasubramanian S., Jayalakshmi M., Rajeswari N., Olaiya N.G., Mammo W.D.	OCHSA: Designing Energy-Efficient Lifetime-Aware Leisure Degree Adaptive Routing Protocol with Optimal Cluster Head Selection for 5G Communication Network Disaster Management	Scientific Programming	2022				1.672	10.1155/2022/5424356
2282	Patil K.S., Rufus E.	Design of Bio-implantable Antenna Using Metamaterial Substrate	Wireless Personal Communications					1.671	10.1007/s11277-021-09414-y

2283	Sumathi D., Prakasam P., Nandakumar S., Balaji S.	Efficient Seamless Handover Mechanism and Mobility Management for D2D Communication in 5G Cellular Networks	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09655-5
2284	Graceshalini T., Jenicka S.	An Approach for Intersection Prevention in Transmission Channel Using Correlation Matrix and Tree Construction Model in V2X Framework	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09551-y
2285	Krishnan R., Krishnan R.S., Robinson Y.H., Julie E.G., Long H.V., Sangeetha A., Subramanian M., Kumar R.	An Intrusion Detection and Prevention Protocol for Internet of Things Based Wireless Sensor Networks	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09521-4

2286	Viswanathan S., Bhuvaneshwaran R.S., Ganapathy S., Kannan A.	Euler Phi Function and Gamma Function Based Elliptic Curve Encryption for Secured Group Communication	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09557-6
2287	Bhangale K.B., Kothandaraman M.	Survey of Deep Learning Paradigms for Speech Processing	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09640-y
2288	Reddy M.K.K., Kanishka R., Nandakumar S., Velmurugan T.	Enhanced Resource Blocks Management in D2D based Communication for 5G Networks	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09749-0
2289	Nithya R., Priya V., Sathiya Kumar C., Dheebea J., Chandrababha K.	A Smart Parking System: An IoT Based Computer Vision Approach for Free Parking Spot Detection Using Faster R- CNN with YOLOv3 Method	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09705-y

2290	Prakasam P., Madheswaran M., Sujith K.P., Sayeed M.S.	Low Latency, Area and Optimal Power Hybrid Lightweight Cryptography Authentication Scheme for Internet of Things Applications	Wireless Personal Communicatio ns			1	15	1.671	10.1007/s11277-022- 09748-1
2291	Shakir S.S.H., Rajesh A.	Power Control Based BPM with CDS Scheduling for Downlink Transmission in LTE-A Networks	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09683-1
2292	Kulandaivel M., Natarajan A., Velayutham S., Srivastava A., Gupta S.K., Suresh P., Goyal N.	Compressive Sensing Node Localization Method Using Autonomous Underwater Vehicle Network	Wireless Personal Communicatio ns					1.671	10.1007/s11277-022- 09841-5



2293	Lalithamaheswari B., Anu Radha C.	Structural and conformational dynamics of human milk oligosaccharides, lacto-N-fucopentaose I and II, through molecular dynamics simulation	Journal of Carbohydrate Chemistry					1.667	10.1080/07328303.2022.2150203
2294	Hemalatha R., Kameswaran P.K.	INFLUENCE OF NANOPARTICLE SHAPES WITH VARIABLE PERMEABILITY ON NON-DARCY POROUS MEDIUM	Journal of Porous Media	25	3	71	89	1.663	10.1615/JPORMEDIA.2021040133
2295	Loganathan A., Nachimuthu R.	In vitro and in vivo therapeutical efficiency of the staphylococcus phages and the effect of phage infectivity in well-mixed and spatial environment	Biologia					1.653	10.1007/s11756-022-01236-y

2296	Karimulla S., Ravi K.	Integration of Renewable Energy Sources into the Smart Grid Using Enhanced SCA	Intelligent Automation and Soft Computing	32	3	1557	1572	1.647	10.32604/IASC.2022.022953
2297	Beatrice S., Meena J.	Overhauled Approach to Effectuate the Amelioration in EEG Analysis	Intelligent Automation and Soft Computing	33	1	331	347	1.647	10.32604/iasc.2022.023666
2298	Palanikkumar D., Upreti K., Venkatraman S., Roselin Suganthi J., Kannan S., Srinivasan S.	Fuzzy Logic for Underground Mining Method Selection	Intelligent Automation and Soft Computing	32	3	1843	1854	1.647	10.32604/IASC.2022.023350
2299	Sujatha R., Chatterjee J.M., Jhanjhi N.Z., Tabbakh T.A., Almusaylim Z.A.	Heart failure patient survival analysis with multi kernel support vector machine	Intelligent Automation and Soft Computing	32	1	115	129	1.647	10.32604/iasc.2022.019133
2300	Sujatha R., Venkata Siva Krishna B., Chatterjee J.M., Naidu P.R., Jhanjhi N.Z., Charita C., Mariya E.N., Baz M.	Prediction of suitable candidates for covid-19 vaccination	Intelligent Automation and Soft Computing	32	1	525	541	1.647	10.32604/iasc.2022.021216

2301	Varun Chand H., Karthikeyan J.	Cnn based driver drowsiness detection system using emotion analysis	Intelligent Automation and Soft Computing	31	2	717	728	1.647	10.32604/iasc.2022.0 20008
2302	Krishnan K.S., Suhaila S., Raja S.P.	A Novel Medical Image Encryption Using Rössler System	Intelligent Automation and Soft Computing	33	2	1081	1101	1.647	10.32604/iasc.2022.0 24023
2303	Balasundaram A., Dilip G., Manickam M., Sivaraman A.K., Gurunathan K., Dhanalakshmi R., Ashokkumar S.	Abnormality identification in video surveillance system using dct	Intelligent Automation and Soft Computing	32	2	693	704	1.647	10.32604/iasc.2022.0 22241
2304	Changrampadi M.H., Shahina A., Badri Narayanan M., Nayeemulla Khan A.	End-to-end speech recognition of tamil language	Intelligent Automation and Soft Computing	32	2	1309	1323	1.647	10.32604/iasc.2022.0 22021
2305	Arunachalam P., Janakiraman N., Sivaraman A.K., Balasundaram A., Vincent R., Rani S., Dey B., Muralidhar A., Rajesh M.	Synovial sarcoma classification technique using support vector machine and structure features	Intelligent Automation and Soft Computing	32	2	1241	1259	1.647	10.32604/iasc.2022.0 22573

2306	Nayagam M.G., Ramar K., Venkatesh K., Raja S.P.	Moving Object Detection and Tracking Algorithm Using Hybrid Decomposition Parallel Processing	Intelligent Automation and Soft Computing	33	3	1485	1499	1.647	10.32604/iasc.2022.0 23953
2307	Kothandaraman D., Manickam M., Balasundaram A., Pradeep D., Arulmurugan A., Sivaraman A.K., Rani S., Dey B., Balakrishna R.	Decentralized Link Failure Prevention Routing (DLFPR) Algorithm for Efficient Internet of Things	Intelligent Automation and Soft Computing	34	1	655	666	1.647	10.32604/iasc.2022.0 24134
2308	Govindarajulu K., Subramanyam Reddy A.	Impacts of Joule heating and viscous dissipation on MHD pulsatile flow of third grade nanofluid in a channel	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.62	10.1177/0954408921 1068245
2309	Sandeep R., Natarajan A.	Advances in joining technologies for the innovation of 21st century lightweight aluminium-CFRP hybrid structures	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.62	10.1177/0954408921 1073027

2310	Subramani P., Sathishkumar M., Manikandan M., Selvaraj S.K., Sreenivasulu V., Arivazhagan N., Rajkumar S.	Performance of air plasma sprayed Cr3C2- 25NiCr and NiCrMoNb coated X8CrNiMoVNb16- 13 alloy subjected to high temperature corrosion environment	Materials Research Express	9	1			1.620	10.1088/2053- 1591/ac4b4f
2311	Aneesh T., Pawan K., Mohan L., Hari Krishna P., Hotta T.K., Mohanty C.P., Gupta M.	Exploring Casting Defects of AA7075 Alloy in the Gravity Die Casting Simulation of an IC Engine Block	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/0954408921 1073296
2312	Chadha U., Selvaraj S.K., Vishak Thanu S., Cholapadath V., Abraham A.M., Zaiyan M M., Manoharan M., Paramsivam V.	A review of the function of using carbon nanomaterials in membrane filtration for contaminant removal from wastewater	Materials Research Express	9	1			1.620	10.1088/2053- 1591/ac48b8

2313	Sathishkumar M., Manikandan M., Arivazhagan N., Arulmurugan B., Kumaran Selvaraj S., Vignesh M., Rajakumar S., Rajkumar S.	Hot corrosion behaviour of constant and pulsed current welded Hastelloy X in Na <sub>2</sub> SO <sub>4</sub> , V <sub>2</sub> O <sub>5</sub> , and NaCl salt mixture at 900 °C	Materials Research Express	9	2			1.620	10.1088/2053- 1591/ac5355
2314	Elangovan T., Palanisamy P.	Performance analysis of lauric acid embedded with nanoparticles as phase change materials in heat transfer applications	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/0954408922 1085369
2315	Hamah Sor N., Ali T.K.M., Vali K.S., Ahmed H.U., Faraj R.H., Bheel N., Mosavi A.	The behavior of sustainable self- compacting concrete reinforced with low-density waste Polyethylene fiber	Materials Research Express	9	3			1.620	10.1088/2053- 1591/ac58e8

2316	Chadha U., Bhardwaj P., Selvaraj S.K., Kumari K., Isaac T.S., Panjwani M., Kulkarni K., Mathew R.M., Satheesh A.M., Pal A., Gunreddy N., Dubey O., Singh S., Latha S., Chakravorty A., Badoni B., Banavoth M., Sonar P., Manoharan M., Paramasivam V.	Advances in chitosan biopolymer composite materials: From bioengineering, wastewater treatment to agricultural applications	Materials Research Express	9	5			1.620	10.1088/2053- 1591/ac5a9d
2317	Vijatha M., Reddy P.B.A.	Comparative analysis on magnetohydrody namic flow of non-Newtonian hybrid nanofluid over a stretching cylinder: Entropy generation	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/0954408922 1093296

2318	Ashok D., Raju Bahubalendruni M.V.A., Johnney Mertens A., Balamurali G.	A novel nature inspired 3D open lattice structure for specific energy absorption	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/09544089221092894
2319	Divya A., Bala Anki Reddy P.	Aerospace aspects of electromagnetohydrodynamic dusty flow of hybrid nanofluid with entropy generation over a rotating disk	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/09544089221102417
2320	Sakkaravarthi K., Reddy P.B.A.	Entropy optimization of MHD hybrid nanofluid flow through a curved stretching sheet with thermal radiation and heat generation: Semi-analytical and numerical simulations	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/09544089221100222



2321	Meenakumari R., Lakshminarayana P.	MHD 3D flow of powell eyring fluid over a bidirectional non- linear stretching surface with temperature dependent conductivity and heat absorption/gener- ation	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/0954408922 1097695
2322	Kumar G.R., Sathishkumar M., Vignesh M., Manikandan M., Rajyalakshmi G., Ramanujam R., Arivazhagan N.	Metal additive manufacturing of commercial aerospace components – A comprehensive review	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/0954408922 1104070
2323	Govindarajan S., Asharani I.V.	Development and Validation of a LC-MS/MS Method for the Profiling of Impurities Formed during Stress Study of Antifungal Agent- Efinaconazole	Journal of Chromatograp hic Science	60	4	324	335	1.618	10.1093/chromsci/bm ab079

2324	Uma Maheswararao G., Jaya Krishna D., John B.	Melting and Solidification Behaviour of Some Organic Phase Change Materials Applicable to Low Temperature Heat Storage Applications	International Journal of Thermophysics	43	7			1.608	10.1007/s10765-022-03042-9
2325	Satham Hussain S., Muhiuddin G., Durga N., Al-Kadi D.	New concepts on quadripartite and bipolar single valued neutrosophic graph	CMES - Computer Modeling in Engineering and Sciences	130	1	559	580	1.593	10.32604/cmes.2022.017032
2326	Umadevi K.S., Thakare K.S., Patil S., Raut R., Dwivedi A.K., Haldorai A.	Dynamic hidden feature space detection of noisy image set by weight binarization	Signal, Image and Video Processing					1.583	10.1007/s11760-022-02284-2
2327	Pavithra L.K., Sree Sharmila T., Subbulakshmi P.	Texture Image Classification and Retrieval Using Multi-resolution Radial Gradient Binary Pattern	Applied Artificial Intelligence					1.58	10.1080/08839514.2021.2001176

2328	Sagayaraj A.S., Devi T.K., Umadevi S.	Prediction of Sulfur Content in Copra Using Machine Learning Algorithm	Applied Artificial Intelligence					1.58	10.1080/08839514.2021.1997214
2329	Rampriya R.S., Suganya R., Nathan S., Perumal P.S.	A Comparative Assessment of Deep Neural Network Models for Detecting Obstacles in the Real Time Aerial Railway Track Images	Applied Artificial Intelligence					1.58	10.1080/08839514.2021.2018184
2330	Chowdary J., Yogarajah P., Chaurasia P., Guruviah V.	A Multi-Task Learning Framework for Automated Segmentation and Classification of Breast Tumors From Ultrasound Images	Ultrasonic Imaging					1.578	10.1177/01617346221075769
2331	Yandrapu V.P., Kanidarapu N.R.	Conceptual Design of Methyl Chloride Production Processes: A Review	Periodica Polytechnica Chemical Engineering	66	3	341	353	1.571	10.3311/PPch.19556

2332	Painam R.K., Suchetha M.	Despeckling of SAR Images Using BEMD- Based Adaptive Frost Filter	Journal of the Indian Society of Remote Sensing					1.563	10.1007/s12524-022- 01495-x
2333	Jenifer Grace Giftlin C., Jenicka S., Ebenezer Juliet S.	Building Footprint Semantic Segmentation using Bi-Channel Bi-Spatial (B2-CS) LinkNet	Journal of the Indian Society of Remote Sensing					1.563	10.1007/s12524-022- 01568-x
2334	Kothandaraman H., Kaliyamoorthy A., Rajaram A., Kalaiselvan C.R., Sahu N.K., Govindasamy P., Rajaram M.	Functionalization and Haemolytic analysis of pure superparamagne tic magnetite nanoparticle for hyperthermia application	Journal of Biological Physics	48	4	383	397	1.56	10.1007/s10867-022- 09614-y
2335	Tiwari A., Tiwari A., Bhatia A., Chadha U., Kandregula S., Selvaraj S.K., Bhardwaj P.	Nanomaterials for Electromagnetic Interference Shielding Applications: A Review	Nano					1.556	10.1142/S179329202 2300018
2336	Baskaran T., Ganapathy R.	A Study on C - Exponential Mean Labeling of Graphs	Journal of Mathematics	2022				1.555	10.1155/2022/286557 3

2337	Kumarganesh S., Anthoniraj S., Kumar T.S., Elayaraja P., Malathi A.C.J., Somaskandan M., Bekele G.	A Novel Analytical Framework Is Developed for Wireless Heterogeneous Networks for Video Streaming Applications	Journal of Mathematics	2022				1.555	10.1155/2022/210088 3
2338	Umamaheswaran A., Udhayakumar R., Selvaraj C., Tamilvanan K., Kabeto M.J.	Existence of Covers and Envelopes of a Left Orthogonal Class and Its Right Orthogonal Class of Modules	Journal of Mathematics	2022				1.555	10.1155/2022/807213 4
2339	Muruganantham P., Balakrishnan S.M.	Attention Aware Deep Learning Model for Wireless Capsule Endoscopy Lesion Classification and Localization	Journal of Medical and Biological Engineering					1.553	10.1007/s40846-022- 00686-8

2340	Kathirvelan J.	Fabrication of flexible carbon heaters and silver interdigitated electrodes using ink-jet printing technology for electro-chemical gas sensor applications	Sensor Review					1.544	10.1108/SR-01-2022-0046
2341	Varun Kumar K.A., Priyadarshini R., Kathik P.C., Madhan E.S., Sonya A.	Self-co-ordination algorithm (SCA) for multi-UAV systems using fair scheduling queue	Sensor Review					1.544	10.1108/SR-01-2022-0003
2342	Gayathri A., Prabu A.V., Rajasoundaran S., Routray S., Narayanasamy P., Kumar N., Qi Y.	Cooperative and feedback based authentic routing protocol for energy efficient IoT systems	Concurrency and Computation: Practice and Experience					1.536	10.1002/cpe.6886
2343	Om Kumar C.U., Durairaj J., Ahamed Ali S.A., Justindhas Y., Marappan S.	Effective intrusion detection system for IoT using optimized capsule auto encoder model	Concurrency and Computation: Practice and Experience					1.536	10.1002/cpe.6918

2344	Sakthivel N.K., Subasree S., Malik S., Tyagi A.K.	A Wrapper based feature extraction framework based on AlexNet deep convolutional neural network parameters optimized using gradient-based optimizer for mammogram images	Concurrency and Computation: Practice and Experience					1.536	10.1002/cpe.7008
2345	Reddy V., Gayathri P.	Revised beaconing glowworm swarm optimization ant colony optimization algorithm to localize nodes and optimize the energy consumed by nodes in wireless sensor networks	Concurrency and Computation: Practice and Experience	34	13			1.536	10.1002/cpe.6013

2346	Ramathulasi T., Rajasekharababu M.	Augmented latent Dirichlet allocation model via word embedded clusters for mashup service clustering	Concurrency and Computation: Practice and Experience	34	15			1.536	10.1002/cpe.6896
2347	Kumari N., Acharjya D.P.	A decision support system for diagnosis of hepatitis disease using an integrated rough set and fish swarm algorithm	Concurrency and Computation: Practice and Experience					1.536	10.1002/cpe.7107
2348	Rout M., Kour B., Vuree S., Lulu S.S., Medicherla K.M., Suravajhala P.	Diabetes mellitus susceptibility with varied diseased phenotypes and its comparison with phenome interactome networks	World Journal of Clinical Cases	10	18	5957	5964	1.534	10.12998/wjcc.v10.i18.5957
2349	Santosh Kumar Reddy P.L., Obulesu Y.P.	Design and Development of a New Transformerless Multi-port DC–DC Boost Converter	Journal of Electrical Engineering and Technology					1.528	10.1007/s42835-022-01145-9



2350	Kalaiarasu S., Natarajan S.	Conducted Electromagnetic Interference Mitigation on Two-Stage Cascaded Boost (TSCB) DC-DC Converter Using FPGA Based DCPWM Technique for EV Applications	Journal of Electrical Engineering and Technology					1.528	10.1007/s42835-022-01264-3
2351	Jeyakumar P., Anandpushparaj J., Thanapal P., Meenatchi S., Dhamodaran M.	Terahertz Micro- Strip Patch Antenna Design and Modelling for 6G Mobile Communication	Journal of Electrical Engineering and Technology					1.528	10.1007/s42835-022-01308-8
2352	Darla R.B., Chitra A.	Intelligent Health Monitoring of Capacitor Using Reduced Experimental Input Data	Journal of Electrical Engineering and Technology					1.528	10.1007/s42835-022-01328-4
2353	Sarpal D., Sinha R., Jha M., TN P.	AgriWealth: IoT based farming system	Microprocesso rs and Microsystems	89				1.525	10.1016/j.micpro.2022.104447
2354	Sangaiah A.K., Javadpour A., Ja'fari F., Pinto P., Ahmadi H., Zhang W.	CL-MLSP: The design of a detection mechanism for sinkhole attacks in smart cities	Microprocesso rs and Microsystems	90				1.525	10.1016/j.micpro.2022.104504

2355	Raju E., Jayaprakash P., Ravisankar R., Lydia Caroline M., Vinitha G., Kumaresan S.	Investigations on synthesis, growth and physicochemical properties of organic nonlinear optical crystal: 2-aminopyridinium maleate	Inorganic and Nano-Metal Chemistry					1.514	10.1080/24701556.2022.2068590
2356	Gopal K.V., Kumar K.R.V., Suresh G., Rajasekharan V., Nagarajan P.K., Meenakshi C.M.	Investigation of TiO <sub>2</sub> Nano Filler in Mechanical, Thermal Behaviour of Sisal/Jute Fiber Reinforced Interpenetrating Polymer Network (IPN) Composites	Materials Research	25				1.511	10.1590/1980-5373-MR-2022-0406
2357	Rajasabai S.P., Koppolu U.M.K.	Metamagnetism in Hexagonal CrSn : A First Principle Study	Journal of Superconductivity and Novel Magnetism					1.506	10.1007/s10948-021-06116-1

2358	Joshi H., Kumar A.R.	Investigations and Correlations of Structural, Magnetic, and Dielectric Properties of M-Type Barium Hexaferrite (BaFe <sub>12</sub> O <sub>19</sub> ) for Hard Magnet Applications	Journal of Superconductivity and Novel Magnetism					1.506	10.1007/s10948-022-06203-x
2359	Archana R., Ramakrishna V.V., Suresh V., Kavita S., Bhatt P., Deepika R., Ramya M., Yusuf S.M., Gopalan R.	Magnetocaloric Effect, Magnetic Interactions and Phase Transition in La <sub>1.3</sub> Fe <sub>11.6-x</sub> Si <sub>1.4</sub> Gax Alloys	Journal of Superconductivity and Novel Magnetism					1.506	10.1007/s10948-022-06295-5
2360	Hanumegowda P.K., Gnanasekaran S.	Risk factors and prevalence of work-related musculoskeletal disorders in metropolitan bus drivers: An assessment of whole body and hand-arm transmitted vibration	Work	71	4	951	973	1.505	10.3233/WOR-205007

2361	Thirunavukkarasu M.K., Karuppasamy R.	Forecasting determinants of recurrence in lung cancer patients exploiting various machine learning models	Journal of Biopharmaceut ical Statistics					1.503	10.1080/10543406.20 22.2148162
2362	Suresh S., Vinod B., Reddy S.S.K., Sudhakara D., Sandeep A.	Investigation of Tribo-Mechanical Properties of Polyamide 6 Nano- Biocomposite: Novel Approach Prediction of Fiber Orientation with OMMT	Transactions of the Indian Institute of Metals					1.499	10.1007/s12666-021- 02504-2
2363	Hashmi A.W., Mehdi H., Mishra R.S., Mohapatra P., Kant N., Kumar R.	Mechanical Properties and Microstructure Evolution Of AA6082/Sic Nanocomposite Processed by Multi-Pass FSP	Transactions of the Indian Institute of Metals					1.499	10.1007/s12666-022- 02582-w

2364	Ma P., Zhang Z., Ke Y., Yang S., Deng K., Cheng P., Chen H., Prashanth K.G.	Effect of Powder Characteristic and Aging Treatment on the Corrosion Behavior of Selective Laser Melted Al-20Si Alloy	Transactions of the Indian Institute of Metals					1.499	10.1007/s12666-022-02548-y
2365	Anakath A.S., Kannadasan R., Joseph N.P., Boominathan P., Sreekanth G.R.	Insider attack detection using deep belief neural network in cloud computing	Computer Systems Science and Engineering	41	2	479	492	1.486	10.32604/csse.2022.019940
2366	Balaji V.R., Kalavathi T., Vellingiri J., Rajkumar N., Padhy V.P.	5G Data Offloading Using Fuzzification with Grasshopper Optimization Technique	Computer Systems Science and Engineering	42	1	289	301	1.486	10.32604/CSSE.2022.020971
2367	Kusuma S., Jothi K.R.	Heart disease classification using multiple K-PCA and hybrid deep learning approach	Computer Systems Science and Engineering	41	3	1273	1289	1.486	10.32604/csse.2022.021741

2368	Ulagamuthalvi V., Kulanthaivel G., Balasundaram A., Sivaraman A.K.	Breast Mammogram Analysis and Classification Using Deep Convolution Neural Network	Computer Systems Science and Engineering	43	1	275	289	1.486	10.32604/csse.2022.0 23737
2369	Navaneetha Krishnan S., Sundara Vadivel P., Yuvaraj D., Satyanarayana Murthy T., Malla S.J., Nachiyappan S., Shanmuga Priya S.	Enhanced Route Optimization for Wireless Networks Using Meta-Heuristic Engineering	Computer Systems Science and Engineering	43	1	17	26	1.486	10.32604/csse.2022.0 21590
2370	Anakath A.S., Ambika S., Rajakumar S., Kannadasan R., Sendhil Kumar K.S.	Fingerprint Agreement Using Enhanced Kerberos Authentication Protocol on M- Health	Computer Systems Science and Engineering	43	2	833	847	1.486	10.32604/csse.2022.0 22329
2371	Prabu S., Thiyaneswaran B., Sujatha M., Nalini C., Rajkumar S.	Grid Search for Predicting Coronary Heart Disease by Tuning Hyper- Parameters	Computer Systems Science and Engineering	43	2	737	749	1.486	10.32604/csse.2022.0 22739

2372	Chidambaram K., Ashok B., Vignesh R., Deepak C., Ramesh R., Narendhra T.M.V., Muhammad Usman K., Kavitha C.	Critical analysis on the implementation barriers and consumer perception toward future electric mobility	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering					1.484	10.1177/0954407022 1080349
2373	Ramaswamy S., Kongara D., Priyanka D.L., Gade R., Krishna Raj R., Gayathri R.	Synthesis, spectral characterization, antibacterial, cytotoxic evaluation and docking studies of new urea and thiourea derivatives	Indian Journal of Biochemistry and Biophysics	59	7	767	776	1.476	
2374	Rajamanickam G., Manju S.L.	A review on phyto- nanotechnology for therapy of alzheimer's disease	Indian Journal of Biochemistry and Biophysics	59	9	867	872	1.476	10.56042/ijbb.v59i9.5 7758

2375	Harish Babu D., Venkateswarlu B., Sarojamma G., Satya Narayana P.V.	Coupled Impression of Radiative Thermal Flux and Lorentz Force on the Water Carrying Composite Nanoliquid Streaming Past an Elastic Sheet	Journal of Thermal Science and Engineering Applications	14	9			1.470	10.1115/1.4053229
2376	Lokesh Reddy B., Nelleri A.	Complex object wave retrieval using single-pixel compressive imaging of an off- axis Fresnel hologram	Journal of Modern Optics					1.464	10.1080/09500340.20 22.2067358
2377	Reddy B.L., Uma Mahesh R.N., Nelleri A.	Deep convolutional neural network for three- dimensional objects classification using off-axis digital Fresnel holography	Journal of Modern Optics					1.464	10.1080/09500340.20 22.2081371



2378	P V., T N., S S., R S., S J., Christopher J.G.	Streptomyces sp. VITGV100: An endophyte from Lycopersicon esculentum as new source of indole type compounds	Biochemical Systematics and Ecology	105				1.462	10.1016/j.bse.2022.104523
2379	Dhanalakshmi R., Rashid J., Kim J., Sivaraman A.K., Naseem U., Vincent R.	A New Method for Centrality Measurement Using Generalized Fuzzy Graphs	Discrete Dynamics in Nature and Society	2022				1.457	10.1155/2022/4704409
2380	Husna Khouser G., Choukiker Y.K.	Compact FIN defected ground structure for improved cross polarisation in array antenna	International Journal of Electronics					1.457	10.1080/00207217.2021.2021557
2381	Qiang X., Xiao Q.-R., Khan A., Talebi A.A., Sivaraman A.K., Mojahedfar M.	A Study on Interval-Valued Fuzzy Graph with Application in Energy Industry Management	Discrete Dynamics in Nature and Society	2022				1.457	10.1155/2022/8499577
2382	Santosh Kumar Reddy P.L., Obulesu Y.P.	A non-cascading DC/DC quadratic boost converter with high voltage gain for PV applications	International Journal of Electronics					1.457	10.1080/00207217.2022.2118849

2383	Stango A.X., Vijayalakshmi U.	Optimization of formation of phase pure hydroxyapatite and fabrication of electrochemically stable HAP coatings on 316L SS for orthopedic applications	Asia-Pacific Journal of Chemical Engineering					1.447	10.1002/apj.2801
2384	Selvaraj R., Nagarajan S.	Dimensionality Nanostructures Classification on Scanning Electron Microscopy Images Using Two-Stage Hybrid Classification Algorithm	Nano					1.438	10.1142/S1793292022500576
2385	Sreekanth P.K., Jindal S.K.	Design and Analysis of a Novel MEMS Touch Mode Convex Capacitive Pressure Sensor for Altimeter Applications	Nano					1.438	10.1142/S1793292022501119

2386	Devi G.L., Niranjana H., Sivasankaran S.	Effects of chemical reactions, radiation, and activation energy on MHD buoyancy induced nanoflow past a vertical surface	Scientia Iranica	29	1 B	90	100	1.435	10.24200/sci.2021.56835.4934
2387	Raja S., Rajan A.J.	A Decision-Making Model for Selection of the Suitable FDM Machine Using Fuzzy TOPSIS	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/7653292
2388	Venkatasubramanian S., Raja S., Sumanth V., Dwivedi J.N., Sathiaparkavi J., Modak S., Kejela M.L.	Fault Diagnosis Using Data Fusion with Ensemble Deep Learning Technique in IIoT	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/1682874
2389	Job M.S., Bhateja P.H., Gupta M., Bingi K., Prusty B.R.	Fractional Rectified Linear Unit Activation Function and Its Variants	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/1860779

2390	Bawdekar A.A., Prusty B.R.	Selection of Stationarity Tests for Time Series Forecasting Using Reliability Analysis	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/5687518
2391	Sree Devi K.D., Karthikeyan P., Moorthy U., Deeba K., Maheshwari V., Allayear S.M.	Tumor Detection on Microarray Data Using Grey Wolf Optimization with Gain Information	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/4092404
2392	Subedi B., Sathishkumar V.E., Maheshwari V., Kumar M.S., Jayagopal P., Allayear S.M.	Feature Learning-Based Generative Adversarial Network Data Augmentation for Class-Based Few-Shot Learning	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/9710667
2393	Zhang H., Madhusudanan V., Murthy B.S.N., Srinivas M.N., Adugna B.A.	Fuzzy Analysis of SVIRS Disease System with Holling Type-II Saturated Incidence Rate and Saturated Treatment	Mathematical Problems in Engineering	2022				1.430	10.1155/2022/1330875

2394	Priyanka T.M.C., Valarmathi R., Bingi K., Gowrisankar A.	On Approximation Properties of Fractional Integral for A- Fractal Function	Mathematical Problems in Engineering	2022				1.430	10.1155/2022/640965 6
2395	Liu Z., Madhusudanan V., Srinivas M.N., Nwokoye C.H., Geleto T.D.	An Epidemic Patch-Enabled Delayed Model for Virus Propagation: Towards Evaluating Bifurcation and White Noise	Mathematical Problems in Engineering	2022				1.430	10.1155/2022/376385 8
2396	Kumar T., Sankaran K.S., Ritonga M., Asif S., Sathiya Kumar C., Mohammad S., Sengan S., Asenso E.	Fuzzy Logic and Machine Learning-Enabled Recommendatio n System to Predict Suitable Academic Program for Students	Mathematical Problems in Engineering	2022				1.430	10.1155/2022/529846 8
2397	Sangeetha S.K.B., Mathivanan S.K., Pandi T., Arivu Selvan K., Jayagopal P., Teshite Dalu G.	An Enhanced Triadic Color Scheme for Content-Based Image Retrieval	Mathematical Problems in Engineering	2022				1.430	10.1155/2022/573663 0

2398	Sowmiya N., Gupta N.S., Natarajan E., Valarmathi B., Elamvazuthi I., Parasuraman S., Kit C.A., Freitas L.I., Abraham Gnanamuthu E.M.	COIN: Correlation Index-Based Similarity Measure for Clustering Categorical Data	Mathematical Problems in Engineering	2022				1.430	10.1155/2022/4414784
2399	Bawdekar A.A., Prusty B.R., Bingi K.	Sensitivity Analysis of Stationarity Tests' Outcome to Time Series Facets and Test Parameters	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/2402989
2400	Amritha G., Kanimozhi G., Mohana Sundaram K., Natrayan L., Ramaswamy K.	Modified High Gain DC-DC Converter with APICs for Microgrid	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/7582036
2401	Velmurugan K., Saravanasankar S., Venkumar P., Sudhakarapandian R., Di Bona G.	Availability Analysis of the Critical Production System in SMEs Using the Markov Decision Model	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/6026984
2402	Kuppan A., Ravi Sankar J.	Prime Decomposition of Zero Divisor Graph in a Commutative Ring	Mathematical Problems in Engineering	2022				1.43	10.1155/2022/2152513

2403	Prasad D., Dhanamjayulu C.	A Review of Control Techniques and Energy Storage for Inverter-Based Dynamic Voltage Restorer in Grid-Integrated Renewable Sources	Mathematical Problems in Engineering	2022					1.43	10.1155/2022/6389132
2404	Potturi S., Reddy K.J., Dash R., Jena R., Subburaj V., Dhanamjayulu C.	Direct Torque Control of Induction Motor Using ConvLSTM Based on Gaussian Pillbox Surface	Mathematical Problems in Engineering	2022					1.430	10.1155/2022/4408271
2405	Khadar Babu S.K., Chesneau C., Anthonysamy V., Ravichandaran S., Vasan S.C.	EFFICACY OF THE RICE CROP GROWTH USING DIFFERENT SMOOTHING METHODS	Journal of Applied Analysis and Computation	12	6	2593	2599		1.429	10.11948/20220116
2406	Tang H., Murugusundaramoorthy G., Li S.-H., Ma L.-N.	Fekete-Szegő and Hankel inequalities for certain class of analytic functions related to the sine function	AIMS Mathematics	7	4	6365	6380		1.427	10.3934/math.2022354

2407	Ma Y.-K., Kumar K., Kumar R., Patel R., Shukla A., Vijayakumar V.	Discussion on boundary controllability of nonlocal fractional neutral integrodifferential evolution systems	AIMS Mathematics	7	5	7642	7656	1.427	10.3934/math.2022429
2408	Reddy K.A., Basha S.S.	New classes of reverse super edge magic graphs	AIMS Mathematics	7	3	3590	3602	1.427	10.3934/math.2022198
2409	El-Deeb S.M., Murugusundaramoorthy G., Vijaya K., Alburaikan A.	Certain class of bi-univalent functions defined by quantum calculus operator associated with faber polynomial	AIMS Mathematics	7	2	2989	3005	1.427	10.3934/math.2022165
2410	Shil S., Nashine H.K.	Positive definite solution of non-linear matrix equations through fixed point technique	AIMS Mathematics	7	4	6259	6281	1.427	10.3934/math.2022348



2411	Hashmi M.S., Shikrani R., Nawaz F., Mustafa G., Nisar K.S., Vijayakumar V.	An effective approach based on Hybrid B- spline to solve Riesz space fractional partial differential equations	AIMS Mathematics	7	6	10344	10363	1.427	10.3934/math.202257 6
2412	Ma Y.-K., Raja M.M., Nisar K.S., Shukla A., Vijayakumar V.	Results on controllability for Sobolev type fractional differential equations of order $1 < r < 2$ with finite delay	AIMS Mathematics	7	6	10215	10233	1.427	10.3934/math.202256 8
2413	Murugusundaramo orthy G., Cotîrlă L.-I.	Bi-univalent functions of complex order defined by Hohlov operator associated with legendrae polynomial	AIMS Mathematics	7	5	8733	8750	1.427	10.3934/math.202248 8

2414	Ahsan S., Nawaz R., Akbar M., Abdullah S., Nisar K.S., Vijayakumar V.	Numerical solution of system of fuzzy fractional order Volterra integro-differential equation using optimal homotopy asymptotic method	AIMS Mathematics	7	7	13169	13191	1.427	10.3934/math.2022726
2415	Hussain A., Zia M.K., Nisar K.S., Vijayakumar V., Khan I.	Lie analysis, conserved vectors, nonlinear self-adjoint classification and exact solutions of generalized (N + 1)-dimensional nonlinear Boussinesq equation	AIMS Mathematics	7	7	13139	13168	1.427	10.3934/math.2022725
2416	Farman M., Ahmad A., Akgül A., Saleem M.U., Nisar K.S., Vijayakumar V.	Dynamical behavior of tumor-immune system with fractal-fractional operator	AIMS Mathematics	7	5	8751	8773	1.427	10.3934/math.2022489

2417	Cho N.E., Murugusundaramoorthy G., Karthikeyan K.R., Sivasubramanian S.	Properties of $\lambda$ -pseudo-starlike functions with respect to a boundary point	AIMS Mathematics	7	5	8701	8714	1.427	10.3934/math.2022486
2418	Kavitha K., Vijayakumar V., Nisar K.S., Shukla A., Albalawi W., Abdel-Aty A.-H.	Existence and controllability of Hilfer fractional neutral differential equations with time delay via sequence method	AIMS Mathematics	7	7	12760	12780	1.427	10.3934/math.2022706
2419	Ma Y.-K., Kumar K., Patel R., Shukla A., Nisar K.S., Vijayakumar V.	An investigation on boundary controllability for Sobolev-type neutral evolution equations of fractional order in Banach space	AIMS Mathematics	7	7	11687	11707	1.427	10.3934/math.2022651
2420	Ramamurthy K., Varikuti A.R., Gupta B., Aswani N.	A deep learning network for Gleason grading of prostate biopsies using EfficientNet	Biomedizinische Technik					1.426	10.1515/bmt-2022-0201

2421	Singh A., Vijayakumar V., Shukla A., Chauhan S.	A Note on Asymptotic Stability of Semilinear Thermoelastic System	Qualitative Theory of Dynamical Systems	21	3			1.419	10.1007/s12346-022- 00607-9
2422	Kavitha K., Vijayakumar V.	An Analysis Regarding to Approximate Controllability for Hilfer Fractional Neutral Evolution Hemivariational Inequality	Qualitative Theory of Dynamical Systems	21	3			1.419	10.1007/s12346-022- 00611-z
2423	Reddy A.P., Vijayarajan V.	Fusion Based AER System Using Deep Learning Approach for Amplitude and Frequency Analysis	ACM Transactions on Asian and Low-Resource Language Information Processing	21	3			1.413	10.1145/3488369
2424	Najjari A., Mehdinavaz Aghdam R., Ebrahimi S.A.S., Suresh K S., Krishnan S., Shanthi C., Ramalingam M.	Smart piezoelectric biomaterials for tissue engineering and regenerative medicine: A review	Biomedizinisch e Technik					1.411	10.1515/bmt-2021- 0265

2425	Shankar Narayan S., Anuradha B., Sunanda S., Puneeth V., Ijaz Khan M., Abdullah A., Guedri K., Jameel M.	A mathematical model that describes the relation of low- density lipoprotein and oxygen concentrations in a stenosed artery	International Journal of Modern Physics B					1.404	10.1142/S021797922 2501739
2426	Ramasekhar G., Reddy P.B.A.	Numerical analysis of significance of multiple shape factors in Casson hybrid nanofluid flow over a rotating disk	International Journal of Modern Physics B					1.404	10.1142/S021797922 3501138
2427	Ravikumar A., Sriraman H., Saketh P.M.S., Lokesh S., Karanam A.	Effect of neural network structure in accelerating performance and accuracy of a convolutional neural network with GPU/TPU for image analytics	PeerJ Computer Science	8				1.392	10.7717/PEERJ-CS.909
2428	Kirthika A.M.A., Rao M.N., Manivasagam G.	Duplex aging of metastable beta titanium alloys: A Review	Transactions of the Indian Institute of Metals					1.391	10.1007/s12666-022- 02696-1

2429	Praveen Kumar D., Vinoth Jebaraj A.	Role of Volumetric Energy Density and Post-Heat Treatments to Achieve Stable Microstructure on Additive Manufactured Ti6Al4V Alloy	Transactions of the Indian Institute of Metals					1.391	10.1007/s12666-022-02688-1
2430	Shukla R., Prashanth K.G.	Ti6Al4V Coating on 316L Substrate by Laser-based Fusion Process	Transactions of the Indian Institute of Metals					1.391	10.1007/s12666-022-02748-6
2431	Thangamani J., Krishnasamy P.	Coated Natural Fiber Reinforced Hybrid Composite: Mechanical, Thermal, and Acoustic Performances	Transactions of the Indian Institute of Metals					1.391	10.1007/s12666-022-02729-9
2432	Ma P., Yang Z., Fang L., Zhang Z., Fang Y., Zhang N., Prashanth K.G., Jia Y.	Microstructure and Tribological Behavior of Fe-Based Amorphous Alloy Fabricated by Plasma Spraying and Laser Remelting	Transactions of the Indian Institute of Metals					1.391	10.1007/s12666-022-02814-z

2433	Kumar B.S., Balakrishnan S.	Two-Qubit Operators in No- Splitting Theorems	Foundations of Physics	52	3			1.390	10.1007/s10701-022- 00577-7
2434	Kumar G.N., Gundabattini E.	Irreversibility analysis of various components in a supercritical thermal power plant	International Journal of Exergy	37	3	313	336	1.383	10.1504/IJEX.2022.12 0894
2435	Divya J., Selvendran S.	A novel plasmonic sensor using solid core D- shaped negative curvature optical fiber with AU- TiO2 layer	Laser Physics	32	11			1.38	10.1088/1555- 6611/ac967f
2436	Radhouene M., Gharsallah Z., Balaji V.R., Najjar M., Robinson S., Janyani V., Murugan M., Hegde G., Sridarshini T.	Design and analysis of a channel drop filter and demultiplexer based on a photonic crystal super ellipse- shaped ring resonator	Laser Physics	32	11			1.38	10.1088/1555- 6611/ac8fe4

2437	Geerthana S., Syedakbar S., Sridarshini T., Balaji V.R., Sitharthan R., Shanmuga Sundar D.	2D- PhC based all optical AND, OR and EX-OR logic gates with high contrast ratio operating at C band	Laser Physics	32	10			1.38	10.1088/1555- 6611/ac8c3e
2438	Devaraj S., Yarrakula K., Martha T.R., Murugesan G.P., Vaka D.S., Surampudi S., Wadhwa A., Loganathan P., Budamala V.	Time series SAR interferometry approach for landslide identification in mountainous areas of Western Ghats, India	Journal of Earth System Science	131	2			1.371	10.1007/s12040-022- 01876-3
2439	Premkumar R., Babu C.R., Athira V.S., Bahurudeen A., Shanmugasundaram M.	Influence of ultrafine steatite powder on the mechanical and durability properties of alkali-activated concrete	Proceedings of the Institution of Civil Engineers: Engineering Sustainability					1.368	10.1680/jensu.21.001 03
2440	Sivadas N.A.	PAPR reduction of OFDM systems using H-SLM method with a multiplierless IFFT/FFT technique	ETRI Journal					1.347	10.4218/etrij.2020- 0316



2441	Eappen G., Cosmas J., Shankar T., Rajesh A., Nilavalan R., Thomas J.	Deep learning integrated reinforcement learning for adaptive beamforming in B5G networks	IET Communications					1.345	10.1049/cmu2.12501
2442	Kumar A., Althuwayb A.A., Chaturvedi D., Kumar R., Ahmadfard F.	Compact planar magneto-electric dipole-like circularly polarized antenna	IET Communications					1.345	10.1049/cmu2.12499
2443	Sofia I.R., Ghosh M.	Mathematical modeling of smoking habits in the society	Stochastic Analysis and Applications					1.344	10.1080/07362994.2022.2093223
2444	Boggarapu L., K S.P.K., M P., Lakshmi B.	Design of universal logic gates using homo and hetero-junction double gate TFETs with pseudo-derived logic	International Journal of Electronics					1.336	10.1080/00207217.2021.2025456
2445	Sri Revathi B., Joseph Samuel V., Mahalingam P.	High step-up DC-DC converter based on double self-lift switched-coupled-inductor	International Journal of Electronics					1.336	10.1080/00207217.2022.2059820

2446	Subasree S., Sakthivel N.K., Balasaraswathi V.R., Tyagi A.K.	Selection of Optimal Thresholds in Multi-Level Thresholding Using Multi- Objective Emperor Penguin Optimization for Precise Segmentation of Mammogram Images	Journal of Circuits, Systems and Computers					1.333	10.1142/S021812662 2501316
2447	Karunanithi K., Raja S.P., Ramesh S., Karthikumar K., Chandrasekar P., Rani K.A.	Investigations on Off-Grid Hybrid Renewable Energy Microgrid for Sustainable Development Growth	Journal of Circuits, Systems and Computers					1.333	10.1142/S021812662 2300033
2448	Ramesh S., Vijaya Bhaskar K., Karunanithi K., Ettappan M., Chandrasekar P., Raja S.P.	An Improved Multi Objective Mayfly Algorithm for Solving Optimal Power Flow Problem Considering Different Loading Conditions	Journal of Circuits, Systems and Computers					1.333	10.1142/S021812662 2501778

2449	Stanly Jayaprakash J., Jasmine Pemeena Priyadarsini M., Parameshachari B.D., Karimi H.R., Gurumoorthy S.	Deep Q-Network with Reinforcement Learning for Fault Detection in Cyber-Physical Systems	Journal of Circuits, Systems and Computers					1.333	10.1142/S0218126622501584
2450	Rai V.K., Sakthivel R.	Neuron Network with a Synapse of CMOS transistor and Anti-Parallel Memristors for Low power Implementations	Journal of Circuits, Systems and Computers					1.333	10.1142/S0218126622502061
2451	Pradeepkumar Duraisamy S., Geetha S., Cheng X., Kadry S.	On Shielding Android's Pending Intent from Malware Apps Using a Novel Ownership-Based Authentication	Journal of Circuits, Systems and Computers					1.333	10.1142/S0218126622502243

2452	Kumar S.S., Pandian R.S., Pitchipoo P., Senthilkumar T.S., Ponnambalam S.G.	Investigation of Wear and Wire Electrical Discharge Machining Characteristics of Al-Mg-MoS <sub>2</sub> Composites Using Response Surface Method	Journal of Testing and Evaluation	51	2	1	30	1.333	10.1520/JTE20220327
2453	Rohit B., Muktinutalapati N.R.	Influence of Reverted Austenite on Tensile Deformation and Fracture in 18Ni 250 Maraging Steel	Journal of Testing and Evaluation	51	2			1.333	10.1520/JTE20220122
2454	Suresh P.K.	Refined cancer stem cells-enriched lung cancer model systems: Cross-talk and fine-tuning Notch1 inhibition	Journal of Cancer Research and Therapeutics	18	3	866	867	1.331	10.4103/jcrt.JCRT_807_20

2455	Jeyaram R.A., Radha C.A.	Investigation on the Binding Properties of N1 Neuraminidase of H5N1 Influenza Virus in Complex with Fluorinated Sialic Acid Analog Compounds—a Study by Molecular Docking and Molecular Dynamics Simulations	Brazilian Journal of Physics	52	1			1.326	10.1007/s13538-021-01009-z
2456	Jadhav P.S., Mohanty C.P.	Comparative analysis of indirect, direct, and hybrid cryogenic machining of Nimonic C-263 superalloy	Journal of Engineering Research (Kuwait)	10	4	266	287	1.325	10.36909/jer.11687

2457	Udhaya Lavinya B., Aline U.R., Ram Kumar K., Sangeetha N., Manisha P., Sabina E.P.	Supplementation with $\beta$ -carotene aids minimize inflammation in monosodium urate crystal- induced gouty arthritis in Wistar albino rats	Brazilian Journal of Pharmaceutical Sciences	58				1.321	10.1590/s2175- 97902020000118690
2458	Latha P., Sivakumar R., Rao Y.V.R., Ko S.- B.	Novel nonlinearity minimized time- to-digital converters with digital calibration technique	Analog Integrated Circuits and Signal Processing					1.321	10.1007/s10470-022- 02065-4
2459	Muthu S.M., Arivazhagan N., Rao M.N., Arivarasu M.	Oxidation and Hot Corrosion Behaviour of Ni- Based Superalloy 825 and AISI 321 Dissimilar Laser Weldment in K <sub>2</sub> SO <sub>4</sub> -60% NaCl Molten Salt Environment at 650°C	Physics of Metals and Metallography					1.319	10.1134/S0031918X2 1100525

2460	Ashish Kumar Saxena, Telrandhe S., Harshavardhana N.	Mathematical Modelling for Understanding the Effect of Stress State on Relative Slip Activity in HCP Titanium	Physics of Metals and Metallography					1.319	10.1134/S0031918X21100501
2461	Shaw M., Choukiker Y.K.	Conformal microstrip array antenna with the omnidirectional pattern for 5G applications	Microwave and Optical Technology Letters					1.311	10.1002/mop.33414
2462	Kangeyan R., Karthikeyan M.	Implantable dual band semi-circular slotted patch with DGS antenna for biotelemetry applications	Microwave and Optical Technology Letters					1.311	10.1002/mop.33462
2463	Khouser G.H., Choukiker Y.K.	Design of negative refractive index 3D metamaterial split ring resonator for IoT applications	Microwave and Optical Technology Letters					1.311	10.1002/mop.33443

2464	Chandra A., Mishra N., Kumar R., Kumar K., Patil H.Y.	A superstrate and FSS embedded dual band waveguide aperture array with improved far-field characteristics	Microwave and Optical Technology Letters					1.311	10.1002/mop.33492
2465	Ashok Kumar L., Indragandhi V., Teekaraman Y., Kuppusamy R., Radhakrishnan A.	Design and Implementation of Automatic Water Spraying System for Solar Photovoltaic Module	Mathematical Problems in Engineering	2022				1.305	10.1155/2022/7129610
2466	Sarin C.R., Mani G., Stonier A.A., Arivarasu M., Samikannu R., Murugesan S.	Multithreaded Multiswarm Model for Intelligent Economic Prosumer Load Dispatch for Battery Supported DC Microgrid	Mathematical Problems in Engineering	2022				1.305	10.1155/2022/7739945



2467	Belarmin Xavier C.S., Abdul Rahim A.	Metaheuristic Approach to Resolve the Real-World Problem of Binder in Concrete by Synthesizing Natural Iron-Rich Binder System Using Chemical Activation	Mathematical Problems in Engineering	2022				1.305	10.1155/2022/5062445
2468	Sushmi N.B., Subbulekshmi D.	Performance Analysis of FFBP-LM-ANN Based Hourly GHI Prediction Using Environmental Variables: A Case Study in Chennai	Mathematical Problems in Engineering	2022				1.305	10.1155/2022/1713657
2469	Angalaeswari S., Jamuna K., Mohana Sundaram K., Natrayan L., Ramesh L., Ramaswamy K.	Power-Sharing Analysis of Hybrid Microgrid Using Iterative Learning Controller (ILC) considering Source and Load Variation	Mathematical Problems in Engineering	2022				1.305	10.1155/2022/7403691

2470	Tripathy D.S., Prusty B.R., Bingi K.	A k-nearest neighbor-based averaging model for probabilistic PV generation forecasting	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields					1.296	10.1002/jnm.2983
2471	Somakumar R., Kasinathan P., Monicka G., Rajagopalan A., Ramachandramurthy V.K., Subramaniam U.	Optimization of emission cost and economic analysis for microgrid by considering a metaheuristic algorithm-assisted dispatch model	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields					1.296	10.1002/jnm.2993
2472	Van An L., Tamilvanan K., Udhayakumar R., Kabeto M.J., Van Ngoc L.	Ulam-Hyers Stability Results of $\lambda$ -Quadratic Functional Equation with Three Variables in Non-Archimedean Banach Space and Non-Archimedean Random Normed Space	Journal of Function Spaces	2022				1.281	10.1155/2022/6795978

2473	Sheriff I.M., Sakthivel R.	Mathematical and Circuit Level Analysis Interpretation and Recommendatio ns on Neuron Models	Journal of Circuits, Systems and Computers	31	12			1.278	10.1142/S021812662 2300082
2474	Kumaravelu V.B., Gudla V.V., Murugadass A., Jadhav H., Prakasam P., Imoize A.L.	A Deep Learning- Based Robust Automatic Modulation Classification Scheme for Next- Generation Networks	Journal of Circuits, Systems and Computers					1.278	10.1142/S021812662 3500676
2475	Sreekanth P.K., Jindal S.K.	Characteristic Analysis of a Square Diaphragm Capacitive Pressure Sensor with Linkage Film	Journal of Circuits, Systems and Computers					1.278	10.1142/S021812662 350130X
2476	Sumathi M., Rajkamal M., Raja S.P., Venkatachalapathy M., Vijayaraj N.	A crop yield prediction model based on an improved artificial neural network and yield monitoring using a blockchain technique	International Journal of Wavelets, Multiresolution and Information Processing					1.276	10.1142/S021969132 2500308

2477	Periyanayagi S., Gnana Priya G., Chandrasekar T., Sumathy V., Raja S.P.	Artificial intelligence and IoT-based biomedical sensors for intelligent cattle husbandry systems	International Journal of Wavelets, Multiresolution and Information Processing					1.276	10.1142/S021969132 2500266
2478	Jayabarathi T., Raghunathan T., Sanjay R., Jha A., Mirjalili S., Cherukuri S.H.C.	Hybrid Grey Wolf Optimizer Based Optimal Capacitor Placement in Radial Distribution Systems	Electric Power Components and Systems					1.276	10.1080/15325008.20 22.2132556
2479	Thirugnanasamband am K., Rajeswari M., Bhattacharyya D., Kim J.-Y.	Directed Artificial Bee Colony algorithm with revamped search strategy to solve global numerical optimization problems	Automated Software Engineering	29	1			1.273	10.1007/s10515-021- 00306-w

2480	Muthusamy L.P., Periyasamy A.P., Militky J., Thangasamy P.R.	Adaptive Neuro-Fuzzy Inference System to Predict the Release of Microplastic Fibers during Domestic Washing	Journal of Testing and Evaluation	50	1			1.264	10.1520/JTE20210175
2481	Vasanth Kumar D., Raja D., Kumar K.V.	Effect of stretching on the air permeability of recycled polyester/virgin cotton and its blended socks	Journal of Testing and Evaluation	50	1			1.264	10.1520/JTE20200398
2482	Vijayakumar C.R., Balasubramani D.P., Azamathulla H.M.	Assessment of groundwater quality and human health risk associated with chromium exposure in the industrial area of Ranipet, Tamil Nadu, India	Journal of Water Sanitation and Hygiene for Development	12	1	58	67	1.250	10.2166/washdev.2021.260

2483	Krishnasamy P., Geetha M., Rajamurugan G., Muralidharan B., Krishnaiah R.	DRILLING PARAMETRIC ANALYSIS OF PERFORATED COPPER FOIL ON HEMP/SISAL FIBER COMPOSITE USING SEQUENTIAL ANN	Surface Review and Letters					1.24	10.1142/S0218625X2 2501359
2484	Sure J., Vishnu D.S.M., Kamachi Mudali U.	CORROSION PERFORMANCE of PLASMA SPRAYED ALUMINA-40 wt.% TITANIA COATED HIGH- DENSITY GRAPHITE in MOLTEN LiCl-KCl EUTECTIC SALT	Surface Review and Letters					1.24	10.1142/S0218625X2 2400030
2485	Selvaraj S.K., Kaliappan J., Kumar S.R., Prakash C., Buddhi D., Gupta L.R., Hadidi H.M.	PREDICTION of NANO-COATED TOOL WEAR USING BAT and WHALE OPTIMIZATION ALGORITHMS	Surface Review and Letters					1.24	10.1142/S0218625X2 2501529
2486	Muthuselvi G., Saravanan B.	Clustering-based Energy-aware Scheduling of Smart Residential Area	Advances in Electrical and Computer Engineering	22	1	95	101	1.221	10.4316/AECE.2022.0 1011

2487	Ratnam M.V., Vangalapati M., Rao K.N., Chandra K.R.	EFFICIENT REMOVAL OF METHYL ORANGE USING MAGNESIUM OXIDE NANOPARTICLES LOADED ONTO ACTIVATED CARBON	Bulletin of the Chemical Society of Ethiopia	36	3	531	544	1.218	10.4314/bcse.v36i3.4
2488	Somasundaram M., Kumar J.P.	Multi response optimization of EDM process parameters for biodegradable AZ31 magnesium alloy using TOPSIS and grey relational analysis	Sadhana - Academy Proceedings in Engineering Sciences	47	3			1.214	10.1007/s12046-022- 01908-0
2489	Pandav S., Sadhukhan G., Das T.K., Behera S.K., Mohanty M.	Circularly polarized high gain Koch fractal antenna for space applications	Sadhana - Academy Proceedings in Engineering Sciences	47	4			1.214	10.1007/s12046-022- 02047-2

2490	Pradeepa S., Srinivasan J.P., Anandalakshmi R., Subbulakshmi P., Vimal S., Tarik A.	FREEDOM: Effective Surveillance and Investigation of Water-borne Diseases from Data-centric Networking Using Machine Learning Techniques	International Journal on Artificial Intelligence Tools					1.208	10.1142/S021821302 250004X
2491	Lingampally P.K., Doss A.S.A., Kadiyam V.R.	Wearable neck assistive device strain evaluation study on surface neck muscles for head/neck movements	Technology and health care : official journal of the European Society for Engineering and Medicine	30	6	1503	1513	1.205	10.3233/THC-220101
2492	Agathiyan A., Gowrisankar A., Priyanka T.M.C.	Construction of New Fractal Interpolation Functions Through Integration Method	Results in Mathematics	77	3			1.199	10.1007/s00025-022- 01666-9
2493	Kothandaraman R., Andavar S., Raj R.S.P.	A Hybrid Feature Ranking Algorithm for Assisted Reproductive Technology Outcome Prediction	Brazilian Archives of Biology and Technology	65				1.18	10.1590/1678-4324- 2022210605



2494	Debnath S., Roy A.K., Béq O.A.	Reactive solute transport in blood flow through a permeable capillary	Archives of Mechanics	74	02-Mar	173	200	1.18	10.24423/aom.3955
2495	Prakaash A.S., Sivakumar K., Surendiran B., Jagatheswari S., Kalaiarasi K.	Design and Development of Modified Ensemble Learning with Weighted RBM Features for Enhanced Multi-disease Prediction Model	New Generation Computing					1.180	10.1007/s00354-022-00190-2
2496	Gopalan V., Sampantham A., Govindaraman L.T., Pragasam V., Chinnaiyan P.	Investigations on Tensile and Flexural Behaviours of Fly Ash / Coir Reinforced Polymer Matrix Composites	Brazilian Archives of Biology and Technology	65				1.180	10.1590/1678-4324-2022210473

2497	Alagarsamy S., James V., Raj R.S.P.	An Experimental Analysis of Optimal Hybrid Word Embedding Methods for Text Classification Using a Movie Review Dataset	Brazilian Archives of Biology and Technology	65				1.180	10.1590/1678-4324- 2022210830
2498	Roy P.K., Tripathy A.K., Singh S.K., Li K.- C.	Recent Advancements in Privacy-aware Protocols of Source Location Privacy in Wireless Sensor Networks: a Survey	Computer Science and Information Systems	19	2	857	886	1.17	10.2298/CSIS2110090 07R
2499	Balamurugan R., Raja S.P.	MSR-based algorithms for biclustering of microarray gene expression data	Current Science	123	4	530	541	1.169	10.18520/cs/v123/i4/ 530-541
2500	Simant K., Venkataraman K.	Interleukin-6, a major player of cytokine storm in COVID-19 and its alleviation by therapeutic antibodies	Current Science	123	6	745	753	1.169	10.18520/cs/v123/i6/ 745-753

2501	Rajasekarababu K.B., Vinayagamurthy G., Rajan S.S.	Evaluation of CFD URANS Turbulence Models for the Building under Environmental Wind Flow with Experimental Validation	Journal of Applied Fluid Mechanics	15	5	1387	1401	1.152	10.47176/jafm.15.05.33448
2502	Suresh P.K.	Saponins-uptake and Targeting Issues for Brain-specific Delivery for Enhanced Cell Death Induction in Glioblastoma	Letters in Drug Design and Discovery	19	6	473	480	1.150	10.2174/1570180819666220121145332
2503	Jagannath M., Adalarasu K., Keerthik Dhivya R.	Neural correlates of guilt knowledge analysis using electroencephalographic technique	Journal of Forensic Psychiatry and Psychology					1.148	10.1080/14789949.2022.2042360
2504	Sundar R.D.V., Arunachalam S.	Tradescantia pallida, a natural alternative against vancomycin-resistant Enterococci	Bangladesh Journal of Pharmacology	17	4	154	156	1.143	10.3329/bjp.v17i4.62162

2505	Raut S., Roy S., Saha S., Das A.N.	Studies on the Dust-Ion-Acoustic Solitary Wave in Planar and Non-Planar Super-Thermal Plasmas with Trapped Electrons	Plasma Physics Reports	48	6	627	637	1.133	10.1134/S1063780X22100038
2506	Kumaar P., Sivabramanian A.	Design and Bulk Sensitivity Analysis of a Silicon Nitride Photonic Biosensor for Cancer Cell Detection	International Journal of Optics	2022				1.072	10.1155/2022/6085833
2507	Lokesh Reddy B., Nelleri A.	Single-Pixel Compressive Digital Holographic Encryption System Based on Circular Harmonic Key and Parallel Phase Shifting Digital Holography	International Journal of Optics	2022				1.072	10.1155/2022/6298010

2508	Selva Kumar S., Kamalakannan J., Seetha R., Asha N., Raja K.T., Sree Dharinya S., Sucharitha M., Kalaivani S.	The Effectual Spectrum Defragmentation Algorithm with Holding Time Sensitivity in Elastic Optical Network (EON)	International Journal of Optics	2022				1.072	10.1155/2022/816005 4
2509	Muneappa Reddy J., Rajaram T., Xu Y.	Modal Analysis on Control Impact of Fully Rated Converters- Based PMSG- WECS Connected to Turbine- Generator	Electric Power Components and Systems					1.071	10.1080/15325008.20 22.2049652
2510	Praiselin W.J., Edward J.B.	Enhancement of Power-Sharing Using Multivariable Angle Droop Control for Inverter Interfaced Distributed Generations in a Micro-Grid	Journal of Electrical Engineering and Technology					1.069	10.1007/s42835-022- 01125-z

2511	Das N., Shende A.P., Mandal S.K., Ojha N.	Biologia Futura: treatment of wastewater and water using tannin-based coagulants	Biologia Futura					1.069	10.1007/s42977-022-00128-1
2512	Nair S., Abraham J.	Bioproduction and Characterization of Pigments from Streptomyces sp. Isolated from Marine Biotope	Applied Biochemistry and Microbiology	58	6	701	714	1.065	10.1134/S0003683822060114
2513	Dwivedi R.P., Kiran Kommuri U., Das S., Lakrit S., Goyal V.	Design of low profile high gain antenna using loop-based wideband artificial magnetic conductor for UWB applications	International Journal of Microwave and Wireless Technologies					1.064	10.1017/S175907872200037X
2514	Lathabhavan R., Joy G.V., Sudevan S.	Mental Health Concerns of Dowry Harassment Survivors in India: A Multi-Level Mixed Method Study	Journal of Loss and Trauma					1.063	10.1080/15325024.2022.2062904

2515	Prathilothamai M., Viswanathan V.	Traffic Prediction System Using IoT Cluster Based Evolutionary Under Sampling Approach	International Journal on Artificial Intelligence Tools					1.059	10.1142/S0218213022400243
2516	Sadasivan S., Arumugam S.K., Aggarwal M.C.	Computational study of combined effects of tip leakage jets and wetness on the performance of steam turbine exhaust system using actuator disc model	Progress in Computational Fluid Dynamics	22	2	94	104	1.048	10.1504/PCFD.2022.121852
2517	Firouzi A., Yazdani S., Tavangar R., Shakerifard B., Mohammad F.K.	Austempering of PM HSS ASP2030 for improved fracture toughness	Metallurgical Research and Technology	119	2			1.035	10.1051/metal/2022025

2518	Hiremath V.S., Reddy D.M.	Effect of ply orientation and laminate thickness on carbon fibre reinforced polymers under low-velocity impact [Einfluss der Gewebeorientierung und Laminatdicke auf kohlenstofffaserverstärkte Polymere unter Stoßbeanspruchung mit niedriger Geschwindigkeit]	Materialwissenschaft und Werkstofftechnik	53	10	1290	1297	1.034	10.1002/mawe.202200087
2519	Nandhini Abirami R., Durai Raj Vincent P.M., Rajinikanth V., Kadry S.	COVID-19 Classification Using Medical Image Synthesis by Generative Adversarial Networks	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	30	3	385	401	1.027	10.1142/S0218488522400128



2520	Chakriswaran P., Vincent D.R., Kadry S.	Ensemble of Artificial Intelligence Techniques for Bacterial Antimicrobial Resistance (AMR) Estimation Using Topic Modeling and Similarity Measure	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	30	3	541	565	1.027	10.1142/S0218488522400207
2521	Sathyaraj R., Kanthavel R., Cavaliere L.P.L., Vyas S., Maheswari S., Gupta R.K., Raja M.R., Dhaya R., Gupta M.K., Sengan S.	Analysis on Prediction of COVID-19 with Machine Learning Algorithms	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	30		67	82	1.027	10.1142/S0218488522400049
2522	David H.B.F., Suruliandi A., Raja S.P.	Predicting Corona Virus Affected Patients Using Supervised Machine Learning	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	30		141	167	1.027	10.1142/S0218488522400086

2523	Anam M., Setiawan R., Chinnappan S.K., Nik Hashim N.A.A., Mehbodniya A., Bhargava C., Sharma P.K., Phasinam K., Subramaniaswamy V., Sengan S.	Analyzing the Impact of Lockdown in Controlling COVID-19 Spread and Future Prediction	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	30		83	109	1.027	10.1142/S0218488522400050
2524	Abinaya S., Kavitha Devi M.K., Sheryl Alphonse A.	Enhancing Context-Aware Recommendation Using Hesitant Fuzzy Item Clustering by Stacked Autoencoder Based Smoothing Technique	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	30	4	595	624	1.027	10.1142/S0218488522500155
2525	Rajmohan R., Kumar T.A., Julie E.G., Robinson Y.H., Vimal S., Kadry S., Crespo R.G.	G-Sep: A Deep Learning Algorithm for Detection of Long-Term Sepsis Using Bidirectional Gated Recurrent Unit	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	30		1	29	1.027	10.1142/S0218488522400013

2526	Pavithra E., Janakiramaiah B., Prasad L.V.N., Deepa D., Jayapandian N., Sathishkumar V.E.	Visiting Indian Hospitals Before, during and after COVID	International Journal of Uncertainty, Fuzziness and Knowledge- Based Systems	30		111	123	1.027	10.1142/S021848852 2400062
2527	Suganya G., Premalatha M., Geetha S., Chowdary G.J., Kadry S.	Detection of COVID-19 Cases from Chest X- Rays using Deep Learning Feature Extractor and Multilevel Voting Classifier	International Journal of Uncertainty, Fuzziness and Knowledge- Based Systems	30	5	773	793	1.027	10.1142/S021848852 2500222
2528	Dinesh Kumar R., Golden Julie E., Harold Robinson Y., Vimal S., Dhiman G., Veerasingam M.	Deep Convolutional Nets Learning Classification for Artistic Style Transfer	Scientific Programming	2022				1.025	10.1155/2022/203874 0
2529	Aishwarya K., Lakshmi B.	Radiation study of TFET and JLFET- based devices and circuits: a comprehensive review on the device structure and sensitivity	Radiation Effects and Defects in Solids					1.024	10.1080/10420150.20 22.2133708

2530	Sabtharishi S., Thangaraj S.R., McCulloch G.A., Chandel R.K., Singh S.K., Subbarayalu M.	Contrasting prevalence of Wolbachia infection across three key stored product beetles in India	International Journal of Tropical Insect Science					1.02	10.1007/s42690-022- 00877-5
2531	Loganathan A., Nachimuthu R.	Antibiotic resistance, biofilm forming ability, and clonal profiling of clinical isolates of Staphylococcus aureus from southern and northeastern India	Asian Biomedicine	16	4	191	199	1.017	10.2478/abm-2022- 0023
2532	Saveetha P., Robinson Y.H., Shanmuganathan V., Kadry S., Nam Y.	Hybrid Energy- based Secured clustering technique for Wireless Sensor Networks	Journal of Internet Technology	23	1	21	31	1.005	
2533	Weslin D., Joshva Devadas T.	Extricating web pages from deep web using deaima architecture	Theoretical Computer Science					1.002	10.1016/j.tcs.2022.07. 033

2534	Selvakumar M., Nandagopal P., Naveen Kumar M., Aditya N.P., Solomon S.S., Saravanan S., Syed Iqbal H.	Performance characteristics of two new rapid HIV diagnostic assays and use of test band reader	Indian Journal of Medical Microbiology					0.985	10.1016/j.ijmmb.2022.05.011
2535	Gupta G., Ashok Kumar A., Sivakumar R., Kandasamy J.	CFD investigation of shock boundary layer interaction in hypersonic flow and flow control using micro ramps	Aircraft Engineering and Aerospace Technology					0.975	10.1108/AEAT-04-2020-0069
2536	Somashekar V., Immanuel Selwynraj A.	Numerical study of unmanned aerial vehicle (UAV) in dry microburst environment using large eddy simulation (LES) model	Aircraft Engineering and Aerospace Technology					0.975	10.1108/AEAT-10-2021-0308

2537	Kumar N., Sangeetha D., Reddy S.J., Kalayanaraman L.	Implementation of Quality by Design Methodology in Development and Validation of a New Stability-Indicating, Reverse Phase High-Performance Liquid Chromatography Method for the Rapid Estimation of Piribedil in Piribedil Prolonged Release Tablets	Indian Journal of Pharmaceutical Sciences	84	1	207	218	0.975	10.36468/pharmaceutical-sciences.912
2538	V S., A I.S.	Aerodynamic study of low Reynolds number airfoil and mini-unmanned aerial vehicle in simulated rain environment	Aircraft Engineering and Aerospace Technology					0.975	10.1108/AEAT-12-2021-0379

2539	Rajesh M., Sivakumar R.	LES predictions of confinement effect on swirling flow generated by single helical axial swirler	Aircraft Engineering and Aerospace Technology					0.975	10.1108/AEAT-11-2021-0348
2540	Krishnaraj A., Ganesan V.	Influence of slot profiles on the characteristics of jets	Aircraft Engineering and Aerospace Technology					0.975	10.1108/AEAT-02-2022-0032
2541	Somashekar V., Immanuel Selwynraj A.	Experimental and numerical study on heatwave effect over an airfoil for unmanned aerial vehicle applications	Aircraft Engineering and Aerospace Technology					0.975	10.1108/AEAT-12-2021-0388
2542	Fareena N., Yogesh C., Selvakumar K., Sai Ramesh L.	Google Play Malware Detection based on Search Rank Fraud Approach	KSII Transactions on Internet and Information Systems	16	11	3723	3737	0.972	10.3837/tiis.2022.11.014
2543	Sony P., Nagarajan S.	Semantic Interoperability Model in Healthcare Internet of Things Using Healthcare Sign Description Framework	International Arab Journal of Information Technology	19	4	589	596	0.967	10.34028/iajit/19/4/3

2544	Nti I.K., Adekoya A.F., Narko-Boateng O., Somanathan A.R.	Stacknet Based Decision Fusion Classifier for Network Intrusion Detection	International Arab Journal of Information Technology	19	Special Issue 3A	478	490	0.967	10.34028/iajit/19/3A/8
2545	Elumalai G., Ganesan M.	Deep Learning Based Hand Wrist Segmentation using Mask R-CNN	International Arab Journal of Information Technology	19	5	785	792	0.967	10.34028/IAJIT/19/5/10
2546	Narayanan L., Krishnan S., Robinson H.	A Hybrid Deep Learning Based Assist System for Detection and Classification of Breast Cancer from Mammogram Images	International Arab Journal of Information Technology	19	6	965	974	0.967	10.34028/iajit/19/6/15
2547	Sundaramoorthy R., Nalliah Moviri C.	On $(a, d)$ -edge local antimagic coloring number of graphs	Turkish Journal of Mathematics	46	Special Issue 2	1994	2002	0.954	10.55730/1300-0098.3247
2548	Mohan Raja M., Shukla A., Nieto J.J., Vijayakumar V., Nisar K.S.	A Note on the Existence and Controllability Results for Fractional Integrodifferential Inclusions of Order $r \in (1, 2]$ with Impulses	Qualitative Theory of Dynamical Systems	21	4			0.931	10.1007/s12346-022-00681-z



2549	Sundar R.D.V., Arunachalam S.	Anti-MRSA activity of Pollianthes tuberosa leaf extracts	Bangladesh Journal of Pharmacology	17	1	11	13	0.930	10.3329/bjp.v17i1.57 727
2550	Rajamani S., Reddy A.S., Srinivas S., Ramamohan T.R.	Impacts of Brownian Motion, Thermophoresis and Ohmic Heating on Chemically Reactive Pulsatile MHD Flow of Couple Stress Nanofluid in a Channel	Indian Journal of Pure and Applied Physics	60	4	354	366	0.923	
2551	Venkatesan G., Reddy A.S.	Influences of Cattaneo- Christov Heat Flux, Joule Heating, Viscous Dissipation and Chemical Reaction on Hydromagnetic Pulsating Flow of Oldroyd-B Nanofluid in a Porous Channel	Indian Journal of Pure and Applied Physics	60	5	437	448	0.923	

2552	Balireddy S.N., Pitchaimani J., Mailan Chinnapandi L.B., Chintapalli V.S.N.R.	Acoustic Response of an Isotropic Beam under Axially Variable Loads Using Ritz and Rayleigh Integral Methods	Archives of Acoustics	47	1	97	112	0.913	10.24425/aoa.2022.1 40736
2553	C C., Sasidhar K., Madhumathi A.	Energy-efficient retrofitting with exterior shading device in hot and humid climate—case studies from fully glazed multi- storied office buildings in Chennai, India	Journal of Asian Architecture and Building Engineering					0.904	10.1080/13467581.20 22.2145208
2554	Kumar M.S., Sakthivel G., Thiyagarajan R., Vanmathi M., Mangalaraja R.V., Ismail M., Elayaperumal A.	Synthesis and characterization of cordierite and cordierite- zirconia by conventional approach	Journal of Ovonic Research	18	4	609	615	0.892	10.15251/JOR.2022.1 84.609

2555	Vishnuram P., Gunabalan R.	Pulse density modulation control-based multi-load handling three leg inverter for cooking applications	Circuit World					0.875	10.1108/CW-07-2021-0187
2556	Subramanian V., Vairavasundaram I.	Comparative analysis of dual second-order generalized integrator-phase locked loop based series hybrid filter and static synchronous compensator for load voltage compensation and power quality improvement with grid synchronization in islanded microgrid	Circuit World					0.875	10.1108/CW-05-2021-0157

2557	Jagadeesan S., Karpagam S.	Docking Investigation on Bis (Nitro Indazolyl) Methanes; Synthesis and Antimicrobial Activity Towards Breast Cancer Applications	Letters in Organic Chemistry	19	5	388	399	0.867	10.2174/1570178618 666210204110358
2558	Moyya P.D., Asaithambi M.	Radiomics- Quantitative Biomarker Analysis for Breast Cancer Diagnosis and Prediction: A Review	Current Medical Imaging	18	1	3	17	0.858	10.2174/1573405617 666210303102526
2559	Polinati S., Bavirisetti D.P., Rajesh K.N.V.P.S., Dhuli R.	Multimodal Medical Image Fusion Based on Content-based and PCA-sigmoid	Current Medical Imaging	18	5	546	562	0.858	10.2174/1573405617 666211004114726

2560	Anirudh V.P., Ajay Krishna S.A., Akshat A., Venkatachalam G., Loganathan T.G.	Virtual fatigue analysis of epoxy based composite reinforced with sugarcane fibre, fly ash and carbon nano tubes [Virtuelle Ermüdungsanalyse von mit Zuckerrohrfasern, Flugasche und Kohlenstoffnanoröhren verstärkten Verbundwerkstoffen auf Epoxidbasis]	Materialwissenschaft und Werkstofftechnik	53	1	56	67	0.854	10.1002/mawe.202100049
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2561	Suryawanshi A., Behera N.	Dental composite resin: a review of major mechanical properties, measurements and its influencing factors [Zahnmedizinischer Kompositharz: Eine Übersicht über wesentliche mechanische Eigenschaften, Messungen und ihre beeinflussenden Faktoren]	Materialwissenschaft und Werkstofftechnik	53	5	617	635	0.854	10.1002/mawe.20210326
2562	Gopalan V., Narayanaswamy H.B., Deshmukh A.R., Natarajan S., Munusamy A., Subramanian J., Chinnayan P.	Virtual Fatigue Life Prediction of Back Strip Butt Weld Joint under Bending and Torque Load Conditions	Medziagotyra	28	4	519	528	0.854	10.5755/j02.ms.29753

2563	Thamizharasan T., Reddy A.S.	Entropy Generation on Pulsatile Hydromagnetic Flow of Jeffrey Nanofluid in a Porous Channel with Brownian Motion, Thermophoresis, and Heat Source/Sink Using Cattaneo- Christov Heat Flux	Indian Journal of Pure and Applied Physics	60	8	680	694	0.846	10.56042/ijpap.v60i8. 63440
2564	Karmakar S., Garai H., Dey L.K., Chanda A.	Existence of Solutions to Non- Linear Quadratic Integral Equations via Measure of Non- Compactness	Filomat	36	1	73	87	0.844	10.2298/FIL2201073K
2565	Dubey A., Sivaraman J.	Evaluation of the Cytotoxicity, Apoptosis and Autophagy Induction by Fucoidan in Human Hepatic Adenocarcinoma Cells	Indian Journal of Pharmaceutical Education and Research	56	3	756	764	0.843	10.5530/ijper.56.3.12 5

2566	Ramesh P., Jain A., Karuppasamy R., Veerappapillai S.	Exploring Machine Learning Models for Recurrence Prediction in Lung Cancer Patients	Indian Journal of Pharmaceutical Education and Research	56	3 Suppl.	S398	S406	0.843	10.5530/ijper.56.3s.1 47
2567	Srinivasan V., Palanisamy P.	Carbon Nanotubes: An Optimistic Nanomaterial with Superfluity Characteristics in Drug Delivery for the Treatment of Arthritis	Indian Journal of Pharmaceutical Education and Research	56	4s	S627	S650	0.843	10.5530/ijper.56.4s.2 10
2568	Gobinath C., Gopinath M.P.	Design and development of SER-UNet model for glaucoma image analysis	Journal of Electronic Imaging	31	4			0.829	10.1117/1.JEI.31.4.04 1215
2569	Raja K.T., Ray B.K.	Polygonal approximation for digital image boundary using firefly algorithm	Journal of Electronic Imaging	31	6			0.829	10.1117/1.JEI.31.6.06 2003



2570	Mohan K., Thena T., Nirmal B., Prakasam M., Saravanan K., Sathiyabama T., Baby S.R., Shitha K., Shinde K., Pandi D.	A review on integrated proxy techniques indicating the presence of sub-surface gas hydrates	International Journal of Oil, Gas and Coal Technology	30	2	175	208	0.820	10.1504/IJOGCT.2022.122645
2571	Kamalakkannan K.	GENERALIZED HAUSDORFF OPERATORS BETWEEN WEIGHTED SPACES	Rocky Mountain Journal of Mathematics	52	5	1683	1692	0.813	10.1216/rmj.2022.52.1683
2572	Raghavendra R.N.S., Chitra A.	Simulation and empirical validation of new sensitivity based reliability analysis technique for processors deployed in industrial drives	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering					0.808	10.1108/COMPEL-01-2022-0054
2573	Saha S., Das A.N.	Hydrothermal analysis of water-Al <sub>2</sub> O <sub>3</sub> nanofluid flow through a sudden expansion channel with an intermediate step	Kuwait Journal of Science	49	4			0.806	10.48129/kjs.15461

2574	Verma S.K., Vats R.K., Kumar A., Vijayakumar V., Shukla A.	A discussion on the existence and uniqueness analysis for the coupled two-term fractional differential equations	Turkish Journal of Mathematics	46	Special Issue	516	532	0.803	10.3906/mat-2107-30
2575	Cheng X., Zhao Y., Raj R.S.P., Hu Z., Yu X., Yang W.	Local PatchMatch Based on Superpixel Cut for Efficient High-resolution Stereo Matching	Brazilian Archives of Biology and Technology	65				0.797	10.1590/1678-4324-202210409
2576	Bhardwaj S., Prusty M.R.	BERT Pre-processed Deep Learning Model for Sarcasm Detection	National Academy Science Letters					0.788	10.1007/s40009-022-01108-8
2577	Chandirasekeran P., Saravanan S., Kannan S., Pattabiraman V.	Analyzing Implications of Various Social Factors on Life Expectancy	National Academy Science Letters					0.788	10.1007/s40009-022-01118-6
2578	Kalra S., Kapoor L., Kapoor N.	The 3x3x3 diet for the management of diabetes and obesity in resource constrained settings	Journal of the Pakistan Medical Association	72	4	773	775	0.781	10.47391/JPMA.22-31

2579	Assudani P.J., Balakrishnan P.	A novel bio-inspired approach for VM load balancing and efficient resource management in cloud	International Journal of Ad Hoc and Ubiquitous Computing	40	01-Mar	214	224	0.773	10.1504/IJAHUC.2022.123541
2580	Chirasani S.K.R., Manikandan S.	An optimised machine learning algorithm for classification of epileptic seizures using EMD-based dynamic features of EEG	International Journal of Ad Hoc and Ubiquitous Computing	40	01-Mar	127	138	0.773	10.1504/IJAHUC.2022.123534
2581	Smruthy A., Suchetha M.	A novel optimised apnea classification with AA-CNN method by utilising the EDR and ECG features	International Journal of Ad Hoc and Ubiquitous Computing	41	1	58	67	0.773	10.1504/ijahuc.2022.125041

2582	Rishi Pandey, Mehta N., Ghorui A., Fowsiya J., Kumar M.R., Deshmukh P., Aditya M.N., Madhumitha G.	Bio-Assisted Preparation of Nano Zinc Oxide and Its Behavior Towards Textile Azo Pollutants	High Energy Chemistry	56	2	101	108	0.762	10.1134/S0018143922020126
2583	Murugan Arunachalapandi, Selvaraj Mohana Roopan	Environment Friendly g-C3N4-Based Catalysts and Their Recent Strategy in Organic Transformations	High Energy Chemistry	56	2	73	90	0.762	10.1134/S0018143922020102
2584	Devi G.L., Niranjan H.	INFLUENCE OF SORET AND DUFOUR, ACTIVATION ENERGY ON MHD CHEMICALLY REACTING NANOFLUID FLOW PAST A VERTICAL SURFACE WITH RADIATION	Latin American Applied Research	52	3	239	246	0.702	10.52292/j.laar.2022.926
2585	Mamgain R., Nagarkar R., Singh F.V.	Progress in metal-catalysed trifluoromethylation reactions using hypervalent iodine reagents	Arkivoc	2022	7	57	107	0.689	10.24820/ARK.5550190.P011.768

2586	Alphonse M., Chandrasekaran R., Pillay M., Fulzele D.P., Ramamoorthy S., Thiyagarajan K.	Development and Validation of a Precise RP- HPLC Method to Determine Gentiopicroside Content in Cultures of Gentiana kurroo Royle	Indian Journal of Pharmaceutical Education and Research	56	1	264	271	0.686	10.5530/ijper.56.1.31
2587	Rajasekaran R., Suresh P.K.	Evaluation of Cell Death Potential of Lepidium sativum Seed Extracts in MCF-7 Cells and Molecular Docking-based Correlation of Identified Bioactive Components with Human Caspase-6 Protein	Indian Journal of Pharmaceutical Education and Research	56	1	166	174	0.686	10.5530/ijper.56.1.19
2588	Dakshinamurthy P.K., Gothandam K.M.	Comprehensive Analytical Characterization of the Proposed Biosimilar Trastuzumab	Indian Journal of Pharmaceutical Education and Research	56	2	438	447	0.686	10.5530/ijper.56.2.64

2589	Simon J.P., Namachivayam A., Katturajan R., Nithiyandam S., Parthasarathy M., Sabina E.P.	Protective Effect of the Aqueous Extract of Cyamopsis tetragonoloba Seed against the Paracetamol- induced Toxicity in Female Wistar Albino Rats	Indian Journal of Pharmaceutical Education and Research	56	2	580	588	0.686	10.5530/ijper.56.2.81
2590	Ramasamy- Rajeswari A., Ganapathy S., Kulothungan K., Kannan A.	Machine Learning Fuzzy based congestion detection and control algorithm for energy efficient wireless sensor network (WSN)	Journal of the National Science Foundation of Sri Lanka	50	3	563	576	0.682	10.4038/jnsfsr.v50i3.1 0398
2591	Indrapriyadharshini S., Karthikeyan S.	The Response of Vigna radiata to Various Sources of Fertilizers in Vellore District	Legume Research	45	10	1278	1282	0.669	10.18805/LR-4245

2592	Muthalvan R.S., Prasanna M.S.I.	EXPERIMENTAL INVESTIGATION OF CONCRETE WITH RECYCLED TYRE-RUBBER WASTE AS FINE AGGREGATE MATERIAL [EKSPERIMENTALNA RAZISKAVA BETONA Z DODATKOM FINEGA AGREGATNEGA MATERIALA IZ RECIKLIRANIH ODPADNIH AVTOMOBILSKIH GUM]	Materiali in Tehnologije	56	5	563	570	0.650	10.17222/mit.2022.585
2593	Pati N.K., Asish Y.S., Manoj Kumar K., Prusty M.R.	Oversampled Two-dimensional Deep Learning Model for Septenary Classification of Skin Lesion Disease	National Academy Science Letters					0.649	10.1007/s40009-022-01175-x

2594	Yogita Mehra, Pragasam Viswanathan	Early Evidence of Global DNA Methylation and Hydroxymethylat ion Changes in Rat Kidneys Consequent to Hyperoxaluria- Induced Renal Calcium Oxalate Stones	Cytology and Genetics	56	5	458	465	0.643	10.3103/S009545272 2050085
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2595	Aghajamali A., Srivastava S.K., Nayak C.	INVESTIGATION OF REFLECTION BANDS OF 1D ANNULAR PHOTONIC CRYSTAL CONTAINING DOUBLE NEGATIVE INDEX MATERIAL AND NON- MAGNETIZED PLASMA [VIENMAČIO ŽIEDINIO FOTONINIO KRISTALO IŠ NEIGIAMŲ SKVARBŲ MEDŽIAGOS IR NEJMAGNETINTO S PLAZMOS ATSPINDŽIO JUOSTŲ TYRIMAS]	Lithuanian Journal of Physics	62	3	138	147	0.638	10.3952/physics.v62i3 .4797
2596	Moulika G., Ponnusamy P.	3D printing for ceramic based PLA composites: Development, security, potential and challenges	Journal of Ceramic Processing Research	23	3	391	396	0.636	10.36410/jcpr.2022.2 3.3.391

2597	Thirumalai R., Karthick S., Giriraj M.	Microstructural analysis and optimization of welding parameters for AA1100 welded plates	Journal of Ceramic Processing Research	23	2	221	227	0.636	10.36410/jcpr.2022.2 3.2.221
2598	Senthilkumar K.M., Sivakumar A., Shivaji R.M., Tamang S.K., Giriraj M.	Optimization of stir casting process parameter using response surface methodology	Journal of Ceramic Processing Research	23	2	233	236	0.636	10.36410/jcpr.2022.2 3.2.233
2599	Gopu G.N., Sofi A.	CORROSION- INDUCED BOND BEHAVIOUR OF STEEL, E-GLASS, AND E-WASTE COPPER WIRE FIBER REINFORCED CONCRETE	Revista Romana de Materiale/ Romanian Journal of Materials	52	4	404	411	0.628	

2600	Karn A.L., Sachin V., Sengan S., Indra G.V., Ravi L., Sharma D.K., Subramaniaswamy V.	DESIGNING A DEEP LEARNING-BASED FINANCIAL DECISION SUPPORT SYSTEM FOR FINTECH TO SUPPORT CORPORATE CUSTOMER'S CREDIT EXTENSION	Malaysian Journal of Computer Science	2022	Special Issue 1	116	131	0.622	10.22452/mjcs.sp2022no1.9
2601	Karn A.L., Ateeq K., Sengan S., Indra G.V., Ravi L., Sharma D.K., Subramaniaswamy V.	B-LSTM-NB BASED COMPOSITE SEQUENCE LEARNING MODEL FOR DETECTING FRAUDULENT FINANCIAL ACTIVITIES	Malaysian Journal of Computer Science	2022	Special Issue 1	30	49	0.622	10.22452/mjcs.sp2022no1.3
2602	Ayeratharasu Rajasekharan K., Porchelvan P.	AN ANALYSIS OF LOW CARBON ENERGY ASSESSORS (LCEA) IN PUBLIC BUILDINGS	Journal of Engineering Research (Kuwait)	9				0.620	10.36909/jer.ACMM.16327

2603	Srikanth M., Siva T., Annamalai A.R.	Effect of Rhenium and Gadolinium Additions on the Mechanical Properties of Ti-48Al-2Cr-2Nb Sintered Through Spark Plasma Sintering	Strength of Materials					0.620	10.1007/s11223-022-00369-4
2604	Parhi C.C., W M.	Microwave sintered lead-free ferroelectrics with colossal dielectric constant at optical frequency	Ferroelectrics	589	1	177	189	0.620	10.1080/00150193.2022.2061231
2605	Mani G., Joshi Kumar V., Stonier A.A.	Prediction and forecasting of air quality index in Chennai using regression and ARIMA time series models	Journal of Engineering Research (Kuwait)	10	02:00 AM	179	194	0.620	10.36909/jer.10253
2606	Krithika M., Vanchinathan P.	An infinite, two-parameter family of polynomials with factorization similar to $X^m - 1$	Communications in Algebra					0.617	10.1080/00927872.2022.2100898

2607	Shivakumar M., Selvaraj T., Simona Raneri R.	Characterization of Tenth century seenakesavaperu mal temple building materials	Indian Journal of Engineering and Materials Sciences	29	4	534	539	0.615	10.56042/ijems.v29i4. 47139
2608	Koppu S., Kumar K., Krishnan Somayaji S.R., Meenakshisundara m I., Wang W., Su C.	Fusion of Blockchain, IoT and Artificial Intelligence - A Survey	IEICE Transactions on Information and Systems	105	2	300	308	0.559	10.1587/transinf.2021 BCR0001
2609	Srilakshmi K., Karthik R.	A Novel Method for Lip Movement Detection using Deep Neural Network	Journal of Scientific and Industrial Research	81	6	643	650	0.555	10.56042/jsir.v81i06.5 3898
2610	Menaka R., Karthik R., Parthasarathy A., Manideep P., Varsha V.	Coherence Analysis in the Brain Network of ASD Children using Connectivity Model and Graph Theory	Journal of Scientific and Industrial Research	81	9	940	951	0.555	10.56042/JSIR.V81i09. 52350
2611	Subbiah S.S., Kumar S.P.	Deep Learning Based Load Forecasting with Decomposition and Feature Selection Techniques	Journal of Scientific and Industrial Research	81	5	505	517	0.555	10.56042/jsir.v81i05.5 6794

2612	Geetha V., Latha S., Gomathi T., Pavithra S., Sudha P.N.	Adsorption of chromium from aqueous solution using Chitosan-g- Graphene/Hydro xyapatite composite	Indian Journal of Geo-Marine Sciences	51	5	459	467	0.553	10.56042/ijms.v51i05. 65571
2613	Abirami S., Lakshmi M.M., Samrot A.V., Cypriyana P.J.J., Saigeetha S., Narendrakumar G.	In-vitro screening of amylase producing halophilic bacteria isolated from seawater	Indian Journal of Geo-Marine Sciences	51	5	388	395	0.553	10.56042/ijms.v51i05. 65568
2614	Sundar Dasgupta S.	Dynamics of a Non-Ideal Gyroscopic Rotor System with Translational- Rotational Coupling Effect of External and Internal Damping	Mechanics of Solids	57	3	604	616	0.549	10.3103/S002565442 2030116
2615	Kareemulla S., Kumar V.	Compact MIMO- Antenna with Enhanced Isolation for Ultra-Wide-Band and Ku-Band Applications	Journal of Communicatio ns Technology and Electronics	67	1	56	62	0.529	10.1134/S106422692 2010053

2616	Shekhar S.K.	Investigating the mediating effect of anxiety and fear of a third wave of COVID-19 among students in South India [Enquête sur l'effet médiateur de l'anxiété et la peur d'une troisième vague de COVID-19 chez les étudiants en Inde du Sud]	Annales Medico-Psychologiques					0.504	10.1016/j.amp.2022.08.002
2617	Vidhya M., Parveen B.K., Prakash C., Subramaniam V., Kumar V.D.	Study on Single Jersey Knitted Fabrics Made From Cotton/ Polyester Core Spun Yarns. Part II: Moisture Management Properties	Tekstil ve Konfeksiyon	32	1	37	46	0.500	10.32710/tekstilvekonfeksiyon.904228
2618	Janani T., Yalçın S.	Initial Estimates of Seven Coefficients for a Subclass of Bi-Starlike Functions	Ukrainian Mathematical Journal					0.464	10.1007/s11253-022-02032-2

2619	Sariki T.P., Kumar G.B.	AN AGGRANDIZED FRAMEWORK FOR ENRICHING BOOK RECOMMENDATION SYSTEM	Malaysian Journal of Computer Science	35	2	111	127	0.436	10.22452/mjcs.vol35no2.2
2620	Pravin S.C., Palanivelan M.	WDSAE-DNDT BASED SPEECH FLUENCY DISORDER CLASSIFICATION	Malaysian Journal of Computer Science	35	3	222	242	0.436	10.22452/mjcs.vol35no3.3
2621	Upendra Raju K., Prabha Nagarajan A.	A Steganography Embedding Method Based on CDF-DWT Technique for Reversible Data Hiding Application Using Elgamal Algorithm	International Journal of Foundations of Computer Science					0.416	10.1142/S0129054122420011
2622	Jothi K.R., Jain M., Jain A., Geraldine Bessie Amali D., Oswalt Manoj S.	A New Deep Learning Approach Enhanced with Ensemble Learning for Accurate Intrusion Detection in IOT Networks	Ad-Hoc and Sensor Wireless Networks	54	01-Feb	1	20	0.4	



2623	Muneeswaran D., Subramani J., Pandi T., Chenniappan N., Shanmugam M.	MODELLING OF DIFFERENT ON- CHIP INDUCTORS FOR RADIO FREQUENCY INTEGRATED CIRCUITS	Comptes Rendus de L'Academie Bulgare des Sciences	75	10	1491	1498	0.326	10.7546/CRABS.2022. 10.12
2624	Priya S., Umadevi T., Gowri S., Vinitha G.	Crystal growth, structural, spectral, optical, DFT analysis and Z-scan analysis of pyridine-1-ium-2- carboxylatehydro genbromide (PHBr) for optoelectronic and nonlinear optical applications	Journal of the Indian Chemical Society	99	5			0.284	10.1016/j.jics.2022.10 0397
2625	Vijayan K., Vijayachamundeesw ari S.P.	Enhancement on the structural, functional, optical and morphological properties of temperature treated silver sulfide nanostructures	Journal of the Indian Chemical Society	99	5			0.284	10.1016/j.jics.2022.10 0420

2626	John R.A.B., Kumar A.R.	Structural, morphological and optical aspects of novel synthesized pristine and hafnium doped nickel oxide nanoparticles	Journal of the Indian Chemical Society	99	4			0.284	10.1016/j.jics.2022.100415
2627	Joshi H., Ruban Kumar A.	Magnetic and dielectric response of M-type barium hexaferrite	Journal of the Indian Chemical Society	99	9			0.243	10.1016/j.jics.2022.100646
2628	Venkatachalam G., Deshmukh A.R., Annamalai A.R., Pragasam V., Balasubramanian G.K., Venkataraman V., Jen C.-P.	Fatigue Life Prediction Using Virtual Strain Gauge for Backing Strip Full Penetration Weld Joint [以虛擬應變計進行襯條全熔透焊縫之疲勞壽命預測]	Journal of the Chinese Society of Mechanical Engineers, Transactions of the Chinese Institute of Engineers, Series C/Chung-Kuo Chi Hsueh Kung Ch'eng Hsuebo Pao	43	2	127	141	0.211	