

**SELECTED PUBLICATIONS LIST - 2021**

<b>S. No.</b>	<b>Authors</b>	<b>Title</b>	<b>Source title</b>	<b>Volume</b>	<b>Issue</b>	<b>Page start</b>	<b>Page end</b>	<b>TR IF Value</b>	<b>DOI</b>
1	Chanda K., Mm B.	Light emitting probes-approaches for interdisciplinary applications	Chemical Society Reviews	50	6	3706	3719	42.846	10.1039/d0cs01444c
2	Mohana Roopan S., Khan M.A.	MoS2 based ternary composites: review on heterogeneous materials as catalyst for photocatalytic degradation	Catalysis Reviews - Science and Engineering					20.217	10.1080/01614940.2021.1962493
3	Garciamendez-Mijares C.E., Agrawal P., García Martínez G., Cervantes Juarez E., Zhang Y.S.	State-of-art affordable bioprinters: A guide for the DiY community	Applied Physics Reviews	8	3			19.162	10.1063/5.0047818
4	Mathew A.A., Chandrasekhar A., Vivekanandan S.	A review on real-time implantable and wearable health monitoring sensors based on triboelectric nanogenerator approach	Nano Energy	80				16.602	10.1016/j.nanoen.2020.105566

5	Peng W., Chuong Nguyen T.H., Nguyen D.L.T., Wang T., Van Thi Tran T., Le T.H., Le H.K., Grace A.N., Singh P., Raizada P., Nguyen Dinh M.T., Nguyen C.C., Kim S.Y., Le Q.V.	A roadmap towards the development of superior photocatalysts for solar-driven CO <sub>2</sub> -to-fuels production	Renewable and Sustainable Energy Reviews	148				14.982	10.1016/j.rser.2021.111298
6	Kumar T.S., Ashok B.	Critical review on combustion phenomena of low carbon alcohols in SI engine with its challenges and future directions	Renewable and Sustainable Energy Reviews	152				14.982	10.1016/j.rser.2021.111702
7	Leonardi E., Floris A., Bose S., D'Aguanno B.	Unified Description of the Specific Heat of Ionic Bulk Materials Containing Nanoparticles	ACS Nano					14.588	10.1021/acsnano.0c05892
8	Ahankari S., Paliwal P., Subhedar A., Kargarzadeh H.	Recent Developments in Nanocellulose-Based Aerogels in Thermal Applications: A Review	ACS Nano					14.588	10.1021/acsnano.0c09678
9	Kumar S., Soundrapandiyan R.	A multi-image hiding technique in dilated video regions based on cooperative game-theoretic approach	Journal of King Saud University - Computer and Information Sciences					13.473	10.1016/j.jksuci.2021.05.018

10	Rayguru M.M., Roy S., Kar I.N.	Time-Scale Redesign- Based Saturated Controller Synthesis for a Class of MIMO Nonlinear Systems	IEEE Transactions on Systems, Man, and Cybernetics: Systems	51	8	4681	4692	13.451	10.1109/TSMC.201 9.2945841
11	Kutomi O., Yamamoto R., Hirose K., Mizuno K., Nakagiri Y., Imai H., Noga A., Obbineni J.M., Zimmermann N., Nakajima M., Shibata D., Shibata M., Shiba K., Kita M., Kigoshi H., Tanaka Y., Yamasaki Y., Asahina Y., Song C., Nomura M., Nomura M., Nakajima A., Nakachi M., Yamada L., Nakazawa S., Sawada H., Murata K., Mitsuoka K., Ishikawa T., Wakabayashi K.-I., Kon T., Inaba K.	A dynein-associated photoreceptor protein prevents ciliary acclimation to blue light	Science Advances	7	9			13.116	10.1126/sciadv.abf 3621

12	Selvasekaran P., Chidambaram R.	Advances in formulation for the production of low-fat, fat-free, low-sugar, and sugar-free chocolates: An overview of the past decade	Trends in Food Science and Technology	113		315	334	12.563	10.1016/j.tifs.2021.05.008
13	Anand B., Shankar R., Murugavelh S., Rivera W., Midhun Prasad K., Nagarajan R.	A review on solar photovoltaic thermal integrated desalination technologies	Renewable and Sustainable Energy Reviews	141				12.110	10.1016/j.rser.2021.110787
14	Bhatti G., Mohan H., Raja Singh R.	Towards the future of smart electric vehicles: Digital twin technology	Renewable and Sustainable Energy Reviews	141				12.110	10.1016/j.rser.2021.110801
15	Reddi Khasim S., Dhanamjayulu C.	Selection parameters and synthesis of multi-input converters for electric vehicles: An overview	Renewable and Sustainable Energy Reviews	141				12.110	10.1016/j.rser.2021.110804
16	Deebak B.D., Al-Turjman F.	Smart Mutual Authentication Protocol for Cloud Based Medical Healthcare Systems Using Internet of Medical Things	IEEE Journal on Selected Areas in Communications	39	2	346	360	11.420	10.1109/JSAC.2020.3020599
17	Karuppasamy R., Veerappapillai S., Maiti S., Shin W.-H., Kihara D.	Current progress and future perspectives of polypharmacology: From the view of non-small cell lung cancer	Seminars in Cancer Biology	68		84	91	11.090	10.1016/j.semcancer.2019.10.019

18	Selvasekaran P., Chidambaram R.	Food-grade aerogels obtained from polysaccharides, proteins, and seed mucilages: Role as a carrier matrix of functional food ingredients	Trends in Food Science and Technology	112		455	470	11.077	10.1016/j.tifs.2021.04.021
19	Narayanan S.J., Baby C.J., Perumal B., Bhatt R.B., Cheng X., Ghalib M.R., Shankar A.	Fuzzy decision trees embedded with evolutionary fuzzy clustering for locating users using wireless signal strength in an indoor environment	International Journal of Intelligent Systems					10.312	10.1002/int.22459
20	Wang W., Xu H., Alazab M., Gadekallu T.R., Han Z., Su C.	Blockchain-Based Reliable and Efficient Certificateless Signature for IIoT Devices	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2021.3084753
21	Deebak B.D., Al-Turjman F., Alazab M.	Dynamic-Driven Congestion Control and Segment Rerouting in the 6G-Enabled Data Networks	IEEE Transactions on Industrial Informatics	17	10	7165	7173	10.215	10.1109/TII.2020.3023944
22	S V., Manoharn R., Ramachandran S., Rajasekar V.R.	Blockchain Based Privacy Preserving Framework for Emerging 6G Wireless Communications	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2021.3107556
23	Alazab M., R M S.P., M P., Reddy P., Gadekallu T.R., Pham Q.	Federated Learning for Cybersecurity: Concepts, Challenges and Future Directions	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2021.3119038

24	Al-Turjman F., Bakkiamdavid D.	A Proxy-Authorized Public Auditing Scheme for Cyber-Medical Systems Using AI-IoT	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2021.3126316
25	S V., Manoharn R., Ramachandran S., Krishnasamy V., Rajasekar V.R., P K., Kumar P., K A., Dhanabalan S.S.	An Efficient Lightweight Privacy Preserving Mechanism for Industry 4.0 Based on Elliptic Curve Cryptography	IEEE Transactions on Industrial Informatics					10.215	10.1109/TII.2021.3139609
26	Mishra S., Khan F., Panigrahi S.K.	A crystal plasticity based approach to establish role of grain size and crystallographic texture in the Tension–Compression yield asymmetry and strain hardening behavior of a Magnesium–Silver–Rare Earth alloy	Journal of Magnesium and Alloys					10.088	10.1016/j.jma.2021.08.021
27	Karunanithy K., Velusamy B.	Directional antenna based node localization and reliable data collection mechanism using local sink for wireless sensor networks	Journal of Industrial Information Integration	24				10.063	10.1016/j.jii.2021.100222

28	Sangaiah A.K., Rostami A.S., Hosseinabadi A.A.R., Shareh M.B., Javadpour A., Bargh S.H., Hassan M.M.	Energy-aware Geographic Routing for Real Time Workforce Monitoring in Industrial Informatics	IEEE Internet of Things Journal					9.936	10.1109/JIOT.2021. 3056419
29	Anbalagan S., Bashir A.K., Raja G., Dhanasekaran P., Vijayaraghavan G., Tariq U., Guizani M.	Machine Learning-based Efficient and Secure RSU Placement Mechanism for Software Defined-IoV	IEEE Internet of Things Journal					9.936	10.1109/JIOT.2021. 3069642
30	Naseema A., Kovooru L., Behera A.K., Kumar K.P.P., Srivastava P.	A critical review of synthesis procedures, applications and future potential of nanoemulsions	Advances in Colloid and Interface Science	287				9.922	10.1016/j.cis.2020. 102318
31	Klionsky D.J., Abdel-Aziz A.K., Abdelfatah S., Abdellatif M., Abdoli A., Abel S., Abeliovich H., Abildgaard M.H., ...Talwar P., et al.,	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)	Autophagy					9.770	10.1080/15548627. 2020.1797280
32	Mondal B., Parhi S.S., Rangaiah G.P., Jana A.K.	Nano-catalytic heterogeneous reactive distillation for algal biodiesel production: Multi-objective optimization and heat integration	Energy Conversion and Management	241				9.709	10.1016/j.enconma n.2021.114298

33	Manimaran R.	Performance assessment of solar PV and thermal-driven humidification dehumidification systems: A CFD modelling approach	Energy Conversion and Management	245				9.709	10.1016/j.enconman.2021.114574
34	Vignesh R., Ashok B.	Deep neural network model-based global calibration scheme for split injection control map to enhance the characteristics of biofuel powered engine	Energy Conversion and Management	249				9.709	10.1016/j.enconman.2021.114875
35	Srinivasan R., Subramanian P., Tirumani S., Gothandam K.M., Ramya M.	Ectopic expression of bacterial 1-aminocyclopropane 1-carboxylate deaminase in Chlamydomonas reinhardtii enhances algal biomass and lipid content under nitrogen deficit condition	Bioresource Technology	341				9.642	10.1016/j.biortech.2021.125830
36	Jennita Jacqueline P., Shenbaga Muthuraman V., Karthick C., Alaswad A., Velvizhi G., Nanthagopal K.	Catalytic microwave preheated co-pyrolysis of lignocellulosic biomasses: A study on biofuel production and its characterization	Bioresource Technology					9.642	10.1016/j.biortech.2021.126382



37	Prakash M., Joo Y.	Fuzzy Event-triggered Control for Back to Back Converter involved PMSG-based Wind Turbine Systems	IEEE Transactions on Fuzzy Systems					9.518	10.1109/TFUZZ.2021.3059949
38	Gadekallu T.R., Pham Q., Nguyen D.C., Maddikunta P.K.R., Deepa N., B P., Pathirana P.N., Zhao J., Hwang W.	Blockchain for Edge of Things: Applications, Opportunities, and Challenges	IEEE Internet of Things Journal					9.471	10.1109/JIOT.2021.3117762
39	Wang W., Qiu C., Yin Z., Srivastava G., Gadekallu T.R., Alsolami F., Su C.	Blockchain and PUF-based Lightweight Authentication Protocol for Wireless Medical Sensor Networks	IEEE Internet of Things Journal					9.471	10.1109/JIOT.2021.3117762
40	Gopinath P.M., Twayana K.S., Ravanan P., John Thomas, Mukherjee A., Jenkins D.F., Chandrasekaran N.	Prospects on the nano-plastic particles internalization and induction of cellular response in human keratinocytes	Particle and Fibre Toxicology	18	1			9.400	10.1186/s12989-021-00428-9
41	Laarabi B., El Baqqal Y., Rajasekar N., Barhdadi A.	Updated review on soiling of solar photovoltaic systems Morocco and India contributions	Journal of Cleaner Production	311				9.297	10.1016/j.jclepro.2021.127608

42	Devarangadi M., Uma Shankar M.	Effect on engineering properties of ground granulated blast furnace slag admixed with laterite soil, cement and bentonite mixtures as a liner in landfill	Journal of Cleaner Production	329				9.297	10.1016/j.jclepro.2021.129757
43	Al-Turjman F., Deebak B.D.	Seamless Authentication: For IoT-Big Data Technologies in Smart Industrial Application Systems	IEEE Transactions on Industrial Informatics	17	4	2919	2927	9.112	10.1109/TII.2020.2990741
44	Manogaran G., Alazab M., Saravanan V., Rawal B.S., Shakeel P.M., Sundarasekar R., Nagarajan S.M., Kadry S.N., Montenegro-Marin C.E.	Machine Learning Assisted Information Management Scheme in Service Concentrated IoT	IEEE Transactions on Industrial Informatics	17	4	2871	2879	9.112	10.1109/TII.2020.3012759
45	Chen Y., Udduttula A., Xie X., Zhou M., Sheng W., Yu F., Weng J., Wang D., Teng B., Manivasagam G., Zhang J.V., Ren P.-G., Kang B., Zeng H.	A novel photocrosslinked phosphate functionalized Chitosan-Sr5(PO4)2SiO4 composite hydrogels and in vitro biomineralization, osteogenesis, angiogenesis for bone regeneration application	Composites Part B: Engineering	222				9.078	10.1016/j.compositesb.2021.109057

46	Jessieleena A.A., M P., MP S.	Comparative study of Fenton, Fe <sup>2+</sup> /NaOCl and Fe <sup>2+</sup> /(NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub> on tannery sludge dewaterability, degradability of organics and leachability of chromium	Journal of Hazardous Materials	402				9.038	10.1016/j.jhazmat.2020.123495
47	Sridharan R., Vetrivelan M., Krishnaswamy V.G., Jansi R S., Rishin H., Kumar D T., Doss C G.P.	Integrated approach in LDPE degradation – An application using Winogradsky column, computational modeling, and pathway prediction	Journal of Hazardous Materials	412				9.038	10.1016/j.jhazmat.2021.125336
48	Tripathi D.K., Vishwakarma K., Singh V.P., Prakash V., Sharma S., Muneer S., Nikolic M., Deshmukh R., Vaculík M., Corpas F.J.	Silicon crosstalk with reactive oxygen species, phytohormones and other signaling molecules	Journal of Hazardous Materials	408				9.038	10.1016/j.jhazmat.2020.124820
49	Sarmin S., Tarek M., Cheng C.K., Roopan S.M., Khan M.M.R.	Augmentation of microbial fuel cell and photocatalytic polishing technique for the treatment of hazardous dimethyl phthalate containing wastewater	Journal of Hazardous Materials	415				9.038	10.1016/j.jhazmat.2021.125587

50	Manojkumar N., Srimuruganandam B.	Size-segregated particulate matter and health effects in air pollution in India: a review	Environmental Chemistry Letters					9.027	10.1007/s10311- 021-01277-w
51	Contreras- Montoya R., Arredondo- Amador M., Escolano-Casado G., Mañas-Torres M.C., González M., Conejero-Muriel M., Bhatia V., Díaz- Mochón J.J., Martínez-Augustin O., De Medina F.S., Lopez-Lopez M.T., Conejero- Lara F., Gavira J.A., De Cienfuegos L.Á.	Insulin Crystals Grown in Short-Peptide Supramolecular Hydrogels Show Enhanced Thermal Stability and Slower Release Profile	ACS Applied Materials and Interfaces					8.758	10.1021/acsami.1c 00639
52	Deebak B.D., Al- Turjman F.	Digital-twin assisted: Fault diagnosis using deep transfer learning for machining tool condition	International Journal of Intelligent Systems					8.709	10.1002/int.22493

53	Pradeep N., Tamil Selvi G., Venkatraman U., Van Le Q., Jeong S.K., Pandiaraj S., Alodhayb A., Muthuramamoorthy M., Grace A.N.	Development and investigation of the flexible hydrogen sensor based on ZnO-decorated Sb2O3 nanobelts	Materials Today Chemistry	22				8.301	10.1016/j.mtchem.2021.100576
54	Sarmin S., Tarek M., Roopan S.M., Cheng C.K., Rahman Khan M.M.	Significant improvement of power generation through effective substrate-inoculum interaction mechanism in microbial fuel cell	Journal of Power Sources	484				8.247	10.1016/j.jpowsour.2020.229285
55	Karthick C., Nanthagopal K.	A comprehensive review on ecological approaches of waste to wealth strategies for production of sustainable biobutanol and its suitability in automotive applications	Energy Conversion and Management	239				8.208	10.1016/j.enconman.2021.114219
56	Razi K., Muneer S.	Drought stress-induced physiological mechanisms, signaling pathways and molecular response of chloroplasts in common vegetable crops	Critical Reviews in Biotechnology					8.108	10.1080/07388551.2021.1874280

57	Desireddy S., Pothanamkandathi I Chacko S.	A review on metal oxide (FeOx/MnOx) mediated nitrogen removal processes and its application in wastewater treatment	Reviews in Environmental Science and Biotechnology					8.044	10.1007/s11157- 021-09581-1
58	Sivakumar J., Ramamurthy K., Radhakrishnan M., Won D.	Synthetic sampling from small datasets: A modified mega-trend diffusion approach using k-nearest neighbors	Knowledge- Based Systems					8.038	10.1016/j.knosys. 2021.107687
59	Mathew A.A., Thangavel V.	A novel thermal energy storage integrated evacuated tube heat pipe solar dryer for agricultural products: Performance and economic evaluation	Renewable Energy	179		1674	1693	8.001	10.1016/j.renene.2 021.07.029
60	Sridharan R., Krishnaswamy V., Kumar P.S., Vidhya T.A., Sivamurugan V., Kumar D.T., Doss C.G.P., Vo D.- V.N.	Analysis and effective separation of toxic pollutants from water resources using MBBR: Pathway prediction using alkaliphilic P. mendocina	Science of the Total Environment	797				7.963	10.1016/j.scitotenv .2021.149135
61	Venugopal K., Panchatcharam P., Chandrasekhar A., Shanmugasundaram V.	Comprehensive Review on Triboelectric Nanogenerator Based Wrist Pulse Measurement: Sensor Fabrication and Diagnosis of Arterial Pressure	ACS Sensors					7.711	10.1021/acssensors .0c02324

62	Ingale A.K., J. D.U.	Real-time 3D reconstruction techniques applied in dynamic scenes: A systematic literature review	Computer Science Review	39				7.707	10.1016/j.cosrev.2020.100338
63	Ray B.K.	Some algorithms under non-parametric framework versus an unsupervised approach	Computer Science Review	39				7.707	10.1016/j.cosrev.2020.100321
64	Mishra A.K., Puthal D., Tripathy A.K.	GraphCrypto: Next generation data security approach towards sustainable smart city building	Sustainable Cities and Society	72				7.587	10.1016/j.scs.2021.103056
65	Varghese P.M., Mukherjee S., Al-Mohanna F.A., Saleh S.M., Almajhdi F.N., Beirag N., Alkahtani S.H., Rajkumari R., Nal Rogier B., Sim R.B., Idicula-Thomas S., Madan T., Murugaiah V., Kishore U.	Human Properdin Released By Infiltrating Neutrophils Can Modulate Influenza A Virus Infection	Frontiers in Immunology	12				7.561	10.3389/fimmu.2021.747654

66	Atelge M.R., Atabani A.E., Abut S., Kaya M., Eskicioglu C., Semaan G., Lee C., Yildiz Y.Ş., Unalan S., Mohanasundaram R., Duman F., Kumar G.	Anaerobic co-digestion of oil-extracted spent coffee grounds with various wastes: Experimental and kinetic modeling studies	Bioresource Technology	322					7.539	10.1016/j.biortech. 2020.124470
67	Kumar B.P., Pillai D.S., Rajasekar N., Chakkarapani M., Ilango G.S.	Identification and Localization of Array Faults with Optimized Placement of Voltage Sensors in a PV System	IEEE Transactions on Industrial Electronics	68	7	5921	5931		7.515	10.1109/TIE.2020.2 998750
68	Benjamin M., Manoj D., Karnan M., Saravanakumar D., Thenmozhi K., Ariga K., Sathish M., Senthilkumar S.	Switching the solubility of electroactive ionic liquids for designing high energy supercapacitor and low potential biosensor	Journal of Colloid and Interface Science	588		221	231		7.489	10.1016/j.jcis.2020. 12.033
69	Manusha P., Yadav S., Satija J., Senthilkumar S.	Designing electrochemical NADH sensor using silver nanoparticles/phenothiazine nanohybrid and investigation on the shape dependent sensing behavior	Sensors and Actuators B: Chemical	347					7.460	10.1016/j.snb.2021 .130649



70	Boominathan T., Sivaramakrishna A.	Recent Advances in the Synthesis, Properties, and Applications of Modified Chitosan Derivatives: Challenges and Opportunities	Topics in Current Chemistry	379	3			7.455	10.1007/s41061- 021-00331-z
71	Singh H., Thirupathi A., Das B., Janni M., Kumari R., Singh S., Rashid M., Wahajuddin M., Balamurali M.M., Jagavelu K., Peruncheralatha n S.	2,3-Difunctionalized Benzo[ b]thiophene Scaffolds Possessing Potent Antiangiogenic Properties	Journal of Medicinal Chemistry					7.446	10.1021/acs.jmed chem.1c00892
72	Gawas P.P., Ramakrishna B., Veeraiah N., Nutalapati V.	Multifunctional hydantoins: Recent advances in optoelectronics and medicinal drugs from Academia to the chemical industry	Journal of Materials Chemistry C	9	46	16341	16377	7.393	10.1039/d1tc0409 0a
73	Chahar S., Roy P.K.	COVID-19: A Comprehensive Review of Learning Models	Archives of Computational Methods in Engineering					7.302	10.1007/s11831- 021-09641-3

74	Tripathi P.M., Kumar A., Komaragiri R., Kumar M.	A Review on Computational Methods for Denoising and Detecting ECG Signals to Detect Cardiovascular Diseases	Archives of Computational Methods in Engineering					7.302	10.1007/s11831- 021-09642-2
75	Mishra U., Wu J.- Z., Sarkar B.	Optimum sustainable inventory management with backorder and deterioration under controllable carbon emissions	Journal of Cleaner Production	279				7.246	10.1016/j.jclepro.2 020.123699
76	Manupati V.K., Ramkumar M., Baba V., Agarwal A.	Selection of the best healthcare waste disposal techniques during and post COVID-19 pandemic era	Journal of Cleaner Production	281				7.246	10.1016/j.jclepro.2 020.125175
77	Saridhe S.P., Selvaraj T.	Reporting the ancient green construction technology of limecrete slabs adopted in Udaipur, Rajasthan	Journal of Cleaner Production	279				7.246	10.1016/j.jclepro.2 020.123682
78	Md Mashud A.H., Pervin M., Mishra U., Daryanto Y., Tseng M.-L., Lim M.K.	A sustainable inventory model with controllable carbon emissions in green- warehouse farms	Journal of Cleaner Production	298				7.246	10.1016/j.jclepro.2 021.126777
79	Sepehri A., Mishra U., Sarkar B.	A sustainable production- inventory model with imperfect quality under preservation technology and quality improvement investment	Journal of Cleaner Production	310				7.246	10.1016/j.jclepro.2 021.127332

80	Khan T., Singh K., Hasan M.H., Ahmad K., Reddy G.T., Mohan S., Ahmadian A.	ETERS: A comprehensive energy aware trust-based efficient routing scheme for adversarial WSNs	Future Generation Computer Systems	125		921	943	7.187	10.1016/j.future.20 21.06.049
81	Ahankari S.S., Subhedar A.R., Bhadauria S.S., Dufresne A.	Nanocellulose in food packaging: A review	Carbohydrate Polymers	255				7.182	10.1016/j.carbpol.2 020.117479
82	Kumar T.A., Rajmohan R., Julie E.G., Robinson Y.H., Vimal S., Kadry S.	Reinforced resource management in vehicular fog computing using deep beacon power control protocol	International Journal of Web and Grid Services	17	4	371	388	7.135	10.1504/IJWGS.202 1.118404
83	Rakshith M., Seenuvasaperumal P.	Review on the effect of different processing techniques on the microstructure and mechanical behaviour of AZ31 Magnesium alloy	Journal of Magnesium and Alloys					7.115	10.1016/j.jma.2021 .03.019
84	Hena M., Jeyanthi N.	Distributed authentication framework for Hadoop based bigdata environment	Journal of Ambient Intelligence and Humanized Computing					7.104	10.1007/s12652- 021-03522-0
85	Vidhya R., Brindha M.	Evaluation and performance analysis of Chinese remainder theorem and its application to lossless image compression	Journal of Ambient Intelligence and Humanized Computing					7.104	10.1007/s12652- 021-03532-y

86	Arun Kumar K., Karthikeyan J.	Review on implementation of IoT for environmental condition monitoring in the agriculture sector	Journal of Ambient Intelligence and Humanized Computing					7.104	10.1007/s12652-021-03605-y
87	Swetha P., Munusamy S., Srinivas S., Kumar A.S., Wang J., He J., Jiang J.	A D-A-D molecularly wired charge transfer platform for ultrasensitive detection of dopamine	Sensors and Actuators, B: Chemical	338				7.100	10.1016/j.snb.2021.129829
88	Tadeo I.J., Parasuraman R., Umarji A.M.	Highly sensitive and selective ultrasonically nebulized V2O5 thin films towards ethanol and NO2 gas detection	Sensors and Actuators, B: Chemical	337				7.100	10.1016/j.snb.2021.129811
89	Suriyakumar S., Bhardwaj P., Grace A.N., Stephan A.M.	Role of Polymers in Enhancing the Performance of Electrochemical Supercapacitors: A Review	Batteries and Supercaps	4	4	571	584	7.093	10.1002/batt.202000272
90	Hoang A.T., Nižetić S., Ong H.C., Mofijur M., Ahmed S.F., Ashok B., Bui V.T.V., Chau M.Q.	Insight into the recent advances of microwave pretreatment technologies for the conversion of lignocellulosic biomass into sustainable biofuel	Chemosphere	281				7.086	10.1016/j.chemosphere.2021.130878

91	Samuel M.S., Selvarajan E., Chidambaram R., Patel H., Brindhadevi K.	Clean approach for chromium removal in aqueous environments and role of nanomaterials in bioremediation: Present research and future perspective	Chemosphere	284					7.086	10.1016/j.chemosp here.2021.131368
92	Noel M.M., Muthiah- Nakarajan V., Amali G.B., Trivedi A.S.	A new biologically inspired global optimization algorithm based on firebug reproductive swarming behaviour[Formula presented]	Expert Systems with Applications	183					6.954	10.1016/j.eswa.2021.115408
93	Sharma M., Kandasamy I., Kandasamy V.	Deep Learning for predicting neutralities in Offensive Language Identification Dataset[Formula presented]	Expert Systems with Applications	185					6.954	10.1016/j.eswa.2021.115458
94	Verma A.K., Vamsi I., Saurabh P., Sudha R., G.R. S., S. R.	Wavelet and deep learning-based detection of SARS-nCoV from thoracic X-ray images for rapid and efficient testing	Expert Systems with Applications	185					6.954	10.1016/j.eswa.2021.115650

95	Madan T., Biswas B., Varghese P.M., Subedi R., Pandit H., Idicula-Thomas S., Kundu I., Rooge S., Agarwal R., Tripathi D.M., Kaur S., Gupta E., Gupta S.K., Kishore U.	A Recombinant Fragment of Human Surfactant Protein D Binds Spike Protein and Inhibits Infectivity and Replication of SARS-CoV-2 in Clinical Samples	American Journal of Respiratory Cell and Molecular Biology	65	1	41	53	6.914	10.1165/rcmb.2021-0005OC
96	Rajput N.S.	Firefly inspired robust cooperative and secure QoS provisioning framework for vehicular networks in multi-service environment	Vehicular Communications					6.91	10.1016/j.vehcom.2021.100423
97	Kumar A.S., Mageswari G.V., Nisha S., Nallepalli P., Vijayakrishna K.	Molecular orientation and dynamics of ferricyanide ion-bearing copoly(ionic liquid) modified glassy carbon electrode towards selective mediated oxidation reaction of cysteine versus ascorbic acid: A biomimicking enzyme functionality	Electrochimica Acta	395				6.901	10.1016/j.electacta.2021.139215
98	Ahmed M.M., Hasan M.K., Shafiq M., Qays M.O., Gadekallu T.R., Nebhen J., Islam S.	A peer-to-peer blockchain based interconnected power system	Energy Reports					6.87	10.1016/j.egyr.2021.08.071

99	Franklyne J.S., Gopinath P.M., Mukherjee A., Chandrasekaran N.	Nanoemulsions: The rising star of antiviral therapeutics and nanodelivery system—current status and prospects	Current Opinion in Colloid and Interface Science	54				6.790	10.1016/j.cocis.2021.101458
100	Kubendiran H., Alex S.A., Pulimi M., Chandrasekaran N., Nancharaiah Y.V., Venugopalan V.P., Mukherjee A.	Development of biogenic bimetallic Pd/Fe nanoparticle-impregnated aerobic microbial granules with potential for dye removal	Journal of Environmental Management	293				6.789	10.1016/j.jenvman.2021.112789
101	Goutam Mukherjee A., Ramesh Wanjari U., Chakraborty R., Renu K., Vellingiri B., George A., C.R. S.R., Valsala Gopalakrishnan A.	A review on modern and smart technologies for efficient waste disposal and management	Journal of Environmental Management	297				6.789	10.1016/j.jenvman.2021.113347
102	Roy N., Alex S.A., Chandrasekaran N., Kannabiran K., Mukherjee A.	Studies on the removal of acid violet 7 dye from aqueous solutions by green ZnO@Fe <sub>3</sub> O <sub>4</sub> chitosan-alginate nanocomposite synthesized using Camellia sinensis extract	Journal of Environmental Management					6.789	10.1016/j.jenvman.2021.114128

103	Dhinakaran K., Nedunchelian R., Balasundaram A.	Crowdsourcing: Descriptive Study on Algorithms and Frameworks for Prediction	Archives of Computational Methods in Engineering					6.73	10.1007/s11831- 021-09577-8
104	Pankaj, Kumar A., Komaragiri R., Kumar M.	A Review on Computation Methods Used in Photoplethysmography Signal Analysis for Heart Rate Estimation	Archives of Computational Methods in Engineering					6.730	10.1007/s11831- 021-09597-4
105	Suchetha M., Madhumitha R., Sorna Meena M., Sruthi R.	Sequential Convolutional Neural Networks for classification of cognitive tasks from EEG signals	Applied Soft Computing	111				6.725	10.1016/j.asoc.202 1.107664
106	Vidya B., P S.	Gait based Parkinson's disease diagnosis and severity rating using multi-class support vector machine	Applied Soft Computing	113				6.725	10.1016/j.asoc.20 21.107939
107	Sangaiah A.K., Khanduzi R.	Tabu search with simulated annealing for solving a location-protection-disru ption in hub network	Applied Soft Computing					6.725	10.1016/j.asoc.202 1.108056



108	Gandhi M., Rajagopal D., Senthil Kumar A.	In-situ electro-organic conversion of lignocellulosic-biomass product-syringaldehyde to a MWCNT surface-confined hydroquinone electrocatalyst for biofuel cell and sensing of ascorbic acid applications	Applied Surface Science	562					6.707	10.1016/j.apsusc.2021.150158
109	Prakash K., Selvam V., Babu S.G., Meena S., Karuthapandian S.	Rational design of novel 3D flower-like praseodymium molybdate anchored graphitic carbon Nitride: An efficient and sustainable photocatalyst for mitigation of carcinogenic pollutants	Applied Surface Science	569					6.707	10.1016/j.apsusc.2021.151104
110	Rajendran S., Chellapandi T., UshaVipinachandran V., Venkata Ramanaiah D., Dalal C., Sonkar S.K., Madhumitha G., Bhunia S.K.	Sustainable 2D Bi <sub>2</sub> WO <sub>6</sub> /g-C <sub>3</sub> N <sub>5</sub> heterostructure as visible light-triggered abatement of colorless endocrine disruptors in wastewater	Applied Surface Science						6.707	10.1016/j.apsusc.2021.151809

111	Kumarasamy C., Tiwary V., Sunil K., Suresh D., Shetty S., Muthukaliannan G.K., Baxi S., Jayaraj R.	Prognostic utility of platelet–lymphocyte ratio, neutrophil–lymphocyte ratio and monocyte–lymphocyte ratio in head and neck cancers: A detailed prisma compliant systematic review and meta-analysis	Cancers	13	16			6.639	10.3390/cancers13 164166
112	Shaw P., Senthilnathan R., Krishnan S., Suresh D., Shetty S., Muthukaliannan G.K., Mani R.R., Sivanandy P., Chandramoorthy H.C.K., Gupta M.M., Baxi S., Jayaraj R.	A clinical update on the prognostic effect of microRNA biomarkers for survival outcome in nasopharyngeal carcinoma: A systematic review and meta-analysis	Cancers	13	17			6.639	10.3390/cancers13 174369
113	Dhilipkumar T., Rajesh M.	Enhancing strength and stiffness of composite joint through co-cure technique	Composites Communications	27				6.617	10.1016/j.coco.202 1.100878

114	Elanchezian M., Eswaran M., Shuck C.E., Senthilkumar S., Elumalai S., Dhanusuraman R., Ponnusamy V.K.	Facile synthesis of polyaniline/titanium carbide (MXene) nanosheets/palladium nanocomposite for efficient electrocatalytic oxidation of methanol for fuel cell application	Fuel	303				6.609	10.1016/j.fuel.2021 .121329
115	Raut S.U., Bhagat P.R.	Sugarcane bio-refinery products: An efficient one umbrella approach for synthesis of biofuel and value-added compounds using metal-free photo- catalyst	Fuel	303				6.609	10.1016/j.fuel.2021 .121154
116	Ameen F., Ranjitha J., Ahsan N., Shankar V.	Co-digestion of microbial biomass with animal manure in three-stage anaerobic digestion	Fuel	306				6.609	10.1016/j.fuel.2021 .121746
117	Bhansali K.J., Balinge K.R., Raut S.U., Deshmukh S.A., Senthil Kumar M., Ramesh Kumar C., Bhagat P.R.	Visible light assisted sulfonic acid- functionalized porphyrin comprising benzimidazolium moiety for photocatalytic transesterification of castor oil	Fuel	304				6.609	10.1016/j.fuel.2021 .121490
118	Sudhakar M.P., Ravel M., Perumal K.	Pretreatment and process optimization of bioethanol production from spent biomass of Ganoderma lucidum using Saccharomyces cerevisiae	Fuel	306				6.609	10.1016/j.fuel.2021 .121680

119	Velvizhi G., Goswami C., Shetti N.P., Ahmad E., Kishore Pant K., Aminabhavi T.M.	Valorisation of lignocellulosic biomass to value-added products: Paving the pathway towards low-carbon footprint	Fuel					6.609	10.1016/j.fuel.2021.122678
120	Srusti B., Shyam Kumar M.B.	A novel method to investigate the influence of phase change material orientation in reduction of car cabin temperature	Journal of Energy Storage					6.583	10.1016/j.est.2021.103650
121	Rajesh P., Naveen C., Venkatesan A.K., Shajin F.H.	An optimization technique for battery energy storage with wind turbine generator integration in unbalanced radial distribution network	Journal of Energy Storage	43				6.583	10.1016/j.est.2021.103160
122	Patel K.K., Singhal T., Pandey V., Sumangala T.P., Sreekanth M.S.	Evolution and recent developments of high performance electrode material for supercapacitors: A review	Journal of Energy Storage	44				6.583	10.1016/j.est.2021.103366
123	Dey S., Paul S., Nag A., Banerjee R., Gopal G., Mukherjee A., Kundu R.	Iron-pulsing, a novel seed invigoration technique to enhance crop yield in rice: A journey from lab to field aiming towards sustainable agriculture	Science of the Total Environment	769				6.551	10.1016/j.scitotenv.2020.144671

124	Thiagarajan V., Alex S.A., Seenivasan R., Chandrasekaran N., Mukherjee A.	Toxicity evaluation of nano-TiO <sub>2</sub> in the presence of functionalized microplastics at two trophic levels: Algae and crustaceans	Science of the Total Environment	784				6.551	10.1016/j.scitotenv .2021.147262
125	Choudhury A.A., Devi Rajeswari V.	Gestational diabetes mellitus - A metabolic and reproductive disorder	Biomedicine and Pharmacotherapy	143				6.529	10.1016/j.biopha.2 021.112183
126	Muthusaravanan S., Balasubramani K., Suresh R., Ganesh R.S., Sivarajasekar N., Arul H., Rambabu K., Bharath G., Sathishkumar V.E., Murthy A.P., Banat F.	Adsorptive removal of noxious atrazine using graphene oxide nanosheets: Insights to process optimization, equilibrium, kinetics, and density functional theory calculations	Environmental Research	200				6.498	10.1016/j.envres.2 021.111428
127	Gandhi A.D., Miraclin P.A., Abilash D., Sathiyaraj S., Velmurugan R., Zhang Y., Soontarapa K., Sen P., Sridharan T.B.	Nanosilver reinforced Parmelia sulcata extract efficiently induces apoptosis and inhibits proliferative signalling in MCF-7 cells	Environmental research	199		111375		6.498	10.1016/j.envres.2 021.111375
128	Antony B.	Prediction of the production of crops with respect to rainfall	Environmental Research	202				6.498	10.1016/j.envres.2 021.111624

129	Mahalaxmi I., Jayaramayya K., Venkatesan D., Subramaniam M.D., Renu K., Vijayakumar P., Narayanasamy A., Gopalakrishnan A.V., Kumar N.S., Sivaprakash P., Sambasiva Rao K.R.S., Vellingiri B.	Mucormycosis: An opportunistic pathogen during COVID-19	Environmental Research	201				6.498	10.1016/j.envres.2 021.111643
130	Karuppasamy K., Vikraman D., Hussain T., Hussain S., Bose R., Sivakumar P., Murthy A.P., Alfantazi A., Kim H.-S.	Ternary Zn <sub>1-x</sub> Ni <sub>x</sub> Se nanostructures as efficient photocatalysts for detoxification of hazardous Congo red, methyl orange, and chrome yellow dyes in wastewater sources	Environmental Research	201				6.498	10.1016/j.envres.2 021.111587
131	Archana K.M., Rajalakshmi S., Kumar P.S., Krishnaswamy V.G., Rajagopal R., Kumar D.T., Priya Doss C.G.	Effect of shape and anthocyanin capping on antibacterial activity of CuI particles	Environmental Research	200				6.498	10.1016/j.envres.2 021.111759

132	Nivetha R., Gothandapani K., Raghavan V., Jacob G., Sellapan R., Kannan A.M., Pitchaimuthu S., Pandiaraj S., Almuqrin A.H., Alodhayb A., Muthuramamoort hy M., Van Le Q., Jeong S.K., Grace A.N.	NH2-MIL-125(Ti) doped CdS/Graphene composite as electro and photo catalyst in basic medium under light irradiation	Environmental Research	200				6.498	10.1016/j.envres.2 021.111719
133	Natarajan L., Jenifer M.A., Chandrasekaran N., Suraishkumar G.K., Mukherjee A.	Polystyrene nanoplastics diminish the toxic effects of Nano-TiO2 in marine algae Chlorella sp.	Environmental Research					6.498	10.1016/j.envres.2 021.112400
134	Arumugham T., Ouda M., Krishnamoorthy R., Hai A., Gnanasundaram N., Hasan S.W., Banat F.	Surface-engineered polyethersulfone membranes with inherent Fe–Mn bimetallic oxides for improved permeability and antifouling capability	Environmental Research	204				6.498	10.1016/j.envres. 2021.112390
135	Chavhan S., Gupta D., Chandana B.N., Chidambaram R.K., Khanna A., Rodrigues J.J.P.C.	A Novel Emergent Intelligence Technique for Public Transport Vehicle Allocation Problem in a Dynamic Transportation System	IEEE Transactions on Intelligent Transportation Systems	22	8	5389	5402	6.492	10.1109/TITS.2020. 3011198

136	Zhao C., Wang Z., Li D., Kollo L., Luo Z., Zhang W., Prashanth K.G.	Selective laser melting of Cu-Ni-Sn: A comprehensive study on the microstructure, mechanical properties, and deformation behavior	International Journal of Plasticity	138				6.490	10.1016/j.ijplas.2021.102926
137	Pavan Kumar M.R., Jayagopal P.	Context-sensitive lexicon for imbalanced text sentiment classification using bidirectional LSTM	Journal of Intelligent Manufacturing					6.485	10.1007/s10845-021-01866-0
138	David E., Thirumoorthy K., Palanisami N.	Aggregation-induced emission (AIE)-active: N-arylated ferrocenyl pyrazole chromophores: Second-order nonlinear optical and turn on/off fluorescence for the detection of picric acid in mixed aqueous media	Materials Chemistry Frontiers	5	24	8290	8307	6.482	10.1039/d1qm01022k
139	Chukwuike V.I., Echem O.G., Prabhakaran S., AnandKumar S., Barik R.C.	Laser shock peening (LSP): Electrochemical and hydrodynamic investigation of corrosion protection pre-treatment for a copper surface in 3.5 % NaCl medium	Corrosion Science	179				6.479	10.1016/j.corsci.2020.109156



140	Kumar A., Kumari P., Gupta K., Singh M., Tomer V.	Recent Advances in Extraction, Techno-functional Properties, Food and Therapeutic Applications as Well as Safety Aspects of Natural and Modified Stabilizers	Food Reviews International					6.478	10.1080/87559129.2021.1950174
141	Thada A., Panchal S., Dubey A., Bhaskara Rao L.	Machine learning based frequency modelling	Mechanical Systems and Signal Processing	160				6.471	10.1016/j.ymssp.2021.107915
142	Cheng L., Shoma Suresh K., He H., Rajput R.S., Feng Q., Ramesh S., Wang Y., Krishnan S., Ostrovidov S., Camci-Unal G., Ramalingam M.	3d printing of micro-and nanoscale bone substitutes: A review on technical and translational perspectives	International Journal of Nanomedicine	16		4289	4319	6.400	10.2147/IJN.S311001
143	Ramesh P., Shin W.-H., Veerappapillai S.	Discovery of a potent candidate for ret-specific non-small-cell lung cancer—a combined in silico and in vitro strategy	Pharmaceutics	13	11			6.321	10.3390/pharmaceutics13111775
144	Wang T., Luo H., Zeng X., Yu Z., Liu A., Sangaiah A.K.	Mobility Based Trust Evaluation for Heterogeneous Electric Vehicles Network in Smart Cities	IEEE Transactions on Intelligent Transportation Systems	22	3	1797	1806	6.319	10.1109/TITS.2020.2997377

145	Maurya V.K., Shakya A., Aggarwal M., Gothandam K.M., Bohn T., Pareek S.	Fate of $\beta$ -carotene within loaded delivery systems in food: State of knowledge	Antioxidants	10	3	1	49	6.312	10.3390/antiox10030426
146	Ashok A., Ratnaji T., John Kennedy L., Judith Vijaya J., Gnana Pragash R.	Magnetically recoverable Mg substituted zinc ferrite nanocatalyst for biodiesel production: Process optimization, kinetic and thermodynamic analysis	Renewable Energy	163		480	494	6.274	10.1016/j.renene.2020.08.081
147	Desai S.S., Raksha Rao K., Jain A., Bawa P.S., Dutta P., Atre G., Subhash A., Rao V.U.S., Suvratha J., Srinivasan S., Choudhary B.	Multidimensional Mutational Profiling of the Indian HNSCC Sub-Population Provides IRAK1, a Novel Driver Gene and Potential Druggable Target	Frontiers in Oncology	11				6.244	10.3389/fonc.2021.723162
148	Revathi S., Raja P., Saha S., Eisen M.S., Ghatak T.	Recent developments in highly basic N-heterocyclic iminato ligands in actinide chemistry	Chemical Communications	57	45	5483	5502	6.222	10.1039/d1cc00933h
149	Yamada M., Uemure F., Katagiri H., Akimoto K., Hamada F.	Selective separation of branched alkane vapor by thiacalixarene supramolecular crystals having shape-recognition properties	Chemical Communications	57	51	6237	6240	6.222	10.1039/d1cc01931g

150	Gandhi M., Rajagopal D., Senthil Kumar A.	Molecularly wiring of Cytochrome c with carboxylic acid functionalized hydroquinone on MWCNT surface and its bioelectrocatalytic reduction of H <sub>2</sub> O <sub>2</sub> relevance to biomimetic electron-transport and redox signalling	Electrochimica Acta	368				6.215	10.1016/j.electacta. 2020.137596
151	Pradhan M., Chakraborty R., Rudra S., Koley S., Maji P.K., Nayak A.K., Das S., Nandi U.	Intercalation pseudocapacitance in Bi <sub>2</sub> Se <sub>3</sub> -MnO <sub>2</sub> nanotube composite for high electrochemical energy storage	Electrochimica Acta	367				6.215	10.1016/j.electacta. 2020.137531
152	Perumal P.S., Suvasree M., Chavhan S., Gupta D., Mukthineni V., Shimgekar S.R., Khanna A., Fortino G.	An insight into crash avoidance and overtaking advice systems for Autonomous Vehicles: A review, challenges and solutions	Engineering Applications of Artificial Intelligence	104				6.212	10.1016/j.engappai .2021.104406
153	Javed A.R., Jalil Z., Zehra W., Gadekallu T.R., Suh D.Y., Piran M.J.	A comprehensive survey on digital video forensics: Taxonomy, challenges, and future directions	Engineering Applications of Artificial Intelligence	106				6.212	10.1016/j.engappai .2021.104456

154	Karthik Yadav P.V., Ajitha B., Reddy Y.A.K., Minnam Reddy V.R., Reddeppa M., Kim M.-D.	Effect of sputter pressure on UV photodetector performance of WO <sub>3</sub> thin films	Applied Surface Science	536				6.182	10.1016/j.apsusc.2 020.147947
155	Ponnusamy R., Venkatesan R., Samal R., Kandasamy M., Gandhiraj V., Chakraborty B., Rout C.S.	Bifunctional WO <sub>3</sub> microrods decorated RGO composite as catechol sensor and optical limiter	Applied Surface Science	536				6.182	10.1016/j.apsusc.2 020.147669
156	Prakash P., Satheesh U., Devaprakasam D.	Photocatalytic and thermolytic "Attenuation – Degradation" mechanisms of perfluoroalkylsilane self assembled on TiO <sub>2</sub> nanoparticles	Applied Surface Science	549				6.182	10.1016/j.apsusc.2 021.149278
157	Guha T., Das H., Mukherjee A., Kundu R.	Elucidating ROS signaling networks and physiological changes involved in nanoscale zero valent iron primed rice seed germination sensu stricto	Free Radical Biology and Medicine	171		11	25	6.170	10.1016/j.freeradbi omed.2021.05.005
158	Biswas R.	Molecular dynamics studies on the exfoliation of graphene in room temperature ionic liquids	Journal of Molecular Liquids	337				6.165	10.1016/j.molliq.20 21.116592

159	Miryala S.K., Basu S., Naha A., Debroy R., Ramaiah S., Anbarasu A., Natarajan S.	Identification of bioactive natural compounds as efficient inhibitors against Mycobacterium tuberculosis protein-targets: A molecular docking and molecular dynamics simulation study	Journal of Molecular Liquids	341				6.165	10.1016/j.molliq.2021.117340
160	Kandasamy J., Nadeem S.P., Kumar A., K.E.K V., Nikhil H.B., Solanki N.H.	Economic and environmental feasibility of re-routing the Indo-Sri Lankan shipping channel: A green initiative of sustainable development	Sustainable Development					6.159	10.1002/sd.2269
161	Yandrapu V.P., Kanidarapu N.R.	Process design for energy efficient, economically feasible, environmentally safe methyl chloride production process plant: Chlorination of methane route	Process Safety and Environmental Protection	154		360	371	6.158	10.1016/j.psep.2021.08.027
162	Krishnachaitanya D., Chitra A.	Quantitative analysis of asymmetric multilevel inverters with reduced device count from reliability and cost function perspective-A review	IEEE Transactions on Power Electronics	36	10	11068	11086	6.153	10.1109/TPEL.2021.3071375

163	Aravind N., Nagajothi S., Elavenil S.	Machine learning model for predicting the crack detection and pattern recognition of geopolymers concrete beams	Construction and Building Materials	297				6.141	10.1016/j.conbuildmat.2021.123785
164	Yumnam M., Gupta H., Ghosh D., Jaganathan J.	Inspection of concrete structures externally reinforced with FRP composites using active infrared thermography: A review	Construction and Building Materials	310				6.141	10.1016/j.conbuildmat.2021.125265
165	Gokulanathan V., Arun K., Priyadharshini P.	Fresh and hardened properties of five non-potable water mixed and cured concrete: A comprehensive review	Construction and Building Materials	309				6.141	10.1016/j.conbuildmat.2021.125089
166	Hakak S., Alazab M., Khan S., Gadekallu T.R., Maddikunta P.K.R., Khan W.Z.	An ensemble machine learning approach through effective feature extraction to classify fake news	Future Generation Computer Systems	117		47	58	6.125	10.1016/j.future.2020.11.022
167	Deebak B.D., AL-Turjman F.	Lightweight authentication for IoT/Cloud-based forensics in intelligent data computing	Future Generation Computer Systems	116		406	425	6.125	10.1016/j.future.2020.11.010
168	Lin G., Guo Z., Chao F., Yang L., Chang X., Lin C.-M., Zhou C., Vijayakumar V., Shang C.	Automatic stroke generation for style-oriented robotic Chinese calligraphy	Future Generation Computer Systems	119		20	30	6.125	10.1016/j.future.2021.01.029

169	Thirumoorthy K., Gokulakrishnan B., Sathishkumar G., Landau M.V., Man M.W.C., Oliviero E.	Al-Doped magnetite encapsulated in mesoporous carbon: a long-lasting Fenton catalyst for CWPO of phenol in a fixed-bed reactor under mild conditions	Catalysis Science and Technology	11	22	7368	7379	6.119	10.1039/d1cy01218 e
170	Ganesh Kumar P., Balaji K., Sakthivadivel D., Vigneswaran V.S., Velraj R., Kim S.C.	Enhancement of heat transfer in a combined solar air heating and water heater system	Energy	221				6.082	10.1016/j.energy.2 021.119805
171	Shanu P.N., Senthilkumar S.	Performance optimization of mild hybrid passenger vehicle by dual control strategy for city driving cycle	Energy	214				6.082	10.1016/j.energy.2 020.118953
172	Thangamani S., Sundaresan S.N., Kannappan S. S., Barawkar V.T., Jeyaseelan T.	Impact of biodiesel and diesel blends on the fuel filter: A combined experimental and simulation study	Energy	227				6.082	10.1016/j.energy.2 021.120526
173	Pugazhenthiran N., Murugesan S., Valdés H., Selvaraj M., Sathishkumar P., Smirniotis P.G., Anandan S., Mangalaraja R.V.	Photocatalytic oxidation of ceftiofur sodium under UV-visible irradiation using plasmonic porous Ag- TiO <sub>2</sub> nanospheres	Journal of Industrial and Engineering Chemistry					6.064	10.1016/j.jiec.202 1.09.038

174	Raghavan S., Gayathri R., Kancharla S., Kolli P., Ranjitha J., Shankar V.	Cardiovascular impacts on covid-19 infected patients	Frontiers in Cardiovascular Medicine	8				6.05	10.3389/fcvm.2021 .670659
175	Raja G., Anbalagan S., Ganapathi Subramaniyan A., Selvakumar M.S., Bashir A.K., Mumtaz S.	Efficient and Secured Swarm Pattern Multi-UAV Communication	IEEE Transactions on Vehicular Technology					5.978	10.1109/TVT.2021. 3082308
176	Raja G., Suresh S., Anbalagan S., Ganapathisubrama niyan A., Kumar N.	PFIN: An Efficient Particle Filter-Based Indoor Navigation Framework for UAVs	IEEE Transactions on Vehicular Technology	70	5	4984	4992	5.978	10.1109/TVT.2021. 3072727
177	Prathiba S., Raja G., Anbalagan S., Gurumoorthy S., Kumar N., Guizani M.	Cybertwin-driven Federated Learning based Personalized Service Provision for 6G-V2X	IEEE Transactions on Vehicular Technology					5.978	10.1109/TVT.202 1.3133291
178	Alex A V., Deosarkar T., N C., Mukherjee A.	An ultra-sensitive and selective AChE based colorimetric detection of malathion using silver nanoparticle-graphene oxide (Ag-GO) nanocomposite	Analytica Chimica Acta	1142		73	83	5.977	10.1016/j.aca.2020. 10.057



179	Singh A., Shukla A., Vijayakumar V., Udhayakumar R.	Asymptotic stability of fractional order (1,2] stochastic delay differential equations in Banach spaces	Chaos, Solitons and Fractals	150				5.944	10.1016/j.chaos.2021.111095
180	Kavitha K., Vijayakumar V., Shukla A., Nisar K.S., Udhayakumar R.	Results on approximate controllability of Sobolev-type fractional neutral differential inclusions of Clarke subdifferential type	Chaos, Solitons and Fractals	151				5.944	10.1016/j.chaos.2021.111264
181	Dineshkumar C., Udhayakumar R., Vijayakumar V., Shukla A., Nisar K.S.	A note on approximate controllability for nonlocal fractional evolution stochastic integrodifferential inclusions of order $r \in (1,2)$ with delay	Chaos, Solitons and Fractals	153				5.944	10.1016/j.chaos.2021.111565
182	Sonsare P.M., C G.	Cascading 1D-Convnet Bidirectional Long Short Term Memory Network with Modified COCOB Optimizer: A Novel Approach for Protein Secondary Structure Prediction	Chaos, Solitons and Fractals	153				5.944	10.1016/j.chaos.2021.111446
183	Shukla A., Vijayakumar V., Nisar K.S.	A new exploration on the existence and approximate controllability for fractional semilinear impulsive control systems of order $r \in (1,2)$	Chaos, Solitons and Fractals					5.944	10.1016/j.chaos.2021.111615

184	Zapico J.M., Acosta L., Pastor M., Rangasamy L., Marquez-Cantudo L., Coderch C., Ortin I., Nicolau- Sanus M., Puchades- Carrasco L., Pineda-Lucena A., Majali-Martinez A., Ramos P., de Pascual-Teresa B., Ramos A.	Design and synthesis of water-soluble and potent mmp-13 inhibitors with activity in human osteosarcoma cells	International Journal of Molecular Sciences	22	18			5.923	10.3390/ijms22189 976
185	Razi K., Bae D.- W., Muneer S.	Target-based physiological modulations and chloroplast proteome reveals a drought resilient rootstock in Okra ( <i>Abelmoschus esculentus</i> ) genotypes	International Journal of Molecular Sciences	22	23			5.923	10.3390/ijms2223 12996
186	Nishanth Rao R., Jena S., Mukherjee M., Maiti B., Chanda K.	Green synthesis of biologically active heterocycles of medicinal importance: a review	Environmental Chemistry Letters					5.922	10.1007/s10311- 021-01232-9
187	Sharma M., Kandasamy I., Vasanth W.B.	Comparison of neutrosophic approach to various deep learning models for sentiment analysis[Formula presented]	Knowledge- Based Systems	223				5.921	10.1016/j.knosys.2 021.107058

188	Mani P., Joo Y.H.	Fuzzy logic-based integral sliding mode control of multi-area power systems integrated with wind farms	Information Sciences	545		153	169	5.910	10.1016/j.ins.2020.07.076
189	Vasantharaj S., Sathiyavimal S., Senthilkumar P., Kalpana V.N., Rajalakshmi G., Alsehli M., Elfakhany A., Pugazhendhi A.	Enhanced photocatalytic degradation of water pollutants using bio-green synthesis of zinc oxide nanoparticles (ZnO NPs)	Journal of Environmental Chemical Engineering	9	4			5.909	10.1016/j.jece.2021.105772
190	Giri S., Mukherjee A.	Ageing with algal EPS reduces the toxic effects of polystyrene nanoplastics in freshwater microalgae <i>Scenedesmus obliquus</i>	Journal of Environmental Chemical Engineering	9	5			5.909	10.1016/j.jece.2021.105978
191	Desireddy S., Sabumon P.C.	Development of aerobic granulation system for simultaneous removal of C, N, and P in sequencing batch airlift reactor	Journal of Environmental Chemical Engineering	9	5			5.909	10.1016/j.jece.2021.106100
192	Ajitha B., Ahn C.W., Yadav P.V.K., Reddy Y.A.K.	Silver nanoparticle embedded polymethacrylic acid/polyvinylpyrrolidone nanofibers for catalytic application	Journal of Environmental Chemical Engineering	9	5			5.909	10.1016/j.jece.2021.106291

193	Rajangam R., Pugazhenthiran N., Krishna S., Mangalaraja R.V., Valdés H., Ravikumar A., Sathishkumar P.	Solar light-driven CoFe <sub>2</sub> O <sub>4</sub> /α-Ga <sub>2</sub> O <sub>3</sub> heterojunction nanorods mediated activation of peroxymonosulfate for photocatalytic degradation of norflurazon	Journal of Environmental Chemical Engineering	9	5			5.909	10.1016/j.jece.2021 .106237
194	Viannie L.R., Banapurmath N.R., Soudagar M.E.M., Nandi A.V., Hossain N., Shellikeri A., Kaulgud V., Mujtaba M.A., Khan S.A., Asif M.	Electrical and mechanical properties of flexible multiwalled carbon nanotube/poly (dimethylsiloxane) based nanocomposite sheets	Journal of Environmental Chemical Engineering	9	6			5.909	10.1016/j.jece.20 21.106550
195	Mani P., Rajan R., Joo Y.H.	Integral sliding mode control for T–S fuzzy descriptor systems	Nonlinear Analysis: Hybrid Systems	39				5.881	10.1016/j.nahs.202 0.100953
196	B. P., U. V.	In Vitro bioactivity, biocompatibility and corrosion resistance of multi-ionic (Ce/Si) co- doped hydroxyapatite porous coating on Ti-6Al-4 V for bone regeneration applications	Materials Science and Engineering C	119				5.880	10.1016/j.msec.202 0.111620

197	Venkatraman S.K., Choudhary R., Krishnamurithy G., Raghavendran H.R.B., Murali M.R., Kamarul T., Suresh A., Abraham J., Swamiappan S.	Biom mineralization, mechanical, antibacterial and biological investigation of larnite and rankinite bioceramics	Materials Science and Engineering C	118				5.880	10.1016/j.msec.202 0.111466
198	Sridharan D., Palaniappan A., Blackstone B.N., Dougherty J.A., Kumar N., Seshagiri P.B., Sayed N., Powell H.M., Khan M.	In situ differentiation of human-induced pluripotent stem cells into functional cardiomyocytes on a coaxial PCL-gelatin nanofibrous scaffold	Materials Science and Engineering C	118				5.880	10.1016/j.msec.202 0.111354
199	Choudhary R., Venkatraman S.K., Bulygina I., Senatov F., Kaloshkin S., Anisimova N., Kiselevskiy M., Knyazeva M., Kukui D., Walther F., Swamiappan S.	Biom mineralization, dissolution and cellular studies of silicate bioceramics prepared from eggshell and rice husk	Materials Science and Engineering C	118				5.880	10.1016/j.msec.202 0.111456

200	Tan J.K.E., Balan P., Birbilis N., Manivasagam G.	Corrosion-resistant Mg(OH) <sub>2</sub> /Mg-Fe layered double hydroxide (LDH) composite films on magnesium alloy WE43	Journal of the Taiwan Institute of Chemical Engineers					5.876	10.1016/j.jtice.20 21.104169
201	Jalalah M., Rudra S., Aljafari B., Irfan M., Almasabi S.S., Alsuwian T., Patil A.A., Nayak A.K., Harraz F.A.	Novel porous heteroatom-doped biomass activated carbon nanoflakes for efficient solid-state symmetric supercapacitor devices	Journal of the Taiwan Institute of Chemical Engineers					5.876	10.1016/j.jtice.20 21.11.015
202	Jeyakumar S., Kandasamy J., Karaca M., Karthik K., Sivakumar R.	Effect of hydrogen jets in supersonic mixing using strut injection schemes	International Journal of Hydrogen Energy	46	44	23013	23025	5.816	10.1016/j.ijhydene. 2021.04.123
203	Sathishkumar S., Mohamed Ibrahim M.	Parametric investigation on hydrogen driven homogeneous charge compression ignition mode with advanced diesel injection using chemical kinetics based numerical model	International Journal of Hydrogen Energy	46	40	21222	21238	5.816	10.1016/j.ijhydene. 2021.03.232
204	Chandrasekar M., Gopal P., Ramesh Kumar C., Edwin Geo V.	Effect of solar photovoltaic and various photovoltaic air thermal systems on hydrogen generation by water electrolysis	International Journal of Hydrogen Energy					5.816	10.1016/j.ijhydene. 2021.04.205

205	Duraisamy M., Mari E., Chinnuswamy V., Senthilkumar S., Lin Y.-C., Ponnusamy V.K.	Novel palladium- decorated molybdenum carbide/polyaniline nanohybrid material as superior electrocatalyst for fuel cell application	International Journal of Hydrogen Energy					5.816	10.1016/j.ijhyden e.2021.11.200
206	Senthilraja S., Gangadevi R., Köten H., Marimuthu R., Awad M.M.	Performance analysis of a novel hydrogen production system incorporated with hybrid solar collector and phase change material	International Journal of Hydrogen Energy					5.816	10.1016/j.ijhydene. 2021.12.046
207	Jayaraj R., Shaw P., Shetty S., Kumaraswamy C., Gothandam K.M., Ravishankar Ram M., Baxi S.	Comment on “Supplemental breast cancer-screening ultrasonography in women with dense breasts: a systematic review and meta-analysis”	British Journal of Cancer					5.791	10.1038/s41416- 021-01348-3
208	Gauthaman A., Jacob R., Pasupati S., Rajadurai A., Doss C.G.P., Moorthy A.	Novel peptide—based inhibitor for targeted inhibition of T cell function	Journal of Cell Communication and Signaling					5.782	10.1007/s12079- 021-00660-0
209	Saha M., Naik A., Desai A., Nanajkar M., Rathore C., Kumar M., Gupta P.	Microplastics in seafood as an emerging threat to marine environment: A case study in Goa, west coast of India	Chemosphere	270				5.778	10.1016/j.chemosp here.2020.129359

210	Tatarchuk T., Myslin M., Lapchuk I., Shyichuk A., Murthy A.P., Gargula R., Kurzydło P., Bogacz B.F., Pędziwiatr A.T.	Magnesium-zinc ferrites as magnetic adsorbents for Cr(VI) and Ni(II) ions removal: Cation distribution and antistructure modeling	Chemosphere	270				5.778	10.1016/j.chemosp here.2020.129414
211	Venkatesan Savunthari K., Arunagiri D., Shanmugam S., Ganesan S., Arasu M.V., Al-Dhabi N.A., Chi N.T.L., Ponnusamy V.K.	Green synthesis of lignin nanorods/g-C3N4 nanocomposite materials for efficient photocatalytic degradation of triclosan in environmental water	Chemosphere	272				5.778	10.1016/j.chemosp here.2021.129801
212	Palanisamy G., Bhuvaneswari K., Bharathi G., Pazhanivel T., Grace A.N., Pasha S.K.K.	Construction of magnetically recoverable ZnS–WO3–CoFe2O4 nanohybrid enriched photocatalyst for the degradation of MB dye under visible light irradiation	Chemosphere	273				5.778	10.1016/j.chemosp here.2021.129687
213	Renu K., Chakraborty R., Myakala H., Koti R., Famurewa A.C., Madhyastha H., Vellingiri B., George A., Valsala Gopalakrishnan A.	Molecular mechanism of heavy metals (Lead, Chromium, Arsenic, Mercury, Nickel and Cadmium) - induced hepatotoxicity – A review	Chemosphere	271				5.778	10.1016/j.chemosp here.2021.129735



214	Thangamani G.J., Pasha S.K.K.	Titanium dioxide (TiO <sub>2</sub> ) nanoparticles reinforced polyvinyl formal (PVF) nanocomposites as chemiresistive gas sensor for sulfur dioxide (SO <sub>2</sub> ) monitoring	Chemosphere	275				5.778	10.1016/j.chemosphere.2021.129960
215	Gounder Thangamani J., Khadheer Pasha S.K.	Hydrothermal synthesis of copper (II) oxide-nanoparticles with highly enhanced BTEX gas sensing performance using chemiresistive sensor	Chemosphere	277				5.778	10.1016/j.chemosphere.2021.130237
216	Yadav P.V.K., Ajitha B., Kumar Reddy Y.A., Sreedhar A.	Recent advances in development of nanostructured photodetectors from ultraviolet to infrared region: A review	Chemosphere	279				5.778	10.1016/j.chemosphere.2021.130473
217	Chandrasekhar K., Velvizhi G., Venkata Mohan S.	Bio-electrocatalytic remediation of hydrocarbons contaminated soil with integrated natural attenuation and chemical oxidant	Chemosphere	280				5.778	10.1016/j.chemosphere.2021.130649

218	Thangamani G.J., Deshmukh K., Kovářík T., Nambiraj N.A., Ponnamma D., Sadasivuni K.K., Khalil H.P.S.A., Pasha S.K.K.	Graphene oxide nanocomposites based room temperature gas sensors: A review	Chemosphere	280				5.778	10.1016/j.chemosp here.2021.130641
219	Chidambaram S., Ganesan M.K., Sivakumar M., Pandiaraj S., Muthuramamoort hy M., Basavarajappa S., Abdullah Al- Kheraif A., Aruna kumari M.L., Grace A.N.	Au integrated 2D ZnO heterostructures as robust visible light photocatalysts	Chemosphere	280				5.778	10.1016/j.chemosp here.2021.130594
220	Parhi S.S., Rangaiah G.P., Jana A.K.	A novel vapor recompressed batch extractive distillation: Design and retrofitting	Separation and Purification Technology	260				5.774	10.1016/j.seppur.2 020.118225
221	Xiong H., Jin C., Alazab M., Yeh K., Wang H., Gadekallu T.R.R., Wang W., Su C.	On the Design of Blockchain-based ECDSA with Fault-tolerant Batch Verification Protocol for Blockchain-enabled IoMT	IEEE Journal of Biomedical and Health Informatics					5.772	10.1109/JBHI.2021. 3112693
222	Raja Sekhar Y., Pandey A.K., Mahbubul I.M., Ram Sai Avinash G., Venkat V., Pochont N.R.	Experimental study on drying kinetics for Zingiber Officinale using solar tunnel dryer with thermal energy storage	Solar Energy					5.742	10.1016/j.solener.2 021.08.011

223	Gopikumar S., Banu J.R., Robinson Y.H., Shanmuganathan V., Kadry S., Rho S.	Novel framework of GIS based automated monitoring process on environmental biodegradability and risk analysis using Internet of Things	Environmental Research	194				5.715	10.1016/j.envres.2 020.110621
224	Saboor S., Chelliah A., Gorantla K.K., Kim K.-H., Lee S.- H., Shon Z.H., Brown R.J.C.	Strategic design of wall envelopes for the enhancement of building thermal performance at reduced air-conditioning costs	Environmental Research	193				5.715	10.1016/j.envres.2 020.110577
225	Natarajan L., Jenifer M.A., Mukherjee A.	Eco-corona formation on the nanomaterials in the aquatic systems lessens their toxic impact: A comprehensive review	Environmental Research	194				5.715	10.1016/j.envres.2 020.110669

226	Iyer M., Tiwari S., Renu K., Pasha M.Y., Pandit S., Singh B., Raj N., Krothapalli S., Kwak H.J., Balasubramanian V., Jang S.B., G. D.K., Utpal A., Narayanasamy A., Kinoshita M., Subramaniam M.D., Nachimuthu S.K., Roy A., Valsala Gopalakrishnan A., Ramakrishnan P., Cho S.-G., Vellingiri B.	Environmental survival of SARS-CoV-2 – A solid waste perspective	Environmental Research	197				5.715	10.1016/j.envres.2021.111015
227	Sreekanth S.P., Alodhayb A., Assaifan A.K., Alzahrani K.E., Muthuramamoorthy M., Alkhamash H.I., Pandiaraj S., Alswieleh A.M., Van Le Q., Mangaiyarkarasi R., Grace A.N., Raghavan V.	Multi-walled carbon nanotube-based nanobiosensor for the detection of cadmium in water	Environmental Research	197				5.715	10.1016/j.envres.2021.111148

228	Nivetha R., Gothandapani K., Raghavan V., Van Le Q., Pitchaimuthu S., Muthuramamoorthy M., Pandiaraj S., Alodhayb A., Kwan Jeong S., Nirmala Grace A.	Nano-MOF-5 (Zn) Derived Porous Carbon as Support Electrocatalyst for Hydrogen Evolution Reaction	ChemCatChem					5.686	10.1002/cctc.20210 0958
229	Dolai S., Bhunia S.K., Kluson P., Stavarek P., Pittermannova A.	Solvent-Assisted Synthesis of Supramolecular- Assembled Graphitic Carbon Nitride for Visible Light Induced Hydrogen Evolution – A Review	ChemCatChem					5.686	10.1002/cctc.20210 1299
230	Moolya S., Anbalgan S.	Optimization of the effect of Prandtl number, inclination angle, magnetic field, and Richardson number on double-diffusive mixed convection flow in a rectangular domain	International Communications in Heat and Mass Transfer	126				5.683	10.1016/j.icheatma sstransfer.2021.105 358
231	M D., P L., K V.	Chemically reacting viscous fluid flow on a permeable cylinder susceptible to oscillations	International Communications in Heat and Mass Transfer	126				5.683	10.1016/j.icheatma sstransfer.2021.105 477

232	Navakoteswara Rao V., Malu T.J., Cheralathan K.K., Sakar M., Pitchaimuthu S., Rodríguez-González V., Mamatha Kumari M., Shankar M.V.	Light-driven transformation of biomass into chemicals using photocatalysts – Vistas and challenges	Journal of Environmental Management	284				5.647	10.1016/j.jenvman.2021.111983
233	Selvaraj D., Velvizhi G.	Sustainable ecological engineering systems for the treatment of domestic wastewater using emerging, floating and submerged macrophytes	Journal of Environmental Management	286				5.647	10.1016/j.jenvman.2021.112253
234	Shaik N.B., Pedapati S.R., Othman A.R., Bingi K., Dzubir F.A.A.	An intelligent model to predict the life condition of crude oil pipelines using artificial neural networks	Neural Computing and Applications					5.606	10.1007/s00521-021-06116-1
235	Kumar R., Al-Turjman F., Srinivas L.N.B., Braveen M., Ramakrishnan J.	ANFIS for prediction of epidemic peak and infected cases for COVID-19 in India	Neural Computing and Applications					5.606	10.1007/s00521-021-06412-w
236	Chouragade J., Muthu R.K.	Continuous Mapping of Broadband VHF Lightning Sources by Real-Valued MUSIC	IEEE Transactions on Geoscience and Remote Sensing					5.600	10.1109/TGRS.2021.3083446

237	Mahalaxmi I., Subramaniam M.D., Gopalakrishnan A.V., Vellingiri B.	Dysfunction in Mitochondrial Electron Transport Chain Complex I, Pyruvate Dehydrogenase Activity, and Mutations in ND1 and ND4 Gene in Autism Spectrum Disorder Subjects from Tamil Nadu Population, India	Molecular Neurobiology					5.590	10.1007/s12035- 021-02492-w
238	Rajak U., Nashine P., Chaurasiya P.K., Verma T.N., Patel D.K., Dwivedi G.	Experimental & predicative analysis of engine characteristics of various biodiesels	Fuel	285				5.578	10.1016/j.fuel.2020 .119097
239	Sudan Reddy Dandu M., Nanthagopal K.	Clean Karanja methyl ester compatibility study on long term tribological behavior of a compression ignition engine	Fuel	291				5.578	10.1016/j.fuel.2021 .120148
240	Chacko N., Johnson C., Varadarajan P., Sai Srinivas S., Jeyaseelan T.	A comparative evaluation of cetane enhancing techniques for improving the smoke, NOx and BSFC trade-off in an automotive diesel engine	Fuel	289				5.578	10.1016/j.fuel.2020 .119918

241	Sangeetha M., Manigandan S., Ashok B., Brindhadevi K., Pugazhendhi A.	Experimental investigation of nanofluid based photovoltaic thermal (PV/T) system for superior electrical efficiency and hydrogen production	Fuel	286				5.578	10.1016/j.fuel.2020.119422
242	Saiteja P., Ashok B.	A critical insight review on homogeneous charge compression ignition engine characteristics powered by biofuels	Fuel	285				5.578	10.1016/j.fuel.2020.119202
243	Vignesh R., Ashok B., Jeevanantham A.K., Jacob A., Bhembre R.D.P., Sharma S.S., Hire K.R.B.	Enhancement of idling characteristics using multi-objective approach in light-duty diesel Vehicle fuelled with orange peel biofuel	Fuel	291				5.578	10.1016/j.fuel.2021.120222
244	Chacko N., Rajkumar S., Thangaraja J.	Experimental and modeling analysis of multiple-injection strategies with B20 operation in a CRDI engine	Fuel	293				5.578	10.1016/j.fuel.2021.120433
245	Feroskhan M., Thangavel V., Subramanian B., Sankaralingam R.K., Ismail S., Chaudhary A.	Effects of operating parameters on the performance, emission and combustion indices of a biogas fuelled HCCI engine	Fuel	298				5.578	10.1016/j.fuel.2021.120799



246	Thirupataiah B., Mounika G., Reddy G.S., Kumar J.S., Hossain K.A., Medishetti R., Samarpita S., Rasool M., Mudgal J., Mathew J.E., Shenoy G.G., Rao C.M., Chatti K., Parsa K.V.L., Pal M.	PdCl <sub>2</sub> -catalyzed synthesis of a new class of isocoumarin derivatives containing aminosulfonyl / aminocarboxamide moiety: First identification of a isocoumarin based PDE4 inhibitor	European Journal of Medicinal Chemistry	221				5.572	10.1016/j.ejmech.2 021.113514
247	Vasudevan K., Thirumal Kumar D., Udhaya Kumar S., Saleem A., Nagasundaram N., Siva R., Tayubi I.A., George Priya Doss C., Zayed H.	A computational overview on phylogenetic characterization, pathogenic mutations, and drug targets for Ebola virus disease	Current Opinion in Pharmacology	61		28	35	5.547	10.1016/j.coph.20 21.08.015
248	Mamdiwar S.D., Akshith R., Shakruwala Z., Chadha U., Srinivasan K., Chang C.-Y.	Recent advances on iot- assisted wearable sensor systems for healthcare monitoring	Biosensors	11	10			5.519	10.3390/bios1110 0372

249	Paulmurugan K., Vijayaragavan V., Ghosh S., Padmanabhan P., Gulyás B.	Brain-computer interfacing using functional near-infrared spectroscopy (Fnirs)	Biosensors	11	10			5.519	10.3390/bios11100 389
250	M.S. I., Cherukuri A.K.	Quantum-inspired ensemble approach to multi-attributed and multi- agent decision-making	Applied Soft Computing	106				5.472	10.1016/j.asoc.202 1.107283
251	Karthik R.V., Ganapathy S.	A fuzzy recommendation system for predicting the customers interests using sentiment analysis and ontology in e-commerce	Applied Soft Computing	108				5.472	10.1016/j.asoc.202 1.107396
252	Balaji E., Brindha D., Elumalai V.K., Vikrama R.	Automatic and non- invasive Parkinson's disease diagnosis and severity rating using LSTM network	Applied Soft Computing	108				5.472	10.1016/j.asoc.202 1.107463
253	Pedugu Sivaraman S., Mohan A.M.	Chromoionophoric ligand impregnated mesoporous polymeric optical sensors for the colorimetric quantification of Cu <sup>2+</sup> in water samples	Microporous and Mesoporous Materials	326				5.455	10.1016/j.microme so.2021.111390
254	Kamarudheen N., Khaparde A., Gopal S., Rao K.B.	Unraveling a natural protease inhibitor from marine Streptomyces griseoincarnatus HK12 active against Chikungunya virus	Microbiological Research	252				5.415	10.1016/j.micres.20 21.126858

255	Pitchaimani J., Gupta P., Rajamohan V., Polit O., Manickam G.	Acoustic fluid–structure study of 2D cavity with composite curved flexible walls using graphene platelets reinforcement by higher-order finite element approach	Composite Structures	272				5.407	10.1016/j.compstruct.2021.114180
256	Selvaraj R., Ramamoorthy M., Arumugam A.B.	Experimental and numerical studies on dynamic performance of the rotating composite sandwich panel with CNT reinforced MR elastomer core	Composite Structures	277				5.407	10.1016/j.compstruct.2021.114560
257	Kontoleon K.J., Stefanidou M., Saboor S., Mazzeo D., Karaoulis A., Zegginis D., Kraniotis D.	Defensive behaviour of building envelopes in terms of mechanical and thermal responsiveness by incorporating PCMs in cement mortar layers	Sustainable Energy Technologies and Assessments	47				5.353	10.1016/j.seta.2021.101349
258	Zhu W., Jiang D., Muthu B., Seetharam T.G.	Importance of implementing smart renewable energy system using heuristic neural decision support system	Sustainable Energy Technologies and Assessments	45				5.353	10.1016/j.seta.2021.101185

259	Ganesh Kumar P., Sakthivadivel D., Thangapandian N., Salman M., Kumar Thakur A., Sathyamurthy R., Chul Kim S.	Effects of ultasonication and surfactant on the thermal and electrical conductivity of water – Solar glycol mixture based Al <sub>2</sub> O <sub>3</sub> nanofluids for solar-thermal applications	Sustainable Energy Technologies and Assessments	47				5.353	10.1016/j.seta.2021.101371
260	Vasa T.N., Pothanamkandathi I Chacko S.	Recovery of struvite from wastewaters as an eco-friendly fertilizer: Review of the art and perspective for a sustainable agriculture practice in India	Sustainable Energy Technologies and Assessments	48				5.353	10.1016/j.seta.2021.101573
261	Arumugam C., Shaik S.	Air-conditioning cost saving and CO <sub>2</sub> emission reduction prospective of buildings designed with PCM integrated blocks and roofs	Sustainable Energy Technologies and Assessments	48				5.353	10.1016/j.seta.2021.101657
262	Yadav S., Satija J.	The current state of the art of plasmonic nanofibrous mats as SERS substrates: Design, fabrication and sensor applications	Journal of Materials Chemistry B	9	2	267	282	5.344	10.1039/d0tb02137g
263	Manochkumar J., Doss C.G.P., El-Seedi H.R., Efferth T., Ramamoorthy S.	The neuroprotective potential of carotenoids in vitro and in vivo	Phytomedicine	91				5.34	10.1016/j.phymed.2021.153676

264	Salunke D.R., Gopalan V.	Thermal Conductivity of Boron Nitride/ Banana Fiber Reinforced Epoxy Hybrid Composites	Journal of Natural Fibers					5.323	10.1080/1544047 8.2021.1966568
265	Gorantla K., Shaik S., Kontoleon K.J., Mazzeo D., Maduru V.R., Shaik S.V.	Sustainable reflective triple glazing design strategies: Spectral characteristics, air- conditioning cost savings, daylight factors, and payback periods	Journal of Building Engineering	42				5.318	10.1016/j.job.202 1.103089
266	Ramesh S., Govarthanan K., Ostrovidov S., Zhang H., Hu Q., Camci-Unal G., Verma R.S., Ramalingam M.	Cardiac Differentiation of Mesenchymal Stem Cells: Impact of Biological and Chemical Inducers	Stem Cell Reviews and Reports					5.316	10.1007/s12015- 021-10165-3
267	Manohar A., Vijayakanth V., Pallavolu M.R., Kim K.H.	Effects of Ni - substitution on structural, magnetic hyperthermia, photocatalytic and cytotoxicity study of MgFe <sub>2</sub> O <sub>4</sub> nanoparticles	Journal of Alloys and Compounds	879				5.316	10.1016/j.jallcom.2 021.160515
268	Manohar A., Vijayakanth V., Kim K.H.	Influence of Ca doping on ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles magnetic hyperthermia and cytotoxicity study	Journal of Alloys and Compounds	886				5.316	10.1016/j.jallcom.2 021.161276

269	Neikter M., Raja D.C., Balachandramurthi A.R., Harlin P.	Tailored ductility and strength for enhanced impact toughness of laser powder fusion built Alloy 718	Journal of Alloys and Compounds	884				5.316	10.1016/j.jallcom.2021.161374
270	Shankar C., Basu S., Lal B., Shanmugam S., Vasudevan K., Mathur P., Ramaiah S., Anbarasu A., Veeraraghavan B.	Aerobactin Seems To Be a Promising Marker Compared With Unstable RmpA2 for the Identification of Hypervirulent Carbapenem-Resistant <i>Klebsiella pneumoniae</i> : In Silico and In Vitro Evidence	Frontiers in Cellular and Infection Microbiology	11				5.293	10.3389/fcimb.2021.709681
271	Arumugam S., Kandasamy J., Sultan M.T.H., Shah A.U.M., Safri S.N.A.	Investigations on fatigue analysis and biomimetic mineralization of glass fiber/sisal fiber/chitosan reinforced hybrid polymer sandwich composites	Journal of Materials Research and Technology	10		512	525	5.289	10.1016/j.jmrt.2020.11.106
272	Gadekar P.K., Urunkar G., Roychowdhury A., Sharma R., Bose J., Khanna S., Damre A., Sarveswari S.	Design, synthesis and biological evaluation of 2,3-dihydroimidazo[2,1-b]thiazoles as dual EGFR and IGF1R inhibitors	Bioorganic Chemistry	115				5.275	10.1016/j.bioorg.2021.105151

273	Kalathinathan P., Pulicherla K., Sain A., Gomathinayagam S., Jayaraj R., Thangaraj S., Kodiveri Muthukaliannan G.	New alkali tolerant $\beta$ -galactosidase from <i>Paracoccus marcusii</i> KGP – A promising biocatalyst for the synthesis of oligosaccharides derived from lactulose (OsLu), the new generation prebiotics	Bioorganic Chemistry	115				5.275	10.1016/j.bioorg.2021.105207
274	Pathak A., Pandey V., Raj Pokharel Y., Devaraji V., Ali A., Haider K., Saad S., Dewangan R.P., Siddiqui N., Shahar Yar M.	Pharmacophore based drug design and synthesis of oxindole bearing hybrid as anticancer agents	Bioorganic Chemistry	116				5.275	10.1016/j.bioorg.2021.105358
275	Ganesapillai M., Drewnowski J., Ranjan S., Selvaraj T.	Sustainable recovery of plant essential Nitrogen and Phosphorus from human urine using industrial coal fly ash	Environmental Technology and Innovation	24				5.263	10.1016/j.eti.2021.101985
276	Kumar D., Shankar G., Prashanth K.G., Suwas S.	Texture dependent strain hardening in additively manufactured stainless steel 316L	Materials Science and Engineering A	820				5.234	10.1016/j.msea.2021.141483
277	Srinivasan E., Chandrasekhar G., Chandrasekar P., Anbarasu K., Vickram A.S., Tayubi I.A., Rajasekaran R., Karunakaran R.	Decoding Conformational Imprint of Convolute Molecular Interactions Between Prenylflavonoids and Aggregated Amyloid-Beta42 Peptide Causing Alzheimer's Disease	Frontiers in Chemistry	9				5.221	10.3389/fchem.2021.753146

278	Rehman A., Ur Rehman S., Khan M., Alazab M., G T.R.	CANintelliIDS: Detecting In-Vehicle Intrusion Attacks on a Controller Area Network using CNN and Attention-based GRU	IEEE Transactions on Network Science and Engineering					5.213	10.1109/TNSE.2021.3059881
279	Saha P., Rao K.V.B.	Immobilization as a powerful bioremediation tool for abatement of dye pollution: A review	Environmental Reviews	29	2	277	299	5.212	10.1139/er-2020-0074
280	Praveenkumar K., Mylavarapu P., Sarkar A., Isaac Samuel E., Nagesha A., Swaroop S.	Residual stress distribution and elevated temperature fatigue behaviour of laser peened Ti-6Al-4V with a curved surface	International Journal of Fatigue	156				5.186	10.1016/j.ijfatigue.2021.106641
281	Kumar U., Ramakrishna B., Varghese J., Vidhyapriya P., Sakthivel N., Manimaran B.	Self-Assembled Manganese(I)-Based Selenolato-Bridged Tetranuclear Metallocenes: Host-Guest Interaction, Anticancer, and CO-Releasing Studies	Inorganic Chemistry	60	17	13284	13298	5.165	10.1021/acs.inorgchem.1c01636
282	Panchangam R.L., Rao R.N., Balamurali M.M., Hingamire T.B., Shanmugam D., Manickam V., Chanda K.	Antitumor Effects of Ir(III)-2 H-Indazole Complexes for Triple Negative Breast Cancer	Inorganic Chemistry					5.165	10.1021/acs.inorgchem.1c02193



283	Sohan A., Banoth P., Aleksandrova M., Nirmala Grace A., Kollu P.	Review on MXene synthesis, properties, and recent research exploring electrode architecture for supercapacitor applications	International Journal of Energy Research					5.164	10.1002/er.7068
284	Choudhari M.S., Sharma V.K.	Performance investigations on hydrogen-based thermochemical energy storage system through finite volume method and thermodynamic simulation	International Journal of Energy Research					5.164	10.1002/er.7093
285	Gothandapani K., Grace A.N., Venugopal V.	Mesoporous carbon-supported CO <sub>3</sub> O <sub>4</sub> derived from Zif-67 metal organic framework (MOF) for hydrogen evolution reaction in acidic and alkaline medium	International Journal of Energy Research					5.164	10.1002/er.7388
286	Sujitha P., Shanthi C.	Insights into substrate specificity of proteases for screening efficient dehairing enzymes	International Journal of Biological Macromolecules	172		360	370	5.162	10.1016/j.ijbiomac.2021.01.065
287	Rajan A., Sahu N.K.	Hydrophobic-to-Hydrophilic Transition of Fe <sub>3</sub> O <sub>4</sub> Nanorods for Magnetically Induced Hyperthermia	ACS Applied Nano Materials					5.097	10.1021/acsnm.1c00274

288	Gnanasekar S., Grace A.N.	Titanium Nitride Nanoflower Buds as Pt- Free Counter Electrodes for Dye-Sensitized Solar Cells	ACS Applied Nano Materials					5.097	10.1021/acsanm.1c 01447
289	Rajendran S., Ramanaiah D.V., Kundu S., Bhunias S.K.	Yellow Fluorescent Carbon Dots for Selective Recognition of As <sup>3+</sup> and Fe <sup>3+</sup> Ions	ACS Applied Nano Materials					5.097	10.1021/acsanm. 1c02391
290	Srinivasan E., Chandrasekhar G., Chandrasekar P., Anbarasu K., Vickram A.S., Karunakaran R., Rajasekaran R., Srikumar P.S.	Alpha-Synuclein Aggregation in Parkinson's Disease	Frontiers in Medicine	8				5.091	10.3389/fmed.2021 .736978
291	Vickram A.S., Anbarasu K., Jeyanthi P., Gulothungan G., Nanmaran R., Thanigaivel S., Sridharan T.B., Rohini K.	Identification and Structure Prediction of Human Septin-4 as a Biomarker for Diagnosis of Asthenozoospermic Infertile Patients—Critical Finding Toward Personalized Medicine	Frontiers in Medicine	8				5.091	10.3389/fmed.202 1.723019

292	Varghese P.M., Murugaiah V., Beirag N., Temperton N., Khan H.A., Alrokayan S.H., Al- Ahdal M.N., Nal B., Al-Mohanna F.A., Sim R.B., Kishore U.	C4b Binding Protein Acts as an Innate Immune Effector Against Influenza A Virus	Frontiers in Immunology	11				5.085	10.3389/fimmu.202 0.585361
293	Mangogna A., Varghese P.M., Agostinis C., Alrokayan S.H., Khan H.A., Stover C.M., Belmonte B., Martorana A., Ricci G., Bulla R., Kishore U.	Prognostic Value of Complement Properdin in Cancer	Frontiers in Immunology	11				5.085	10.3389/fimmu.202 0.614980
294	Manohar P., Madurantakam Royam M., Loh B., Bozdogan B., Nachimuthu R., Leptihn S.	Synergistic Effects of Phage-Antibiotic Combinations against Citrobacter amalonaticus	ACS Infectious Diseases					5.084	10.1021/acsinfectdis .1c00117
295	Shankar K., Mohanty S.N., Yadav K., Gopalakrishnan T., Elmisery A.M.	Automated COVID-19 diagnosis and classification using convolutional neural network with fusion based feature extraction model	Cognitive Neurodynamics					5.082	10.1007/s11571- 021-09712-y

296	Pasha A., Kumbhakar D.V., Doneti R., Kumar K., Dharmapuri G., Poleboyina P.K., S. K. H., Basavaraju P., Pasumarthi D., S. D. A., Soujanya P., Arnold Emeson I., Bodiga V., Pawar S.C.	Inhibition of Inducible Nitric Oxide Synthase (iNOS) by Andrographolide and in Vitro Evaluation of Its Antiproliferative and Proapoptotic Effects on Cervical Cancer	Oxidative Medicine and Cellular Longevity	2021				5.076	10.1155/2021/669 2628
297	James J., Annamalai A.R., Muthuchamy A., Jen C.-P.	Effect of wettability and uniform distribution of reinforcement particle on mechanical property (Tensile) in aluminum metal matrix composite—A review	Nanomaterials	11	9			5.076	10.3390/nano1109 2230
298	Loganathan T.M., Sultan M.T.H., Ahsan Q., Jawaid M., Naveen J., Shah A.U.M., Talib A.R.A., Basri A.A., Jaafar C.N.A.	Effect of cyrtostachys renda fiber loading on the mechanical, morphology, and flammability properties of multi-walled carbon nanotubes/phenolic bio- composites	Nanomaterials	11	11			5.076	10.3390/nano1111 3049
299	Elanchezian M., Senthilkumar S.	Redox-active gold nanoparticle- encapsulated poly(amidoamine) dendrimer for electrochemical sensing of 4-aminophenol	Journal of Molecular Liquids	325				5.065	10.1016/j.molliq.20 20.115131

300	Pérez-Sánchez H., Thirumal Kumar D., George Priya Doss C., Rodríguez-Schmidt R., Cerón-Carrasco J.P., Peña-García J., Ye Z.-W., Yuan S., Günther S.	Prediction and characterization of influenza virus polymerase inhibitors through blind docking and ligand based virtual screening	Journal of Molecular Liquids	321				5.065	10.1016/j.molliq.2020.114784
301	Said Z., Sundar L.S., Rezk H., Nassef A.M., Chakraborty S., Li C.	Thermophysical properties using ND/water nanofluids: An experimental study, ANFIS-based model and optimization	Journal of Molecular Liquids	330				5.065	10.1016/j.molliq.2021.115659
302	Rani J.J., Jayaseeli A.M.I., Rajagopal S., Seenithurai S., Chai J.-D., Raja J.D., Rajasekaran R.	Synthesis, characterization, antimicrobial, BSA binding, DFT calculation, molecular docking and cytotoxicity of Ni(II) complexes with Schiff base ligands	Journal of Molecular Liquids	328				5.065	10.1016/j.molliq.2021.115457
303	Murthy V.S., Tamboli Y., Krishna V.S., Sriram D., Akber Ansari S., Alarfaj A.A., Hiram A.H., Vijayakumar V.	Design and characterisation of piperazine-benzofuran integrated dinitrobenzenesulfonamide as Mycobacterium tuberculosis H37Rv strain inhibitors	Journal of Enzyme Inhibition and Medicinal Chemistry	36	1	1751	1759	5.051	10.1080/14756366.2021.1956914

304	Priyadarshini B., Ramya S., Shinyjoy E., Kavitha L., Gopi D., Vijayalakshmi U.	Structural, morphological and biological evaluations of cerium incorporated hydroxyapatite sol-gel coatings on Ti-6Al-4V for orthopaedic applications	Journal of Materials Research and Technology	12		1319	1338	5.039	10.1016/j.jmrt.202 1.03.009
305	Swathi Pon Sakthi Sri V., Manikandan A., Mathankumar M., Tamizhselvi R., George M., Murugaiah K., Kashmery H.A., Al- Zahrani S.A., Puttegowda M., Khan A., Asiri A.M.	Unveiling the photosensitive and magnetic properties of amorphous iron nanoparticles with its application towards decontamination of water and cancer treatment	Journal of Materials Research and Technology	15		99	118	5.039	10.1016/j.jmrt.202 1.07.145
306	Bhat A., Naveen J., Jawaid M., Norrurahim M.N.F., Rashedi A., Khan A.	Advancement in fiber reinforced polymer, metal alloys and multi-layered armour systems for ballistic applications – A review	Journal of Materials Research and Technology	15		1300	1317	5.039	10.1016/j.jmrt.202 1.08.150

307	Deenadayalan K., Murali V., Elayaperumal A., Arulvel S.	Effective role of short time furnace heat treatment and laser treatment on the residual stress and mechanical properties of NiCrBSi–WC weldments produced using plasma transferred arc welding process	Journal of Materials Research and Technology	15		3492	3513	5.039	10.1016/j.jmrt.2021.09.113
308	Suprakash A.S., Karthiyaini S., Shanmugasundaram M.	Future and scope for development of calcium and silica rich supplementary blends on properties of self-compacting concrete - A comparative review	Journal of Materials Research and Technology	15		5662	5681	5.039	10.1016/j.jmrt.2021.11.026
309	Patil A.U., Madathil D., Huang C.-M.	Age-related and individual variations in altered prefrontal and cerebellar connectivity associated with the tendency of developing internet addiction	Human Brain Mapping					5.038	10.1002/hbm.25562
310	Hiraganahalli Bhaskarmurthy D., Evan Prince S.	Effect of Baricitinib on TPA-induced psoriasis like skin inflammation	Life Sciences	279				5.037	10.1016/j.lfs.2021.119655
311	Katturajan R., Evan Prince S.	A role of connexin 43 on the drug-induced liver, kidney, and gastrointestinal tract toxicity with associated signaling pathways	Life Sciences	280				5.037	10.1016/j.lfs.2021.119629

312	Easwaramoorthy D., Gowrisankar A., Manimaran A., Nandhini S., Rondoni L., Banerjee S.	An exploration of fractal-based prognostic model and comparative analysis for second wave of COVID-19 diffusion	Nonlinear Dynamics					5.022	10.1007/s11071-021-06865-7
313	Karimi J., Xie M.S., Wang Z., Prashanth K.G.	Influence of substructures on the selective laser melted Ti-6Al-4V alloy as a function of laser re-melting	Journal of Manufacturing Processes	68		1387	1394	5.010	10.1016/j.jmapro.2021.06.059
314	Taraphdar P.K., Kumar R., Giri A., Pandey C., Mahapatra M.M., Sridhar K.	Residual stress distribution in thick double-V butt welds with varying groove configuration, restraints and mechanical tensioning	Journal of Manufacturing Processes	68		1405	1417	5.010	10.1016/j.jmapro.2021.06.046
315	Arunachalam N., Suya Prem Anand P., Vijayaraghavan L.	Investigation of tribological conditions on grinding of bioceramic material using diamond grinding wheel under different cooling and lubrication environment	Journal of Manufacturing Processes	71		550	564	5.010	10.1016/j.jmapro.2021.09.004
316	Khajone V.B., Raut S.U., Deshmukh S.A., Bhansali K.J., Balinge K.R., Muskawar P.N., Bhagat P.R.	Recyclable polymer-supported carboxyl functionalized Zn-porphyrin photocatalyst for transfer hydrogenation of levulinic acid to $\gamma$ -valerolactone	Biomass Conversion and Biorefinery					4.987	10.1007/s13399-021-01688-3



317	Raut S.U., Bhagat P.R.	Efficient photocatalytic acetalization of furfural to biofuel components using carboxyl-functionalized porphyrin photocatalyst, under visible light irradiations	Biomass Conversion and Biorefinery					4.987	10.1007/s13399-021-01658-9
318	Radha E., Gomathi T., Sudha P.N., Latha S., Ghfar A.A., Hossain N.	Adsorption studies on removal of Pb(II) and Cd(II) ions using chitosan derived copolymeric blend	Biomass Conversion and Biorefinery					4.987	10.1007/s13399-021-01918-8
319	Shanthakumar S., Abinandan S., Venkateswarlu K., Subashchandrabose S.R., Megharaj M.	Algalization of acid soils with acid-tolerant strains: Improvement in pH, carbon content, exopolysaccharides, indole acetic acid and dehydrogenase activity	Land Degradation and Development	32	11	3157	3166	4.977	10.1002/ldr.3849
320	Manojkumar N., Srimuruganandam B.	Investigation of on-road fine particulate matter exposure concentration and its inhalation dosage levels in an urban area	Building and Environment	198				4.971	10.1016/j.buildenv.2021.107914
321	Sivagami K., Divyapriya G., Selvaraj R., Madhiyazhagan P., Sriram N., Nambi I.	Catalytic pyrolysis of polyolefin and multilayer packaging based waste plastics: A pilot scale study	Process Safety and Environmental Protection	149		497	506	4.966	10.1016/j.psep.2020.10.038
322	Sivagami K., Tamizhdurai P., Mujahed S., Nambi I.	Process optimization for the recovery of oil from tank bottom sludge using microwave pyrolysis	Process Safety and Environmental Protection	148		392	399	4.966	10.1016/j.psep.2020.10.004

323	Kannan U., Sabumon P.C., Maliyekkal S.M.	Development of an eco-friendly and reusable point-of-use disinfection system	Process Safety and Environmental Protection	148		104	113	4.966	10.1016/j.psep.2020.09.055
324	Tiwari N., Moharana M.K.	Conjugate effect on flow boiling instability in wavy microchannel	International Journal of Heat and Mass Transfer	166				4.947	10.1016/j.ijheatmasstransfer.2020.120791
325	Feroskhan M., Ismail S., Panchal S.H.	Study of methane enrichment in a biogas fuelled HCCI engine	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2021.02.216
326	Sharma V.K., Satheesh A., Kumar E.A.	Performance investigation of a two-stage sorption hydrogen compressor	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2021.02.155
327	Manimaran R.	Numerical investigations of hydrogen and air mixture with vortex tube and duct combinations	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2021.03.021
328	Jeyaseelan T., Chacko N., N P., O S.M.K., Alexander J., Porpatham E.	Partial hydrogenation and hydrogen induction: A comparative study with B20 operation in a turbocharged CRDI diesel engine	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2021.04.068

329	Samarpita S., Rasool M.	Cyanidin restores Th17/Treg balance and inhibits T follicular helper cell differentiation via modulation of ROCK2 signaling in an experimental model of rheumatoid arthritis	International Immunopharmacology	101				4.932	10.1016/j.intimp.2021.108359
330	Mangayarkarasi R., Vanmathi C., Khan M.Z., Noorwali A., Jain R., Agarwal P.	COVID19: Forecasting Air Quality Index and Particulate Matter (PM2.5)	Computers, Materials and Continua	67	3	3363	3380	4.890	10.32604/cmc.2021.014991
331	Lakshminarayanan K., Muthukumaran N., Robinson Y.H., Shanmuganathan V., Kadry S., Nam Y.	Deep Learning-Based Hookworm Detection in Wireless Capsule Endoscopic Image Using AdaBoost Classifier	Computers, Materials and Continua	67	3	3045	3055	4.890	10.32604/cmc.2021.014370
332	Jayalakshmi M., Garg L., Maharajan K., Jayakumar K., Srinivasan K., Bashir A.K., Ramesh K.	Fuzzy Logic-Based Health Monitoring System for COVID'19 Patients	Computers, Materials and Continua	67	2	2431	2447	4.890	10.32604/cmc.2021.015352

333	Datta D., Maurya P.K., Srinivasan K., Chang C.-Y., Agarwal R., Tuteja I., Bhavyashri Vedula V.	Eye gaze detection based on computational visual perception and facial landmarks	Computers, Materials and Continua	68	2	2545	2561	4.890	10.32604/cmc.2021.015478
334	Das T.K., Roy P.K., Uddin M., Srinivasan K., Chang C.-Y., Syed-Abdul S.	Early tumor diagnosis in brain MR images via deep convolutional neural network model	Computers, Materials and Continua	68	2	2413	2429	4.890	10.32604/cmc.2021.016698
335	Srinivasan K., Garg L., Datta D., Alaboudi A.A., Jhanjhi N.Z., Agarwal R., Thomas A.G.	Performance comparison of deep cnn models for detecting driver's distraction	Computers, Materials and Continua	68	3	4109	4124	4.890	10.32604/cmc.2021.016736
336	Budamala V., Baburao Mahindrakar A.	Enhance the prediction of complex hydrological models by pseudo-simulators	Geocarto International	36	9	1027	1043	4.889	10.1080/10106049.2019.1629646
337	Sawminathan S., Munusamy S., Manickam S., Jothi D., Kulathulyer S.	Azine based fluorescent rapid "off-on" chemosensor for detecting Th <sup>4+</sup> and Fe <sup>3+</sup> ions and its real-time application	Dyes and Pigments	196				4.889	10.1016/j.dyepig.2021.109755
338	Sundaresan S., John S., Paneerselvam G., Andiappan R., Christopher G., Selvam G.S.	Gallic acid attenuates cadmium mediated cardiac hypertrophic remodelling through upregulation of Nrf2 and PECAM-1 signalling in rats	Environmental Toxicology and Pharmacology	87				4.860	10.1016/j.etap.2021.103701

339	David E., Colombo A., Dragonetti C., Palanisami N.	Novel Ferrocene-Appended $\beta$ -Ketoimines and Related BF <sub>2</sub> Derivatives with Significant Aggregation-Induced Emission and Second-Order Nonlinear Optical Properties	Chemistry - A European Journal					4.857	10.1002/chem.202005059
340	Zhang Y., Ramanathan L., Maheswari M.	A hybrid approach for risk analysis in e-business integrating big data analytics and artificial intelligence	Annals of Operations Research					4.854	10.1007/s10479-021-04412-6
341	Srinivasan P., Deivasigamani P.	Bimodal meso-/macro-porous polymer monolith decorated chromophoric ion-receptor as dualistic solid-state optical sensor for the ultrafast and selective recovery of cobalt ions	Surfaces and Interfaces	27				4.837	10.1016/j.surfin.2021.101506
342	Arulvel S., Mallikarjuna Reddy D., Dsilva Winfred Rufuss D., Akinaga T.	A comprehensive review on mechanical and surface characteristics of composites reinforced with coated fibres	Surfaces and Interfaces	27				4.837	10.1016/j.surfin.2021.101449

343	Gediya P., Vyas V.K., Carafa V., Sitwala N., Della Torre L., Poziello A., Kurohara T., Suzuki T., Sanna V., Raguraman V., Suthindhiran K., Ghosh D., Bhatia D., Altucci L., Ghate M.D.	Discovery of novel tetrahydrobenzo[b]thiophene-3-carbonitriles as histone deacetylase inhibitors	Bioorganic Chemistry	110					4.831	10.1016/j.bioorg.2021.104801
344	Raj S., Prakasam P., Gupta S.	Multilayered convolutional neural network-based auto-CODEC for audio signal denoising using mel-frequency cepstral coefficients	Neural Computing and Applications						4.774	10.1007/s00521-021-05782-5
345	Annepu V., Rajesh A., Bagadi K.	Radial basis function-based node localization for unmanned aerial vehicle-assisted 5G wireless sensor networks	Neural Computing and Applications						4.774	10.1007/s00521-021-05835-9
346	Atkar G., Jayaraju P.	Speech synthesis using generative adversarial network for improving readability of Hindi words to recuperate from dyslexia	Neural Computing and Applications						4.774	10.1007/s00521-021-05695-3
347	Elavarasan D., Durai Raj Vincent P.M.	Fuzzy deep learning-based crop yield prediction model for sustainable agronomical frameworks	Neural Computing and Applications						4.774	10.1007/s00521-021-05950-7

348	Patel S., Thanikaiselvan V., Pelusi D., Nagaraj B., Arunkumar R., Amirtharajan R.	Colour image encryption based on customized neural network and DNA encoding	Neural Computing and Applications					4.774	10.1007/s00521- 021-06096-2
349	Varsha S.S.V., Vuppaladadiyam A.K., Shehzad F., Ghaedi H., Murugavelh S., Dong W., Antunes E.	Co-pyrolysis of microalgae and municipal solid waste: A thermogravimetric study to discern synergy during co-pyrolysis process	Journal of the Energy Institute	94		29	38	4.748	10.1016/j.joei.2020 .10.010
350	Varghese R., S. U.K., C. G.P.D., Ramamoorthy S.	Unraveling the versatility of CCD4: Metabolic engineering, transcriptomic and computational approaches	Plant Science	310				4.729	10.1016/j.plantsci.2 021.110991
351	Jamshed W., Mishra S.R., Pattnaik P.K., Nisar K.S., Suriya Uma Devi S., Prakash M., Shahzad F., Hussain M., Vijayakumar V.	Features of entropy optimization on viscous second grade nanofluid streamed with thermal radiation: A Tiwari and Das model	Case Studies in Thermal Engineering	27				4.724	10.1016/j.csite.202 1.101291

352	Hiba B., Redouane F., Jamshed W., Ahamed Saleel C., Suriya Uma Devi S., Prakash M., Nisar K.S., Vijayakumar V., Eid M.R.	A novel case study of thermal and streamline analysis in a grooved enclosure filled with (Ag–MgO/Water) hybrid nanofluid: Galerkin FEM	Case Studies in Thermal Engineering	28				4.724	10.1016/j.csite.2021.101372
353	Jamshed W., Nisar K.S., Ibrahim R.W., Mukhtar T., Vijayakumar V., Ahmad F.	Computational framework of Cattaneo-Christov heat flux effects on Engine Oil based Williamson hybrid nanofluids: A thermal case study	Case Studies in Thermal Engineering	26				4.724	10.1016/j.csite.2021.101179
354	Raja V., Hadiyal K., Nath A.K., Viannie L.R., Sonar P., Molina-Reyes J., Thamankar R.	Effect of controlled humidity on resistive switching of multilayer VO2 devices	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	264				4.706	10.1016/j.mseb.2020.114968
355	Shobana M., Meher S.R.	Effect of Co concentration on the structural, optical and magnetic properties of CoxZn1-xTe thin films grown by electron beam evaporation	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	270				4.706	10.1016/j.mseb.2021.115201



356	Patel B., Manne R., Patel D.B., Gorityala S., Palaniappan A., Kurakula M.	Chitosan as functional biomaterial for designing delivery systems in cardiac therapies	Gels	7	4			4.702	10.3390/gels7040253
357	Lhamo P., Behera S.K., Mahanty B.	Process optimization, metabolic engineering interventions and commercialization of microbial polyhydroxyalkanoates production – A state-of-the art review	Biotechnology Journal					4.677	10.1002/biot.202100136
358	Sasidharan R., Eom B.H., Heo J.H., Park J.E., Abdelgawad M.A., Musa A., Gambacorta N., Nicolotti O., Manju S.L., Mathew B., Kim H.	Morpholine-based chalcones as dual-acting monoamine oxidase-B and acetylcholinesterase inhibitors: synthesis and biochemical investigations	Journal of Enzyme Inhibition and Medicinal Chemistry	36	1	188	197	4.673	10.1080/14756366.2020.1842390
359	Ramkumar K.D., Mulimani S.S., Ankit K., Kothari A., Ganguly S.	Effect of grain boundary precipitation on the mechanical integrity of EBW joints of Inconel 625	Materials Science and Engineering A	808				4.652	10.1016/j.msea.2021.140926
360	Kumar A., Pal K., Mula S.	Effects of cryo-FSP on metallurgical and mechanical properties of stir cast Al7075–SiC nanocomposites	Journal of Alloys and Compounds	852				4.650	10.1016/j.jallcom.2020.156925

361	Biradar A., Rasiwasia R., Soni J., Orłowska M., M R.	Thermomechanical roll bonding of Al-6063 strips	Journal of Alloys and Compounds	855				4.650	10.1016/j.jallcom.2 020.157401
362	Singh N., Ummethala R., Karamched P.S., Sokkalingam R., Gopal V., Manivasagam G., Prashanth K.G.	Spark plasma sintering of Ti6Al4V metal matrix composites: Microstructure, mechanical and corrosion properties	Journal of Alloys and Compounds	865				4.650	10.1016/j.jallcom.2 021.158875
363	Xi L., Ding K., Gu D., Guo S., Cao M., Zhuang J., Lin K., Okulov I., Sarac B., Eckert J., Prashanth K.G.	Interfacial structure and wear properties of selective laser melted Ti/(TiC+TiN) composites with high content of reinforcements	Journal of Alloys and Compounds	870				4.650	10.1016/j.jallcom.2 021.159436
364	Manohar A., Park J., Geleta D.D., Krishnamoorthi C., Thangam R., Kang H., Lee J.	Synthesis and characterization of ZnO nanoparticles for photocatalysis, antibacterial and cytotoxicity in kidney cancer (A498) cell lines	Journal of Alloys and Compounds	874				4.65	10.1016/j.jallcom.2 021.159868
365	Harish R., Sivakumar R.	Turbulent thermal convection of nanofluids in cubical enclosure using two-phase mixture model	International Journal of Mechanical Sciences	190				4.631	10.1016/j.ijmecsci. 2020.106033
366	Thiyagarajan R., Senthil Kumar M.	A Review on Closed Cell Metal Matrix Syntactic Foams: A Green Initiative towards Eco-Sustainability	Materials and Manufacturing Processes					4.616	10.1080/10426914. 2021.1928696

367	Tamiloli N., Venkatesan J., SampathKumar T.	ANFIS based forecast and parametric investigation during processing activity of AA6082T6	Materials and Manufacturing Processes					4.616	10.1080/10426914.2021.1945093
368	Mukherjee S., Rai D., Giridharan A.	EDM of titanium foam: electrode wear rate, oversize, and MRR	Materials and Manufacturing Processes					4.616	10.1080/10426914.2021.1981938
369	Bamnavat K., Bhardwaj V., Anand T., Kumar S.A., Sahoo S.K.	Pyridoxal derived AlEgen as a fluorescent pH sensor	Dyes and Pigments	184				4.613	10.1016/j.dyepig.2020.108844
370	Vyavahare G., Gurav R., Patil R., Sutar S., Jadhav P., Patil D., Yang Y.-H., Tang J., Chavan C., Kale S., Jadhav J.	Sorption of brilliant green dye using soybean straw-derived biochar: characterization, kinetics, thermodynamics and toxicity studies	Environmental Geochemistry and Health	43	8	2913	2926	4.609	10.1007/s10653-020-00804-y
371	Bhogaita M., Devaprakasam D.	Hybrid photoanode of TiO <sub>2</sub> -ZnO synthesized by co-precipitation route for dye-sensitized solar cell using phyllanthus reticulatas pigment sensitizer	Solar Energy	214		517	530	4.608	10.1016/j.solener.2020.12.009
372	Gnanasekar S., Van Le Q., Nirmala Grace A.	Template-free synthesis of Vanadium Nitride Nanopetals (VNNP) as a high performance counter electrode for dye sensitized solar cells	Solar Energy	213		145	153	4.608	10.1016/j.solener.2020.11.022

373	Kumar Behura A., Kumar A., Kumar Rajak D., Pruncu C.I., Lamberti L.	Towards better performances for a novel rooftop solar PV system	Solar Energy	216		518	529	4.608	10.1016/j.solener.2 021.01.045
374	Abi Mathew A., Thangavel V.	A novel thermal storage integrated evacuated tube heat pipe solar air heater: Energy, exergy, economic and environmental impact analysis	Solar Energy	220		828	842	4.608	10.1016/j.solener.2 021.03.057
375	Mahendran N., Vincent P.M.D.R., Srinivasan K., Chang C.-Y.	Improving the Classification of Alzheimer's Disease Using Hybrid Gene Selection Pipeline and Deep Learning	Frontiers in Genetics	12				4.599	10.3389/fgene.20 21.784814
376	Nandhini Abirami R., Durai Raj Vincent P.M.	Low-Light Image Enhancement Based on Generative Adversarial Network	Frontiers in Genetics	12				4.599	10.3389/fgene.20 21.799777
377	Priyadarsini K., Mishra N., Prasad M., Gupta V., Khasim S.	Detection of malware on the internet of things and its applications depends on long short-term memory network	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652- 020-02823-0
378	Kalpally A.T., Vijayakumar K.P.	Privacy and security framework for health care systems in IoT: originating at architecture through application	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652- 020-02676-7

379	Elavarasan D., Vincent P.M.D.R.	A reinforced random forest model for enhanced crop yield prediction by integrating agrarian parameters	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02752-y
380	Venkatraman S., Muthusamy P., Balusa B., Jayasankar T., Kavithaa G., Sekar K.R., Bharatiraja C.	Time dependent anomaly detection system for smart environment using probabilistic timed automaton	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02769-3
381	Gokulnath B.V., Gandhi U.D.	Regularized deep clustering approach for effective categorization of maize diseases	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-021-02912-8
382	Fan Y., Man M., Ramanathan L., Maheshwari M.	Aerobics player's energy level monitoring using IoT	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-021-03139-3
383	Subbaiah C.V., Kannayaram G.	Heuristic ant colony and reliable fuzzy QoS routing for mobile ad hoc network	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-021-03140-w
384	Sudhakar K., Nithyanandam P.	Facial identification of twins based on fusion score method	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-021-03012-3

385	Chinnappa G., Rajagopal M.K.	Residual attention network for deep face recognition using micro-expression image analysis	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-021-03003-4
386	Movassagh A.A., Alzubi J.A., Gheisari M., Rahimi M., Mohan S., Abbasi A.A., Nabipour N.	Artificial neural networks training algorithm integrating invasive weed optimization with differential evolutionary model	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02623-6
387	Choudhury A., Choudhury A., Subramaniam U., Balamurugan S.	HealthSaver: a neural network based hospital recommendation system framework on flask webapplication with realtime database and RFID based attendance system	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-021-03232-7
388	Rajput D.S., Basha S.M., Xin Q., Gadekallu T.R., Kaluri R., Lakshmana K., Maddikunta P.K.R.	Providing diagnosis on diabetes using cloud computing environment to the people living in rural areas of India	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-021-03154-4
389	Kumar S.U., Priya Doss C.G.	Residue interaction networks of K-Ras protein with water molecules identifies the potential role of switch II and P-loop	Computers in Biology and Medicine	135				4.589	10.1016/j.compbio med.2021.104597

390	Aljindan R.Y., Al-Subaie A.M., Al-Ohali A.I., Kumar D T., Doss C G.P., Kamaraj B.	Investigation of nonsynonymous mutations in the spike protein of SARS-CoV-2 and its interaction with the ACE2 receptor by molecular docking and MM/GBSA approach	Computers in Biology and Medicine	135				4.589	10.1016/j.compbio med.2021.104654
391	Tripathi J., Vasu B., Béq O.A., Gorla R.S.R., Kameswaran P.K.	Computational simulation of rheological blood flow containing hybrid nanoparticles in an inclined catheterized artery with stenotic, aneurysmal and slip effects	Computers in Biology and Medicine	139				4.589	10.1016/j.compbio med.2021.105009
392	Mallina H., Elumalai R., F D Paul S., George Priya Doss C., Udhaya Kumar S., Ramanathan G.	Computational validation of ABCB1 gene polymorphism and its effect on tacrolimus dose concentration/levels in renal transplant individuals of South India	Computers in Biology and Medicine	139				4.589	10.1016/j.compbio med.2021.104971
393	Kumar S.U., Priya Doss C.G.	Computational investigation to identify potent inhibitors of the GTPase-Kirsten RAt sarcoma virus (K-Ras) mutants G12C and G12D	Computers in Biology and Medicine	139				4.589	10.1016/j.compbio med.2021.104946

394	Mahendran N., P M D.R.V.	A deep learning framework with an embedded-based feature selection approach for the early detection of the Alzheimer's disease	Computers in Biology and Medicine					4.589	10.1016/j.compbiomed.2021.105056
395	Sivaraj C., Gandhi T.	Alternative and Uncommon Acylating Agents – An Alive and Kicking Methodology	Chemistry - An Asian Journal					4.568	10.1002/asia.202100691
396	Kumar R., Singh F.V., Takenaga N., Dohi T.	Asymmetric Direct/Stepwise Dearomatization Reactions Involving Hypervalent Iodine Reagents	Chemistry - An Asian Journal					4.568	10.1002/asia.202101115
397	Banerjee K., Madhyastha R., Nakajima Y., Maruyama M., Madhyastha H.	Nanoceutical Adjuvants as Wound Healing Material: Precepts and Prospects	International journal of molecular sciences	22	9			4.556	10.3390/ijms22094748
398	Imran M., Zouli N., Ahamad T., Alshehri S.M., Chandan M.R., Hussain S., Aziz A., Dar M.A., Khan A.	Carbon-coated Fe <sub>3</sub> O <sub>4</sub> core-shell super-paramagnetic nanoparticle-based ferrofluid for heat transfer applications	Nanoscale Advances	3	7	1962	1975	4.553	10.1039/d1na00061f



399	Srivastava P., Gunawan C., Soeriyadi A., Amal R., Hoehn K., Marquis C.	In vitro coronal protein signatures and biological impact of silver nanoparticles synthesized with different natural polymers as capping agents	Nanoscale Advances	3	15	4424	4439	4.553	10.1039/d0na0101 3h
400	Xiaoyi Z., Dongling W., Yuming Z., Manokaran K.B., Benny Antony A.	IoT driven framework based efficient green energy management in smart cities using multi- objective distributed dispatching algorithm	Environmental Impact Assessment Review	88				4.549	10.1016/j.eiar.2021 .106567
401	Liu S., Hu Q., Shen Z., Krishnan S., Zhang H., Ramalingam M.	3D printing of self- standing and vascular supportive multimaterial hydrogel structures for organ engineering	Biotechnology and Bioengineering					4.530	10.1002/bit.27954
402	Devi S.B., Maruthasalamoort hy S., Sekar S., Lee S., Navamathavan R.	Two-dimensional metal carbides and nitrides from head to toe with energy applications: A topical review	Ceramics International					4.527	10.1016/j.ceramint. 2021.08.148
403	Chetan, U V.	Insights into zinc and silver co-substitution over cytotoxicity, antibacterial efficacy, and bone regeneration capabilities of strontium phosphosilicate	Ceramics International					4.527	10.1016/j.ceramint. 2021.11.043

404	Mathews S.A., Babu D.R.	Role of exchange coupling between the hard and soft magnetic phases on the absorption of microwaves by SrFe <sub>10</sub> Al <sub>2</sub> O <sub>19</sub> /Co <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> nanocomposite	Ceramics International					4.527	10.1016/j.ceramin.t.2021.11.297
405	Shivappriya S.N., Priyadarsini M.J.P., Stateczny A., Puttamadappa C., Parameshachari B.D.	Cascade object detection and remote sensing object detection method based on trainable activation function	Remote Sensing	13	2	1	19	4.509	10.3390/rs13020200
406	Ajisha D.S., Ezhil Vizhi R.	Investigation on third-order nonlinear parameters, mechanical and dielectric behavior of alkali metal-organic C <sub>2</sub> HLiO <sub>4</sub> H <sub>2</sub> O single crystal	Results in Physics	26				4.476	10.1016/j.rinp.2021.104383
407	Sharmila A.H., Jaisankar N.	Edge Intelligent Agent Assisted Hybrid Hierarchical Blockchain for continuous healthcare monitoring & recommendation system in 5G WBAN-IoT	Computer Networks	200				4.474	10.1016/j.comnet.2021.108508

408	Pacif S.K.J., Arora S., Sahoo P.K.	Late-time acceleration with a scalar field source: Observational constraints and statefinder diagnostics	Physics of the Dark Universe	32				4.473	10.1016/j.dark.2021.100804
409	Solanki R., Pacif S.K.J., Parida A., Sahoo P.K.	Cosmic acceleration with bulk viscosity in modified f(Q) gravity	Physics of the Dark Universe	32				4.473	10.1016/j.dark.2021.100820
410	Selvamani P.S., Vijaya J.J., Kennedy L.J., Saravanakumar B., Selvam N.C.S., Sophia P.J.	Facile microwave synthesis of cerium oxide@molybdenum disulphide@reduced graphene oxide ternary composites as high performance supercapacitor electrode	Journal of Electroanalytical Chemistry	895				4.464	10.1016/j.jelechem.2021.115401
411	Monisha S., Mary Saral A., Senthil Kumar A.	Electrochemical investigation of a tulsi-holy basil-crude plant extract on graphitized mesoporous carbon nanomaterial surface: Selective electrocatalytic activity of surface-confined rosmarinic acid for phenyl hydrazine-pollutant oxidation reaction	Journal of Electroanalytical Chemistry	901				4.464	10.1016/j.jelechem.2021.115757

412	Rajasoundaran S., Prabu A.V., Routray S., Kumar S.V.N.S., Malla P.P., Maloji S., Mukherjee A., Ghosh U.	Machine learning based deep job exploration and secure transactions in virtual private cloud systems	Computers and Security	109				4.438	10.1016/j.cose.2021.102379
413	Mukherjee K., Sur D., Singh A., Rai S., Das N., Sekar R., Narindi S., Dhingra V.K., Jat B., Balraam K.V.V., Agarwal S.P., Mandal P.K.	Robust expression of LINE-1 retrotransposon encoded proteins in oral squamous cell carcinoma	BMC Cancer	21	1			4.430	10.1186/s12885-021-08174-z
414	Kumar S.U., Rajan B., Kumar D.T., Cathryn R.H., Das S., V, Zayed H., Emmanuel Jebaraj Walter C., Ramanathan G., Priya Doss. C G.	Comparison of potential inhibitors and targeting fat mass and obesity-associated protein causing diabetes through docking and molecular dynamics strategies	Journal of Cellular Biochemistry					4.429	10.1002/jcb.30109
415	Naha A., Vijayakumar S., Lal B., Shankar B.A., Chandran S., Ramaiah S., Veeraraghavan B., Anbarasu A.	Genome sequencing and molecular characterisation of XDR Acinetobacter baumannii reveal complexities in resistance: Novel combination of sulbactam–durlobactam holds promise for therapeutic intervention	Journal of Cellular Biochemistry					4.429	10.1002/jcb.30156

416	Mangrolia U., Osborne J.W.	Probiotics in counteracting the role of neutrophils in cancer metastasis	Vaccines	9	11			4.422	10.3390/vaccines9111306
417	Murali G., Abid S.R., Karthikeyan K., Haridharan M.K., Amran M., Siva A.	Low-velocity impact response of novel prepacked expanded clay aggregate fibrous concrete produced with carbon nano tube, glass fiber mesh and steel fiber	Construction and Building Materials	284				4.419	10.1016/j.conbuildmat.2021.122749
418	Kanemoto Y., Miyaji H., Nishida E., Miyata S., Mayumi K., Yoshino Y., Kato A., Sugaya T., Akasaka T., Nathanael A.J., Santhakumar S., Oyane A.	Periodontal tissue engineering using an apatite/collagen scaffold obtained by a plasma- and precursor-assisted biomimetic process	Journal of Periodontal Research					4.419	10.1111/jre.12954
419	Rajadurai M., Muthuchamy A., Annamalai A.R., Agrawal D.K., Jen C.-P.	Effect of molybdenum (Mo) addition on phase composition, microstructure, and mechanical properties of pre-alloyed ti6al4v using spark plasma sintering technique	Molecules	26	10			4.411	10.3390/molecules26102894

420	Muthuchamy A., Srikanth M., Agrawal D.K., Annamalai A.R.	Effect of Microwave and Conventional Modes of Heating on Sintering Behavior, Microstructural Evolution and Mechanical Properties of Al-Cu-Mn Alloys	Molecules (Basel, Switzerland)	26	12			4.411	10.3390/molecules 26123675
421	Singh M., Agarwal S., Tiware R.K., Chanda S., Singh K., Agrawal P., Kashyap A., Pancham P., Mall S., Rachana R., Sharma S.	Neuroprotective ability of apocynin loaded nanoparticles (Apo-nps) as nadph oxidase (nox)-mediated ros modulator for hydrogen peroxide-induced oxidative neuronal injuries	Molecules	26	16			4.411	10.3390/molecules 26165011
422	Waidha K., Zurgil U., Ben-zeev E., Gopas J., Rajendran S., Golan-goldhirsh A.	Inhibition of cysteine proteases by 6,6'-dihydroxythiobinupharidine (Dtbn) from nuphar lutea	Molecules	26	16			4.411	10.3390/molecules 26164743
423	Maddila S.C., Voshavar C., Arjunan P., Chowath R.P., Rachamalla H.K.R., Balakrishnan B., Balasubramanian P., Banerjee R., Marepally S.	Cholesterol sequestration from caveolae/lipid rafts enhances cationic liposome-mediated nucleic acid delivery into endothelial cells	Molecules	26	15			4.411	10.3390/molecules 26154626

424	Sharma R.K., Singh M., Ghimeray K., Juneja P., Dev G., Pulavarthi S., Reddy S.R., Akundi R.S.	Imidazopyridazine acetylcholinesterase inhibitors display potent anti-proliferative effects in the human neuroblastoma cell-line, imr-32	Molecules	26	17			4.411	10.3390/molecules26175319
425	Kar B., Das U., De S., Pete S., Sharma S A., Roy N., S. K. A.K., Panda D., Paira P.	GSH-resistant and highly cytoselective ruthenium(ii)-p-cymene-(imidazo[4,5-f][1,10]phenanthrolin-2-yl)phenol complexes as potential anticancer agents	Dalton Transactions	50	30	10369	10373	4.39	10.1039/d1dt01604k
426	Roy N., Sen† U., Moharana† P., Babu L.T., Kar B., Vardhan S., Sahoo S.K., Bose B., Paira P.	2,2'-Bipyrimidine-based luminescent Ru(ii)/Ir(iii)-arene monometallic and homo- And hetero-bimetallic complexes for therapy against MDA-MB-468 and caco-2 cells	Dalton Transactions	50	34	11725	11729	4.390	10.1039/d1dt01556g
427	Kanoo P., Mishra M.K., Hazra A.	Probing time dependent phase transformation in a flexible metal-organic framework with nanoindentation	Dalton Transactions	50	33	11380	11384	4.390	10.1039/d1dt01004b
428	Das U., Kar B., Pete S., Paira P.	Ru(ii), Ir(iii), Re(i) and Rh(iii) based complexes as next generation anticancer metallopharmaceuticals	Dalton Transactions	50	32	11259	11290	4.390	10.1039/d1dt01326b

429	Kumar R S., Venkatesan V., Bhaskar R., Kumar S.K.A., Sivaramakrishna A., Vijayakrishna K., Brahmmananda Rao C.V.S., Sivaraman N., Sahoo S.K.	Rapid detection strategies for the ultra-level chemosensing of uranyl ions	Dalton Transactions	50	41	14706	14713	4.39	10.1039/d1dt01803 e
430	Murphy M., Theyagarajan K., Thenmozhi K., Senthilkumar S.	Direct electrochemistry of covalently immobilized hemoglobin on a naphthylimidazolium butyric acid ionic liquid/MWCNT matrix	Colloids and Surfaces B: Biointerfaces	199				4.389	10.1016/j.colsurfb. 2020.111540
431	Sumithra P., Kannadassan D.	Design and Modeling of Wideband Planar Antennas using Characteristic Modes	IEEE Transactions on Antennas and Propagation					4.388	10.1109/TAP.2021. 3090805
432	Mittapalli P.S., V T.	Multiscale CNN with compound fusions for false positive reduction in lung nodule detection	Artificial Intelligence in Medicine	113				4.383	10.1016/j.artmed.2 021.102017
433	Zhao J., Zheng H., Qin C., Wang Z., Vijayashree J., Jayashree J.	Moderating role in the relationship between job stress and deviant emotional intelligence in education	Aggression and Violent Behavior					4.382	10.1016/j.avb.2021 .101626



434	Liu M., Balamurugan S., Seetharam T.G.	Impact of stress on software developers by moderating the relationship through emotional intelligence in a work environment	Aggression and Violent Behavior					4.382	10.1016/j.avb.2021.101609
435	Hong Y., GSeetharam T., Vijayashree J.	Emotional intelligence in college financial professional teaching from the perspective of inclusive finance	Aggression and Violent Behavior					4.382	10.1016/j.avb.2021.101647
436	Shaik A.B.D.-A.-J.- W.-I., Palla P.	Optical quantum technologies with hexagonal boron nitride single photon sources	Scientific Reports	11	1			4.379	10.1038/s41598-021-90804-4
437	Christina V.S., Sundaram R.L., Sivamurugan V., Kumar D.T., Mohanapriya C.D., Shailaja V.L., Thyagarajan S.P., Doss C.G.P., Gnanambal K.M.E.	Inhibition of MMP2-PEX by a novel ester of dihydroxy cinnamic and linoleic acid from the seagrass Cymodocea serrulata	Scientific Reports	11	1			4.379	10.1038/s41598-021-90845-9
438	Kuppan M., Yamamoto D., Egawa G., Kalainathan S., Yoshimura S.	Magnetic properties of (Bi <sub>1-x</sub> La <sub>x</sub> )(Fe,Co)O <sub>3</sub> films fabricated by a pulsed DC reactive sputtering and demonstration of magnetization reversal by electric field	Scientific Reports	11	1			4.379	10.1038/s41598-021-90547-2

439	Shivakumar M., Selvaraj T., Dhassaih M.P.	Preparation and characterization of ancient recipe of organic Lime Putty-Evaluation for its suitability in restoration of Padmanabhapuram Palace, India	Scientific Reports	11	1			4.379	10.1038/s41598-021-91680-8
440	Srinivas S., Ashokkumar K., Sriraghavan K., Senthil Kumar A.	A prototype device of microliter volume voltammetric pH sensor based on carbazole-quinone redox-probe tethered MWCNT modified three-in-one screen-printed electrode	Scientific reports	11	1	13905		4.379	10.1038/s41598-021-93368-5
441	Jamshed W., Eid M.R., Nisar K.S., Nasir N.A.A.M., Edacherian A., Saleel C.A., Vijayakumar V.	A numerical frame work of magnetically driven Powell-Eyring nanofluid using single phase model	Scientific Reports	11	1			4.379	10.1038/s41598-021-96040-0
442	Jena P., Azad S.	Observed and projected changes in extreme drought and flood-prone regions over India under CMIP5 RCP8.5 using a new vulnerability index	Climate Dynamics					4.375	10.1007/s00382-021-05824-7
443	Patil A.U., Madathil D., Huang C.-M.	Healthy Aging Alters the Functional Connectivity of Creative Cognition in the Default Mode Network and Cerebellar Network	Frontiers in Aging Neuroscience	13				4.362	10.3389/fnagi.2021.607988

444	Babu S.N., Govindarajan S., Noor A.	Aloe vera and its two bioactive constituents in alleviation of diabetes –proteomic & mechanistic insights	Journal of Ethnopharmacology	280					4.36	10.1016/j.jep.2021.114445
445	Govindarajan S., Babu S.N., Vijayalakshmi M.A., Manohar P., Noor A.	Aloe vera carbohydrates regulate glucose metabolism through improved glycogen synthesis and downregulation of hepatic gluconeogenesis in diabetic rats	Journal of Ethnopharmacology	281					4.360	10.1016/j.jep.2021.114556
446	Ravi, L., Devarajan, M., V, V., Sangaiah, A.K., Wang, L., A, S., Subramaniaswamy, V.	An intelligent location recommender system utilising multi-agent induced cognitive behavioural model	Enterprise Information Systems	15	10	1376	1394		4.35	10.1080/17517575.2020.1812003
447	Thiagarajan V., Alex S.A., Seenivasan R., Chandrasekaran N., Mukherjee A.	Interactive effects of micro/nanoplastics and nanomaterials/pharmaceuticals: Their ecotoxicological consequences in the aquatic systems	Aquatic Toxicology	232					4.344	10.1016/j.aquatox.2021.105747
448	Prathap S., Madhuri W., Meena S.S.	Multiferroic properties and Mössbauer Study of M-type hexaferrite PbFe <sub>12</sub> O <sub>19</sub> synthesized by the high energy ball milling	Materials Characterization	177					4.342	10.1016/j.matchar.2021.111168

449	Gobi R., Ravichandiran P., Babu R.S., Yoo D.-J.	Biopolymer and synthetic polymer-based nanocomposites in wound dressing applications: A review	Polymers	13	12			4.329	10.3390/polym131 21962
450	Kalirajan C., Dukle A., Nathanael A.J., Oh T.-H., Manivasagam G.	A critical review on polymeric biomaterials for biomedical applications	Polymers	13	17			4.329	10.3390/polym131 73015
451	Norrrahim M.N.F., Huzaifah M.R.M., Farid M.A.A., Shazleen S.S., Misenan M.S.M., Yasim-Anuar T.A.T., Naveen J., Nurazzi N.M., Rani M.S.A., Hakimi M.I., Ilyas R.A., Jenol M.A.	Greener pretreatment approaches for the valorisation of natural fibre biomass into bioproducts	Polymers	13	17			4.329	10.3390/polym131 72971
452	Loganathan T.M., Sultan M.T.H., Jawaid M., Ahsan Q., Naveen J., Shah A.U.M., Talib A.R.A., Basri A.A.	Physical, mechanical, and morphological properties of hybrid cyrtostachys renda/kenaf fiber reinforced with multi- walled carbon nanotubes (MWCNT)- phenolic composites	Polymers	13	19			4.329	10.3390/polym13 193448

453	Genasan K., Mehrali M., Veerappan T., Talebian S., Raman M.M., Singh S., Swamiappan S., Mehrali M., Kamarul T., Raghavendran H.R.B.	Calcium-silicate- incorporated gellan- chitosan induced osteogenic differentiation in mesenchymal stromal cells	Polymers	13	19			4.329	10.3390/polym13 193211
454	Balan A.S.S., Kannan C., Jain K., Chakraborty S., Joshi S., Rawat K., Alsanie W.F., Thakur V.K.	Numerical modelling and analytical comparison of delamination during cryogenic drilling of cfrp	Polymers	13	22			4.329	10.3390/polym132 23995
455	Rashedi A., Marzouki R., Raza A., Rawi N.F.M., Naveen J.	Mechanical, fracture, and microstructural assessment of carbon- fiber-reinforced geopolymer composites containing Na <sub>2</sub> O	Polymers	13	21			4.329	10.3390/polym132 13852
456	Chowdhury J., Anirudh P.V., Karunakaran C., Rajmohan V., Mathew A.T., Koziol K., Alsanie W.F., Kannan C., Balan A.S.S., Thakur V.K.	4D printing of smart polymer nanocomposites: Integrating graphene and acrylate based shape memory polymers	Polymers	13	21			4.329	10.3390/polym132 13660

457	Anupama Devi V.K., Shyam R., Palaniappan A., Jaiswal A.K., Oh T.-H., Nathanael A.J.	Self-healing hydrogels: Preparation, mechanism and advancement in biomedical applications	Polymers	13	21			4.329	10.3390/polym13213782
458	Agarwal M., Alam M.R., Haider M.K., Malik M.Z., Kim D.-K.	Alzheimer's disease: An overview of major hypotheses and therapeutic options in nanotechnology	Nanomaterials	11	1	1	18	4.324	10.3390/nano11010059
459	Madhur V., Srikanth M., Annamalai A.R., Muthuchamy A., Agrawal D.K., Jen C.-P.	Effect of nano copper on the densification of spark plasma sintered w-cu composites	Nanomaterials	11	2	1	11	4.324	10.3390/nano11020413
460	Naveen J., Jawaid M., Goh K.L., Reddy D.M., Muthukumar C., Loganathan T.M., Reshwanth K.N.G.L.	Advancement in graphene-based materials and their nacre inspired composites for armour applications—A review	Nanomaterials	11	5			4.324	10.3390/nano11051239
461	Sabireen H., Neelanarayanan V.	A Review on Fog Computing: Architecture, Fog with IoT, Algorithms and Research Challenges	ICT Express	7	2	162	176	4.317	10.1016/j.ict.2021.05.004
462	Thenmozhi R., Maruthasalamoorthy S., Nirmala R., Navamathavan R.	Review-MXene based transducer for biosensor applications	Journal of the Electrochemical Society	168	11			4.316	10.1149/1945-7111/ac2fc6

463	Nagarajan L., Mahalingam S.K., Kandasamy J., Gurusamy S.	A novel approach in selective assembly with an arbitrary distribution to minimize clearance variation using evolutionary algorithms: a comparative study	Journal of Intelligent Manufacturing					4.311	10.1007/s10845-020-01720-9
464	Kumar A., Tomar H., Mehla V.K., Komaragiri R., Kumar M.	Stationary wavelet transform based ECG signal denoising method	ISA Transactions					4.305	10.1016/j.isatra.2020.12.029
465	Venkateswarlu S., Janaki M., Thirumalaivasan R.	Analysis and mitigation of SSR in non-identical generators using multimodal BPF based SSDC	ISA Transactions					4.305	10.1016/j.isatra.2021.03.025
466	Ramesh R., Sundaresh A., Rajkumar R.P., Negi V.S., Vijayalakshmi M.A., Krishnamoorthy R., Tamouza R., Leboyer M., Kamalanathan A.S.	DNA hydrolysing IgG catalytic antibodies: an emerging link between psychoses and autoimmunity	npj Schizophrenia	7	1			4.304	10.1038/s41537-021-00143-6

467	Sompalli N.K., Mohanty A., Mohan A.M., Deivasigamani P.	Heterojunction Cr2O3-Ag2O nanocomposite decorated porous polymer monoliths a new class of visible light fast responsive heterogeneous photocatalysts for pollutant clean-up	Journal of Environmental Chemical Engineering	9	1			4.300	10.1016/j.jece.2020.104846
468	Nguyen D.L.T., Tekalgne M.A., Nguyen T.H.C., Dinh M.T.N., Sana S.S., Grace A.N., Shokouhimehr M., Vo D.-V.N., Cheng C.K., Nguyen C.C., Kim S.Y., Le Q.V.	Recent development of high-performance photocatalysts for N2fixation: A review	Journal of Environmental Chemical Engineering	9	1			4.300	10.1016/j.jece.2020.104997
469	Kugarajah V., Ojha A.K., Ranjan S., Dasgupta N., Ganesapillai M., Dharmalingam S., Elmoll A., Hosseini S.A., Muthulakshmi L., Vijayakumar S., Mishra B.N.	Future applications of electrospun nanofibers in pressure driven water treatment: A brief review and research update	Journal of Environmental Chemical Engineering	9	2			4.300	10.1016/j.jece.2021.105107



470	Nagarajan R., Dharmaraja J., Shobana S., Sermarajan A., Nguyen D.D., Murugavelh S.	A comprehensive investigation on Spirulina platensis - Part I: Cultivation of biomass, thermo-kinetic modelling, physico-chemical, combustion and emission analyses of bio-oil blends in compression ignition engine	Journal of Environmental Chemical Engineering	9	3			4.300	10.1016/j.jece.2021.105231
471	Seenan S., Manickam S., Kulathu Iyer S.	A new furan based fluorescent chemosensor for the recognition of Cr <sup>3+</sup> ion and its application in real sample analysis	Journal of Photochemistry and Photobiology A: Chemistry	418				4.291	10.1016/j.jphotochem.2021.113441
472	Jothi D., Munusamy S., Iyer S.K.	A new sensitive “turn-on” fluorescent probe based on naphthalimide: Application in visual recognition of hydrogen sulfide in environmental samples and living cells	Journal of Photochemistry and Photobiology A: Chemistry	420				4.291	10.1016/j.jphotochem.2021.113491
473	Sathynathan C.V., Raman L.S., Vajiravelu S., Kumar T.D., Panchatcharam T.S., Narasimhan G., Priya Doss G.C., Krishnan M.E.G.	3-hydroxypropane-1,2-diyl dipalmitoleate—a natural compound with dual roles (Cb1 agonist/faah1 blocker) in inhibiting ovarian cancer cell line	Pharmaceuticals	14	3			4.286	10.3390/ph14030255

474	Parameswari R., Sridharan T.B.	Cigarette smoking and its toxicological overview on human male fertility—a prospective review	Toxin Reviews	40	2	145	161	4.266	10.1080/15569543.2019.1579229
475	Renu K., Panda A., Vellingiri B., George A., Valsala Gopalakrishnan A.	Arsenic: an emerging role in adipose tissue dysfunction and muscle toxicity	Toxin Reviews					4.266	10.1080/15569543.2021.1992443
476	Nathanael A.J., Kannaiyan K., Kunhiraman A.K., Ramakrishna S., Kumaravel V.	Global opportunities and challenges on net-zero CO <sub>2</sub> emissions towards a sustainable future	Reaction Chemistry and Engineering	6	12	2226	2247	4.239	10.1039/d1re00233c
477	Basu S., Naha A., Veeraraghavan B., Ramaiah S., Anbarasu A.	In silico structure evaluation of BAG3 and elucidating its association with bacterial infections through protein–protein and host-pathogen interaction analysis	Journal of Cellular Biochemistry					4.237	10.1002/jcb.29953

478	Kim S.C., Poongavanam G.K., Duraisamy S., Parasuraman S., Megaraj M.	Experimental investigations of stability, density, thermal conductivity, and electrical conductivity of solar glycol-amine-functionalized graphene and MWCNT-based hybrid nanofluids	Environmental Science and Pollution Research					4.223	10.1007/s11356-021-16220-3
479	GaneshKumar P., Sakthivadivel D., Prabakaran R., Vigneswaran S., SakthiPriya M., Thakur A.K., Sathyamurthy R., Kim S.C.	Exploring the thermo-physical characteristic of novel multi-wall carbon nanotube—Therminol-55-based nanofluids for solar-thermal applications	Environmental Science and Pollution Research					4.223	10.1007/s11356-021-16393-x
480	Maduru V.R., Shaik S.	Laminated glazing for buildings: energy saving, natural daylighting, and CO2 emission mitigation prospective	Environmental Science and Pollution Research					4.223	10.1007/s11356-021-16565-9
481	Kumar P.G., Vigneswaran S., Meikandan M., Sakthivadivel D., Salman M., Thakur A.K., Sathyamurthy R., Kim S.C.	Exploring the photo-thermal conversion behavior and extinction coefficient of activated carbon nanofluids for direct absorption solar collector applications	Environmental Science and Pollution Research					4.223	10.1007/s11356-021-16637-w

482	Sundaram S., Devaraj S., Yarrakula K.	Modeling, mapping and analysis of urban floods in India—a review on geospatial methodologies	Environmental Science and Pollution Research					4.223	10.1007/s11356-021-16747-5
483	Florance I., Ramasubbu S., Mukherjee A., Chandrasekaran N.	Polystyrene nanoplastics dysregulate lipid metabolism in murine macrophages in vitro	Toxicology	458				4.221	10.1016/j.tox.2021.152850
484	Katturajan R., S V., Rasool M., Evan Prince S.	Molecular toxicity of methotrexate in rheumatoid arthritis treatment: A novel perspective and therapeutic implications	Toxicology	461				4.221	10.1016/j.tox.2021.152909
485	Manjupriya R., Roopan S.M.	Carbon dots-based catalyst for various organic transformations	Journal of Materials Science					4.22	10.1007/s10853-021-06354-7
486	Ramachandran K., Boopalan V., Bear J.C., Subramani R.	Multi-walled carbon nanotubes (MWCNTs)-reinforced ceramic nanocomposites for aerospace applications: a review	Journal of Materials Science					4.220	10.1007/s10853-021-06760-x
487	Thanigaivel S., Thomas J., Vickram A.S., Anbarasu K., Karunakaran R., Palanivelu J., Srikumar P.S.	Efficacy of encapsulated biogenic silver nanoparticles and its disease resistance against <i>Vibrio harveyi</i> through oral administration in <i>Macrobrachium rosenbergii</i>	Saudi Journal of Biological Sciences	28	12	7281	7289	4.219	10.1016/j.sjbs.2021.08.037

488	Manimegalai S., Rajeswari V.D., Parameswari R., Nicoletti M., Alarifi S., Govindarajan M.	Green synthesis, characterization and biological activity of Solanum trilobatum- mediated silver nanoparticles	Saudi Journal of Biological Sciences					4.219	10.1016/j.sjbs.20 21.11.048
489	Pal S.K., Parashar M., Kanrar B.B., Panda S., Roy N., Paira P., Panda D.	N-Doped Yellow-Emissive Carbon Nanodots from Gallic Acid: Reaction Engineering, Stimuli- Responsive Red Emission, and Intracellular Localization	Journal of Physical Chemistry C					4.189	10.1021/acs.jpcc.0c 10117
490	Viswanathan T., Gopalakrishnan M., Thirumoorthy K., Prakash M., Palanisami N.	Enhancement of Second- Order Nonlinear Optical Properties of Centrosymmetric Ferrocenyl Borasiloxane by a Broken-Symmetry Approach	Journal of Physical Chemistry C					4.189	10.1021/acs.jpcc.0c 11242
491	Vivekanandhan K., Shanmugam P., Barabadi H., Arumugam V., Daniel Raj Daniel Paul Raj D., Sivasubramanian M., Ramasamy S., Anand K., Boomi P., Chandrasekaran B., Arokiyaraj S., Saravanan M.	Emerging Therapeutic Approaches to Combat COVID-19: Present Status and Future Perspectives	Frontiers in Molecular Biosciences		8			4.188	10.3389/fmolb.202 1.604447

492	Kumar D T., Shaikh N., Kumar S U., Doss C G.P., Zayed H.	Structure-Based Virtual Screening to Identify Novel Potential Compound as an Alternative to Remdesivir to Overcome the RdRp Protein Mutations in SARS-CoV-2	Frontiers in Molecular Biosciences	8				4.188	10.3389/fmolb.2021.645216
493	Roy N., Sen U., Ray Chaudhuri S., Muthukumar V., Moharana P., Paira P., Bose B., Gauthaman A., Moorthy A.	Mitochondria specific highly cytoselective iridium(iii)-Cp* dipyrrophenazine (dppz) complexes as cancer cell imaging agents	Dalton Transactions	50	6	2268	2283	4.174	10.1039/d0dt03586f
494	Mondal A., Sen U., Roy N., Muthukumar V., Sahoo S.K., Bose B., Paira P.	DNA targeting half sandwich Ru(ii)-: P-cymene-N <sup>N</sup> complexes as cancer cell imaging and terminating agents: Influence of regioisomers in cytotoxicity	Dalton Transactions	50	3	979	997	4.174	10.1039/d0dt03107k
495	Harish R., Sivakumar R.	Effects of nanoparticle dispersion on turbulent mixed convection flows in cubical enclosure considering Brownian motion and thermophoresis	Powder Technology	378		303	316	4.142	10.1016/j.powtec.2020.09.054
496	Shijo J.S., Behera N.	Performance prediction of pneumatic conveying of powders using artificial neural network method	Powder Technology	388		149	157	4.142	10.1016/j.powtec.2021.04.071

497	Gao K., Anandhan P., Kumar R.	Analysis and evaluation of the regional air quality index forecasting based on web-text sentiment analysis method	Environmental Impact Assessment Review	87					4.135	10.1016/j.eiar.2020.106514
498	Chen J., Huang S., BalaMurugan S., Tamizharasi G.S.	Artificial intelligence based e-waste management for environmental planning	Environmental Impact Assessment Review	87					4.135	10.1016/j.eiar.2020.106498
499	Zhang X., Shu K., Rajkumar S., Sivakumar V.	Research on deep integration of application of artificial intelligence in environmental monitoring system and real economy	Environmental Impact Assessment Review	86					4.135	10.1016/j.eiar.2020.106499
500	Rahman H.F., Janardhanan M.N., Poon Chuen L., Ponnambalam S.G.	Flowshop scheduling with sequence dependent setup times and batch delivery in supply chain	Computers and Industrial Engineering	158					4.135	10.1016/j.cie.2021.107378
501	Rajput N.S., Banerjee R., Sanghi D., Santhanam G., Singhal K.	Swarm intelligence inspired meta-heuristics for solving multi-constraint QoS path problem in vehicular ad hoc networks	Ad Hoc Networks	123					4.111	10.1016/j.adhoc.2021.102633
502	Alkassar Y., Agarwal V.K., Pandey R.K., Behera N.	Influence of particle attrition on erosive wear of bends in dilute phase pneumatic conveying	Wear						4.108	10.1016/j.wear.2020.203594

503	Phakousonh D., Wang Y., Schlicht S., Wiskirchen S., Bos T., Ren L., Chen J., Hua X., Lee J., Krishnan S., Suresh K.S., Jaisankar A., Ramalingam M., Zhang W.	Design and Stability Improvement of Pectin- Based Red Blood Cell- Mimicking Microcapsules for Oxygen Therapeutics	Journal of biomedical nanotechnolog y	17	9	1798	1805	4.099	10.1166/jbn.2021. 3154
504	Suhasini R., Karpagam R., Thirumoorthy K., Thiagarajan V.	"Turn-on" unsymmetrical azine based fluorophore for the selective detection of diethylchlorophosphate via photoinduced electron transfer to intramolecular charge transfer pathway	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	263				4.098	10.1016/j.saa.2021. 120206



505	Shaw P., Raymond G., Senthilnathan R., Kumarasamy C., Baxi S., Suresh D., Shetty S., Ram M R., Chandramoorthy H.C., Sivanandy P., Samiappan S., Rajagopal M., Krishnan S., Jayaraj R.	Clinical theragnostic relationship between chemotherapeutic resistance, and sensitivity and mirna expressions in head and neck cancers: A systematic review and meta-analysis protocol	Genes	12	12			4.096	10.3390/genes12 122029
506	Shobana M.K., Park H., Choe H.	Effect of strontium substitution in cobalt ferrite: Structural and optical studies	Materials Chemistry and Physics	272				4.094	10.1016/j.matchem phys.2021.124923
507	Ramachandran K., Ram Subramani R., Arunkumar T., Boopalan V.	Mechanical and thermal properties of spark plasma sintered Alumina- MWCNTs nanocomposites prepared via improvised colloidal route	Materials Chemistry and Physics	272				4.094	10.1016/j.matchem phys.2021.125034

508	Ponnan S., Schmidt T.W., Li T., Gunasekaran H.B., Ke X., Huang Y., Mubarak S., Anand Prabu A., Weng Z., Wu L.	Electrospun Polyvinylidene Fluoride-Magnesiochromite Nanofiber-Based Piezoelectric Nanogenerator for Energy Harvesting Applications	ACS Applied Polymer Materials					4.089	10.1021/acsapm.1c00627
509	Kiran M.S.R.N., Mishra M.K., Ramamurty U.	Activation Volume of the Elastic-Plastic Transition in Molecular Crystals	Crystal Growth and Design	21	9	5183	5191	4.076	10.1021/acs.cgd.1c00543
510	Chinnasamy R., Munjal B., Suryanarayanan R., Peedikakkal A.M.P., Mishra M.K., Ghosh S.	Pressure and Temperature Induced Dual Responsive Molecular Crystals: Effect of Polymorphism	Crystal Growth and Design					4.076	10.1021/acs.cgd.1c01155
511	Prabhu Y.D., Borthakur A., A.G S., Vellingiri B., Valsala Gopalakrishnan A.	Increased pro-inflammatory cytokines in ovary and effect of $\gamma$ -linolenic acid on adipose tissue inflammation in a polycystic ovary syndrome model	Journal of Reproductive Immunology	146				4.054	10.1016/j.jri.2021.103345
512	Roy B., Kadam K., Krishnan S.P., Natarajan C., Mukherjee A.	Assessing combined toxic effects of tetracycline and P25 titanium dioxide nanoparticles using Allium cepa bioassay	Frontiers of Environmental Science and Engineering	15	1			4.053	10.1007/s11783-020-1298-x

513	Shobana M.K.	Nanoferrites in biosensors – A review	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	272				4.051	10.1016/j.mseb.2021.115344
514	Barsasella D., Gupta S., Malwade S., Aminin, Susanti Y., Tirmadi B., Mutamakin A., Jonnagaddala J., Syed-Abdul S.	Predicting length of stay and mortality among hospitalized patients with type 2 diabetes mellitus and hypertension	International Journal of Medical Informatics	154				4.046	10.1016/j.ijmedinf.2021.104569
515	Ajeesh S.S., Arul Jayachandran S.	Spline finite strip analysis of thin-walled flexural members subjected to general loading with intermediate restraints	Thin-Walled Structures	158				4.033	10.1016/j.tws.2020.107171
516	Thirunavukkarasu B., Rajagopal T.K.R.	Numerical investigation of sloshing in tank with horivert baffles under resonant excitation using CFD code	Thin-Walled Structures	161				4.033	10.1016/j.tws.2021.107517
517	Muthiah K., Kondal M., Rajamohan V., Güler M.A.	Investigations on crush behavior and energy absorption characteristics of GFRP composite conical frusta with a cutout under axial compression loading	Mechanics of Advanced Materials and Structures					4.03	10.1080/15376494.2021.1955168

518	Selvaraj R., P E.S., Kannan S., Manickam G., Ankush A.	Mechanical characterization and dynamic behavior of 3D printed composite sandwich panel featuring hybrid semi-active core through experimental and numerical approach	Mechanics of Advanced Materials and Structures					4.030	10.1080/15376494. 2021.1962456
519	Agrawal S., Sarkar S., Srivastava G., Reddy Maddikunta P.K., Gadekallu T.R.	Genetically optimized prediction of remaining useful life	Sustainable Computing: Informatics and Systems	31				4.028	10.1016/j.suscom.2 021.100565
520	Jain N., Jhunthra S., Garg H., Gupta V., Mohan S., Ahmadian A., Salahshour S., Ferrara M.	Prediction modelling of COVID using machine learning methods from B- cell dataset	Results in Physics	21				4.019	10.1016/j.rinp.2021 .103813
521	Ilaiyaraja P., Sharma V., C Dakshinamurthy A., Das T.K., Sudakar C.	Fabrication of metal chalcogenide thin films by a facile thermolysis process under air ambient using metal-3- mercaptopropionic acid complex	Materials Research Bulletin	141				4.019	10.1016/j.materres bull.2021.111346
522	Narenkumar J., Ananthaselvam A., Alsalhi M.S., Devanesan S., Kadier A., Kannan M.M., Rajasekar A.	Effect of crude methanolic extract of Lawsonia inermis for anti-biofilm on mild steel 1010 and its effect on corrosion in a re- circulating wastewater system	Journal of King Saud University - Science	33	8			4.011	10.1016/j.jksus.20 21.101611

523	Kumar A., Behura A.K., Rajak D.K., Kumar R., Ahmadi M.H., Sharifpur M., Bamisile O.	Performance of heat transfer mechanism in nucleate pool boiling -a relative approach of contribution to various heat transfer components	Case Studies in Thermal Engineering	24				4.010	10.1016/j.csite.2020.100827
524	Jain S., Sawle Y.	Optimization and Comparative Economic Analysis of Standalone and Grid-Connected Hybrid Renewable Energy System for Remote Location	Frontiers in Energy Research	9				4.008	10.3389/fenrg.2021.724162
525	Thirunavukkarasu M., Sawle Y.	A Comparative Study of the Optimal Sizing and Management of Off-Grid Solar/Wind/Diesel and Battery Energy Systems for Remote Areas	Frontiers in Energy Research	9				4.008	10.3389/fenrg.2021.752043
526	Syamsai R., Rodriguez J.R., Pol V.G., Van Le Q., Batoo K.M., Farooq S.A., Pandiaraj S., Muthumareeswaran M.R., Raslan E.H., Grace A.N.	Double transition metal MXene (TixTa4-xC3) 2D materials as anodes for Li-ion batteries	Scientific Reports	11	1			3.998	10.1038/s41598-020-79991-8

527	Patil A.U., Ghatte S., Madathil D., Tzeng O.J.L., Huang H.-W., Huang C.-M.	Static and dynamic functional connectivity supports the configuration of brain networks associated with creative cognition	Scientific Reports	11	1			3.998	10.1038/s41598-020-80293-2
528	Bhattacharya P., Patel T.N.	A study of deregulated MMR pathways and anticancer potential of curcuma derivatives using computational approach	Scientific Reports	11	1			3.998	10.1038/s41598-021-89282-5
529	Roy S.S., Taguchi Y.-H.	Identification of genes associated with altered gene expression and m6A profiles during hypoxia using tensor decomposition based unsupervised feature extraction	Scientific reports	11	1	8909		3.998	10.1038/s41598-021-87779-7
530	Raghuram G.K.S., Bansal L., Basu S., Kumar A.	Suppression of coffee ring effect in high molecular weight polyacrylamide droplets evaporating on hydrophobic surfaces	Colloids and Surfaces A: Physicochemical and Engineering Aspects	612				3.990	10.1016/j.colsurfa.2020.126002

531	Khan J.M., Sen P., Malik A., Rehman M.T., AlAjmi M.F., Ahmed A., Alghamdi O.H.A., Ahmad A., Ahmed M.Z., Khan R.H., Anwer M.K.	Industrially important enzyme bovine liver catalase forms amyloid in the presence of 14-4-14 Gemini surfactant at physiological pH	Colloids and Surfaces A: Physicochemical and Engineering Aspects	610				3.990	10.1016/j.colsurfa.2020.125909
532	Chavhan S., Gupta D., Nagaraju C., A R., Khanna A., Rodrigues J.J.P.C.	An Efficient Context-Aware Vehicle Incidents Route Service Management for Intelligent Transport System	IEEE Systems Journal					3.987	10.1109/JSYST.2021.3066776
533	Safdar R., Gnanasundaram N., Appusamy A., Thanabalan M.	Synthesis, physiochemical properties, colloidal stability evaluation and potential of ionic liquid modified CS-TPP MPs in controlling the release rate of insulin	Journal of Drug Delivery Science and Technology	64				3.981	10.1016/j.jddst.2021.102575
534	Banerjee K., Chatterjee M., Sandur V R., Nachimuthu R., Madhyastha H., Thiagarajan P.	Azadirachta indica A. Juss (Neem) oil topical formulation with liquid crystals ensconcing depot water for anti-inflammatory, wound healing and anti-methicillin resistant Staphylococcus aureus activities	Journal of Drug Delivery Science and Technology	64				3.981	10.1016/j.jddst.2021.102563

535	Pakkattil A., Saseendran A., Thomas A.P., Raj A.S., Mohan A., Viswanath D., Chatanathodi R., Varma R.	A dual-channel incoherent broadband cavity- enhanced absorption spectrometer for sensitive atmospheric NO: Xmeasurements	Analyst	146	8	2542	2549	3.978	10.1039/d1an0013 2a
536	Anand A.S.V., Sivaramakrishna A.	New cerium-loaded phosphine oxide- functionalized polyurethane foam materials – Synthesis, stability, comparison of coordination behavior and catalytic applications	Reactive and Functional Polymers	169				3.975	10.1016/j.reactfunc tpolym.2021.10507 0
537	Rajani P., Rajasekaran C., Vasanthakumari M.M., Olsson S.B., Ravikanth G., Uma Shaanker R.	Inhibition of plant pathogenic fungi by endophytic Trichoderma spp. through mycoparasitism and volatile organic compounds	Microbiological Research	242				3.970	10.1016/j.micres.20 20.126595
538	Jayagopal B., Murugesh S.	QBD-driven HPLC method of eltrombopag olamine: Degradation pathway proposal, structure elucidation, and in silico toxicity prediction	Journal of Pharmaceutical and Biomedical Analysis	203				3.935	10.1016/j.jpba.202 1.114231



539	Joseph P.K., Elangovan D., Sanjeevikumar P.	System Architecture, Design, and Optimization of a Flexible Wireless Charger for Renewable Energy-Powered Electric Bicycles	IEEE Systems Journal	15	2	2696	2707	3.931	10.1109/JSYST.202 0.2993054
540	Ramasubbaredd y S., Ramasamy S., Sahoo K.S., Kumar R.L., Pham Q.-V., Dao N.-N.	CAVMS: Application- Aware Cloudlet Adaption and VM Selection Framework for Multicloudlet Environment	IEEE Systems Journal	15	4	5098	5106	3.931	10.1109/JSYST.2 020.3029807
541	Natarajan B., Obaidat M.S., Sadoun B., Manoharan R., Ramachandran S., Velusamy N.	New Clustering-Based Semantic Service Selection and User Preferential Model	IEEE Systems Journal	15	4	4980	4988	3.931	10.1109/JSYST.2 020.3025407
542	Venkatesan A.K., Swathika O.V.G., Subramaniam U., Bhaskar M.S., Almakhles D.J., Padmanaban S., Mitolo M.	Small-signal stability analysis for microgrids under uncertainty using Malann control technique	IEEE Systems Journal	15		3797	3807	3.931	10.1109/JSYST.202 0.3020509
543	Kumar P., Gnanasekar S., Andrews N.G., Natarajan R.	An integrated approach on proton exchange membrane fuel cell performance enhancement combining flower pollination algorithm and nanofluids	IET Renewable Power Generation	15	10	2216	2227	3.930	10.1049/rpg2.1215 6

544	Pal R., Chavhan S., Gupta D., Khanna A., Padmanaban S., Khan B., Rodrigues J.J.P.C.	A comprehensive review on IoT-based infrastructure for smart grid applications	IET Renewable Power Generation					3.930	10.1049/rpg2.12272
545	Viveka S.S., Logu T., Ahsan N., Karthikeyan J., Murugan P., Sampath M., Kalainathan S., Gupta A., Okada Y., Sethuraman K.	Fe-doped CuGaS <sub>2</sub> (CuGa <sub>1-x</sub> Fe <sub>x</sub> S <sub>2</sub> ) - Detailed analysis of the intermediate band optical response of chalcopyrite thin films based on first principle calculations and experimental studies	Materials Science in Semiconductor Processing	136				3.927	10.1016/j.mssp.2021.106133
546	Manickam A., Jiang J., Zhou Y., Sagar A., Soundrapandiyan R., Dinesh Jackson Samuel R.	Automated pneumonia detection on chest X-ray images: A deep learning approach with different optimizers and transfer learning architectures	Measurement: Journal of the International Measurement Confederation	184				3.927	10.1016/j.measurement.2021.109953
547	Putnik G.D., Manupati V.K., Pabba S.K., Varela L., Ferreira F.	Semi-Double-loop machine learning based CPS approach for predictive maintenance in manufacturing system based on machine status indications	CIRP Annals					3.916	10.1016/j.cirp.2021.04.046
548	Kavitha C., Gowrisankar A., Banerjee S.	The second and third waves in India: when will the pandemic be culminated?	European Physical Journal Plus	136	5			3.911	10.1140/epjp/s13360-021-01586-7

549	Imran M., Alam M.M., Hussain S., Abutaleb A., Aziz A., Chandan M.R., Irshad K., Al-Hagri A.M.A., Bakather O.Y., Khan A.	Colloidal Fe <sub>3</sub> O <sub>4</sub> nanoparticles-based oil blend ferro-nanofluid for heat transfer application	European Physical Journal Plus	136	7			3.911	10.1140/epjp/s13360-021-01711-6
550	Raj A., Ram Kishore S., Jose L., Karn A.K., Chadha U., Selvaraj S.K.	A survey of electromagnetic metal casting computation designs, present approaches, future possibilities, and practical issues	European Physical Journal Plus	136	6			3.911	10.1140/epjp/s13360-021-01689-1
551	Satvik K., Mathur P., Mahawar A., Singh K., Selvaraj S.K.	Literature survey to the materials used in laser-assisted additive manufacturing processes for the production of nuclear materials	European Physical Journal Plus	136	8			3.911	10.1140/epjp/s13360-021-01816-y
552	Dolenec M., Dolenec S., Saridhe S.P., Ramadoss R., Šter K., Selvaraj T.	Inputs to produce lime mortar for conservation and restoration of Thanjavur Palace, India: characterization study	European Physical Journal Plus	136	9			3.911	10.1140/epjp/s13360-021-01897-9
553	Virmani K., Deepak C., Sharma S., Chadha U., Selvaraj S.K.	Nanomaterials for automotive outer panel components: a review	European Physical Journal Plus	136	9			3.911	10.1140/epjp/s13360-021-01931-w

554	chandanam V., lakshmi C.V., Venkatadri K., Bég O.A., Prasad V.R.	Numerical simulation of thermal management during natural convection in a porous triangular cavity containing air and hot obstacles	European Physical Journal Plus	136	8			3.911	10.1140/epjp/s133 60-021-01881-3
555	Bandekar S.R., Ghosh M.	Mathematical modeling of COVID-19 in India and Nepal with optimal control and sensitivity analysis	European Physical Journal Plus	136	10			3.911	10.1140/epjp/s13 360-021-02046-y
556	Kumaran G., Sivaraj R., Ramachandra Prasad V., Anwar Beg O., Leung H.- H., Kamalov F.	Numerical study of axisymmetric magneto- gyrotactic bioconvection in non-Fourier tangent hyperbolic nano- functional reactive coating flow of a cylindrical body in porous media	European Physical Journal Plus	136	11			3.911	10.1140/epjp/s133 60-021-02099-z
557	Dharnidharka M., Chadha U., Dasari L.M., Paliwal A., Surya Y., Selvaraj S.K.	Optical tomography in additive manufacturing: a review, processes, open problems, and new opportunities	European Physical Journal Plus	136	11			3.911	10.1140/epjp/s133 60-021-02108-1
558	Srivastav A.K., Kumar A., Srivastava P.K., Ghosh M.	Modeling and optimal control of dengue disease with screening and information	European Physical Journal Plus	136	11			3.911	10.1140/epjp/s13 360-021-02164-7
559	Nancy A., Balakrishnan S.	Non-local characteristics of deleting machine	European Physical Journal Plus	136	12			3.911	10.1140/epjp/s13 360-021-02221-1

560	Ganesh N.S., Maheswari G.U., Srinivas T., Reddy B.V.	Performance assessment of a novel power generation system	IET Renewable Power Generation					3.894	10.1049/rpg2.1215 5
561	Monica P., Kowsalya M., Guerrero J.M.	Logarithmic droop-based decentralized control of parallel converters for accurate current sharing in islanded DC microgrid applications	IET Renewable Power Generation					3.894	10.1049/rpg2.1210 3
562	Sitharthan R., Yuvaraj S., Padmanabhan S., Holm-Nielsen J.B., Sujith M., Rajesh M., Prabakaran N., Vengatesan K.	Piezoelectric energy harvester converting wind aerodynamic energy into electrical energy for microelectronic application	IET Renewable Power Generation					3.894	10.1049/rpg2.1211 9
563	Mathew D., Chinnappa Naidu R., Wang Y., Busawon K.	Single-stage microinverter with current sensorless control for BIPV system	IET Renewable Power Generation					3.894	10.1049/rpg2.1217 7
564	Kumar P., Kumar R., Srivastava G., Gupta G.P., Tripathi R., Gadekallu T.R., Xiong N.	PPSF: A Privacy-Preserving and Secure Framework using Blockchain-based Machine-Learning for IoT- driven Smart Cities	IEEE Transactions on Network Science and Engineering					3.894	10.1109/TNSE.2021 .3089435
565	Cui Y., Song X., Liu J., Chen K., Shi G., Zhou J., Tamizharasi G.	AACFAccessible Application-Centric Framework for the Internet of Things Backhauled Smart City Applications	IEEE Transactions on Network Science and Engineering					3.894	10.1109/TNSE.2021 .3099579

566	Jhaveri R.H., Ramani S.V., Srivastava G., Gadekallu T.R., Aggarwal V.	Fault-Resilience for Bandwidth Management in Industrial Software- Defined Networks	IEEE Transactions on Network Science and Engineering	8	4	3129	3139	3.894	10.1109/TNSE.20 21.3104499
567	Mathew D., J P.R., Pillai D.S., Kim Y., D. E., Laudani A., Mahmud A.	Parameter Estimation of Organic Photovoltaic Cells &#x2013; A Three- Diode Approach Using Wind-Driven Optimization Algorithm	IEEE Journal of Photovoltaics					3.887	10.1109/JPHOTO V.2021.3129874
568	Sarkar R., Mishra K., Harshita, Das P.K., Ramakrishnan S.	Probing Polymer Chain Folding in Solution Using Second Harmonic Light Scattering	Langmuir	37	42	12457	12465	3.882	10.1021/acs.langm uir.1c02156
569	Pal M., Musib D., Pal M., Rana G., Bag G., Dutta S., Roy M.	A noncovalent hybrid of [Pd(phen)(OAc) <sub>2</sub> ] and st- DNA for the enantioselective hydroamination of $\beta$ - nitrostyrene with methoxyamine	Organic and Biomolecular Chemistry	19	23	5072	5076	3.876	10.1039/d1ob0071 4a
570	Sivaraj C., Ramkumar A., Sankaran N., Gandhi T.	Transition-metal- catalyzed C-H bond activation/functionalizati on and annulation of phthalazinones	Organic and Biomolecular Chemistry	19	38	8165	8183	3.876	10.1039/d1ob016 16d
571	Sravani M.M., Ananiah Durai S.	Attacks on cryptosystems implemented via VLSI: A review	Journal of Information Security and Applications	60				3.872	10.1016/j.jisa.2021. 102861

572	Kothandan S., Sheela A.	Dna interaction and cytotoxic studies on mono/di-oxo and peroxy- vanadium (V) complexes-a review	Mini-Reviews in Medicinal Chemistry	21	14	1909	1924	3.862	10.2174/13895575 2166621030814352 2
573	Singh P., Verma A., Alex J.S.R.	Disease and pest infection detection in coconut tree through deep learning techniques	Computers and Electronics in Agriculture	182				3.858	10.1016/j.compag. 2021.105986
574	Lathabhavan R.	A Psychometric Analysis of Fear of COVID-19 Scale in India	International Journal of Mental Health and Addiction					3.836	10.1007/s11469- 021-00657-1
575	Kumar A., Althuwayb A.A.	SIW Resonator Based Duplex Filter	IEEE Antennas and Wireless Propagation Letters					3.834	10.1109/LAWP.2 021.3118566
576	Ovalı D., Tarraste M., Kaba M., Ağaoğulları D., Kollo L., Prashanth K.G., Lütfi Öveçoğlu M.	Spark plasma sintering of molybdenum silicides synthesized from oxide precursors	Ceramics International					3.830	10.1016/j.ceramint. 2021.01.248
577	Shunmugam R., Renukadevi Balusamy S., Kumar V., Menon S., Lakshmi T., Perumalsamy H.	Biosynthesis of gold nanoparticles using marine microbe ( <i>Vibrio alginolyticus</i> ) and its anticancer and antioxidant analysis	Journal of King Saud University - Science	33	1			3.819	10.1016/j.jksus.202 0.101260

578	Gopal L.C., Govindarajan M., Kavipriya M.R., Mahboob S., Al- Ghanim K.A., Virik P., Ahmed Z., Al- Mulhm N., Senthilkumaran V., Shankar V.	Optimization strategies for improved biogas production by recycling of waste through response surface methodology and artificial neural network: Sustainable energy perspective research	Journal of King Saud University - Science	33	1			3.819	10.1016/j.jksus.202 0.101241
579	Shankar V., Mahboob S., Al- Ghanim K.A., Ahmed Z., Al- Mulhm N., Govindarajan M.	A review on microbial degradation of drinks and infectious diseases: A perspective of human well-being and capabilities	Journal of King Saud University - Science	33	2			3.819	10.1016/j.jksus.202 0.101293
580	Gayathri R., Mahboob S., Govindarajan M., Al-Ghanim K.A., Ahmed Z., Al- Mulhm N., Vodovnik M., Vijayalakshmi S.	A review on biological carbon sequestration: A sustainable solution for a cleaner air environment, less pollution and lower health risks	Journal of King Saud University - Science	33	2			3.819	10.1016/j.jksus.202 0.101282
581	Venkatesh S., Mahboob S., Govindarajan M., Al-Ghanim K.A., Ahmed Z., Al- Mulhm N., Gayathri R., Vijayalakshmi S.	Microbial degradation of plastics: Sustainable approach to tackling environmental threats facing big cities of the future	Journal of King Saud University - Science	33	3			3.819	10.1016/j.jksus.202 1.101362



582	Kumar L.A., Indragandhi V., Selvamathi R., Vijayakumar V., Ravi L., Subramaniaswamy V.	Design, power quality analysis, and implementation of smart energy meter using internet of things	Computers and Electrical Engineering	93				3.818	10.1016/j.compeleceng.2021.107203
583	Sengan S., V S., V I., Velayutham P., Ravi L.	Detection of false data cyber-attacks for the assessment of security in smart grid using deep learning	Computers and Electrical Engineering	93				3.818	10.1016/j.compeleceng.2021.107211
584	Shynu P.G., Al-Turjman F.	Data-centric routing and caching approach for mobile and social sensing applications	Computers and Electrical Engineering	94				3.818	10.1016/j.compeleceng.2021.107357
585	Ugandran I., Mahendran A., S. A., Hamada M., Alnumay W.S., Ghosh U., Sharma P.K.	A novel cryptosystem using DNA sequencing and contextual array splicing system for Medical Internet of Things	Computers and Electrical Engineering	96				3.818	10.1016/j.compeleceng.2021.107429
586	Babukarthik R.G., Dhasarathan C., Kumar M., Shankar A., Thakur S., Cheng X.	A novel approach for multi-constraints knapsack problem using cluster particle swarm optimization	Computers and Electrical Engineering	96				3.818	10.1016/j.compeleceng.2021.107399
587	Senthilanthan K., Annapoorani K.I.	Resilient cyber physical simulation for modified back-to-back converter with sliding mode control	Computers and Electrical Engineering	96				3.818	10.1016/j.compeleceng.2021.107483

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589	Deepak G., Gulzar Z., Leema A.A.	An intelligent system for modeling and evaluation of domain ontologies for Crystallography as a prospective domain with a focus on their retrieval	Computers and Electrical Engineering	96				3.818	10.1016/j.compel eceng.2021.107604
590	Kunasekaran M., Rhee S.H., Venkatesan N., Samad A.	Design optimization of a marine current turbine having winglet on blade	Ocean Engineering	239				3.795	10.1016/j.oceaneng.2021.109877
591	Sivalingam S., Murugesan G.P., Dhulipala K., Kulkarni A.V., Devaraj S.	Temporal fluctuations of siachen glacier velocity: a repeat pass sar interferometry based approach	Geocarto International					3.789	10.1080/10106049.2021.1899306
592	S H., Bhaaskaran V.S.K.	Design and Analysis of Secure Quasi-Adiabatic Tristate Physical Unclonable Function	IEEE Consumer Electronics Magazine					3.789	10.1109/MCE.2021.3117541
593	Wang W., Fida M.H., Lian Z., Yin Z., Pham Q., Gadekallu T.R., Dev K., Su C.	Secure-Enhanced Federated Learning for AI-Empowered Electric Vehicle Energy Prediction	IEEE Consumer Electronics Magazine					3.789	10.1109/MCE.2021.3116917

594	R J., G S., D S., T M A.M., R S.	Application of Artificial Immune Recognition System for monitoring the Brake System using Vibration Based Statistical Learning	IEEE Consumer Electronics Magazine					3.789	10.1109/MCE.2021.3115731
595	Ghosh S., Bharadwaj S.J., Bharadwaj S.J., Gumber S.	Engineered bioclimatic responses in ancient settlements: a case study	International Journal of Biometeorology					3.787	10.1007/s00484-021-02153-6
596	Gunasekaran V., Pitchaimani J., Mailan Chinnapandi L.B.	Acoustic radiation and transmission loss of FG-Graphene composite plate under nonuniform edge loading	European Journal of Mechanics, A/Solids	88				3.786	10.1016/j.euromechsol.2021.104249
597	Madatali Abuwani A., Priyadarshini Dash S., Ganesan R., Renu K., Vellingiri B., Kandasamy S., Sundara Rajan C.R., Valsala Gopalakrishnan A.	Gut microbiome and metabolic response in non-alcoholic fatty liver disease	Clinica Chimica Acta	523		304	314	3.786	10.1016/j.cca.2021.10.014
598	Hemalatha J., Geetha S., Geetha R., Balasubramanian C., Popescu D.E., Hemanth J.	Reversible data hiding based on varying radix numeral system	Computers, Materials and Continua	69	1	283	300	3.772	10.32604/cmc.2021.017203

599	Ayoub A., Mahboob K., Javed A.R., Rizwan M., Gadekallu T.R., Abidi M.H., Alkahtani M.	Classification and categorization of COVID- 19 outbreak in Pakistan	Computers, Materials and Continua	69	1	1253	1269	3.772	10.32604/cmc.2021 .015655
600	Bhattacharya S., Maddikunta P.K.R., Meenakshisundara m I., Gadekallu T.R., Sharma S., Alkahtani M., Abidi M.H.	Deep neural networks based approach for battery life prediction	Computers, Materials and Continua	69	2	2599	2615	3.772	10.32604/cmc.2021 .016229
601	Sowmyalakshmi R., Waly M.I., Sikkandar M.Y., Jayasankar T., Ahmad S.S., Rani R., Chavhan S.	An Optimal Lempel Ziv Markov Based Microarray Image Compression Algorithm	Computers, Materials and Continua	69	2	2245	2260	3.772	10.32604/cmc.2021 .018636
602	Zhang D., Hu J., Li F., Ding X., Sangaiah A.K., Sheng V.S.	Small object detection via precise region-based fully convolutional networks	Computers, Materials and Continua	69	2	1503	1517	3.772	10.32604/cmc.2021 .017089
603	Patel H., Rajput D.S., Stan O.P., Miclea L.C.	A new fuzzy adaptive algorithm to classify imbalanced data	Computers, Materials and Continua	70	1	73	89	3.772	10.32604/cmc.2022 .017114
604	Thirugnansamband am K., Bhattacharyya D., Frnda J., Anguraj D.K., Nedoma J.	Augmented node placement model in t- WSN through multiobjective approach	Computers, Materials and Continua	69	3	3629	3644	3.772	10.32604/cmc.2021 .018939

605	Krishna A.V., Leema A.A.	ETM-IoT: Energy-aware threshold model for heterogeneous communication in the internet of things	Computers, Materials and Continua	70	1	1815	1827	3.772	10.32604/cmc.2022.018455
606	Devi R.C., Florinabel D.J., Prasanth N.	High throughput scheduling algorithms for input queued packet switches	Computers, Materials and Continua	70	1	1527	1540	3.772	10.32604/cmc.2022.019343
607	Datta D., Garg L., Srinivasan K., Inoue A., Thippa Reddy G., Praveen Kumar Reddy M., Ramesh K., Nasser N.	An efficient sound and data steganography based secure authentication system	Computers, Materials and Continua	67	1	723	751	3.772	10.32604/cmc.2021.014802
608	Iyapparaja M., Kumar M.S., Krishnan S.S.R., Chowdhary C.L., Yoon B., Singh S., Cho G.H.	FogQSYM: An Industry 4.0 Analytical Model for Fog Applications	Computers, Materials and Continua	69	3	3163	3178	3.772	10.32604/cmc.2021.017302
609	Rajpoot V., Tiwari V., Saxena A., Chaturvedi P., Rajput D.S., Alkahtani M., Abidi M.H.	RSS-Based Selective Clustering Technique Using Master Node for WSN	Computers, Materials and Continua	69	3	3917	3930	3.772	10.32604/cmc.2021.015826

610	Gupta V., Jain N., Katariya P., Kumar A., Mohan S., Ahmadian A., Ferrara M.	An Emotion Care Model using Multimodal Textual Analysis on COVID-19	Chaos, Solitons and Fractals	144				3.764	10.1016/j.chaos.20 21.110708
611	Vigneswaran V.S., Kumar P.G., Sakthivadivel D., Balaji K., Meikandan M., Dinakar B.V., Kamal K.K., Kumaresan G.	Energy, Exergy, and Economic analysis of low thermal conductivity basin solar still integrated with Phase Change Material for energy storage	Journal of Energy Storage	34				3.762	10.1016/j.est.2020. 102194
612	Arthisree D., Madhuri W., Saravanan N., Dinesh B., Saikrithika S., Kumar A.S.	A ternary polymer nanocomposite film composed of green- synthesized graphene quantum dots, polyaniline, polyvinyl butyral and poly(3,4- ethylenedioxythiophene) polystyrene sulfonate for supercapacitor application	Journal of Energy Storage	35				3.762	10.1016/j.est.2021. 102333
613	Singirikonda S., Obulesu Y.P.	Active cell voltage balancing of Electric vehicle batteries by using an optimized switched capacitor strategy	Journal of Energy Storage	38				3.762	10.1016/j.est.2021. 102521

614	Gopi Kannan K., Kamatchi R.	Experimental investigation on thermosyphon aid phase change material heat exchanger for electronic cooling applications	Journal of Energy Storage	39				3.762	10.1016/j.est.2021.102649
615	Thanh N.C., Devi Rajeswari V., Narayanan M., Kandasamy S., Chinnathambi A., Ali Alharbi S., Van Le Q., Kathirvel B.	Evaluation of probiotic susceptibility of virulent Aeromonas sp. by a study on gut histology of Cyprinus carpio	Process Biochemistry	111		154	159	3.757	10.1016/j.procbio.2021.10.023
616	Srinivasan S., L D D.B.	A social immunity based approach to suppress rumors in online social networks	International Journal of Machine Learning and Cybernetics					3.753	10.1007/s13042-020-01233-0
617	Ali M.N.Y., Rahman M.L., Chaki J., Dey N., Santosh K.C.	Machine translation using deep learning for universal networking language based on their structure	International Journal of Machine Learning and Cybernetics					3.753	10.1007/s13042-021-01317-5
618	Lenin N.C., Padmanaban S., Bhaskar M.S., Mitolo M., Hossain E.	Ceiling Fan Drives-Past, Present and Future	IEEE Access					3.745	10.1109/ACCESS.2021.3052899
619	Khasim S.R., Dhanamjayulu C., Sanjeevikumar P., Holm-Nielsen J.B., Mitolo M.	A Novel Asymmetrical 21-Level Inverter for Solar PV Energy System with Reduced Switch Count	IEEE Access					3.745	10.1109/ACCESS.2021.3051039

620	Li H., Chen Y., Zhu M., Sun J., Do D.-T., Menon V.G., P. G. S.	Secrecy Outage Probability of Relay Selection Based Cooperative NOMA for IoT Networks	IEEE Access	9		1655	1665	3.745	10.1109/ACCESS.2020.3047136
621	Dhanamjayulu C., Padmanaban S., Holm-Nielsen J.B., Blaabjerg F.	Design and Implementation of a Single-Phase 15-Level Inverter with Reduced Components for Solar PV Applications	IEEE Access	9		581	594	3.745	10.1109/ACCESS.2020.3046477
622	Dhanamjayulu C., Padmanaban S., Ramachandaramurthy V.K., Holm-Nielsen J.B., Blaabjerg F.	Design and Implementation of Multilevel Inverters for Electric Vehicles	IEEE Access	9		317	338	3.745	10.1109/ACCESS.2020.3046493
623	Sawle Y., Jain S., Babu S., Nair A.R., Khan B.	Prefeasibility Economic and Sensitivity Assessment of Hybrid Renewable Energy System	IEEE Access					3.745	10.1109/ACCESS.2021.3058517
624	Sarojini R.K., Palanisamy K.	Inertia emulation through supercapacitor for a weak grid	IEEE Access					3.745	10.1109/ACCESS.2021.3058951
625	Maheswari M., Geetha S., Selva Kumar S., Karuppiyah M., Samanta D., Park Y.	PEVRM: Probabilistic Evolution Based Version Recommendation Model for Mobile Applications	IEEE Access	9		20819	20827	3.745	10.1109/ACCESS.2021.3053583



626	Dhanamjayulu C., Prasad D., Sanjeevikumar P., Maroti P.K., Holm- Nielsen J.B., Blaabjerg F.	Design and Implementation of Seventeen Level Inverter with Reduced Components	IEEE Access					3.745	10.1109/ACCESS.20 21.3054001
627	Prasad D., Dhanamjayulu C., Sanjeevikumar P., Holm-Nielsen J.B., Blaabjerg F., Khasim S.R.	Design and Implementation of 31- level Asymmetrical Inverter with Reduced Components	IEEE Access					3.745	10.1109/ACCESS.20 21.3055368
628	Dhandapani A., Vadivel V.	Question Answering System Over Semantic Web	IEEE Access					3.745	10.1109/ACCESS.20 21.3067942
629	Shynu P.G., Menon V.G., Kumar R., Kadry S., Nam Y.	Blockchain-based Secure Healthcare Application for Diabetic-Cardio Disease Prediction in Fog Computing	IEEE Access					3.745	10.1109/ACCESS.20 21.3065440
630	Sujatha R., Mareeswari V., Chatterjee J.M., Mousa A.A.A., Hassanien A.E.	A Bayesian regularized neural network for analyzing bitcoin trends	IEEE Access	9		37989	38000	3.745	10.1109/ACCESS.20 21.3063243
631	Singaravelan A., Kowsalya M., Prasanth Ram J., Gunapriya B., Kim Y.	Application of Two-Phase Simplex Method (TPSM) for an Efficient Home Energy Management System to Reduce Peak Demand and Consumer Consumption Cost	IEEE Access					3.745	10.1109/ACCESS.20 21.3072683

632	Arunkumar G., Dhanamjayulu C., Padmanaban S., Prusty B.R., Khan B.	Implementation of Optimization-Based PI Controller Tuning for Non- Ideal Differential Boost Inverter	IEEE Access	9		58677	58688	3.745	10.1109/ACCESS.20 21.3071538
633	Reka S.S., Venugopal P., Alhelou H.H., Siano P., Golshan M.E.H.	Real Time Demand Response Modeling for Residential Consumers in Smart Grid Considering Renewable Energy with Deep Learning Approach	IEEE Access	9		56551	56562	3.745	10.1109/ACCESS.20 21.3071993
634	Mahesh V.G.V., Chen C., Rajangam V., Raj A.N.J., Krishnan P.T.	Shape and Texture Aware Facial Expression Recognition Using Spatial Pyramid Zernike Moments and Law's Textures Feature Set	IEEE Access	9		52509	52522	3.745	10.1109/ACCESS.20 21.3069881
635	Lohitha N., Vijayakumar V.	Imidazole Appended Novel Phenoxyquinolines as New Inhibitors of $\alpha$ - Amylase and $\alpha$ - Glucosidase Evidenced with Molecular Docking Studies	Polycyclic Aromatic Compounds					3.744	10.1080/10406638. 2021.1939069
636	Teja C., Garg A., Rohith G.K., Roshini H., Jena S., Nawaz Khan F.R.	Diversity Oriented Synthesis of Oxygen- Heterocycles, Warfarin Analog Utilizing Microwave-Assisted Dimethyl Urea-Based Deep Eutectic Solvents	Polycyclic Aromatic Compounds					3.744	10.1080/10406638. 2021.1912123

637	Ravi Shankar B., Vijayakumar V., Sivaramakrishnan H., Suneel Manohar C.	Synthesis of Novel N-(6-(Trifluoromethyl)Pyridin-2-yl)Pyrimidin-4-Amine Analogues	Polycyclic Aromatic Compounds					3.744	10.1080/10406638. 2021.1980062
638	Aggile K., Napoleon A.A.	Synthesis of Novel Substituted Piperazin-1-yl-7H-Pyrrolo[2,3-d]Pyrimidines for C-N Bond Formation via Buchwald Hartwig Coupling Reaction	Polycyclic Aromatic Compounds					3.744	10.1080/1040663 8.2021.1991394
639	Hemanth Kumar P., Sarveswari S.	A Diversity-Oriented Concise Synthesis of a New Class bi, Tri-Podal Quinoline Derivatives with Their In Silico Alpha-Amylase and Alpha-Glucosidase Binding Studies	Polycyclic Aromatic Compounds					3.744	10.1080/10406638. 2021.1996406
640	Ravi V., Siddiqui M.K., Chidambaram N., Desikan K.	On Topological Descriptors and Curvilinear Regression Analysis of Antiviral Drugs Used in COVID-19 Treatment	Polycyclic Aromatic Compounds					3.744	10.1080/10406638. 2021.1993941
641	Rambabu G., Kiran Y.B., Sarveswari S., Vijayakumar V.	Synthesis of New 6-Oxo-1,6-Dihydropyrimidin-5-Carboxamides and Evaluation of Their anti-Bacterial and anti-Oxidant Activities	Polycyclic Aromatic Compounds					3.744	10.1080/1040663 8.2021.2019799

642	Teja C., Ramanathan K., Naresh K., Vidya R., Gomathi K., Nawaz F.R.	Design, Synthesis, and Biological Evaluation of Tryptanthrin Alkaloids as Potential anti-Diabetic and Anticancer Agents	Polycyclic Aromatic Compounds					3.744	10.1080/10406638. 2021.2021257
643	Venkatesan K., Satyanarayana V.S.V., Sivakumar A.	Synthesis and Biological Evaluation of Novel Phenothiazine Derivatives as Potential Antitumor Agents	Polycyclic Aromatic Compounds					3.744	10.1080/10406638. 2021.2021254
644	Teja C., Roshini H., Thiyagamurthy P., Daniel J.A., Devi S.A., Vidya R., Nawaz Khan F.R.	Tetrabutylammonium- salt, a novel ionic medium for the synthesis of quinoline–hybrid chalcones, and its biological evaluation	Polycyclic Aromatic Compounds					3.744	10.1080/10406638. 2021.2020308
645	Sankar R., Varsha A., Sivasubramanian V., Ranjitha J.	Electrocoagulation Technique for Cephalothin Sodium Removal with Effective Sludge Management	Chemical Engineering and Technology					3.742	10.1002/ceat.2020 00464
646	Omkar B.L.R., Tula A., Gadi S., Thangavel V.	Development of Thermoelectric Power Generation from Waste Heat of Buildings and Domestic Appliances	Chemical Engineering and Technology	44	5	923	927	3.742	10.1002/ceat.2020 00539
647	Mathews Roy A., Prasanna Venkatesan R., Shanmugapriya T.	Simulation and Analysis of a Factory Building's Energy Consumption Using eQuest Software	Chemical Engineering and Technology	44	5	928	933	3.742	10.1002/ceat.2020 00489

648	Panda A., Aviso K.B., Mishra U., Nanda I.	Impact of optimal power generation scheduling for operating cleaner hybrid power systems with energy storage	International Journal of Energy Research					3.741	10.1002/er.6656
649	Archana T., Sreelekshmi S., Subashini G., Grace A.N., Arivanandhan M., Jayavel R.	The effect of graphene quantum dots/ZnS co-passivation on enhancing the photovoltaic performance of CdS quantum dot sensitized solar cells	International Journal of Energy Research					3.741	10.1002/er.6821
650	Choudhari M.S., Sharma V.K., Paswan M.	Metal hydrides for thermochemical energy storage applications	International Journal of Energy Research					3.741	10.1002/er.6818
651	Gautam A., Bhagat P.R., Kumar S., Patle D.S.	Dry route process and wet route process for algal biodiesel production: A review of techno-economical aspects	Chemical Engineering Research and Design	174		365	385	3.739	10.1016/j.cherd.2021.08.018
652	Karpagarajesh G., Santhana Krishnan R., Harold Robinson Y., Vimal S., Kadry S., Nam Y.	Investigation of digital video broadcasting application employing the modulation formats like QAM and PSK using OWC, FSO, and LOS-FSO channels	Alexandria Engineering Journal					3.732	10.1016/j.aej.2021.06.038

653	Arulvel S., Dsilva Winfred Rufuss D., Sharma S.S., Mitra A., Elayaperumal A., Jagatheeshwaran M.S.	A novel water quench approach for enhancing the surface characteristics of electroless nickel phosphorous deposit	Surfaces and Interfaces	23				3.724	10.1016/j.surfin.2021.100975
654	Gopalakrishnan V., Sundararajan A., Omprakash P., Panemangalore D.B.	Review-energy storage through graphite intercalation compounds	Journal of the Electrochemical Society	168	4			3.721	10.1149/1945-7111/abf973
655	Kanakannavar S., Pitchaimani J., Thalla A., Rajesh M.	Biodegradation properties and thermogravimetric analysis of 3D braided flax PLA textile composites	Journal of Industrial Textiles					3.721	10.1177/15280837211010666
656	Natarajan G., Rajan T P.	Review on the performance characteristics and quality standards of motorcycle protective clothing	Journal of Industrial Textiles					3.721	10.1177/15280837211057578
657	Guha T., Gopal G., Das H., Mukherjee A., Kundu R.	Nanoprimering with zero-valent iron synthesized using pomegranate peel waste: A “green” approach for yield enhancement in <i>Oryza sativa</i> L. cv. Gonindobhog	Plant Physiology and Biochemistry	163		261	275	3.72	10.1016/j.plaphy.2021.04.006

658	Wang Z., Rangaiah G.P., Wang X.	Preference Ranking on the Basis of Ideal-Average Distance Method for Multi-Criteria Decision-Making	Industrial and Engineering Chemistry Research					3.72	10.1021/acs.iecr.1c01413
659	Dharaskar S., Desai K., Tadi K.K., Sillanpää M.	Synthesis, Characterization and Application of Trihexyl (Tetradecyl) Phosphonium Bromide as a Promising Solvent for Sulfur Extraction from Liquid Fuels	Industrial and Engineering Chemistry Research					3.720	10.1021/acs.iecr.1c02169
660	Wang Z., Liu D., Oleksandr S., Li J., Arumugam S.K., Chen F.	Urushiol-Induced Hydrogels with Long-Term Durability and Long Service Lifespan in Mechanosensation	Industrial and Engineering Chemistry Research	60	48	17534	17544	3.720	10.1021/acs.iecr.1c03330
661	Ashwini K., Vincent P.M.D.R., Srinivasan K., Chang C.-Y.	Deep Learning Assisted Neonatal Cry Classification via Support Vector Machine Models	Frontiers in Public Health	9				3.709	10.3389/fpubh.2021.670352
662	Senthilkumar S., Brindha K., Kryvinska N., Bhattacharya S., Reddy Bojja G.	SCB-HC-ECC-Based Privacy Safeguard Protocol for Secure Cloud Storage of Smart Card-Based Health Care System	Frontiers in Public Health	9				3.709	10.3389/fpubh.2021.688399

663	Kaliappan J., Srinivasan K., Mian Qaisar S., Sundararajan K., Chang C.-Y., Suganthan C.	Performance Evaluation of Regression Models for the Prediction of the COVID-19 Reproduction Rate	Frontiers in Public Health	9				3.709	10.3389/fpubh.20 21.729795
664	Singhania U., Tripathy B., Hasan M.K., Anumbe N.C., Alboaneen D., Ahmed F.R.A., Ahmed T.E., Nour M.M.M.	A Predictive and Preventive Model for Onset of Alzheimer's Disease	Frontiers in Public Health	9				3.709	10.3389/fpubh.202 1.751536
665	Narayanasamy S.K., Srinivasan K., Mian Qaisar S., Chang C.-Y.	Ontology-Enabled Emotional Sentiment Analysis on COVID-19 Pandemic-Related Twitter Streams	Frontiers in Public Health	9				3.709	10.3389/fpubh.20 21.798905
666	Ahmed S.A., John B.	Predictive correlations for heat transfer characteristics of oil- water horizontal pipe flow-an experimental study	Journal of Petroleum Science and Engineering	204				3.706	10.1016/j.petrol.20 21.108733
667	Jayaraj R., Mohan J.	Classification of sleep apnea based on sub-band decomposition of eeg signals	Diagnostics	11	9			3.706	10.3390/diagnostic s11091571



668	Brindha J., Balamurali M.M., Chanda K.	An Overview on the Therapeutics of Neglected Infectious Diseases—Leishmaniasis and Chagas Diseases	Frontiers in Chemistry	9				3.693	10.3389/fchem.2021.622286
669	Deora N., Sunitha M.M., Satyavani M., Harishankar N., Vijayalakshmi M.A., Venkataraman K., Venkateshan V.	Alleviation of diabetes mellitus through the restoration of $\beta$ -cell function and lipid metabolism by Aloe vera (L.) Burm. f. extract in obesogenic WNIN/GR-Ob rats	Journal of Ethnopharmacol ogy	272				3.690	10.1016/j.jep.2021.113921
670	Babu S.N., Govindarajan S., Vijayalakshmi M.A., Noor A.	Role of zonulin and GLP- 1/DPP-IV in alleviation of diabetes mellitus by peptide/polypeptide fraction of Aloe vera in streptozotocin- induced diabetic wistar rats	Journal of Ethnopharmacol ogy	272				3.690	10.1016/j.jep.2021.113949
671	Nachimuthu R., Madurantakam Royam M., Manohar P., Leptihn S.	Application of bacteriophages and endolysins in aquaculture as a biocontrol measure	Biological Control	160				3.687	10.1016/j.biocontrol.2021.104678
672	Niyogi S., Sen Gupta B.	Mechanical properties and pore size distribution in athermal porous glasses	Soft Matter	17	42	9716	9724	3.679	10.1039/d1sm01223a

673	Panneerselvam I.R., Kim M.H., Baldo C., Wang Y., Sahasranaman M.	Strain engineering of polar optical phonon scattering mechanism-an effective way to optimize the power-factor and lattice thermal conductivity of ScN	Physical Chemistry Chemical Physics	23	40	23288	23302	3.676	10.1039/d1cp02971a
674	Assudani P.J., Balakrishnan P.	An efficient approach for load balancing of VMs in cloud environment	Applied Nanoscience (Switzerland)					3.674	10.1007/s13204-021-02014-z
675	Nguyen T.-C.-V., Rajeswari V.D., Al-Kheraif A.A., Brindhadevi K.	Study of antimicrobial properties of Piper betel coated nanozirconium on cotton gauze	Applied Nanoscience (Switzerland)					3.674	10.1007/s13204-021-01987-1
676	Preetha A.D., Kumar T.S.P.	Securing IoT-based healthcare systems from counterfeit medicine penetration using Blockchain	Applied Nanoscience (Switzerland)					3.674	10.1007/s13204-021-01984-4
677	Rajeswari V.D., Khalifa A.S., Elfasakhany A., Badruddin I.A., Kamangar S., Brindhadevi K.	Green and ecofriendly synthesis of cobalt oxide nanoparticles using Phoenix dactylifera L: antimicrobial and photocatalytic activity	Applied Nanoscience (Switzerland)					3.674	10.1007/s13204-021-02038-5
678	Rajeswari V.D., Eed E.M., Elfasakhany A., Badruddin I.A., Kamangar S., Brindhadevi K.	Green synthesis of titanium dioxide nanoparticles using Laurus nobilis (bay leaf): antioxidant and antimicrobial activities	Applied Nanoscience (Switzerland)					3.674	10.1007/s13204-021-02065-2

679	David Gnanaraj J., Mothilal S., Vignesh V., Karthick T., Ismail S.O., Rajini N., Raja Mohamed Rabi B., Siengchin S., Mohammad F.	Investigation into Mechanical, Thermal and Water Absorption Behaviors of Cocos nucifera Shell Filler Reinforced Vinyl Ester Polymeric Composites	Journal of Polymers and the Environment					3.667	10.1007/s10924-021-02343-8
680	Priyanka T.M.C., Gowrisankar A.	ANALYSIS on WEYL-MARCHAUD FRACTIONAL DERIVATIVE for TYPES of FRACTAL INTERPOLATION FUNCTION with FRACTAL DIMENSION	Fractals	29	7			3.665	10.1142/S0218348X21502157
681	Srivastava S., Samarpita S., Ganesan R., Rasool M.	CYT387 Inhibits the Hyperproliferative Potential of Fibroblast-like Synoviocytes via Modulation of IL-6/JAK1/STAT3 Signaling in Rheumatoid Arthritis	Immunological Investigations					3.657	10.1080/08820139.2021.1994589
682	Davuluri S., Bajpai A.K., Thirumurugan K., Acharya K.K.	The molecular basis of gender disparities in smoking lung cancer patients	Life Sciences	267				3.647	10.1016/j.lfs.2020.118927

683	P K.M., Sivashanmugam K., Kandasamy M., Subbiah R., Ravikumar V.	Repurposing of histone deacetylase inhibitors: A promising strategy to combat pulmonary fibrosis promoted by TGF- $\beta$ signalling in COVID-19 survivors	Life Sciences	266				3.647	10.1016/j.lfs.2020. 118883
684	Unni P.A., Pillai G.G., Sajithalulu S.	Biological processes and key druggable targets involved in age-associated memory loss: A systematic review	Life Sciences	270				3.647	10.1016/j.lfs.2021. 119079
685	Namachivayam A., Valsala Gopalakrishnan A.	A review on molecular mechanism of alcoholic liver disease	Life Sciences	274				3.647	10.1016/j.lfs.2021. 119328
686	D. Prabhu Y., Valsala Gopalakrishnan A.	Can polyunsaturated fatty acids regulate Polycystic Ovary Syndrome via TGF- $\beta$ signalling?	Life Sciences	276				3.647	10.1016/j.lfs.2021. 119416
687	D. Prabhu Y., Bhati M., Vellingiri B., Valsala Gopalakrishnan A.	The effect of $\gamma$ -linolenic acid on Polycystic Ovary Syndrome associated Focal Segmental Glomerulosclerosis via TGF- $\beta$ pathway	Life Sciences	276				3.647	10.1016/j.lfs.2021. 119456
688	Deotale R., Rawat S., Vijayarajan V., Surya Prasath V.B.	POCASUM: policy categorizer and summarizer based on text mining and machine learning	Soft Computing	25	14	9365	9375	3.643	10.1007/s00500- 021-05916-w

689	Chunduri R.K., Cherukuri A.K.	Scalable algorithm for generation of attribute implication base using FP-growth and spark	Soft Computing	25	14	9219	9240	3.643	10.1007/s00500-021-05844-9
690	Malarvizhi Kumar P., Hong C.S., Chandra Babu G., Selvaraj J., Gandhi U.D.	Cloud- and IoT-based deep learning technique-incorporated secured health monitoring system for dead diseases	Soft Computing					3.643	10.1007/s00500-021-05866-3
691	Arul R., Alroobaea R., Mehti S., Rubaiee S., Andejany M., Tariq U., Iftikhar S.	Intelligent data analytics in energy optimization for the internet of underwater things	Soft Computing					3.643	10.1007/s00500-021-06002-x
692	Shubham S., Jain N., Gupta V., Mohan S., Ariffin M.M., Ahmadian A.	Identify glomeruli in human kidney tissue images using a deep learning approach	Soft Computing					3.643	10.1007/s00500-021-06143-z
693	Suchetha M., Ganesh N.S., Raman R., Dhas D.E.	Region of interest-based predictive algorithm for subretinal hemorrhage detection using faster R-CNN	Soft Computing					3.643	10.1007/s00500-021-06098-1
694	Javadpour A., Rezaei S., Sangaiah A.K., Slowik A., Mahmoodi Khaniabadi S.	Enhancement in Quality of Routing Service Using Metaheuristic PSO Algorithm in VANET Networks	Soft Computing					3.643	10.1007/s00500-021-06188-0

695	Bharadwaj B., Saira Banu J., Madijagan M., Ghalib M.R., Castillo O., Shankar A.	GPU-Accelerated implementation of a genetically optimized image encryption algorithm	Soft Computing	25	22	14413	14428	3.643	10.1007/s00500-021-06225-y
696	Chandrasekhar U., Khare N.	An intelligent tutoring system for new student model using fuzzy soft set-based hybrid optimization algorithm	Soft Computing					3.643	10.1007/s00500-021-06396-8
697	Kanimozhi U., Sannasi G., Manjula D., Arputharaj K.	A user preference tree based personalized route recommendation system for constraint tourism and travel	Soft Computing					3.643	10.1007/s00500-021-06289-w
698	Barath Kumar M.D., Manikandan M.	Assessment of Process, Parameters, Residual Stress Mitigation, Post Treatments and Finite Element Analysis Simulations of Wire Arc Additive Manufacturing Technique	Metals and Materials International					3.642	10.1007/s12540-021-01015-5
699	Soni S.K., Ganatra D., Mendiratta P., Reddy C.S.K.A., Thomas B.	Microstructure and Mechanical Characterization of Al <sub>2</sub> O <sub>3</sub> /Graphene Reinforced Al6061 Based Hybrid Nanocomposites	Metals and Materials International					3.642	10.1007/s12540-021-01103-6

700	Bhat A., Budholiya S., Raj S.A., Sultan M.T., Hui D., Shah A.U.M., Safri S.N.A.	Review on nanocomposites based on aerospace applications	Nanotechnology Reviews	10	1	237	253	3.639	10.1515/ntrev-2021-0018
701	Sompalli N.K., Deivasigamani P.	Fabrication of target specific solid-state optical sensors using chromoionophoric probe-integrated porous monolithic polymer and silica templates for cobalt ions	Analytical and Bioanalytical Chemistry					3.637	10.1007/s00216-021-03255-1
702	Alexander J., Porpatham E.	Numerical and experimental analysis on the effects of turbocharged compressed bio-methane-fueled automotive spark-ignition engine	Clean Technologies and Environmental Policy					3.636	10.1007/s10098-021-02161-5
703	Reddy K.H., Nanthagopal K.	Investigations on compression ignition engine durability through long-term endurance study using low viscous biofuel blends	Clean Technologies and Environmental Policy					3.636	10.1007/s10098-021-02160-6
704	Zhuang Z., Yang Z., Zhuang S., Raj A.N.J., Yuan Y., Nersisson R.	Multi-Features-Based Automated Breast Tumor Diagnosis Using Ultrasound Image and Support Vector Machine	Computational Intelligence and Neuroscience	2021				3.633	10.1155/2021/9980326

705	Iyer T.J., Rahul K., Nersisson R., Zhuang Z., Joseph Raj A.N., Refayee I.	Machine Learning-Based Facial Beauty Prediction and Analysis of Frontal Facial Images Using Facial Landmarks and Traditional Image Descriptors	Computational Intelligence and Neuroscience	2021				3.633	10.1155/2021/4423407
706	Zhuang S., Li F., Zhuang Z., Rao W., Joseph Raj A.N., Rajangam V.	Improved ECG-Derived Respiration Using Empirical Wavelet Transform and Kernel Principal Component Analysis	Computational Intelligence and Neuroscience	2021				3.633	10.1155/2021/1360414
707	Agrawal S., Sarkar S., Alazab M., Maddikunta P.K.R., Gadekallu T.R., Pham Q.-V.	Genetic CFL: Hyperparameter Optimization in Clustered Federated Learning	Computational Intelligence and Neuroscience	2021				3.633	10.1155/2021/7156420
708	Agrawal S., Chowdhuri A., Sarkar S., Selvanambi R., Gadekallu T.R.	Temporal Weighted Averaging for Asynchronous Federated Intrusion Detection Systems	Computational Intelligence and Neuroscience	2021				3.633	10.1155/2021/5844728
709	Samuel P.M., Veeramalai T.	VSSC Net: Vessel Specific Skip chain Convolutional Network for blood vessel segmentation	Computer Methods and Programs in Biomedicine	198				3.632	10.1016/j.cmpb.2020.105769



710	Vigneswaran S., Deeyoko L.A.J., Sakthivadivel D., Kumaresan G., Velraj R., GaneshKumar P.	Performance Enhancement Study on Solar Stills by Increasing Evaporative Surface Area and Condensing Surface Area	Energy Technology					3.631	10.1002/ente.2021 00256
711	R P.B., Shaik J., Raju J.J., P P., A S.	A critical review on nanorefrigerants: Boiling, condensation and tribological properties [Une revue critique des nanofrigorigènes: propriétés d'ébullition, de condensation et tribologiques]	International Journal of Refrigeration	128		139	152	3.629	10.1016/j.ijrefrig.20 20.12.027
712	Xi L., Guo S., Ding K., Prashanth K.G., Sarac B., Eckert J.	Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys	Vacuum	191				3.627	10.1016/j.vacuum.2 021.110405
713	Sabapathy S.P., Ammasi A.M., Khalife E., Kaveh M., Szymanek M., Reghu G.K., Sabapathy P.	Comprehensive assessment from optimum biodiesel yield to combustion characteristics of light duty diesel engine fueled with palm kernel oil biodiesel and fuel additives	Materials	14	15			3.623	10.3390/ma141542 74

714	Singh S., Jinoop A.N., Tarun Kumar G.T.A., Palani I.A., Paul C.P., Prashanth K.G.	Effect of interlayer delay on the microstructure and mechanical properties of wire arc additive manufactured wall structures	Materials	14	15			3.623	10.3390/ma14154187
715	Kaliaperumal M., Dharanendrakumar M.S., Prasanna S., Abhishek K.V., Chidambaram R.K., Adams S., Zaghbi K., Reddy M.V.	Cause and mitigation of lithium-ion battery failure—a review	Materials	14	19			3.623	10.3390/ma14195676
716	Annamalai A.R., Muthuchamy A., Srikanth M., Natarajan S., Acharya S., Khisti A., Jen C.-P.	Powder metallurgical processing and characterization of molybdenum addition to tungsten heavy alloys by spark plasma sintering	Materials	14	19			3.623	10.3390/ma14195756
717	Tofil S., Barbucha R., Kocik M., Kozera R., Tański M., Arivazhagan N., Yao J., Zrak A.	Adhesive joints with laser shaped surface microstructures	Materials	14	24			3.623	10.3390/ma14247548

718	Sivaraman K., Muthukumar K., Shanthi C.	Adhesion and proliferation properties of type I collagen-derived peptide for possible use in skin tissue engineering application	Cell Biology International					3.612	10.1002/cbin.11737
719	D Shivankar S., R D.	Product design change propagation in automotive supply chain considering product life cycle	CIRP Journal of Manufacturing Science and Technology	35		390	399	3.602	10.1016/j.cirpj.2021.07.001
720	V.K. A.S., Subramaniam U., Madurai Elavarasan R., Raju K., Shanmugam P.	Sensorless parameter estimation of VFD based cascade centrifugal pumping system using automatic pump curve adaption method	Energy Reports	7		453	466	3.595	10.1016/j.egyr.2021.01.002
721	Vinotha Alex A., Mukherjee A.	Review of recent developments (2018–2020) on acetylcholinesterase inhibition based biosensors for organophosphorus pesticides detection	Microchemical Journal	161				3.594	10.1016/j.microc.2020.105779
722	Mohanasundaram D., Bhaskar R., Gangatharan Vinoth Kumar G., Rajesh J., Rajagopal G.	A quinoline based Schiff base as a turn-on fluorescence chemosensor for selective and robust detection of Cd <sup>2+</sup> ion in semi-aqueous medium	Microchemical Journal	164				3.594	10.1016/j.microc.2021.106030

723	Umesh N.M., Antolin Jesila J., Wang S.-F., Govindasamy M., Alshgari R.A., Ouladsmane M., Asharani I.V.	Fabrication of highly sensitive anticancer drug sensor based on heterostructured ZnO-Co <sub>3</sub> O <sub>4</sub> capped on carbon nitride nanomaterials	Microchemical Journal	167				3.594	10.1016/j.microc.2021.106244
724	P. K. A., Paira P.	Ruthenium(ii)p-cymene complexes of pyridine-2-carboxaldehyde and 2-amino benzothiazole-based ligands: cytoselective and in vitro cell imaging agents	New Journal of Chemistry	45	25	11317	11326	3.591	10.1039/d0nj04137h
725	Viswanathan T., Palanisami N.	Ferrocene-appended boronated ester: effect of cyanovinylene group on the nonlinear optical properties and colorimetric detection of fluoride ion	New Journal of Chemistry	45	28	12509	12518	3.591	10.1039/d1nj01652k
726	Seenan S., Manickam S., Kulathu Iyer S.	Fluorescent chemosensors for Hg <sup>2+</sup> ions based on a pyridine-attached phenanthridine probe	New Journal of Chemistry	45	37	17667	17673	3.591	10.1039/d1nj03561d
727	Muthukuru P., P. K., Rayadurgam J., Rajasekhara Reddy S.	Naturally derived sugar-based ionic liquids: An emerging tool for sustainable organic synthesis and chiral recognition	New Journal of Chemistry	45	43	20075	20090	3.591	10.1039/d1nj03914h

728	Loganathan P., Pillai R.S., Jeevananthan V., David E., Palanisami N., Bhuvanesh N.S.P., Shanmugan S.	Assembly of discrete and oligomeric structures of organotin double-decker silsesquioxanes: Inherent stability studies	New Journal of Chemistry	45	43	20144	20154	3.591	10.1039/d1nj03128g
729	Palani P., Karpagam S.	Conjugated polymers-a versatile platform for various photophysical, electrochemical and biomedical applications: A comprehensive review	New Journal of Chemistry	45	41	19182	19209	3.591	10.1039/d1nj04062f
730	Babu L.T., Paira P.	9-Arylacenaphtho[1,2-B] quinoxalines via Suzuki coupling reaction as cancer therapeutic and cellular imaging agents	New Journal of Chemistry	45	43	20447	20458	3.591	10.1039/d1nj03915f
731	Khan A., Sahu N.K.	Hydrazone conjugated and DOX loaded PEGylated-Fe <sub>3</sub> O <sub>4</sub> mesoporous magnetic nanoclusters (MNCs): Hyperthermia and: In vitro chemotherapy	New Journal of Chemistry	45	46	21646	21656	3.591	10.1039/d1nj03968g
732	Senthilnathan K., Annapoorani I.	Modified dual output single phase current source back end converter with resilient cyber infrastructure	International Journal of Electrical Power and Energy Systems	124				3.588	10.1016/j.ijepes.2020.106345

733	Devan P.A.M., Hussin F.A., Ibrahim R., Bingi K., Khanday F.A.	A survey on the application of wireless for industrial process monitoring and control	Sensors	21	15			3.576	10.3390/s2115495 1
734	Ramalingam B., Mohan R.E., Balakrishnan S., Elangovan K., Gómez B.F., Pathmakumar T., Devarassu M., Rayaguru M.M., Baskar C.	Stetro-deep learning powered staircase cleaning and maintenance reconfigurable robot	Sensors	21	18			3.576	10.3390/s2118627 9
735	Jain S., Singhania U., Tripathy B., Nasr E.A., Aboudaif M.K., Kamrani A.K.	Deep learning-based transfer learning for classification of skin cancer	Sensors	21	23			3.576	10.3390/s212381 42
736	Nithya S., Dutta A.	Electrochemical sensing of trace level NH3: active electrode and electrolyte optimizations	Journal of Materials Science					3.553	10.1007/s10853- 020-05654-8
737	Shreyas Madhav A.V., Rajaraman R., Harini S., Kiliroor C.C.	Application of artificial intelligence to enhance collection of E-waste: A potential solution for household WEEE collection and segregation in India	Waste Management and Research					3.549	10.1177/0734242X 211052846

738	Lathabhavan R., Barami.A N., Kurikkal M.P.M.M., Manoj N.	Mental health concerns of small business entrepreneurs in India due to COVID-19 financial distress	Asian Journal of Psychiatry	64				3.543	10.1016/j.ajp.2021. 102774
739	Kanathezath A., Chembra V., Variyath S.K.P., Nair G.G.-L.	Identification of biomarkers and functional modules from genomic data in stage- wise breast cancer	Current Bioinformatics	16	5	722	733	3.543	10.2174/1574893 61599920092212 3104
740	Khaparde A., Lokesh Kumar S., Vijayalakshmi M.A., Tetala K.K.R.	A conjoint multi metal-ion iminodiacetic acid monolith microfluidic chip for structural-based protein pre-fractionation	Electrophoresis					3.535	10.1002/elps.20210 0288
741	Kumari M., Tetala K.K.R.	A review on recent advances in the enrichment of glycopeptides and glycoproteins by liquid chromatographic methods: 2016–Present	Electrophoresis	43	01-Feb	388	402	3.535	10.1002/elps.202 100172
742	Das S., Saha S.	A transit through the trapping and blocking of flexural-gravity wave: Impact of two- dimensional current and in-plane compression	Physics of Fluids	33	11			3.521	10.1063/5.0066115

743	Mohanta A., Pradhan A., Mallick M., Patra K.C.	Assessment of Shear Stress Distribution in Meandering Compound Channels with Differential Roughness Through Various Artificial Intelligence Approach	Water Resources Management					3.517	10.1007/s11269- 021-02966-5
744	Kannaiyan A., Varathalingarajah T., Natarajan S.	Analytical solutions for the incompressible laminar pipe flow rapidly subjected to the arbitrary change in the flow rate	Physics of Fluids	33	4			3.514	10.1063/5.0043519
745	Jayachandran B., Chanda K., Balamurali M.M.	Overview of Pathogenesis, Diagnostics, and Therapeutics of Infectious Diseases: Dengue and Zika	ACS Omega	6	35	22487	22496	3.512	10.1021/acsomega. 1c03536
746	Kshirsagar R.R., Gadekar P.K., Khedkar V.M., Vijayakumar V.	Design, Synthesis, and the Effects of (E)-9- Oxooctadec-10-en-12- ynoic Acid Analogues to Promote Glucose Uptake	ACS Omega	6	37	24118	24127	3.512	10.1021/acsomeg a.1c03600
747	Kopilakkal R., Chanda K., Balamurali M.M.	Hepatoprotective and Antioxidant Capacity of Clerodendrum paniculatum Flower Extracts against Carbon Tetrachloride-Induced Hepatotoxicity in Rats	ACS Omega					3.512	10.1021/acsomeg a.1c03722



748	Madivalappa Davanagere P., Maiti B.	1,3-Bis(carboxymethyl)imidazolium Chloride as a Sustainable, Recyclable, and Metal-Free Ionic Catalyst for the Biginelli Multicomponent Reaction in Neat Condition	ACS Omega					3.512	10.1021/acsomega.1c02976
749	Lesharadevi K., Parthasarathi T., Muneer S.	Silicon biology in crops under abiotic stress: A paradigm shift and cross-talk between genomics and proteomics	Journal of Biotechnology	333		21	38	3.503	10.1016/j.jbiotec.2021.04.008
750	Balaji K., Lavanya K.	Machine learning algorithm for cluster analysis of mixed dataset based on instance-cluster closeness metric	Chemometrics and Intelligent Laboratory Systems	215				3.491	10.1016/j.chemolab.2021.104346
751	Balaji K., Lavanya K.	Cluster analysis of mixed data based on Feature Space Instance Cluster Closeness Metric	Chemometrics and Intelligent Laboratory Systems	215				3.491	10.1016/j.chemolab.2021.104370
752	Pandurangan R., Kaliannan P., Shanmugam P.	Effects of Current Distortion on DC Link Inductor and Capacitor Lifetime in Variable Frequency Drive Connected to Grid with Active Harmonic Filter	IEEE Transactions on Industry Applications	57	1	492	505	3.488	10.1109/TIA.2020.3028555

753	Mathew V.K., Hotta T.K.	Performance enhancement of high heat generating IC chips using paraffin wax based mini-channels - A combined experimental and numerical approach	International Journal of Thermal Sciences	164					3.476	10.1016/j.ijthermalsci.2021.106865
754	Sharon J.O., Rajalaxmi T.M., Klavžar S., Rajan R.S., Rajasingh I.	Transmission in H-naphthalenic nanosheet	Applied Mathematics and Computation	406					3.472	10.1016/j.amc.2021.126285
755	Manasa R.L., Mehta A.	Current perspectives of anoxic ammonia removal and blending of partial nitrifying and denitrifying bacteria for ammonia reduction in wastewater treatment	Journal of Water Process Engineering	41					3.465	10.1016/j.jwpe.2021.102085
756	Shekhar S.K., Jose T.P.	COVID-19 and second wave: can India become self-sufficient in vaccines?	Human Vaccines and Immunotherapeutics						3.452	10.1080/21645515.2021.1964890
757	Dineshkumar C., Sooppy Nisar K., Udhayakumar R., Vijayakumar V.	A discussion on approximate controllability of Sobolev-type Hilfer neutral fractional stochastic differential inclusions	Asian Journal of Control						3.452	10.1002/asjc.2650

758	Dineshkumar C., Nisar K.S., Udhayakumar R., Vijayakumar V.	New discussion about the approximate controllability of fractional stochastic differential inclusions with order $1 < r < 2$	Asian Journal of Control					3.452	10.1002/asjc.266 3
759	George J., Mani G., Alexander Stonier A.	An extensive critique of sliding mode control and adaptive neuro- fuzzy inference system for nonlinear system	Asian Journal of Control					3.452	10.1002/asjc.267 0
760	Emerson I.A., Chitluri K.K.	DCMP: Database of cancer mutant protein domains	Database	2021	2021			3.451	10.1093/database /baab066
761	Ravichandran M., Gupta A.K., Mohan K., Lakshumanan C.	Indian monsoon wind variability since ~11 kyr in the northwestern and northeastern Arabian Sea	Journal of Asian Earth Sciences	218				3.449	10.1016/j.jseaes.20 21.104882
762	Rawal R., Kharangarh P.R., Dawra S., Bhardwaj P.	Synthesis, characterization and immobilization of bilirubin oxidase nanoparticles (BOxNPs) with enhanced activity: Application for serum bilirubin determination in jaundice patients	Enzyme and Microbial Technology	143				3.448	10.1016/j.enzmict c.2020.109716

763	Jacob A., Ashok B.	Potential of amyl alcohol mixtures derived from Scenedesmus quadricauda microalgae biomass as third generation bioenergy for compression ignition engine applications using multivariate-desirability analysis	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					3.447	10.1080/15567036.2021.1950872
764	Chhabra M., Saini B.S., Dwivedi G.	Impact assessment of biofuel from waste neem oil	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	43	24	3381	3392	3.447	10.1080/15567036.2019.1623946
765	Kumar Chidambaram R., Sonthalia A., Poornananadan G., Varuvel E.G., Subramanian T.	Optimization of compression ratio and injection timing of a diesel engine Fueled with oxygenated blends using fuzzy logic-based Taguchi method	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					3.447	10.1080/15567036.2020.1871123
766	Choudhari M.S., Chaurasiya P.K., Thakur M., Paswan M., Sharma V.K.	Performance investigation of the hydrogen-based energy storage system employing high-pressure metal hydride pair	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					3.447	10.1080/15567036.2021.2000070

767	Ramana M.V., Saboor S.	A novel glazing system filled with hydrogel granules: energy saving, diurnal illumination, color rendering, and co2 emission mitigation prospective	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					3.447	10.1080/15567036.2021.1994058
768	Sridharan N.V., Sugumaran V.	Visual fault detection in photovoltaic modules using decision tree algorithms with deep learning features	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					3.447	10.1080/15567036.2021.2020379
769	Sarkar P., Jayaraj P., Patwardhan K., Yeole S., Das S., Somaiya Y., Desikan R., Thirumurugan K.	In Silico Analysis to Link Insulin Resistance, Obesity and Ageing with Alzheimer's Disease	Journal of Molecular Neuroscience					3.444	10.1007/s12031-021-01875-x
770	Miryala S.K., Anbarasu A., Ramaiah S.	Gene interaction network to unravel the role of gut bacterial species in cardiovascular diseases: E. coli O157:H7 host-bacterial interaction study	Computers in Biology and Medicine	133				3.434	10.1016/j.compbio med.2021.104417
771	Muhammad I., Rahman N., Gul-E-Nayab, Niaz S., Basharat Z., Rastrelli L., Jayanthi S., Efferth T., Khan H.	Screening of potent phytochemical inhibitors against SARS-CoV-2 protease and its two Asian mutants	Computers in Biology and Medicine	133				3.434	10.1016/j.compbio med.2021.104362

772	Chakrapani H.B., Chourasia S., Gupta S., Kumar D T., Doss C G.P., Halder R.	Effective utilisation of influence maximization technique for the identification of significant nodes in breast cancer gene networks	Computers in Biology and Medicine	133					3.434	10.1016/j.compbio med.2021.104378
773	Babu C., Ponnambalam P.	Economic analysis of hybrid Photovoltaic Thermal Configurations: A comparative study	Sustainable Energy Technologies and Assessments	43					3.427	10.1016/j.seta.202 0.100932
774	Alazab M., Lakshmana K., G T.R., Pham Q.-V., Reddy Maddikunta P.K.	Multi-objective cluster head selection using fitness averaged rider optimization algorithm for IoT networks in smart cities	Sustainable Energy Technologies and Assessments	43					3.427	10.1016/j.seta.202 0.100973
775	Muthiah- Nakarajan V., Cherukuri S.H.C., Saravanan B., Palanisamy K.	Residential energy management strategy considering the usage of storage facilities and electric vehicles	Sustainable Energy Technologies and Assessments	45					3.427	10.1016/j.seta.202 1.101167
776	Gopalan V., Suthenthiraveerap pa V., Annamalai A.R., Manivannan S., Pragasam V., Chinnaiyan P., Mannayee G., Jen C.-P.	Dynamic characteristics of woven flax/epoxy laminated composite plate	Polymers	13	2	1	14		3.426	10.3390/polym130 20209

777	Gopalan V., Suthenthiraveerap pa V., David J.S., Subramanian J., Raja Annamalai A., Jen C.-P.	Experimental and numerical analyses on the buckling characteristics of woven flax/epoxy laminated composite plate under axial compression	Polymers	13	7			3.426	10.3390/polym130 70995
778	Raza A., Rashedi A., Rafique U., Hossain N., Akinyemi B., Naveen J.	On the structural performance of recycled aggregate concrete columns with glass fiber-reinforced composite bars and hoops	Polymers	13	9			3.426	10.3390/polym130 91508
779	Baskar A., Xavior M.A.	New idle time-based tie- breaking rules in heuristics for the permutation flowshop scheduling problems	Computers and Operations Research	133				3.424	10.1016/j.cor.2021. 105348
780	Thirumalai M., Maheswari M.A.	Mesoporous silica monolith based colorimetric probes for Co <sup>2+</sup> ions	Materials Letters	300				3.423	10.1016/j.matlet.20 21.130142
781	Elayaperumal E., Murugesan G., Malathi M.	Observation of magnetoelectric effect in CuO-doped SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> ceramics	Materials Letters	300				3.423	10.1016/j.matlet.20 21.130048
782	Praharaj S., Venkatraman S.K., Vasantharaman R., Swamiappan S.	Sol-gel combustion synthesis of merwinite and its biomedical applications	Materials Letters	300				3.423	10.1016/j.matlet.20 21.130108

783	Bala Subramanian M., Resmi K.S., Nair P., Manikandan E., Bathe R.N.	Formation of waveguides in crystalline organic N-benzyl-2-methyl-4-nitroaniline thin films using femtosecond laser ablation process	Materials Letters	301					3.423	10.1016/j.matlet.2021.130220
784	Yadav P.V.K., Ajitha B., Annapureddy V., Reddy Y.A.K., Sreedhar A.	Improved UV photodetector performance of NiO films by substitutional incorporation of Li	Materials Letters	301					3.423	10.1016/j.matlet.2021.130296
785	Collin M.S., Sasikumar S.	Effect of fuel on biomineralization of merwinite	Materials Letters	304					3.423	10.1016/j.matlet.2021.130660
786	Arul Xavier Stango S., Vijayalakshmi U.	Electrochemical deposition of HAP/f-MWCNTs and HAP/GO composite layers on 316L SS implant with excellent corrosion resistance performance	Materials Letters	304					3.423	10.1016/j.matlet.2021.130666
787	Singh S., Jinoop A.N., Palani I.A., Paul C.P., Tomar K.P., Prashanth K.G.	Microstructure and mechanical properties of NiTi-SS bimetallic structures built using Wire Arc Additive Manufacturing	Materials Letters	303					3.423	10.1016/j.matlet.2021.130499
788	Chetan, Vijayalakshmi U.	Evaluating the induction of antibacterial properties upon zinc incorporation in strontium phosphosilicate for bone regeneration applications	Materials Letters						3.423	10.1016/j.matlet.2021.131303



789	Joseph S., Venkatraman S.K., Vijayakumar N., Collin M.S., Swamiappan S.	Investigation on the compatibility of forsterite for tissue engineering application	Materials Letters					3.423	10.1016/j.matlet.2021.131188
790	Vijayakumar N., Swamiappan S.	Influence of fuels on monticellite synthesis via combustion method	Materials Letters					3.423	10.1016/j.matlet.2021.131183
791	Sandeep R., Natarajan A.	Prediction of peak temperature value in friction lap welding of aluminium alloy 7475 and PPS polymer hybrid joint using machine learning approaches	Materials Letters					3.423	10.1016/j.matlet.2021.131253
792	Jothi D., Munusamy S., Kulathu Iyer S.	A Highly Selective and Sensitive Colorimetric Chemosensor for the Detection of Hydrogen Sulfide: A Real-time Application in Multiple platforms	Photochemistry and Photobiology					3.421	10.1111/php.13506
793	Krishnan U., Iyer S.K.	A Pyrazolo Imine-based Colorimetric and Turn-on Fluorescent Sensor Probe for Determination of Hg <sup>2+</sup> Ion and its Application in Test Paper Strips	Photochemistry and Photobiology					3.421	10.1111/php.13538

794	Choudhary S.K., Kumar V., Singhal R.K., Bose B., Chauhan J., Alamri S., Siddiqui M.H., Javed T., Shabbir R., Rajendran K., Iqbal M.A., Elmetwaly Z.E.A., Sorour S., Sabagh A.E.L.	Seed priming with Mg(NO <sub>3</sub> ) <sub>2</sub> and ZnSO <sub>4</sub> salts triggers the germination and growth attributes synergistically in wheat varieties	Agronomy	11	11			3.417	10.3390/agronomy 11112110
795	Hu Q., Zhang R., Zhang H., Yang D., Liu S., Song Z., Gu Y., Ramalingam M.	Topological Structure Design and Fabrication of Biocompatible PLA/TPU/ADM Mesh with Appropriate Elasticity for Hernia Repair	Macromolecular Bioscience					3.416	10.1002/mabi.2020 00423
796	Subramaniam U., Subashini M.M., Almahles D., Karthick A., Manoharan S.	An Expert System for COVID-19 Infection Tracking in Lungs Using Image Processing and Deep Learning Techniques	BioMed Research International	2021				3.411	10.1155/2021/189 6762
797	Mukherjee S., Sudandiradoss C.	Transcriptomic analysis of castration, chemo- resistant and metastatic prostate cancer elucidates complex genetic crosstalk leading to disease progression	Functional and Integrative Genomics	21	03-Apr	451	472	3.41	10.1007/s10142- 021-00789-6

798	Pavithra C., Madhuri W., Roopas Kiran S.	Effects of synthesis and sintering temperature in BCT-BST ceramics	Materials Chemistry and Physics	258				3.408	10.1016/j.matchemphys.2020.123921
799	Varunkumar K., Sellappan R.	Photoelectrochemical behaviour of CuBi <sub>2</sub> O <sub>4</sub> @MoS <sub>2</sub> photocathode for solar water splitting	Materials Chemistry and Physics	261				3.408	10.1016/j.matchemphys.2021.124245
800	Ravi Kanth A.S.V., Aruna K., Raghavendar K., Rezazadeh H., Inc M.	Numerical solutions of nonlinear time fractional Klein-Gordon equation via natural transform decomposition method and iterative Shehu transform method	Journal of Ocean Engineering and Science					3.408	10.1016/j.joes.2021.12.002
801	Sathiyathan P., Wu L., Schmidt T.W., Li T., Bhuvaneshwari G.H., Kim H., Arun A.P., Kim K.J.	Piezoelectric-piezocapacitive hybrid sensor based on electrospun Poly(vinylidene fluoride)-Poly(octafluoropentyl acrylate)-sulphonated Poly(phenylene sulfide) blend nanofiber	Sensors and Actuators, A: Physical	331				3.407	10.1016/j.sna.2021.112993
802	Andrewwinner R., Chandrasekaran S.S.	Investigation on the failure mechanism of rainfall-induced long-runout landslide at upputhode, kerala state of india	Land	10	11			3.395	10.3390/land10111212

803	Sriroopreddy R., Raghuraman P., Sreeshma J., Kamalesh D., Sudandiradoss C.	Exploring the structural significance of molecular switch mechanism alias motif phosphorylation in Wnt/ $\beta$ -catenin and their crucial role in triple-negative breast cancer	Archives of Biochemistry and Biophysics	698					3.391	10.1016/j.abb.2020.108722
804	Rajendran S., Zichri S.B., Usha Vipinachandran V., Jelinek R., Bhunia S.K.	Triphenylphosphonium-Derived Bright Green Fluorescent Carbon Dots for Mitochondrial Targeting and Rapid Selective Detection of Tetracycline	ChemNanoMat						3.384	10.1002/cnma.202100125
805	Vijay A., Thamizharasan G., Eithiraj R.D.	First-principle study of structural and electronic properties of V2Se	Materials Today Communications	28					3.383	10.1016/j.mtcomm.2021.102523
806	Safarulla S., Khillar P.S., Kini S., Jaiswal A.K.	Tissue engineered scaffolds as 3D models for prostate cancer metastasis to bone	Materials Today Communications	28					3.383	10.1016/j.mtcomm.2021.102641
807	Chintalapudi K., Pannem R.M.R.	Enhanced Strength, Microstructure, and Thermal properties of Portland Pozzolana Fly ash-based cement composites by reinforcing Graphene Oxide nanosheets	Journal of Building Engineering	42					3.379	10.1016/j.jobbe.2021.102521

808	Rajasekhar S., Karuppasamy R., Chanda K.	Exploration of potential inhibitors for tuberculosis via structure-based drug design, molecular docking, and molecular dynamics simulation studies	Journal of Computational Chemistry					3.376	10.1002/jcc.26712
809	Muralikumar K., Ponnambalam P.	Comparison of Fuzzy and ANFIS Controllers for Asymmetrical 31-Level Cascaded Inverter with Super Imposed Carrier PWM Technique	IEEE Access					3.367	10.1109/ACCESS.2021.3086674
810	Subramanian G., Thampy A.S.	Implementation of Hybrid Blockchain in a Pre-owned Electric Vehicle Supply Chain	IEEE Access					3.367	10.1109/ACCESS.2021.3084942
811	Sanjeevikumar P., Dhanamjayulu C., Khan B.	Artificial Neural Network and Newton Raphson (ANN-NR) algorithm based Selective Harmonic Elimination in Cascaded Multilevel Inverter for PV Applications	IEEE Access					3.367	10.1109/ACCESS.2021.3081460
812	Gaffar A., Joshi A.B., Singh S., Mishra V.N., Rosales H.G., Zhou L., Dhaka A., Mishra L.N.	A Technique for Securing Multiple Digital Images Based on 2D Linear Congruential Generator, Silver Ratio, and Galois Field	IEEE Access	9		96125	96150	3.367	10.1109/ACCESS.2021.3094129

813	Nalajam P.K., Varadarajan R.	A Hybrid Deep Learning Model for Layer-Wise Melt Pool Temperature Forecasting in Wire-Arc Additive Manufacturing Process	IEEE Access	9				3.367	10.1109/ACCESS.2021.3097177
814	Stonier A.A., Murugesan S., Samikannu R., Krishnamoorthy V., Subburaj S.K., Chinnaraj G., Mani G.	Fuzzy Logic Control for Solar PV Fed Modular Multilevel Inverter towards Marine Water Pumping Applications	IEEE Access	9		88524	88534	3.367	10.1109/ACCESS.2021.3090254
815	Singh A., Das A., Bera U.K., Lee G.M.	Prediction of Transportation Costs Using Trapezoidal Neutrosophic Fuzzy Analytic Hierarchy Process and Artificial Neural Networks	IEEE Access	9		103497	103512	3.367	10.1109/ACCESS.2021.3098657
816	Ahmed W., Rasool A., Javed A.R., Kumar N., Gadekallu T.R., Jalil Z., Kryvinska N.	Security in Next Generation Mobile Payment Systems: A Comprehensive Survey	IEEE Access					3.367	10.1109/ACCESS.2021.3105450
817	Sun Q., Huang X., Kibalya G., Kumar N., Kumar S.V.N.S., Zhang P., Xie D.	Security Enhanced Sentence Similarity Computing Model Based on Convolutional Neural Network	IEEE Access	9		104183	104196	3.367	10.1109/ACCESS.2021.3099489

818	Suseela G., Phamila Y.A.V., Niranjana G., Ramana K., Singh S., Yoon B.	Low energy interleaved chaotic secure image coding scheme for visual sensor networks using pascal's triangle transform	IEEE Access	9		134576	134592	3.367	10.1109/ACCESS .2021.3116111
819	Raj Nadimuthu L.P., Victor K., Basha C.H., Mariprasath T., Dhanamjayulu C., Padmanaban S., Khan B.	Energy Conservation Approach for Continuous Power Quality Improvement: A Case Study	IEEE Access	9		146959	146969	3.367	10.1109/ACCESS.20 21.3123153
820	Venugopal P., Shankar S.S., Jebakumar C.P., Agarwal R., Alhelou H.H., Reka S.S., Golshan M.E.H.	Analysis of Optimal Machine Learning Approach for Battery Life Estimation of Li-Ion Cell	IEEE Access	9		159616	159626	3.367	10.1109/ACCESS .2021.3130994
821	Moradzadeh A., Mohammadi- Ivatloo B., Abapour M., Anvari- Moghaddam A., Roy S.S.	Heating and Cooling Loads Forecasting for Residential Buildings Based on Hybrid Machine Learning Applications: A Comprehensive Review and Comparative Analysis	IEEE Access					3.367	10.1109/ACCESS .2021.3136091

822	Subramanian G., Sreekantan Thampy A.	Implementation of Blockchain Consortium to Prioritize Diabetes Patients' Healthcare in Pandemic Situations	IEEE Access	9		162459	162475	3.367	10.1109/ACCESS .2021.3132302
823	Rajshekar K., Kannadassan D.	P-Type Cu <sub>2</sub> O Thin Film Transistors for Active Matrix Displays: Physical Modeling and Numerical Simulation	IEEE Access	9		158842	158851	3.367	10.1109/ACCESS .2021.3130999
824	Saravanakumar R., Krishnaraj N., Venkatraman S., Sivakumar B., Prasanna S., Shankar K.	Hierarchical symbolic analysis and particle swarm optimization based fault diagnosis model for rotating machineries with deep neural networks	Measurement: Journal of the International Measurement Confederation	171				3.364	10.1016/j.measure ment.2020.108771
825	Sathiyamoorthi V., Ilavarasi A.K., Murugeswari K., Thouheed Ahmed S., Aruna Devi B., Kalipindi M.	A deep convolutional neural network based computer aided diagnosis system for the prediction of Alzheimer's disease in MRI images	Measurement: Journal of the International Measurement Confederation	171				3.364	10.1016/j.measure ment.2020.108838
826	Rajendran S., Jayagopal P.	Accessing Covid19 epidemic outbreak in Tamilnadu and the impact of lockdown through epidemiological models and dynamic systems	Measurement: Journal of the International Measurement Confederation	169				3.364	10.1016/j.measure ment.2020.108432



827	Das S., Chanda K.	An overview of metal-free synthetic routes to isoxazoles: The privileged scaffold	RSC Advances	11	52	32680	32705	3.361	10.1039/d1ra04624a
828	Mathpal D., Masand M., Thomas A., Ahmad I., Saeed M., Zaman G.S., Kamal M., Jawaid T., Sharma P.K., Gupta M.M., Kumar S., Srivastava S.P., Balaramnavar V.M.	Pharmacophore modeling, docking and the integrated use of a ligand- And structure-based virtual screening approach for novel DNA gyrase inhibitors: Synthetic and biological evaluation studies	RSC Advances	11	55	34462	34478	3.361	10.1039/d1ra05630a
829	John P., Johari K., Gnanasundaram N., Appusamy A., Thanabalan M.	Enhanced photocatalytic performance of visible light driven TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> for degradation of diclofenac in aqueous solution	Environmental Technology and Innovation	22				3.356	10.1016/j.eti.2021.101412
830	Saranya D., Shanthakumar S.	Insights into the influence of CO <sub>2</sub> supplement on phycoremediation and lipid accumulation potential of microalgae: An exploration for biodiesel production	Environmental Technology and Innovation	23				3.356	10.1016/j.eti.2021.101596

831	Kuraganti V., Siva P., Bar-Ziv R., Bar Sadan M.	Incorporating Nb into MoSe <sub>2</sub> Nanoflowers for Overall Electrocatalytic Water Splitting	Israel Journal of Chemistry					3.333	10.1002/ijch.2021 00055
832	Nagarajan B.M., Manoharan M.	Assessment of dissimilar joining between metal and polymer hybrid structure with different joining processes	Journal of Thermoplastic Composite Materials					3.330	10.1177/0892705 7211048534
833	Arul Prakash S., Kamlekar R.K.	Function and therapeutic potential of N-acyl amino acids	Chemistry and Physics of Lipids	239				3.329	10.1016/j.chemphy slip.2021.105114
834	Gugulothu K., Ramulu Meesa S., Kumar Utkoor U., Rajasekhara Reddy S., Shiva Kumar K.	Pd/C and TFA-promoted One-pot, Two-step Cascade Reaction: An Effective Synthesis of Oxepines	Asian Journal of Organic Chemistry	10	11	3045	3049	3.319	10.1002/ajoc.2021 00449
835	Rani B., Nayak A.K., Sahu N.K.	Electrochemical supercapacitor application of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles decorated over graphitic carbon nitride	Diamond and Related Materials					3.315	10.1016/j.diamond. 2021.108671
836	Kalaiselvi C., Chandar N.K.	Graphene decorated long single crystalline Mn <sub>2</sub> O <sub>3</sub> nanorods: Facile Synthesis and visible light photocatalyst	Diamond and Related Materials					3.315	10.1016/j.diamond. 2021.108703

837	Yadav P.V.K., Ajitha B., Kumar Reddy Y.A., Minnam Reddy V.R.	Enhanced Performance of WO <sub>3</sub> Photodetectors through Hybrid Graphene- Layer Integration	ACS Applied Electronic Materials					3.314	10.1021/acsaelm.1 c00073
838	Rezapour S., Henríquez H.R., Vijayakumar V., Nisar K.S., Shukla A.	A note on existence of mild solutions for second-order neutral integro-differential evolution equations with state-dependent delay	Fractal and Fractional	5	3			3.313	10.3390/fractalfra ct5030126
839	Gowrisankar A., Golmankhaneh A.K., Serpa C.	Fractal calculus on fractal interpolation functions	Fractal and Fractional	5	4			3.313	10.3390/fractalfra ct5040157
840	Kapoor L., Ramamoorthy S.	Strategies to meet the global demand for natural food colorant bixin: A multidisciplinary approach	Journal of Biotechnology	338		40	51	3.307	10.1016/j.jbiotec.2 021.07.007
841	Shariq M., Singh K., Maurya P.K., Ahmadian A., Ariffin M.R.K.	URASP: An ultralightweight RFID authentication scheme using permutation operation	Peer-to-Peer Networking and Applications					3.307	10.1007/s12083- 021-01192-5
842	Evangeline C.S., Kumaravelu V.B.	A two-phase fuzzy based access network selection scheme for vehicular ad hoc networks	Peer-to-Peer Networking and Applications					3.307	10.1007/s12083- 021-01228-w

843	Divagar M., Gayathri R., Rasool R., Kuzhandai Shamlee J., Bhatia H., Satija J., Sai V.V.R.	Plasmonic Fiberoptic Absorbance Biosensor (P- FAB) for Rapid Detection of SARS-CoV-2 Nucleocapsid Protein	IEEE Sensors Journal					3.301	10.1109/JSEN.2021. 3107736
844	Bhuse D.V., Bhagat P.R.	Synthesis and characterization of a conjugated porphyrin dyad entangled with carboxyl functionalized benzimidazolium: An efficient metal free sensitizer for DSSCs	New Journal of Chemistry	45	3	1430	1445	3.288	10.1039/d0nj05387 b
845	Rao R.N., Chanda K.	An expeditious microwave assisted one-pot sequential route to pyrido fused imidazo[4,5-c] quinolines in green media	New Journal of Chemistry	45	6	3280	3289	3.288	10.1039/d0nj05835 a
846	Sawminathan S., Iyer S.K.	A new imidazole based phenanthridine probe for ratiometric fluorescence monitoring of methanol in biodiesel	New Journal of Chemistry	45	13	6033	6041	3.288	10.1039/d0nj06252 a
847	Chakraborty D., Naik S., Kumar S., Chandrasekaran N., Mukherjee A.	Exploring the interactions between protein coronated CdSe quantum dots and nanoplastics	New Journal of Chemistry	45	18	7951	7958	3.288	10.1039/d1nj00441 g

848	Grace Victoria G., Rajasekhara Reddy S.	Recent advances in the synthesis of organic chloramines and their insights into health care	New Journal of Chemistry	45	19	8386	8408	3.288	10.1039/d1nj01086 g
849	Thangamani G.J., Deshmukh K., Nambiraj N.A., Pasha S.K.K.	Chemiresistive gas sensors based on vanadium pentoxide reinforced polyvinyl alcohol/polypyrrole blend nanocomposites for room temperature LPG sensing	Synthetic Metals	273				3.286	10.1016/j.synthmet .2020.116687
850	Nasiri S., Thiyagarajan M.D., Balijapalli U., Mahmoudi M., Volyniuk D., Simokaitiene J., Pathak M., Iyer S.K., Grazulevicius J.V.	Electroluminescence of iridium(III) complexes containing F or CF3 substituents	Synthetic Metals	273				3.286	10.1016/j.synthmet .2020.116673
851	Bihari A., Tripathi S., Deepak A.	A review on h-index and its alternative indices	Journal of Information Science					3.282	10.1177/01655515 211014478
852	Maiti S., Khillar P.S., Mishra D., Nambiraj N.A., Jaiswal A.K.	Physical and self-crosslinking mechanism and characterization of chitosan-gelatin-oxidized guar gum hydrogel	Polymer Testing	97				3.275	10.1016/j.polymert esting.2021.107155

853	Kadosh Y., Muthuraman S., Yaniv K., Baruch Y., Gopas J., Kushmaro A., Kumar R.S.	Quorum sensing and nf-kb inhibition of synthetic coumaperine derivatives from piper nigrum	Molecules	26	8			3.267	10.3390/molecules 26082293
854	Waidha K., Anto N.P., Jayaram D.R., Golan-Goldhirsh A., Rajendran S., Livneh E., Gopas J.	6,6'- dihydroxythiobinupharidin e (Dtbn) purified from nuphar lutea leaves is an inhibitor of protein kinase c catalytic activity	Molecules	26	9			3.267	10.3390/molecules 26092785
855	Selvamani P.S., Vijaya J.J., Kennedy L.J., Saravanakumar B., Bououdina M., Rajabathar J.R.	Design of copper (II) oxide nanoflakes decorated with molybdenum disulfide@reduced graphene oxide composite as an electrode for high performance supercapacitor	Synthetic Metals	278				3.266	10.1016/j.synthmet .2021.116843
856	Dhar R., Ramakrishna J., Nawani V., Manda P.K., Gupta D., Venkatakrisnan P., Dutta S.	Solution-processable small molecule based all- organic ultraviolet photodetector	Synthetic Metals	280				3.266	10.1016/j.synthmet .2021.116883

857	Devulapalli L., Kothandaraman S., Sarang G.	Fracture Characterization of Stone Matrix Asphalt Mixtures Incorporating Reclaimed Asphalt Pavement and Rejuvenator	Journal of Materials in Civil Engineering	33	11			3.266	10.1061/(ASCE)MT.1943-5533.0003945
858	Rajiv S., Navaneethan C.	Keyword weight optimization using gradient strategies in event focused web crawling	Pattern Recognition Letters	142		3	10	3.255	10.1016/j.patrec.2020.12.003
859	Geetha S., Subburam S., Selvakumar S., Kadry S., Damasevicius R.	Steganogram removal using multidirectional diffusion in fourier domain while preserving perceptual image quality	Pattern Recognition Letters	147		197	205	3.255	10.1016/j.patrec.2021.04.026
860	Jenifer M.A., Jha M.K., Khatun A.	Assessing multi-criteria decision analysis models for predicting groundwater quality in a river basin of south india	Sustainability (Switzerland)	13	12			3.251	10.3390/su13126719
861	Punathumkandi S., Sundaram V.M., Panneer P.	Interoperable permissioned-blockchain with sustainable performance	Sustainability (Switzerland)	13	20			3.251	10.3390/su132011132
862	Ada N., Ethirajan M., Kumar A., Vimal K.E.K., Nadeem S.P., Kazancoglu Y., Kandasamy J.	Blockchain technology for enhancing traceability and efficiency in automobile supply chain—a case study	Sustainability (Switzerland)	13	24			3.251	10.3390/su132413667

863	Chakraborty S., Kumar N.M., Jayakumar A., Dash S.K., Elangovan D.	Selected aspects of sustainable mobility reveals implementable approaches and conceivable actions	Sustainability (Switzerland)	13	22			3.251	10.3390/su132212918
864	Mehra Y., Viswanathan P.	High-quality whole-genome sequence analysis of Lactobacillus paragasseri UBLG-36 reveals oxalate-degrading potential of the strain	PLoS ONE	16	11-Nov			3.240	10.1371/journal.pone.0260116
865	Jamshed W., Eid M.R., Aissa A., Mourad A., Nisar K.S., Shahzad F., Ahamed Saleel C., Vijayakumar V.	Partial velocity slip effect on working magneto non-Newtonian nanofluids flow in solar collectors subject to change viscosity and thermal conductivity with temperature	PLoS ONE	16	11-Nov			3.240	10.1371/journal.pone.0259881
866	Jayaraj R., Kumarasamy C., Gothandam K.M., Senthilnathan R., Shetty S.S.	Clinical comments on "Mental disorder prevalence among populations impacted by coronavirus pandemics: A multilevel meta-analytic study of COVID-19, MERS & SARS"	General Hospital Psychiatry	72			141	3.238	10.1016/j.genhosp psych.2021.06.001



867	Senthil K., Elangovan K., Senthil A., Vinita G.	Synthesis, growth, optical, mechanical, thermal, dielectric and third order nonlinear optical properties of cyclohexylamine derivative single crystals	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	247				3.232	10.1016/j.saa.2020. 119063
868	Harishkumar R., Christopher J.G., Ravindran R., Selvaraj C.I.	Nuciferine Attenuates Doxorubicin-Induced Cardiotoxicity: An In Vitro and In Vivo Study	Cardiovascular Toxicology					3.231	10.1007/s12012- 021-09689-4
869	Jenabi A., Mehdinavaz Aghdam R., Ebrahimi S.A.S., Ahmadi Tafti S.H., Krishnan S., Suresh K.S., Ramalingam M.	Oxygen Delivery Approaches to Augment Cell Survival After Myocardial Infarction: Progress and Challenges	Cardiovascular Toxicology					3.231	10.1007/s12012- 021-09696-5
870	Hussien A.A., Al- Kouz W., Hassan M.E., Janvekar A.A., Chamkha A.J.	A review of flow and heat transfer in cavities and their applications	European Physical Journal Plus	136	4			3.228	10.1140/epjp/s133 60-021-01320-3
871	Srivastav A.K., Ghosh M., Bandeekar S.R.	Modeling of COVID-19 with limited public health resources: a comparative study of three most affected countries	European Physical Journal Plus	136	4			3.228	10.1140/epjp/s133 60-021-01333-y

872	Rajak S., Vimal K.E.K., Arumugam S., Parthiban J., Sivaraman S.K., Kandasamy J., Duque A.A.	Multi-objective mixed-integer linear optimization model for sustainable closed-loop supply chain network: a case study on remanufacturing steering column	Environment, Development and Sustainability					3.219	10.1007/s10668-021-01713-5
873	Vimal K.E.K., Tseng M.-L., Raju S., Cherukuri M., Ashwithi A., Kandasamy J.	Circular function deployment: a novel mathematical model to identify design factors for circular economy	Environment, Development and Sustainability					3.219	10.1007/s10668-021-01813-2
874	Tang S., Ummethala R., Suryanarayana C., Eckert J., Prashanth K.G., Wang Z.	Additive Manufacturing of Aluminum-Based Metal Matrix Composites—A Review	Advanced Engineering Materials					3.217	10.1002/adem.202100053
875	Ranjan K.G., Prusty B.R., Jena D.	Review of preprocessing methods for univariate volatile time-series in power system applications	Electric Power Systems Research	191				3.211	10.1016/j.epsr.2020.106885
876	Meera P.S., Hemamalini S.	Integrated resource planning for a meshed distribution network under uncertainty	Electric Power Systems Research	195				3.211	10.1016/j.epsr.2021.107127

877	Paulraj Gundupalli M., Sahithi S T A., Cheng Y.-S., Tantayotai P., Sriariyanun M.	Differential effects of inorganic salts on cellulase kinetics in enzymatic saccharification of cellulose and lignocellulosic biomass	Bioprocess and Biosystems Engineering	44	11	2331	2344	3.210	10.1007/s00449-021-02607-6
878	Rathinam P., Murari B.M., Viswanathan P.	Biofilm inhibition and antifouling evaluation of sol-gel coated silicone implants with prolonged release of eugenol against Pseudomonas aeruginosa	Biofouling					3.209	10.1080/08927014.2021.1933960
879	Pavan Kumar M.R., Jayagopal P.	Multi-class imbalanced image classification using conditioned GANs	International Journal of Multimedia Information Retrieval	10	3	143	153	3.205	10.1007/s13735-021-00213-6
880	Amirthakumar C., Zahid I.M., Vinitha G., Seetharaman V., Ramnathan A., Mohan Kumar R.	Reply to Comments on "Studies on the third order nonlinear optical properties of a novel o-Phenylenediaminium p-Toluenesulfonate single crystal"	Materials Letters	282				3.204	10.1016/j.matlet.2020.128623
881	Prashantha Kumar H.G., Anthony Xavior M., Simon Lobo L.	Property evaluation of hot extruded aluminum alloy – Graphene nanocomposites	Materials Letters	282				3.204	10.1016/j.matlet.2020.128688

882	Stephen Selvamani P., Judith Vijaya J., John Kennedy L., Saravanakumar B., Bououdina M.	Microwave synthesized $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> /MoS <sub>2</sub> /rGO composites as high-performance supercapacitor	Materials Letters	293					3.204	10.1016/j.matlet.2021.129721
883	Thulasiram R., Mani S., Ramaswamy N., Murugesan M.	Grain size refinement, texture analysis and effect on the tensile properties of a novel Inconel 718	Materials Letters	292					3.204	10.1016/j.matlet.2021.129633
884	Thulasiram R., Mani S., Ramaswamy N., Murugesan M.	Wetting phase transition of grain boundaries and material performance of novel Inconel 718	Materials Letters	295					3.204	10.1016/j.matlet.2021.129858
885	Karthik A., Karunanithi R., Srinivasan S.A., Kumaresh Babu S.P., Narayanan R.	Beneficial effect of CeO <sub>2</sub> on the corrosion behaviour of AA2219 squeeze cast composites – An experimental investigation	Materials Letters	297					3.204	10.1016/j.matlet.2021.129937
886	Ramki C., Ezhil Vizhi R.	Reply to “Comment on the paper “Synthesis and characterization of inorganic nonlinear optical material: Potassium sodium hydroxide borate hydrate (KSB) single crystal”	Materials Letters	296					3.204	10.1016/j.matlet.2021.129868

887	Karthik V., Poornima S., Vigneshwaran A., Raj D.P.R.D.D., Subbaiya R., Manikandan S., Saravanan M.	Nanoarchitectonics is an emerging drug/gene delivery and targeting strategy -a critical review	Journal of Molecular Structure	1243				3.196	10.1016/j.molstruc.2021.130844
888	Rajeshkumar S., Nandhini N.T., Manjunath K., Sivaperumal P., Krishna Prasad G., Alotaibi S.S., Roopan S.M.	Environment friendly synthesis copper oxide nanoparticles and its antioxidant, antibacterial activities using Seaweed (Sargassum longifolium) extract	Journal of Molecular Structure	1242				3.196	10.1016/j.molstruc.2021.130724
889	Dhanalakshmi M., Balakrishnan C., Ahamed S.R., Vinitha G., Parthiban S.	Self-assembled organic-inorganic hybrids: Synthesis, structural, third-order nonlinear optical properties and Hirshfeld surface analysis of bis(1,2,3,4-tetrahydroisoquinolin-2-ium) hexahalostannate(IV)	Journal of Molecular Structure	1245				3.196	10.1016/j.molstruc.2021.131092
890	Dhanalakshmi M., Balakrishnan C., Rafi Ahamed S., Vinitha G., Parthiban S.	Synthesis, structural characterization, Hirshfeld surface analysis and third-order nonlinear optical properties of Schiff bases derived from 1,1-diphenylmethanamine	Journal of Molecular Structure					3.196	10.1016/j.molstruc.2021.131942

891	Bhansali K.J., Bhagat P.R.	Production of Furfural-Diethyl-Acetal as Biofuel Additives for Gasoline by Metal Free Porphyrin Photocatalyst Under Visible Light	Catalysis Letters					3.186	10.1007/s10562-021-03809-z
892	Ashok B., Jeevanantham A.K., Prabhu K., Shirude P.M., Shinde D.D., Nadgauda N.S., Karthick C.	Multi-Objective Optimization on Vibration and Noise Characteristics of Light Duty Biofuel Powered Engine at Idling Condition Using Response Surface Methodology	Journal of Energy Resources Technology, Transactions of the ASME	143	4			3.183	10.1115/1.4047974
893	Sumithra P., Kannadassan D.	Bandwidth enhancement of low-profile slot antennas using theory of characteristic modes	AEU - International Journal of Electronics and Communications	138				3.183	10.1016/j.aeue.2021.153868
894	Shaw M., Choukiker Y.K.	Analysis of frequency reconfigurable microstrip patch antenna with unidirectional radiation pattern for IRNSS band	AEU - International Journal of Electronics and Communications	141				3.183	10.1016/j.aeue.2021.153962
895	Muthuvel S.K., Shaw M., Choukiker Y.K.	Concentric circular compound reconfigurable microstrip patch antenna for wireless applications	AEU - International Journal of Electronics and Communications	141				3.183	10.1016/j.aeue.2021.153960

896	Jena P., Azad S.	A novel method to detect drought and flood years in Indian rainfall associated with weak and strong monsoon	Theoretical and Applied Climatology	145	02-Jan	747	761	3.179	10.1007/s00704-021-03652-7
897	Hu Q., Tang H., Yao Y., Liu S., Zhang H., Ramalingam M.	Rapid fabrication of gelatin-based scaffolds with prevascularized channels for organ regeneration	Biomedical Materials (Bristol)	16	4			3.174	10.1088/1748-605X/abef7b
898	Imran M., Pal S., Upadhyay Kahaly M., Rahaman A.	Radially grown carbon nanomaterials on hollow glass microspheres and their application in composite foams with excellent electromagnetic interference shielding	Polymer Composites	42	8	3786	3798	3.171	10.1002/pc.26093
899	Rajput V., Sahu N.K., Agrawal A., Gupta G.	Physical and mechanical properties of epoxy/Kota stone dust/fly ash hybrid composites for light duty structural applications	Polymer Composites					3.171	10.1002/pc.26477
900	Thiyagu C., Narendrakumar U.	Vibrational analysis of glass/ramie fiber reinforced hybrid polymer composite	Polymer Composites					3.171	10.1002/pc.26460
901	Vijayasathy S., Gayathri P., Suneetha V.	Fermented Foods and Their Abating Role in Gastric Ulcers	Journal of the American College of Nutrition					3.169	10.1080/07315724.2021.1962768

902	Wang H., Li X., Jhaveri R.H., Gadekallu T.R., Zhu M., Ahanger T.A., Khowaja S.A.	Sparse Bayesian learning based channel estimation in FBMC/OQAM industrial IoT networks	Computer Communications	176		40	45	3.167	10.1016/j.comcom. 2021.05.020
903	Gnanasekar S., Nirmala Grace A.	V2O5 Nanosheets as an Efficient, Low-cost Pt-free Alternate Counter Electrode for Dye- Sensitized Solar Cells	ChemNanoMat					3.154	10.1002/cnma.202 100382
904	M S.K., Jayagopal P.	Delineation of field boundary from multispectral satellite images through U-Net segmentation and template matching	Ecological Informatics	64				3.142	10.1016/j.ecoinf.20 21.101370
905	David E., Mishra K., Thirumoorthy K., Palanisami N.	Aggregation induced emission (AIE)-active N- arylated ferrocenyl pyrazole-based push-pull chromophores: Structural, photophysical, theoretical and effect of substitution on second-order non- linear optical properties	Applied Organometallic Chemistry					3.140	10.1002/aoc.6138
906	Kabi P., Razdan V., Roy D., Bansal L., Sahoo S., Mukherjee R., Chaudhuri S., Basu S.	Evaporation-induced alterations in oscillation and flow characteristics of a sessile droplet on a rose- mimetic surface	Soft Matter	17	6	1487	1496	3.140	10.1039/d0sm0210 6g



907	Das S., Kharbanda K., M S., Raman R., D E.D.	Deep learning architecture based on segmented fundus image features for classification of diabetic retinopathy	Biomedical Signal Processing and Control	68				3.137	10.1016/j.bspc.2021.102600
908	Roy Chowdhury M., Madanu R., Abbod M.F., Fan S.-Z., Shieh J.-S.	Deep learning via ECG and PPG signals for prediction of depth of anesthesia	Biomedical Signal Processing and Control	68				3.137	10.1016/j.bspc.2021.102663
909	Suruliandi A., Kasthuri A., Raja S.P.	Deep feature representation and similarity matrix based noise label refinement method for efficient face annotation	International Journal of Interactive Multimedia and Artificial Intelligence	7	2	66	77	3.137	10.9781/ijimai.2021.05.001
910	Gomathy V., Janarthanan K., Al-Turjman F., Sitharthan R., Rajesh M., Vengatesan K., Reshma T.P.	Investigating the Spread of Coronavirus Disease via Edge-AI and Air Pollution Correlation	ACM Transactions on Internet Technology	21	4			3.135	10.1145/3424222
911	Mohan U.P., Tirupathi Pichiah P.B., Iqbal S.T.A., Arunachalam S.	Mechanisms of doxorubicin-mediated reproductive toxicity – A review	Reproductive Toxicology	102		80	89	3.121	10.1016/j.reprotox.2021.04.003

912	Gandhi M., Rajagopal D., Senthil Kumar A.	In situ electro-organic synthesis of hydroquinone using anisole on MWCNT/Nafion modified electrode surface and its heterogeneous electrocatalytic reduction of toxic Cr(vi) species	RSC Advances	11	7	4062	4076	3.119	10.1039/d0ra10370e
913	Jothi D., Munusamy S., Sawminathan S., Kulathu Iyer S.	Highly sensitive naphthalimide based Schiff base for the fluorimetric detection of Fe <sup>3+</sup>	RSC Advances	11	19	11338	11346	3.119	10.1039/d1ra00345c
914	Munusamy S., Swaminathan S., Jothi D., Muralidharan V.P., Iyer S.K.	A sensitive and selective BINOL based ratiometric fluorescence sensor for the detection of cyanide ions	RSC Advances	11	26	15656	15662	3.119	10.1039/d1ra01213d
915	Era P., Jauhar R.O.M.U., Viswanathan V., Madhangi M., Vinitha G., Ahamed M.B., Murugakoothan P.	The exploration of the crystal nucleation parameters and physico-chemical analysis of a single crystal: 2-amino-4,6-dimethoxypyrimidinium hydrogen (2 R,3 R)-tartrate 2-amino-4,6-dimethoxypyrimidine	RSC Advances	11	26	15710	15721	3.119	10.1039/d1ra02188e

916	Kumar R., Kumar P., Tripathi R., Gupta G.P., Gadekallu T.R., Srivastava G.	SP2F: A secured privacy-preserving framework for smart agricultural Unmanned Aerial Vehicles	Computer Networks	187				3.111	10.1016/j.comnet.2021.107819
917	Sasmal P., Theeda P., Jampana P.V., Sastry C.S.	Nullspace Property for Optimality of Minimum Frame Angle under Invertible Linear Operators	IEEE Signal Processing Letters	28		1928	1932	3.109	10.1109/LSP.2021.3112105
918	Shaik A.H., Banerjee S., Rahaman A., Agashe S., Khan A., Chandan M.R.	One-step synthesis and characteristics of LiOH-castor oil based stable polyurethane foam	Journal of Polymer Research	28	6			3.097	10.1007/s10965-021-02580-4
919	Babu Rao K., Mallikarjuna Reddy D.	Fault detection in rotor system by discrete wavelet neural network algorithm	JVC/Journal of Vibration and Control					3.095	10.1177/10775463211030754
920	Sugavaneswarn M., Prashanthi B., John Rajan A.	A multi-criteria decision making method for vapor smoothening fused deposition modelling part	Rapid Prototyping Journal					3.095	10.1108/RPJ-08-2020-0184
921	Pawgi A., Krishna A.B., Gupta S., Praveen A P., Arumugam A.B., Sudhagar P E.	Influence of graphene fillers on vibration characteristics of tapered hybrid GFRP composite beams under elevated temperature condition: Numerical and experimental study	JVC/Journal of Vibration and Control					3.095	10.1177/10775463211045795

922	Abbas S., Jalil Z., Javed A.R., Batool I., Khan M.Z., Noorwali A., Gadekallu T.R., Akbar A.	BCD-WERT: a novel approach for breast cancer detection using whale optimization based efficient features and extremely randomized tree algorithm	PeerJ Computer Science	7		1	20	3.091	10.7717/peerj-cs.390
923	Iyer T.J., Raj A.N.J., Ghildiyal S., Nersisson R.	Performance analysis of lightweight CNN models to segment infectious lung tissues of COVID-19 cases from tomographic images	PeerJ Computer Science	7		1	20	3.091	10.7717/PEERJ-CS.368
924	Sokkalingam R., Pravallika B., Sivaprasad K., Muthupandi V., Prashanth K.G.	Dissimilar welding of high-entropy alloy to Inconel 718 superalloy for structural applications	Journal of Materials Research					3.089	10.1557/s43578-021-00352-w
925	Pandy C., Prabhudesai G., Yamaguchi K., Ramakrishnan V.N., Neo Y., Mimura H., Moraru D.	Electron transport via a few-dopant cluster in the presence of counter-dopants in silicon nanowire transistors	Applied Physics Express	14	5			3.086	10.35848/1882-0786/abf404
926	Sharma V., Ilaiyaraja P., Dakshinamurthy A.C., Sudakar C.	One step thermolysis of Sb-Mercaptopropionic acid complex in ambient air atmosphere for growing Sb <sub>2</sub> S <sub>3</sub> thin films with controlled microstructure	Materials Science in Semiconductor Processing	121				3.085	10.1016/j.mssp.2020.105330

927	Hegde T.A., Dutta A., Girisun T.C.S., Vinitha G.	A novel chlorocadmite hybrid cocrystal delivering intermolecular charge transfer enhanced nonlinear optical properties and optical limiting	Optical Materials	117					3.080	10.1016/j.optmat.2021.111194
928	Nagarajan C., Mani Rahulan K., Madhubala V., Angeline Little Flower N., Vinitha G., Annie Sujatha R.	Self-defocusing, Kerr nonlinearity of green light emitting phosphors, Calcium–Strontium bimetallic tungstate nanoparticles decorated rGO	Optical Materials	122					3.080	10.1016/j.optmat.2021.111680
929	Aswaniya K., Jessie Raj M.B., Gowri S., Vinitha G.	Experimental, computational analysis of new organic NLO crystal: Piperazinium nicotinic acid and its efficiency in optoelectronic applications	Optical Materials	122					3.080	10.1016/j.optmat.2021.111694
930	Chu S., Nakkeeran K., Abobaker A.M., Aphale S.S., Sivabalan S., Ramesh Babu P., Senthilnathan K.	Influence of the Sub-Peak of Secondary Surface Plasmon Resonance onto the Sensing Performance of a D-Shaped Photonic Crystal Fibre Sensor	IEEE Sensors Journal	21	1	33	42	3.073	10.1109/JSEN.2019.2953393	

931	Jindal S.K., Sethi K., Patel I., Kumar A., Raghuwanshi S.K.	A Semi-Analytical and Computationally Efficient Method to Calculate the Touch-Point Pressure and Pull-In Voltage of a MEMS Pressure Sensor with a Circular Diaphragm	IEEE Sensors Journal	21	2	1332	1339	3.073	10.1109/JSEN.2020.3019205
932	Maddikunta P.K.R., Hakak S., Alazab M., Bhattacharya S., Gadekallu T.R., Khan W.Z., Pham Q.	Unmanned Aerial Vehicles in Smart Agriculture: Applications, Requirements, and Challenges	IEEE Sensors Journal					3.073	10.1109/JSEN.2021.3049471
933	Chu S., Nakkeeran K., Abobaker A.M., Aphale S.S., Sivabalan S., Ramesh Babu P., Senthilnathan K.	A Surface Plasmon Resonance Bio-Sensor Based on Dual Core D-Shaped Photonic Crystal Fibre Embedded with Silver Nanowires for Multisensing	IEEE Sensors Journal	21	1	76	84	3.073	10.1109/JSEN.2020.2981897
934	Bhaskar N., Suchetha M., Philip N.Y.	Time Series Classification-Based Correlational Neural Network with Bidirectional LSTM for Automated Detection of Kidney Disease	IEEE Sensors Journal	21	4	4811	4818	3.073	10.1109/JSEN.2020.3028738
935	Kumar A., Ranganatham R., Kumar M., Komaragiri R.	Hardware Emulation of a Biorthogonal Wavelet Transform-Based Heart Rate Monitoring Device	IEEE Sensors Journal	21	4	5271	5281	3.073	10.1109/JSEN.2020.3034742

936	Meena K.V., Ravi Sankar A.	Biomedical Catheters with Integrated Miniature Piezoresistive Pressure Sensors: A Review	IEEE Sensors Journal					3.073	10.1109/JSEN.2021.3057222
937	Sridhar S., Sebastian S., Sood A.K., Asokan S.	A Study on MoS <sub>2</sub> Nanolayer Coated Etched Fiber Bragg Grating Strain Sensor	IEEE Sensors Journal					3.073	10.1109/JSEN.2021.3054473
938	Vajresh Kumar N., Pant S., Sridhar S., Marulasiddappa V., Srivatzen S., Asokan S.	Fiber Bragg Grating Based Pulse Monitoring Device for Real-Time Non-Invasive Blood Pressure Measurement &#x2013; A Feasibility Study	IEEE Sensors Journal					3.073	10.1109/JSEN.2021.3055245
939	Dash A.R., Lakhani A.J., Devi Priya D., Surendra T.V., Khan M.M.R., Samuel E.J.J., Roopan S.M.	Green Synthesis of Stannic Oxide Nanoparticles for Ciprofloxacin Degradation: Optimization and Modelling Using a Response Surface Methodology (RSM) Based on the Box–Behnken Design	Journal of Cluster Science					3.061	10.1007/s10876-021-02198-y
940	Teja P.R., Annamalai A.R., Evangeline T. G., Srikanth M., Agrawal D.K., Jen C.-P.	Effect of heating modes on reactive sintering of Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> ceramics	Materials	14	2	1	11	3.057	10.3390/ma14020273

941	Ma P., Ji P., Jia Y., Shi X., Yu Z., Prashanth K.G.	Effect of substrate plate heating on the microstructure and properties of selective laser melted Al-20Si-5Fe-3Cu-1Mg Alloy	Materials	14	2	1	15	3.057	10.3390/ma14020330
942	Balan A.S.S., Chidambaram K., Kumar A.V., Krishnaswamy H., Pimenov D.Y., Giasin K., Nadolny K.	Effect of cryogenic grinding on fatigue life of additively manufactured maraging steel	Materials	14	5	1	16	3.057	10.3390/ma14051245
943	Natarajan S., Gopalan V., Rajan R.A.A., Jen C.-P.	Effect of rare earth metals (Y, la) and refractory metals (mo, ta, re) to improve the mechanical properties of w-ni-fe alloy—a review	Materials	14	7			3.057	10.3390/ma14071660
944	Suo C., Ma P., Jia Y., Liu X., Shi X., Yu Z., Prashanth K.G.	Annealing of Al-Zn-Mg-Cu Alloy at high pressures: Evolution of microstructure and the corrosion behavior	Materials	14	8			3.057	10.3390/ma14082076
945	Sai Chaithanya M., Bhaskar D., Vidya R.	Metal transfer and related human health risk assessment through milk from cattle grazing at an industrial discharge area	Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment					3.057	10.1080/19440049.2021.2007291



946	Murugesan G.P., Narayan V., Devaraj S.	Spatial analysis of supraglacial debris cover in Svalbard, Arctic Region—a decadal study	Environmental Science and Pollution Research					3.056	10.1007/s11356- 020-12282-x
947	Palakuru M., Khadar Babu S.K., Chaube N.R.	Exploring potential of C band synthetic aperture radar imagery to investigate rice crop growth mechanism and productivity	Environmental Science and Pollution Research					3.056	10.1007/s11356- 021-13759-z
948	Bozorgi S.M., Hajjabadi M.R., Hosseinabadi A.A.R., Sangaiah A.K.	Clustering based on whale optimization algorithm for IoT over wireless nodes	Soft Computing					3.050	10.1007/s00500- 020-05563-7
949	Saravanan S., Sivabalakrishnan M.	A hybrid chaotic map with coefficient improved whale optimization-based parameter tuning for enhanced image encryption	Soft Computing					3.050	10.1007/s00500- 020-05528-w
950	Velusamy Y., Manickam R., Chinnaswamy S., Eanoth G.J., Yesudhas H.R., Kumar R., Long H.V.	Adaptive beam formation and channel allocation using substance near multicast protocol and CS- iEHO	Soft Computing					3.050	10.1007/s00500- 020-05476-5
951	Prakash B., Viswanathan V.	ARP–GWO: an efficient approach for prioritization of risks in agile software development	Soft Computing					3.050	10.1007/s00500- 020-05555-7

952	Ponnambalam S.G., Janardhanan M.N., Rishwaraj G.	Trust-based decision-making framework for multiagent system	Soft Computing					3.050	10.1007/s00500-021-05715-3
953	Kumar P.M., Babu G.C., Selvaraj A., Raza M., Luhach A.K., Díaz V.G.	Multi-criteria-based approach for job scheduling in industry 4.0 in smart cities using fuzzy logic	Soft Computing					3.050	10.1007/s00500-021-05765-7
954	Gobinath V.M., Annamalai K.	Experimental investigation of Te addition on chilled cast iron tappet manufacturing process	Materials and Manufacturing Processes					3.046	10.1080/10426914.2021.1906894
955	Chatterjee R., Ghosh B., Mandal M., Nawn D., Banerjee S., Pal M., Paul R.R., Banerjee S., Chatterjee J.	Pathophysiological relationship between hypoxia associated oxidative stress, Epithelial-mesenchymal transition, stemness acquisition and alteration of Shh/ Gli-1 axis during oral sub-mucous fibrosis and oral squamous cell carcinoma	European Journal of Cell Biology	100	1			3.025	10.1016/j.ejcb.2020.151146
956	Das D., Singh A.K.	Risk factors associated with work-related musculoskeletal disorders among floor-sitting precision handicraft workers	International Archives of Occupational and Environmental Health					3.015	10.1007/s00420-021-01817-5

957	Ramachandran A., Babu P.R., Senthilnathan K.	Design of a terahertz chemical sensor using a dual steering-wheel microstructured photonic crystal fiber	Photonics and Nanostructures - Fundamentals and Applications	46				3.008	10.1016/j.photonics.2021.100952
958	Swamy K.A., Alex Z.C.	Efficient low delay reconfigurable filter bank using parallel structure for hearing aid applications with IoT	Personal and Ubiquitous Computing					3.006	10.1007/s00779-021-01600-w
959	Paneerselvam P., Venkadesan G., Panithasan M.S., Alaganathan G., Wierzbicki S., Mikulski M.	Evaluating the influence of cetane improver additives on the outcomes of a diesel engine characteristics fueled with peppermint oil diesel blend	Energies	14	10			3.004	10.3390/en14102786
960	Kiran Kumar G., Kobaku T., Sahoo S., Subudhi B., Elangovan D., Blaabjerg F.	An overview of fully integrated switching power converters based on switched-capacitor versus inductive approach and their advanced control aspects	Energies	14	11			3.004	10.3390/en14113250
961	Vasantharaj S., Indragandhi V., Subramaniaswamy V., Teekaraman Y., Kuppusamy R., Nikolovski S.	Efficient control of dc microgrid with hybrid pv—fuel cell and energy storage systems	Energies	14	11			3.004	10.3390/en14113234

962	Park S.K., Sure J., Sri Maha Vishnu D., Jo S.J., Lee W.C., Ahmad I.A., Kim H.-K.	Nano-fe <sub>3</sub> o <sub>4</sub> /carbon nanotubes composites by one-pot microwave solvothermal method for supercapacitor applications	Energies	14	10	NA		3.004	10.3390/en14102908
963	Kurian R., Kulkarni K.S., Ramani P.V., Meena C.S., Kumar A., Cozzolino R.	Estimation of carbon footprint of residential building in warm humid climate of india through BIM	Energies	14	14			3.004	10.3390/en14144237
964	Nuvvula R.S.S., Elangovan D., Teegala K.S., Elavarasan R.M., Islam M.R., Inapakurthi R.	Optimal sizing of battery-integrated hybrid renewable energy sources with ramp rate limitations on a grid using ala-qps0	Energies	14	17			3.004	10.3390/en14175368
965	Chakraborty S., Verma S., Salgotra A., Elavarasan R.M., Elangovan D., Mihet-Popa L.	Solar-based dg allocation using harris hawks optimization while considering practical aspects	Energies	14	16			3.004	10.3390/en14165206
966	Vishnuram P., Ramachandiran G., Babu T.S., Nastasi B.	Induction heating in domestic cooking and industrial melting applications: A systematic review on modelling, converter topologies and control schemes	Energies	14	20			3.004	10.3390/en14206634

967	Thenmozhi R., Amutha B., Valsalakumar S., Rajagopal T.K.R., Sundaram S.	Application of MSVPC- 5G multicast SDN network eminence video transmission in drone thermal imaging for solar farm monitoring	Energies	14	24			3.004	10.3390/en14248 255
968	Shaik S., Gorantla K., Ghosh A., Arumugam C., Maduru V.R.	Energy savings and carbon emission mitigation prospective of building's glazing variety, window-to-wall ratio and wall thickness	Energies	14	23			3.004	10.3390/en14238 020
969	Choudhury S., Acharya S.K., Khadanga R.K., Mohanty S., Arshad J., Rehman A.U., Shafiq M., Choi J.-G.	Harmonic profile enhancement of grid connected fuel cell through cascaded h- bridge multi-level inverter and improved squirrel search optimization technique	Energies	14	23			3.004	10.3390/en14237 947
970	Vinay C.V., Varma D.S.M., Chandan M.R., Sivabalan P., Jaiswal A.K., Swetha S., Sionkowska A., Kaczmarek B.	Study of castor oil-based auxetic polyurethane foams for cushioning applications	Polymer International					2.990	10.1002/pi.6259

971	Baishya S., Deshamukhya C., Wangkheimayum J., Das B.J., Anbarasu A., Talukdar A.D., Bhattacharjee A., Choudhury M.D.	Transcriptional expression of secondary resistance genes ccdB and repA2 is enhanced in presence of cephalosporin and carbapenem in Escherichia coli	BMC Microbiology	21	1			2.989	10.1186/s12866- 021-02136-y
972	Archana V., Joseph Prince J., Kalainathan S.	Simple One-Step Leaf Extract-Assisted Preparation of $\alpha$ - Fe <sub>2</sub> O <sub>3</sub> Nanoparticles, Physicochemical Properties, and Its Sunlight-Driven Photocatalytic Activity on Methylene Blue Dye Degradation	Journal of Nanomaterials	2021				2.986	10.1155/2021/857 0351
973	Munusamy S., Sawminathan S., Arumugham T., Casales Díaz M., Godavarthi S., Kesarla M.K.	N-Doped Carbon Dots Derived from Melamine and Triethanolamine for Selective Sensing of Fe <sup>3+</sup> Ions	Journal of Nanomaterials	2021				2.986	10.1155/2021/827 5987
974	Andal V., Buvaneswari G., Lakshmi pathy R.	Synthesis of CuAl <sub>2</sub> O <sub>4</sub> Nanoparticle and Its Conversion to CuO Nanorods	Journal of Nanomaterials	2021				2.986	10.1155/2021/808 2522

975	Natrayan L., Ravichandran M., Veeman D., Sureshkumar P., Jagadeesha T., Suryanarayanan R., Mammo W.D.	Enhancement of Mechanical Properties on Novel Friction Stir Welded Al-Mg-Zn Alloy Joints Reinforced with Nano-SiC Particles	Journal of Nanomaterials	2021				2.986	10.1155/2021/255 5525
976	Kumar T.N.S., Deepa T., Natrayan L., Maheedhar M., Kathiravan R.	Evaluation of Prestrain Annealing Impact on Nanomaterial Sensitization	Journal of Nanomaterials	2021				2.986	10.1155/2021/317 5569
977	Sivaprakash V., Natrayan L., Suryanarayanan R., Narayanan R., Paramasivam P.	Electrochemical Anodic Synthesis and Analysis of TiO <sub>2</sub> Nanotubes for Biomedical Applications	Journal of Nanomaterials	2021				2.986	10.1155/2021/923 6530
978	Kalaiarasi A.R., Deepa T., Angalaeswari S., Subbulekshmi D., Kathiravan R.	Design, Simulation, and Analysis of Micro/Nanoelectromech anical System Rotational Devices	Journal of Nanomaterials	2021				2.986	10.1155/2021/624 4874
979	Merneedi A., Natrayan L., Kaliappan S., Veeman D., Angalaeswari S., Srinivas C., Paramasivam P.	Experimental Investigation on Mechanical Properties of Carbon Nanotube- Reinforced Epoxy Composites for Automobile Application	Journal of Nanomaterials	2021				2.986	10.1155/2021/493 7059

980	Selvaraj S.K., Ramesh R., Narendhra T.M.V., Agarwal I.N., Chadha U., Paramasivam V., Palanisamy P.	New developments in carbon-based nanomaterials for automotive brake pad applications and future challenges	Journal of Nanomaterials	2021				2.986	10.1155/2021/678 7435
981	Rajeshkumar S., Menon S., Venkat Kumar S., Ponnanikajamidee n M., Ali D., Arunachalam K.	Anti-inflammatory and Antimicrobial Potential of Cissus quadrangularis - Assisted Copper Oxide Nanoparticles	Journal of Nanomaterials	2021				2.986	10.1155/2021/574 2981
982	Sundaramk M., Prakash P., Angalaeswari S., Deepa T., Natrayan L., Paramasivam P.	Influence of Process Parameter on Carbon Nanotube Field Effect Transistor Using Response Surface Methodology	Journal of Nanomaterials	2021				2.986	10.1155/2021/773 9359
983	Sarkar P., Thirumurugan K.	New insights into TNF $\alpha$ /PTP1B and PPAR $\gamma$ pathway through RNF213- a link between inflammation, obesity, insulin resistance, and Moyamoya disease	Gene	771				2.984	10.1016/j.gene.202 0.145340
984	Sundar V., Dutta A., Ramasamy S., Manickam V., Tamizhselvi R.	Sting pathway – A futuristic therapeutic target for acute pancreatitis?	Gene	778				2.984	10.1016/j.gene.202 1.145469



985	Nabi J., Rahim A.A.	On the possibility of using damaged plasticity models in the assessment of structural response of gravity beams	Structures	33		1987	2002	2.983	10.1016/j.istruc.2021.05.026
986	Suresh S., Ragesh Rajan M., Pushparaj J., Cs A., Lal S., Reddy C.S.	Dehazing of Satellite Images using Adaptive Black Widow Optimization-based framework	International Journal of Remote Sensing	42	13	5072	5090	2.976	10.1080/01431161.2021.1910367
987	Phaneendra Kumar B.L.N., Manoharan P.	Whale optimization-based band selection technique for hyperspectral image classification	International Journal of Remote Sensing	42	13	5109	5147	2.976	10.1080/01431161.2021.1906979
988	Sampita S., Rasool M.	Cyanidin attenuates IL-17A cytokine signaling mediated monocyte migration and differentiation into mature osteoclasts in rheumatoid arthritis	Cytokine	142				2.952	10.1016/j.cyto.2021.1155502
989	Rahaman A., Kar K.K.	Hierarchical epoxy based composites prepared by chemical vapor deposition of carbon nanocoils on glass fibers	Composite Interfaces					2.952	10.1080/09276440.2021.1990484

990	Govind V., Bharadwaj S., Sai Ganesh M.R., Vishnu J., Shankar K.V., Shankar B., Rajesh R.	Antiviral properties of copper and its alloys to inactivate covid-19 virus: a review	BioMetals					2.949	10.1007/s10534- 021-00339-4
991	Tirupati Rao V., Raja Sekhar Y.	Hybrid Photovoltaic/Thermal (PVT) Collector Systems With Different Absorber Configurations For Thermal Management – A Review	Energy and Environment					2.945	10.1177/0958305X 211065575
992	Chellapandi T., Madhumitha G.	Montmorillonite clay- based heterogenous catalyst for the synthesis of nitrogen heterocycle organic moieties: a review	Molecular Diversity					2.943	10.1007/s11030- 021-10322-3
993	Ramesh P., Veerappapillai S.	Prediction of Micronucleus Assay Outcome Using In Vivo Activity Data and Molecular Structure Features	Applied Biochemistry and Biotechnology					2.926	10.1007/s12010- 021-03720-8
994	Ramanujam P., Ponnusamy M., Ramanujam K.	A compact wide- bandwidth Antipodal Vivaldi Antenna array with suppressed mutual coupling for 5G mm-wave applications	AEU - International Journal of Electronics and Communications	133				2.924	10.1016/j.aeue.202 1.153668

995	Subbaraj S., Kanagasabai M., Sambandam P., Gulam Nabi Alsath M., Palaniswamy S.K., Kingsly S.	Performance enhanced folded multiband MIMO antenna for mobile terminals	AEU - International Journal of Electronics and Communications	137				2.924	10.1016/j.aeue.202 1.153750
996	Arun H.	Advancements in the use of carbon nanotubes for antenna realization	AEU - International Journal of Electronics and Communications	136				2.924	10.1016/j.aeue.202 1.153753
997	Balaji S., Guda R., Mandal B.K., Kasula M., Ubba E., Khan F.-R.N.	Green synthesis of nano- titania (TiO <sub>2</sub> NPs) utilizing aqueous Eucalyptus globulus leaf extract: applications in the synthesis of 4H-pyran derivatives	Research on Chemical Intermediates	47	9	3919	3931	2.914	10.1007/s11164- 018-03720-0
998	Varugeese A., Shahina A., Nawas K., Khan A.N.	EarNet: Biometric Embeddings for End to End Person Authentication System Using Transient Evoked Otoacoustic Emission Signals	Neural Processing Letters					2.908	10.1007/s11063- 021-10546-2

999	Suresh Kumar V., Krishnamoorthi C.	Development of electrical transduction based wearable tactile sensors for human vital signs monitor: Fundamentals, methodologies and applications	Sensors and Actuators, A: Physical	321				2.904	10.1016/j.sna.2021.112582
1000	Gupta G., Ghasemian H., Janvekar A.A.	A novel failure mode effect and criticality analysis (FMECA) using fuzzy rule-based method: A case study of industrial centrifugal pump	Engineering Failure Analysis	123				2.897	10.1016/j.engfailanal.2021.105305
1001	Mahboob S., Nivetha R., Gopinath K., Balalakshmi C., Al-Ghanim K.A., Al-Misned F., Ahmed Z., Govindarajan M.	Facile synthesis of gold and platinum doped titanium oxide nanoparticles for antibacterial and photocatalytic activity: A photodynamic approach	Photodiagnosis and Photodynamic Therapy	33				2.894	10.1016/j.pdpdt.2020.102148
1002	Roy P.K.	Deep Neural Network to Predict Answer Votes on Community Question Answering Sites	Neural Processing Letters					2.891	10.1007/s11063-021-10470-5
1003	Meena S.D., Agilandeewari L.	Smart Animal Detection and Counting Framework for Monitoring Livestock in an Autonomous Unmanned Ground Vehicle Using Restricted Supervised Learning and Image Fusion	Neural Processing Letters					2.891	10.1007/s11063-021-10439-4

1004	Parwin S., Parui J.	Time-temperature-transformation of BiFeO <sub>3</sub> phase synthesized by citrate–nitrate route and a synergetic effect for its stabilization	Journal of Chemical Thermodynamics	156				2.888	10.1016/j.jct.2020.106347
1005	Singh K.S., Albert J., Bhaskaran P.K., Alam P.	Assessment of extremely severe cyclonic storms over Bay of Bengal and performance evaluation of ARW model in the prediction of track and intensity	Theoretical and Applied Climatology					2.882	10.1007/s00704-020-03510-y
1006	Liu H., Zhang Z., Yang F., Yang J., Grace A.N., Li J., Tripathi S., Jain S.M.	Dopants for enhanced performance of tin-based perovskite solar cells—a short review	Coatings	11	9			2.881	10.3390/coatings11091045
1007	Chellapandi T., Madhumitha G.	Microwave-assisted fabrication of ZnO/MK10 nanocomposite: an efficient photocatalytic and sonophotocatalytic degradation of methylene blue dye	Applied Nanoscience (Switzerland)					2.880	10.1007/s13204-021-01741-7
1008	Hande V., Teo K., Srikanth P., Wong J.S.M., Sethu S., Martinez- Lopez W., Hande M.P.	Investigations on the new mechanism of action for acetaldehyde-induced clastogenic effects in human lung fibroblasts	Mutation Research - Genetic Toxicology and Environmental Mutagenesis	861-862				2.873	10.1016/j.mrgentox.2020.503303

1009	G I., Singh A.K.	MHD flows on irregular boundary over a diverging channel with viscous dissipation effect	International Journal of Numerical Methods for Heat and Fluid Flow					2.871	10.1108/HFF-06-2020-0368
1010	Priya G., Madhan B., Narendrakumar U., Suresh Kumar R.V., Manjubala I.	In Vitro and in Vivo Evaluation of Carboxymethyl Cellulose Scaffolds for Bone Tissue Engineering Applications	ACS Omega					2.870	10.1021/acsomega.0c04551
1011	Arkin V.H., Narendrakumar U., Madhyastha H., Manjubala I.	Characterization and in Vitro Evaluations of Injectable Calcium Phosphate Cement Doped with Magnesium and Strontium	ACS Omega	6	4	2477	2486	2.870	10.1021/acsomega.0c03927
1012	Kalaiselvan C.R., Thorat N.D., Sahu N.K.	Carboxylated PEG-Functionalized MnFe <sub>2</sub> O <sub>4</sub> Nanocubes Synthesized in a Mixed Solvent: Morphology, Magnetic Properties, and Biomedical Applications	ACS Omega					2.870	10.1021/acsomega.0c05382
1013	Goel S.G., Somwanshi S., Mankar S., Srimuruganandam B., Gupta R.	Characteristics of indoor air pollutants and estimation of their exposure dose	Air Quality, Atmosphere and Health					2.870	10.1007/s11869-021-00996-x

1014	Murthy V.S., Tamboli Y., Krishna V.S., Sriram D., Zhang F.X., Zamponi G.W., Vijayakumar V.	Synthesis and Biological Evaluation of Novel Benzhydrylpiperazine- Coupled Nitrobenzenesulfonamide Hybrids	ACS Omega	6	14	9731	9740	2.870	10.1021/acsomega. 1c00369
1015	Jose J., Srimuruganandam B.	Effect of silt loading on particle concentration in the atmosphere from resuspended road dust through particulate matter dispersion modeling	Air Quality, Atmosphere and Health					2.870	10.1007/s11869- 021-01034-6
1016	Vinodhini V., Krishnamoorthi C.	Effect of dispersants on cytotoxic properties of magnetic nanoparticles: a review	Polymer Bulletin					2.87	10.1007/s00289- 021-03940-2
1017	Bihari A., Tripathi S., Deepak A.	Iterative weighted EM and iterative weighted EM'- index for scientific assessment of scholars	Scientometrics					2.867	10.1007/s11192- 021-03937-8
1018	Priyanka E.B., Thangavel S., Prasad P.H., Mohanasundaram R.	IoT fusion based model predictive pid control approach for oil pipeline infrastructure	International Journal of Critical Infrastructure Protection	35				2.865	10.1016/j.ijcip.202 1.100485
1019	Muralidhar K., Rajasekar N.	A new design and feasible architecture of DC microgrid for rural electrification	International Transactions on Electrical Energy Systems					2.860	10.1002/2050- 7038.12973

1020	Pujari H.K., Rudramoorthy M.	Optimal design and techno-economic analysis of a hybrid grid-independent renewable energy system for a rural community	International Transactions on Electrical Energy Systems					2.860	10.1002/2050-7038.13007
1021	Muralidhar K., Rajasekar N.	A review of various components of solar water-pumping system: Configuration, characteristics, and performance	International Transactions on Electrical Energy Systems					2.86	10.1002/2050-7038.13002
1022	Ramalingeswar J.T., Subramanian K.	A novel electric vehicles fleet control strategy for micro grids with fuzzy based vehicle prioritization considering battery longevity	International Transactions on Electrical Energy Systems					2.86	10.1002/2050-7038.13065
1023	Viji A.S., Antony B.T., Wagh M.S., Osborne W.J.	Bioremoval of cadmium by co-cultivated bacterial strains, Bacillus paramycoides and Bacillus subtilis, in a pilot-scale phyto- and rhizoremediation approach	International Journal of Environmental Science and Technology					2.86	10.1007/s13762-021-03540-7
1024	Baskar A., Anthony Xavier M.	A four-point direction search heuristic algorithm applied to facility location on plane, sphere, and ellipsoid surfaces	Journal of the Operational Research Society					2.860	10.1080/01605682.2021.1984185



1025	Venkateswari R., Rajasekar N.	Review on parameter estimation techniques of solar photovoltaic systems	International Transactions on Electrical Energy Systems					2.860	10.1002/2050-7038.13113
1026	Nuvvula R.S.S., Devaraj E., Teegala S.K.	A hybrid multiobjective optimization technique for optimal sizing of BESS-WtE supported multi-MW HRES to overcome ramp rate limitations on thermal stations	International Transactions on Electrical Energy Systems					2.860	10.1002/2050-7038.13241
1027	Mishra S., Dash S.K., Ray P.K., Puhan P.S.	Analysis and experimental evaluation of novel hybrid fuzzy-based sliding mode control strategy for performance enhancement of PV fed DSTATCOM	International Transactions on Electrical Energy Systems	31	10			2.860	10.1002/2050-7038.12815
1028	Venkateswari R., Rajasekar N.	Enhancing the power output of partially shaded PV array using column shift right-left panel arrangement based array reconfiguration technique	International Transactions on Electrical Energy Systems					2.860	10.1002/2050-7038.13192
1029	Renu K., Pureti L.P., Vellingiri B., Valsala Gopalakrishnan A.	Toxic effects and molecular mechanism of doxorubicin on different organs—an update	Toxin Reviews					2.851	10.1080/15569543.2021.1912099

1030	Czapla A., Ganesapillai M., Drewnowski J.	Composite as a material of the future in the era of green deal implementation strategies	Processes	9	12			2.847	10.3390/pr9122238
1031	Das R., Eniyan K., Bajpai U.	Computational identification and characterization of antigenic properties of Rv3899c of Mycobacterium tuberculosis and its interaction with human leukocyte antigen (HLA)	Immunogenetics					2.846	10.1007/s00251-021-01220-x
1032	Yuvaraj L., Jeyanthi S., Mailan Chinnapandi L.B., Pitchaimani J.	Experimental and numerical investigation on sound absorption characteristics of 3D printed coupled-cavity integrated passive element systems	Journal of Low Frequency Noise Vibration and Active Control					2.837	10.1177/14613484211042157
1033	Sompalli N.K., Mohanty A., Mohan A.M., Deivasigamani P.	Visible-light harvesting innovative W6+/Yb3+/TiO2 materials as a green methodology photocatalyst for the photodegradation of pharmaceutical pollutants	Photochemical and Photobiological Sciences					2.831	10.1007/s43630-021-00028-8

1034	Swain S., Ong J.L., Narayanan R., Rautray T.R.	Ti-9Mn $\beta$ -type alloy exhibits better osteogenicity than Ti- 15Mn alloy in vitro	Journal of Biomedical Materials Research - Part B Applied Biomaterials					2.831	10.1002/jbm.b.348 63
1035	Hariom S.K., Ravi A., Mohan G.R., Pochiraju H.D., Chattopadhyay S., Nelson E.J.R.	Animal physiology across the gravity continuum	Acta Astronautica	178		522	535	2.830	10.1016/j.actaastro .2020.09.044
1036	Padhy A.K., Padhy A.K.	Legal conundrums of space tourism	Acta Astronautica	184		269	273	2.830	10.1016/j.actaastro .2021.04.024
1037	Rajeshkumar S., Tharani M., Rajeswari V.D., Alharbi N.S., Kadaikunnan S., Khaled J.M., Gopinath K., Vijayakumar N., Govindarajan M.	Synthesis of greener silver nanoparticle-based chitosan nanocomposites and their potential antimicrobial activity against oral pathogens	Green Processing and Synthesis	10	1	658	665	2.83	10.1515/gps-2021- 0060
1038	Dhas C.R., Monica S.E.S., Jothivenkatachal am K., Nathanael A.J., Kavinkumar V., Venkatesh R., Arivukarasan D.	Direct-grown nebulizer- sprayed nickel-copper mixed metal oxide nanocomposite films as bifunctional electrocatalyst for water splitting	Ionics					2.817	10.1007/s11581- 021-04285-6

1039	Abidi M.H., Alkhalefah H., Moiduddin K., Alazab M., Mohammed M.K., Ameen W., Gadekallu T.R.	Optimal 5G network slicing using machine learning and deep learning concepts	Computer Standards and Interfaces	76				2.809	10.1016/j.csi.2021.103518
1040	Kavitha K., Nisar K.S., Shukla A., Vijayakumar V., Rezapour S.	A discussion concerning the existence results for the Sobolev-type Hilfer fractional delay integro-differential systems	Advances in Difference Equations	2021	1			2.803	10.1186/s13662-021-03624-1
1041	Arora U., Vijayakumar V., Shukla A., Nisar K.S., Rezapour S., Jamshed W.	Results on exact controllability of second-order semilinear control system in Hilbert spaces	Advances in Difference Equations	2021	1			2.803	10.1186/s13662-021-03620-5
1042	Vijayakumar V., Shukla A., Nisar K.S., Jamshed W., Rezapour S.	A note on the approximate controllability of second-order integro-differential evolution control systems via resolvent operators	Advances in Difference Equations	2021	1			2.803	10.1186/s13662-021-03639-8
1043	Mohan Raja M., Vijayakumar V., Shukla A., Nisar K.S., Rezapour S.	New discussion on nonlocal controllability for fractional evolution system of order $1 < r < 2$	Advances in Difference Equations	2021	1			2.803	10.1186/s13662-021-03630-3
1044	du Chatinier D.N., Figler K.P., Agrawal P., Liu W., Zhang Y.S.	The potential of microfluidics-enhanced extrusion bioprinting	Biomicrofluidics	15	4			2.8	10.1063/5.0033280

1045	Mukherjee D., Nandy S., Mohan S., Al-Otaibi Y.D., Alnumay W.S.	Sustainable task scheduling strategy in cloudlets	Sustainable Computing: Informatics and Systems	30				2.798	10.1016/j.suscom.2 021.100513
1046	Yadav A.K., Singh K., Ahmadian A., Mohan S., Hussain Shah S.B., Alnumay W.S.	EMMM: Energy-efficient mobility management model for context-aware transactions over mobile communication	Sustainable Computing: Informatics and Systems	30				2.798	10.1016/j.suscom.2 020.100499
1047	Subramanian A.K., Ghosh U., Ramaswamy S., Alnumay W.S., Sharma P.K.	PrEEMAC: Priority based energy efficient MAC protocol for Wireless Body Sensor Networks	Sustainable Computing: Informatics and Systems	30				2.798	10.1016/j.suscom.2 021.100510
1048	Kurri V., Raja V., Prakasam P.	Cellular traffic prediction on blockchain-based mobile networks using LSTM model in 4G LTE network	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083- 021-01085-7
1049	Gawas M., Patil H., Govekar S.S.	An integrative approach for secure data sharing in vehicular edge computing using Blockchain	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083- 021-01107-4
1050	Onesimu J.A., Karthikeyan J., Sei Y.	An efficient clustering- based anonymization scheme for privacy- preserving data collection in IoT based healthcare services	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083- 021-01077-7

1051	Singh S., Kedia D., Rastogi N., Velmurugan T., Prakasam P.	P2P mobility management for seamless handover using D2D communication in B5G wireless technology	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-021-01123-4
1052	Jose J., Srimurugananda m B.	Source apportionment of urban road dust using four multivariate receptor models	Environmental Earth Sciences	80	19			2.784	10.1007/s12665-021-09960-5
1053	Rajagopal Krishnamoorthy B., Kannan S., Sivaperuman K.	Synthesis and crystal growth of 2, 3-dimethyl-N-[2-(hydroxy) benzylidene] aniline: An organic second-order non-linear optical crystal for non-linear optical (NLO) applications	Optical Materials	113				2.779	10.1016/j.optmat.2021.110864
1054	Kunapalli C.K., Chakraborty D., Shaik K.	Effect of vacuum annealing on structural, optical and magnetic properties of Sn doped ZnS thin films	Optical Materials	114				2.779	10.1016/j.optmat.2021.110961
1055	Kavitha K., Vijayakumar V., Udhayakumar R., Ravichandran C.	Results on controllability of Hilfer fractional differential equations with infinite delay via measures of noncompactness	Asian Journal of Control					2.779	10.1002/asjc.2549
1056	Mallavarapu S.K., Niranjan A., Li W., Wüster S., Nath R.	Population trapping in a pair of periodically driven Rydberg atoms	Physical Review A	103	2			2.777	10.1103/PhysRevA.103.023335

1057	Srivastava P., Sivashanmugam K.	Efficacy of sub-MIC level of meropenem and ciprofloxacin against extensive drug-resistant (XDR) <i>Pseudomonas aeruginosa</i> isolates of diabetic foot ulcer patients	Infection, Genetics and Evolution	92					2.773	10.1016/j.meegid.2021.104824
1058	Parthasarathi T., Ephrath J.E., Lazarovitch N.	Grafting of tomato ( <i>Solanum lycopersicum</i> L.) onto potato ( <i>Solanum tuberosum</i> L.) to improve salinity tolerance	Scientia Horticulturae	282					2.769	10.1016/j.scienta.2021.110050
1059	Uppuluri L.S., Motukuri S.K., Kumar D.	Genome-wide identification, characterization of aquaporin gene family and understanding aquaporin transport system in hot pepper ( <i>Capsicum annuum</i> L.)	Scientia Horticulturae	286					2.769	10.1016/j.scienta.2021.110206
1060	Vijayalakshmi A., Rajesh Kanna B., Vijayalakshmi C.	Extrinsic parameter's adjustment and potential implications in <i>Plasmodium falciparum</i> malaria diagnosis	Microscopy Research and Technique						2.769	10.1002/jemt.23940
1061	Saini A., Daniel S., Saini S., Mittal A.	EffKannadaRes-NeXt: An efficient residual network for Kannada numeral recognition	Multimedia Tools and Applications						2.757	10.1007/s11042-021-10797-0

1062	Tewari A.S., Parhi I., Al-Turjman F., Abhishek K., Ghalib M.R., Shankar A.	User-centric hybrid semi-autoencoder recommendation system	Multimedia Tools and Applications					2.757	10.1007/s11042-021-11039-z
1063	Basha G.M.T., Bolleddu V.	Tribological Behavior of Carbon Nanotubes Reinforced High Velocity Oxy-Fuel Sprayed WC-20 wt.% Co Coatings	Journal of Thermal Spray Technology					2.757	10.1007/s11666-021-01230-x
1064	Maity A., Prakasam P., Bhargava S.	Machine learning based KNN classifier: towards robust, efficient DTMF tone detection for a Noisy environment	Multimedia Tools and Applications					2.757	10.1007/s11042-021-11194-3
1065	Soundrapandiyan R., Satapathy S.C., P.V.S.S.R C.M., Nhu N.G.	A comprehensive survey on image enhancement techniques with special emphasis on infrared images	Multimedia Tools and Applications					2.757	10.1007/s11042-021-11250-y
1066	Narayanan K.L., Krishnan R.S., Son L.H., Tung N.T., Julie E.G., Robinson Y.H., Kumar R., Gerogiannis V.C.	Fuzzy Guided Autonomous Nursing Robot through Wireless Beacon Network	Multimedia Tools and Applications					2.757	10.1007/s11042-021-11264-6
1067	Sanket S., Vergin Raja Sarobin M., Jani Anbarasi L., Thakor J., Singh U., Narayanan S.	Detection of novel coronavirus from chest X-rays using deep convolutional neural networks	Multimedia Tools and Applications					2.757	10.1007/s11042-021-11257-5



1068	Rajesh M., Sitharthan R.	Image fusion and enhancement based on energy of the pixel using Deep Convolutional Neural Network	Multimedia Tools and Applications					2.757	10.1007/s11042-021-11501-y
1069	Vidhya R., Brindha M.	A novel approach for Chaotic image Encryption based on block level permutation and bit-wise substitution	Multimedia Tools and Applications					2.757	10.1007/s11042-021-11720-3
1070	Karthik P., Parashar M., Reka S.S., Rajamani K.T., Heinrich M.P.	Semantic segmentation for plant phenotyping using advanced deep learning pipelines	Multimedia Tools and Applications					2.757	10.1007/s11042-021-11770-7
1071	Wang P., Yu S., Shergill J., Chaubey A., Eckert J., Prashanth K.G., Scudino S.	Selective Laser Melting of Al-7Si-0.5 Mg-0.5Cu: Effect of Heat Treatment on Microstructure Evolution, Mechanical Properties and Wear Resistance	Acta Metallurgica Sinica (English Letters)					2.755	10.1007/s40195-021-01279-1
1072	Modrak V., Pandian R.S., Kumar S.S.	Parametric study of wire-edm process in al-mg-mos2 composite using nsga-ii and mopso algorithms	Processes	9	3	1	13	2.753	10.3390/pr9030469

1073	Vuppaladadiyam A.K., Antunes E., Vuppaladadiyam V.S.S., Shehzad F., Somasundaram M., Memon M.Z., Song Q., Dong W., Duan H.	Discernment of synergy during the co-pyrolysis of lipid-extracted microalgae and digested municipal solid waste: a thermogravimetric–mass spectrometric study	Journal of Chemical Technology and Biotechnology					2.750	10.1002/jctb.6702
1074	Chaudhary A., Panchal S.H., Surana A., Sreekanth M., Ismail S., Feroskhan M.	Performance, emission and combustion characteristics of various biodiesel blends	Journal of Thermal Analysis and Calorimetry					2.731	10.1007/s10973-021-10642-4
1075	Ajisha D.S., Vizhi R.E.	Structural, dielectric and nonlinear properties of potassium hydrogen oxalate-trihydroxy boron (KHC <sub>2</sub> O <sub>4</sub> B(OH) <sub>3</sub> ) single-crystal	Journal of Solid State Chemistry	293				2.726	10.1016/j.jssc.2020.121642
1076	Sivaraman K., Shanthi C.	Role of fish collagen hydrolysate in attenuating inflammation—An in vitro study	Journal of Food Biochemistry					2.72	10.1111/jfbc.13876
1077	Jain R., Nashine H.K., Kadelburg Z.	Some fixed point results on relational quasi partial metric spaces and application to non-linear matrix equations	Symmetry	13	6			2.713	10.3390/sym13060993

1078	Sharma M.K., Kamini, Dhiman N., Mishra V.N., Rosales H.G., Dhaka A., Nandal A., Fernández E.G., Ramirez-delreal T.A., Mishra L.N.	A fuzzy optimization technique for multi-objective aspirational level fractional transportation problem	Symmetry	13	8			2.713	10.3390/sym13081 465
1079	Shetgaonkar S.E., Kollur S.P., Pillai R.R., Thangavel K., Armaković S.J., Armaković S., Shivamallu C., Amachawadi R.G., Syed A., Elgorban A.M., Bahkali A.H., Singh F.V.	Investigation of pharmaceutical importance of 2h-pyran-2- one analogues via computational approaches	Symmetry	13	9			2.713	10.3390/sym13091 619
1080	Das D., Mishra L.N., Mishra V.N., Rosales H.G., Dhaka A., Monteagudo F.E.L., Fernández E.G., Ramirez- Delreal T.A.	C*-algebra valued modular g-metric spaces with applications in fixed point theory	Symmetry	13	11			2.713	10.3390/sym13112 003
1081	S D., V A.	Analysis & Design of Convolution Operator for High Speed and High Accuracy Convolutional Neural Network-based Inference Engines	IEEE Transactions on Computers					2.711	10.1109/TC.2021.3 051627

1082	Rong Q., Thangaraj C., Easwaramoorthy D., He S.	Multifractal based image processing for estimating the complexity of COVID- 19 dynamics	European Physical Journal: Special Topics					2.707	10.1140/epjs/s117 34-021-00336-1
1083	Divya A., Manimaran A.	Topological indices for the iterations of Sierpiński rhombus and Koch snowflake	European Physical Journal: Special Topics					2.707	10.1140/epjs/s117 34-021-00338-z
1084	Balasubramani N., Gowrisankar A.	Affine recurrent fractal interpolation functions	European Physical Journal: Special Topics					2.707	10.1140/epjs/s117 34-021-00306-7
1085	Priyanka T.M.C., Gowrisankar A.	Riemann–Liouville fractional integral of non- affine fractal interpolation function and its fractional operator	European Physical Journal: Special Topics					2.707	10.1140/epjs/s117 34-021-00315-6
1086	Poduval A., Ayyagari M.S., Malinda M., K.E.K V., Kumar A., Kandasamy J.	Barriers in repurposing an existing manufacturing plant: a total interpretive structural modeling (TISM) approach	Operations Management Research					2.706	10.1007/s12063- 021-00209-9
1087	Selvaraj S.K., Srinivasan K., Chadha U., Mishra R., Arpit K., Apurb K., Hu Y.-C.	Contemporary Progresses in Ultrasonic Welding of Aluminum Metal Matrix Composites	Frontiers in Materials	8				2.705	10.3389/fmats.202 1.647112

1088	Gundabattini E., Mystkowski A., Idzkowski A., Raja Singh R., Solomon D.G.	Thermal mapping of a high-speed electric motor used for traction applications and analysis of various cooling methods⇔a review	Energies	14	5			2.702	10.3390/en140514 72
1089	Gopi R.S., Srinivasan S., Panneerselvam K., Teekaraman Y., Kuppusamy R., Urooj S.	Enhanced model reference adaptive control scheme for tracking control of magnetic levitation system	Energies	14	5			2.702	10.3390/en140514 55
1090	Sarojini R.K., Kaliannan P., Teekaraman Y., Nikolovski S., Baghaee H.R.	An enhanced emulated inertia control for grid- connected pv systems with hess in a weak grid	Energies	14	6			2.702	10.3390/en140617 21
1091	Muthukumar J., Chidambaram R., Sukumaran S.	Sulfated polysaccharides and its commercial applications in food industries—A review	Journal of Food Science and Technology	58	7	2453	2466	2.701	10.1007/s13197- 020-04837-0
1092	Joseph C., Batra R., Selvasekaran P., Chidambaram R.	Low calorie cocoa-based products: a short review	Journal of Food Science and Technology					2.701	10.1007/s13197- 021-05223-0
1093	Maity S., Nayak S., Singh K.S., Nayak H.P., Dutta S.	Impact of soil moisture initialization in the simulation of indian summer monsoon using RegCM4	Atmosphere	12	9			2.686	10.3390/atmos120 91148

1094	Gopalan K., Shukla B.P., Sharma S., Kumar P., Shyam A., Gaur A., Sunda S.	An observational study of GPS-derived integrated water vapor over India	Atmosphere	12	10			2.686	10.3390/atmos12 101303
1095	Chang C.-Y., Bhattacharya S., Raj Vincent P.M.D., Lakshmana K., Srinivasan K.	An Efficient Classification of Neonates Cry Using Extreme Gradient Boosting-Assisted Grouped-Support- Vector Network	Journal of Healthcare Engineering	2021				2.682	10.1155/2021/751 7313
1096	Prasanna Kumaar S., Sivasubramanian A.	Optimization of the Transverse Electric Photonic Strip Waveguide Biosensor for Detecting Diabetes Mellitus from Bulk Sensitivity	Journal of Healthcare Engineering	2021				2.682	10.1155/2021/608 1570
1097	Kataria G., Dhyani K., Patel D., Srinivasan K., Malwade S., Syed Abdul S.	The smart pill sticker: Introducing a smart pill management system based on touch-point technology	Health Informatics Journal	27	4			2.681	10.1177/1460458 2211052848
1098	Budholiya S., Bhat A., Raj S.A., Sultan M.T.H., Shah A.U.M., Basri A.A.	State of the art review about bio-inspired design and applications: An aerospace perspective	Applied Sciences (Switzerland)	11	11			2.679	10.3390/app11115 054

1099	Vemanaboina H., Gundabattini E., Akella S., Uma Maheshwar Rao A.C., Buddu R.K., Ferro P., Berto F.	Mechanical and metallurgical properties of co2 laser beam inconel 625 welded joints	Applied Sciences (Switzerland)	11	15			2.679	10.3390/app11157 002
1100	Modrak V., Pandian R.S., Semanco P.	Calibration of GA parameters for layout design optimization problems using design of experiments	Applied Sciences (Switzerland)	11	15			2.679	10.3390/app11156 940
1101	Mohapatra S.K., Prasad S., Bebartha D.K., Das T.K., Srinivasan K., Hu Y.-C.	Automatic hate speech detection in english-odia code mixed social media data using machine learning techniques	Applied Sciences (Switzerland)	11	18			2.679	10.3390/app11188 575
1102	Dash S.K., Rocotelli M., Khansama R.R., Fanti M.P., Mangini A.M.	Long term household electricity demand forecasting based on rnn- gbt model and a novel energy theft detection method	Applied Sciences (Switzerland)	11	18			2.679	10.3390/app11188 612
1103	Prasad A., Tyagi A.K., Althobaiti M.M., Almulihi A., Mansour R.F., Mahmoud A.M.	Human activity recognition using cell phone-based accelerometer and convolutional neural network	Applied Sciences (Switzerland)	11	24			2.679	10.3390/app1124 12099
1104	Polinati S., Bavirisetti D.P., Rajesh K.N.V.P.S., Naik G.R., Dhuli R.	The fusion of mri and ct medical images using variational mode decomposition	Applied Sciences (Switzerland)	11	22			2.679	10.3390/app1122 10975

1105	N. V., K. S., S. S., Das A., Jaiswal A.K.	In vitro biological activity of Zn substituted hydroxyapatite/ polyvinyl alcohol composite for orthopaedic applications	Materials Today Communications	26					2.678	10.1016/j.mtcomm.2021.102025
1106	Meher S.R., Lakshmanan A., Gupta D., Alex Z.C.	N-type doping feasibility of Cu <sub>2</sub> O with In and Al for cost-effective photovoltaics: An ab initio investigation	Materials Today Communications	26					2.678	10.1016/j.mtcomm.2021.102015
1107	Rajeshkumar S., Malarkodi C., Al Farraj D.A., Soliman Elshikh M., Mohana Roopan S.	Employing sulphated polysaccharide (fucoidan) as medium for gold nanoparticles preparation and its anticancer study against HepG2 cell lines	Materials Today Communications	26					2.678	10.1016/j.mtcomm.2020.101975
1108	Rajeev P.V., Gnanasekar S., Gothandapani K., Sellappan R., Jacob G., Raghavan V., Pitchaimuthu S., Sonar P., Chandar N.K., Jeong S.K., Ahamed M., Pandiaraj S., Ramamoorthy M., Grace A.N.	Thermal decomposition derived nano molybdenum nitride for robust counter electrode in dye-sensitized solar cells	Materials Today Communications	26					2.678	10.1016/j.mtcomm.2021.102070



1109	Collin M.S., Venkatraman S.K., Sriramulu M., Shanmugam S., Drweesh E.A., Elnagar M.M., Mosa E.S., Sasikumar S.	Solution combustion synthesis of functional diopside, akermanite, and merwinite bioceramics: Excellent biomineralization, mechanical strength, and antibacterial ability	Materials Today Communications	27					2.678	10.1016/j.mtcomm.2021.102365
1110	Alphonse M., Chandrasekaran R., Ramamoorthy S., Fulzele D.P., Raina R., Thiagarajan K.	Optimizing Shoot Formation in Gentiana kurroo Royle for Gentiopicroside Production	Journal of Plant Growth Regulation						2.672	10.1007/s00344-021-10352-z
1111	Guha T., Mukherjee A., Kundu R.	Nano-Scale Zero Valent Iron (nZVI) Priming Enhances Yield, Alters Mineral Distribution and Grain Nutrient Content of Oryza sativa L. cv. Gobindobhog: A Field Study	Journal of Plant Growth Regulation						2.672	10.1007/s00344-021-10335-0
1112	Dhanaselvam P.S., Kumar D.S., Ramakrishnan V.N., Ramkumar K., Balamurugan N.B.	Pressure Sensors Using Si/ZnO Heterojunction Diode	Silicon						2.670	10.1007/s12633-021-01177-2
1113	Anand I.V., Samuel T.S.A., Ramakrishnan V.N., Ram Kumar K.	Influence of trap carriers in SiO <sub>2</sub> /HfO <sub>2</sub> stacked dielectric cylindrical gate tunnel fet	Silicon						2.670	10.1007/s12633-021-01263-5

1114	Kumar P.	Performance Analysis of Double Gate Dielectric Modulation in Schottky FET as Biomolecule Sensor	Silicon					2.670	10.1007/s12633-021-01197-y
1115	Mohamed Abbas S., Elayaperumal A., Franklin Issac R., Arulvel S., Manikandan R.	Tribology Characterization of Plasma Sprayed Zirconia-Alumina and Fused Zirconia-Alumina Composite Coated Al-Si Alloy at Different Sliding Velocity and Load Conditions	Silicon					2.670	10.1007/s12633-021-01234-w
1116	Preethi S., Venkatesh M., Karthigai Pandian M., Lakshmi Priya G.	Analytical Modeling and Simulation of Gate-All-Around Junctionless Mosfet for Biosensing Applications	Silicon					2.67	10.1007/s12633-021-01301-2
1117	Giridhar D., Sakthivel G., Vijayaraghavan L., Krishnamurthy R., Kumar M.S., Gangadhar K., Kannan T.	Characterization of Single-grit Grooving Process of Silicon Carbide Ceramic Using Multisensory Approach	Silicon					2.670	10.1007/s12633-021-01331-w
1118	Kumar T.V., Venkatesh M., Muthupandian B., Priya G.L.	Charge Density Based Small Signal Modeling for InSb/AlInSb Asymmetric Double Gate Silicon Substrate HEMT for High Frequency Applications	Silicon					2.670	10.1007/s12633-021-01383-y

1119	R.G J.S., Sivasubramanian A.	High Modulation Efficient Silicon MZM with Core-based Split PN Junction Phase Shifter	Silicon					2.670	10.1007/s12633- 021-01482-w
1120	Balaji, V.R., Murugan, M., Robinson, S., Hegde, G.	Design and Analysis of Waveguide Taper for Photonic Crystal Demultiplexer	Silicon	13	11	3777	3793	2.67	10.1007/s12633- 020-00678-w
1121	Ramkumar, K., Ramakrishnan, V.N.	Investigation of Hetero Buried Oxide and Gate Dielectric PNP Tunnel Field Effect Transistors	Silicon	13	11	4101	4108	2.67	10.1007/s12633- 020-00716-7
1122	Krishnaveni D., Priya M.G.	Design of a new BUS for low power reversible computation	Computers and Electrical Engineering	89				2.663	10.1016/j.compelec eng.2020.106938
1123	Shaik A., Masilamani V.	A novel digital watermarking scheme using dragonfly optimizer in transform domain	Computers and Electrical Engineering	90				2.663	10.1016/j.compelec eng.2020.106923
1124	Suresh P., Saravanakumar U., Iwendi C., Mohan S., Srivastava G.	Field-programmable gate arrays in a low power vision system	Computers and Electrical Engineering	90				2.663	10.1016/j.compelec eng.2021.106996
1125	Jothi R., Mohanty S.K., Ojha A.	Gene expression clustering using local neighborhood-based similarity measures	Computers and Electrical Engineering	91				2.663	10.1016/j.compelec eng.2021.107032

1126	Abijah Roseline S., Geetha S.	A comprehensive survey of tools and techniques mitigating computer and mobile malware attacks	Computers and Electrical Engineering	92				2.663	10.1016/j.compeleceng.2021.107143
1127	Jain U., Mishra A., Jaganathan B., Shukla P.	Study and analysis of category based PageRank method	Wireless Networks					2.659	10.1007/s11276-021-02617-y
1128	Sathishkumar M., Samuel T.S.A., Ramkumar K., Anand I.V., Rahi S.B.	Performance evaluation of gate engineered InAs–Si heterojunction surrounding gate TFET	Superlattices and Microstructures					2.658	10.1016/j.spmi.2021.107099
1129	Leeladevi K., Arunpandian M., Kumar J.V., Chellapandi T., Thiruppathi M., Madhumitha G., Lee J.-W., Nagarajan E.R.	Fabrication of 3D pebble-like CeVO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocomposite: A visible light-driven photocatalyst for mitigation of organic pollutants	Diamond and Related Materials	116				2.650	10.1016/j.diamond.2021.108424
1130	Koduru H.K., Marinov Y.G., Kaleemulla S., Rafailov P.M., Hadjichristov G.B., Scaramuzza N.	Fabrication and characterization of magnesium—ion-conducting flexible polymer electrolyte membranes based on a nanocomposite of poly(ethylene oxide) and potato starch nanocrystals	Journal of Solid State Electrochemistry					2.647	10.1007/s10008-021-05018-5

1131	Jenova I., Venkatesh K., Karthikeyan S., Madeswaran S., Aristatil G., Moni P., Joice Sheeba D.	Solid polymer electrolyte based on tragacanth gum- ammonium thiocyanate	Journal of Solid State Electrochemistry					2.647	10.1007/s10008- 021-05016-7
1132	Krishnamurthy S., Kapeleshh K.S., Dovgan E., Luštrek M., Gradišek Piletič B., Srinivasan K., Li Y.- C., Gradišek A., Syed-Abdul S.	Machine learning prediction models for chronic kidney disease using national health insurance claim data in Taiwan	Healthcare (Switzerland)	9	5			2.645	10.3390/healthcare 9050546
1133	Kumar K.V.R., Elias S.	Real-time tracking of human neck postures and movements	Healthcare (Switzerland)	9	12			2.645	10.3390/healthcar e9121755
1134	Balan G.S., Sridharan M., Balasundaram R., Sasikaran A., Sagar M., Dinesh S., Vijayan V., Rajkumar S.	Degradation Analysis of Jute Fiber Reinforced Waste Tile Powder-Filled Polymer Composite on Wear Characteristics	International Journal of Polymer Science	2021				2.642	10.1155/2021/858 7383
1135	Palanidoss S., Thazhathu S.V., Bhaskar M.S., Kannan R., Baboli P.T.	Comprehensive review of single stage switched boost inverter structures	IET Power Electronics					2.641	10.1049/pel2.1216 6
1136	Mishachandar B., Vairamuthu S.	Diverse ocean noise classification using deep learning	Applied Acoustics	181				2.639	10.1016/j.apacoust. 2021.108141

1137	Kaliammal R., Parvathy G., Kumar R.M., Kumar M.K., Vinitha G., Sudhahar S.	Physicochemical and quantum chemical calculations on new bis (2-amino-6-methylpyridinium 3,4-dimethoxybenzoate) dihydrate organic single crystal for third order nonlinear optical applications	Chinese Journal of Physics	72		100	125	2.638	10.1016/j.cjph.2021.03.030
1138	Manoharan P., Boggavarapu P.K.L.N.	Improved whale optimization based band selection for hyperspectral remote sensing image classification	Infrared Physics and Technology	119				2.638	10.1016/j.infrared.2021.103948
1139	Kumar G.R., Muralidharan A., Rajyalakshmi G., Swaroop S.	Atom probe tomography analysis of hydrogen distribution in laser peened Ti6Al4V alloy to control hydrogen embrittlement	International Journal of Advanced Manufacturing Technology					2.633	10.1007/s00170-021-06951-5
1140	Sunny G., Rajan T.P.	Review on Areca Nut Fiber and its Implementation in Sustainable Products Development	Journal of Natural Fibers					2.622	10.1080/15440478.2020.1870623
1141	Sambathkumar S., Arunagirinathan R.S.	Fabrication of micro-mechanical planar cantilever beam-mass structures on quartz substrates using an ECDM process	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture					2.610	10.1177/09544054211040617

1142	Gurusamy M., Rao B.C.	A modified Zerilli–Armstrong constitutive model for simulating severe plastic deformation of a steel alloy	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture					2.610	10.1177/09544054211060914
1143	Jadhav P.S., Mohanty C.P.	Performance assessment of energy efficient and eco-friendly turning of Nimonic C-263: A comparative study on MQL and cryogenic machining	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture					2.610	10.1177/09544054211061961
1144	Rahman K., Menon U., V S., J R.	Removal of cadmium by heavy metal–resistant bacteria isolated from Hussain Sagar Lake—Hyderabad	Biomass Conversion and Biorefinery					2.602	10.1007/s13399-021-01354-8
1145	Barange S.H., Raut S.U., Bhansali K.J., Balinge K.R., Patle D.S., Bhagat P.R.	Biodiesel production via esterification of oleic acid catalyzed by Brønsted acid-functionalized porphyrin grafted with benzimidazolium-based ionic liquid as an efficient photocatalyst	Biomass Conversion and Biorefinery					2.602	10.1007/s13399-020-01242-7

1146	Dada T.K., Sheehan M., Murugavelh S., Antunes E.	A review on catalytic pyrolysis for high-quality bio-oil production from biomass	Biomass Conversion and Biorefinery					2.602	10.1007/s13399- 021-01391-3
1147	Liu J.-W., Sangaiah A.K.	Research on Adaptive Updating Method of Education Resource Index Based on Mobile Computing	Mobile Networks and Applications					2.602	10.1007/s11036- 021-01771-z
1148	Santhosh Kumar S.V.N., Palanichamy Y., Selvi M., Ganapathy S., Kannan A., Perumal S.P.	Energy efficient secured K means based unequal fuzzy clustering algorithm for efficient reprogramming in wireless sensor networks	Wireless Networks					2.602	10.1007/s11276- 021-02660-9
1149	Aswathy M.A., Jagannath M.	An SVM approach towards breast cancer classification from H&E- stained histopathology images based on integrated features	Medical and Biological Engineering and Computing	59	9	1773	1783	2.602	10.1007/s11517- 021-02403-0
1150	Nallagonda S., Bhowmick A., Prasad B.	Throughput performance of cooperative spectrum sensing network with improved energy detectors and SC diversity over fading channels	Wireless Networks	27	6	4039	4050	2.602	10.1007/s11276- 021-02685-0



1151	Rajasoundaran S., Kumar S.V.N.S., Selvi M., Ganapathy S., Rakesh R., Kannan A.	Machine learning based volatile block chain construction for secure routing in decentralized military sensor networks	Wireless Networks					2.602	10.1007/s11276- 021-02748-2
1152	Somasundaram, R., Thirugnanam, M.	Review of security challenges in healthcare internet of things	Wireless Networks	27	8	5503	5509	2.602	10.1007/s11276- 020-02340-0
1153	Dhanapal, A., Nithyanandam, P.	An OpenStack based cloud testbed framework for evaluating HTTP flooding attacks	Wireless Networks	27	8	5491	5501	2.602	10.1007/s11276- 019-01937-4
1154	Thillaiarasu, N., Pandian, S.C., Vijayakumar, V., Prabaharan, S., Ravi, L., Subramaniaswa my, V.	Designing a trivial information relaying scheme for assuring safety in mobile cloud computing environment	Wireless Networks	27	8	5477	5490	2.602	10.1007/s11276- 019-02113-4
1155	Sudhakar, M., Meena, M.J.	An efficient interactive segmentation algorithm using color correction for underwater images	Wireless Networks	27	8	5435	5446	2.602	10.1007/s11276- 019-02044-0
1156	Joshua, C.J., Varadarajan, V.	An optimization framework for routing protocols in VANETs: a multi-objective firefly algorithm approach	Wireless Networks	27	8	5567	5576	2.602	10.1007/s11276- 019-02072-w

1157	Padma Priya, R., Rekha, D.	Sustainability modelling and green energy optimisation in microgrid powered distributed FogMicroDataCenters in rural area	Wireless Networks	27	8	5519	5532	2.602	10.1007/s11276-019-02207-z
1158	Karmel, A., Vijayakumar, V., Kapilan, R.	Ant-based efficient energy and balanced load routing approach for optimal path convergence in MANET	Wireless Networks	27	8	5553	5565	2.602	10.1007/s11276-019-02080-w
1159	Balamurugan, M.S., Manojkumar, R.	Study of short term rain forecasting using machine learning based approach	Wireless Networks	27	8	5429	5434	2.602	10.1007/s11276-019-02168-3
1160	Prassanna, J., Venkataraman, N.	Adaptive regressive holt-winters workload prediction and firefly optimized lottery scheduling for load balancing in cloud	Wireless Networks	27	8	5597	5615	2.602	10.1007/s11276-019-02090-8
1161	Rajarajeswari, S., Neelananarayanan, V.	Dynamic rule generation and rule matching for composite environmental condition in context aware system	Wireless Networks	27	8	5577	5585	2.602	10.1007/s11276-019-02081-9

1162	Anusooya, G., Vijayakumar, V.	Reduced carbon emission and optimized power consumption technique using container over virtual machine	Wireless Networks	27	8	5533	5551	2.602	10.1007/s11276-019-02001-x
1163	Khochare A.D., Krishnan A., Simmhan Y.	A Scalable Platform for Distributed Object Tracking across a Many-camera Network	IEEE Transactions on Parallel and Distributed Systems					2.600	10.1109/TPDS.2021.3049450
1164	Mujthaba Aatif A., Selva Kumar R., Majeed S.A., Kumar S.K.A.	A turn-on fluorescent probe for Lu <sup>3+</sup> recognition and bio-imaging in live cells and zebrafish	Analytical Methods	13	2	212	221	2.596	10.1039/d0ay02060e
1165	Sivaprakash V., Narayanan R.	Anodic synthesis of TiO <sub>2</sub> nanotubes by step-up voltages	Journal of Composite Materials					2.591	10.1177/00219983211023791
1166	Umabharathi P.S., Karpagam S.	Analysis of luminescence, morphological and thermal behaviour of conjugated polymer/CdS electrospun nanofiber	Journal of Composite Materials					2.591	10.1177/00219983211007531
1167	Srikanth M., Raja Annamalai A., Muthuchamy A., Jen C.-P.	A review of the latest developments in the field of refractory high-entropy alloys	Crystals	11	6			2.589	10.3390/cryst11060612

1168	Radhakrishnan M., Ramamurthy K., Choudhury K.K., Won D., Manoharan T.A.	Performance analysis of deep learning models for detection of Autism Spectrum Disorder from EEG signals	Traitement du Signal	38	3	853	863	2.589	10.18280/ts.380332
1169	Pardhu T., Kumar V.	Novel implementations of clutter and target discrimination using threshold skewness method	Traitement du Signal	38	4	1079	1085	2.589	10.18280/ts.380418
1170	Radhakrishnan M., Ramamurthy K., Kothandaraman A., Madaan G., Machavaram H.	Investigating EEG signals of autistic individuals using detrended fluctuation analysis	Traitement du Signal	38	5	1515	1520	2.589	10.18280/ts.380528
1171	Adimoolam M., Govindharaju K., John A., Mohan S., Ahmadian A., Ciano T.	A hybrid learning approach for the stage-wise classification and prediction of COVID-19 X-ray images	Expert Systems					2.587	10.1111/exsy.12884
1172	Swati G., Morampudi M.	Size-selective and facile synthesis of ZnO/ZnS core-shell nanostructure and its characterization	Applied Physics A: Materials Science and Processing	127	6			2.584	10.1007/s00339-021-04554-1
1173	Kumar A., Imaculate Rosaline S.	Hybrid half-mode SIW cavity-backed diplex antenna for on-body transceiver applications	Applied Physics A: Materials Science and Processing	127	11			2.584	10.1007/s00339-021-04978-9

1174	Panigrahi M., Avar B.	Development of microstructural and magnetic properties of Co <sub>50</sub> Si <sub>50</sub> alloy powders during mechanical alloying approach	Applied Physics A: Materials Science and Processing	127	12			2.584	10.1007/s00339-021-05121-4
1175	Al Murad M., Razi K., Jeong B.R., Samy P.M.A., Muneer S.	Light emitting diodes (Leds) as agricultural lighting: Impact and its potential on improving physiology, flowering, and secondary metabolites of crops	Sustainability (Switzerland)	13	4	1	25	2.576	10.3390/su13041985
1176	Vathanam G.S.O., Kalyanasundaram K., Elavarasan R.M., Hussain S., Subramaniam U., Pugazhendhi R., Ramesh M., Gopalakrishnan R.M.	A review on effective use of daylight harvesting using intelligent lighting control systems for sustainable office buildings in India	Sustainability (Switzerland)	13	9			2.576	10.3390/su13094973
1177	Sannigrahi S., Arumugasamy S.K., Mathiyarasu J., Sudhakaran R., Suthindhiran K.	Detection of white spot syndrome virus in seafood samples using a magnetosome-based impedimetric biosensor	Archives of Virology					2.574	10.1007/s00705-021-05187-8
1178	Daraji D.G., Rajani D.P., Rajani S.D., Pithawala E.A., Jayanthi S., Patel H.D.	Structure based design, synthesis, and biological evaluation of imidazole derivatives targeting dihydropteroate synthase enzyme	Bioorganic and Medicinal Chemistry Letters	36				2.572	10.1016/j.bmcl.2021.127819

1179	Chatterjee M., Viswanathan P.	Long noncoding RNAs in the regulation of p53-mediated apoptosis in human cancers	Cell Biology International					2.571	10.1002/cbin.11597
1180	Nargatti K., Ahankari S.	Advances in enhancing structural and functional fatigue resistance of superelastic NiTi shape memory alloy: A Review	Journal of Intelligent Material Systems and Structures					2.569	10.1177/1045389X211023582
1181	Subramani M., Ramamoorthy M., Arumugam A.B., Selvaraj R.	Free and Forced Vibration Characteristics of CNT Reinforced Composite Spherical Sandwich Shell Panels with MR Elastomer Core	International Journal of Structural Stability and Dynamics					2.558	10.1142/S0219455421501364
1182	Gunasekaran V., Pitchaimani J., Chinnapandi L.B.M., Kumar A.	Analytical Solution for Sound Radiation Characteristics of Graphene Nanocomposites Plate: Effect of Porosity and Variable Edge Load	International Journal of Structural Stability and Dynamics	21	6			2.558	10.1142/S0219455421500875
1183	Chowdhary S., Kassa M.K., Tadesse Y.G., Arumugam A.B., Selvaraj R.	Free Vibration and Instability Analysis of Sandwich Plates with Carbon Nanotubes-Reinforced Composite Faces and Honeycomb Core	International Journal of Structural Stability and Dynamics					2.558	10.1142/S0219455421501856

1184	Vikram R.J., Kollo L., Prashanth K.G., Suwas S.	Investigating the Structure, Microstructure, and Texture in Selective Laser-Melted Sterling Silver 925	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science					2.556	10.1007/s11661-021-06471-7
1185	Thirugnanasundar A., Kesavan M.P., Mathan Kumar S., Ravi L., Bhaskar R., Rajagopal G., Rajesh J.	Synthesis, structure, DNA/protein molecular docking and biological studies of hydrazone ligand derived Cu(II) and VO(IV) complexes	Inorganica Chimica Acta	526				2.545	10.1016/j.ica.2021.120543
1186	Muthukumar P., Suresh Babu P., Karthikeyan S., Kamaraj M., Aravind J.	Tailored natural polymers: a useful eco-friendly sustainable tool for the mitigation of emerging pollutants: a review	International Journal of Environmental Science and Technology					2.540	10.1007/s13762-020-03048-6
1187	Chacko P.J., Sachidanandam M.	An optimized energy management system for vehicle to vehicle power transfer using micro grid charging station integrated Gridable Electric Vehicles	Sustainable Energy, Grids and Networks	26				2.532	10.1016/j.segan.2021.100474
1188	Prasanth A., Meher S.R., Alex Z.C.	Experimental analysis of SnO <sub>2</sub> coated LMR based fiber optic sensor for ethanol detection	Optical Fiber Technology	65				2.530	10.1016/j.yofte.2021.102618

1189	Lathabhavan R.	People and social media platforms for positive mental health- A paradigm shift: A case on COVID-19 impact form India	Asian Journal of Psychiatry	56					2.529	10.1016/j.ajp.2020.102460
1190	Bhattacharyya R., Gupta B.S.	Effect of annealed disorder on phase separation kinetics and aging phenomena in fluid mixtures	Physical Review E	104	5				2.529	10.1103/PhysRevE.104.054612
1191	Gupta D., Singh R., Ringle R., Nicoloff C.R., Rahinov I., Heber O., Zajfman D.	Particle-in-cell techniques for the study of space charge effects in an electrostatic ion beam trap	Physical Review E	104	6				2.529	10.1103/PhysRevE.104.065202
1192	David R.M., Mohammad Saadh A.W., Ali T., Kumar P.	A multiband antenna stacked with novel metamaterial scsrr and cssrr for wimax/wlan applications	Micromachines	12	2	1	14		2.523	10.3390/mi12020113
1193	Danish M., Vijay Anirudh P., Karunakaran C., Rajamohan V., Mathew A.T., Koziol K., Thakur V.K., Kannan C., Balan A.S.S.	4D printed stereolithography printed plant-based sustainable polymers: Preliminary investigation and optimization	Journal of Applied Polymer Science						2.52	10.1002/app.50903



1194	Thiagarajan V., Ramasubbu S.	Fate and Behaviour of TiO <sub>2</sub> Nanoparticles in the Soil: Their Impact on Staple Food Crops	Water, Air, and Soil Pollution	232	7			2.520	10.1007/s11270- 021-05219-8
1195	B.V. G., G. U.D.	Identifying and classifying plant disease using resilient LF-CNN	Ecological Informatics	63				2.511	10.1016/j.ecoinf.20 21.101283
1196	Raja Mohamed K.B.N., M P.R., S S., A J.R., Anderson R.	Six sigma in health-care service: a case study on COVID 19 patients' satisfaction	International Journal of Lean Six Sigma					2.511	10.1108/IJLSS-11- 2020-0189
1197	Banerjee R., Goswami P., Chakrabarti M., Chakraborty D., Mukherjee A., Mukherjee A.	Cadmium selenide (CdSe) quantum dots cause genotoxicity and oxidative stress in Allium cepa plants	Mutation Research - Genetic Toxicology and Environmental Mutagenesis	865				2.506	10.1016/j.mrgentox .2021.503338
1198	Jayaraman K., Sivakumar P.M., Zarrabi A., Sivakumar R., Jeyakumar S.	Combustion Characteristics of Nanoaluminium-Based Composite Solid Propellants: An Overview	Journal of Chemistry	2021				2.506	10.1155/2021/552 0430
1199	Suresh R., Manivannan A.	Robust stability analysis of delayed stochastic neural networks via wirtinger- based integral inequality	Neural Computation	33	1	227	243	2.505	10.1162/neco_a_0 1344
1200	Joseph A., Tadi K.K., Anju K.S., Aneesh P.M.	Structural, optical, magnetic and electrochemical properties of hydrothermally synthesized WS <sub>2</sub> nanoflakes	Journal of Materials Research					2.502	10.1557/s43578- 020-00103-3

1201	Manoj A.M., Viannie L.R., Subramaniam C.K., Raj N.A.N., Manivasagam G.	Single-step hydrothermal synthesis of nitrogen- doped ZnO nanostructures and an insight into its electrochemical properties	Journal of Materials Research					2.502	10.1557/s43578- 020-00008-1
1202	Banerjee K., Debroy M., Balla V.K., Bodhak S.	Recent progress in 3D- printed polyaryletherketone (PAEK)-based high- performance polymeric implants for musculoskeletal reconstructions	Journal of Materials Research					2.502	10.1557/s43578- 021-00231-4
1203	Singh N., Acharya S., Prashanth K.G., Chatterjee K., Suwas S.	Ti6Al7Nb-based TiB- reinforced composites by selective laser melting	Journal of Materials Research					2.502	10.1557/s43578- 021-00238-x
1204	Sarda V., Dash S.S., Mohan Varma D.S., Shaikh- Mohammed J., Sujatha S.	Design of a low-cost, reconfigurable, standing wheelchair with easy and stable sit-stand-sit transition capability	Disability and Rehabilitation: Assistive Technology					2.500	10.1080/1748310 7.2021.1978564

1205	Sridevi A., Ramji B.R., Prasanna Venkatesan G.K.D., Sugumaran V., Selvakumar P.	A facile synthesis of TiO <sub>2</sub> /BiOCl and TiO <sub>2</sub> /BiOCl/La <sub>2</sub> O <sub>3</sub> heterostructure photocatalyst for enhanced charge separation efficiency with improved UV-light catalytic activity towards Rhodamine B and Reactive Yellow 86	Inorganic Chemistry Communications	130				2.495	10.1016/j.inoche.2021.108715
1206	Venkatesan V., Selva Kumar R., Ashok Kumar S.K., Sahoo S.K.	Visible colorimetric sensing of Zn <sup>2+</sup> and CN <sup>-</sup> by diaminomaleonitrile derived Schiff's base and its applications to pharmaceutical and food sample analysis	Inorganic Chemistry Communications	130				2.495	10.1016/j.inoche.2021.108708
1207	Karuppusamy P., Sarveswari S.	Bis-Thiophene based colorimetric chemosensor for selective recognition of silver in semi-aqueous medium	Inorganic Chemistry Communications	131				2.495	10.1016/j.inoche.2021.108789
1208	Seenan S., Iyer Sathiyarayanan K.	A multisensing ratiometric fluorescent sensor for recognition of Al <sup>3+</sup> , Th <sup>4+</sup> and picric acid	Inorganic Chemistry Communications	132				2.495	10.1016/j.inoche.2021.108825
1209	John R.A.B., Ruban Kumar A.	A review on resistive-based gas sensors for the detection of volatile organic compounds using metal-oxide nanostructures	Inorganic Chemistry Communications	133				2.495	10.1016/j.inoche.2021.108893

1210	Elizabeth Sunny N., Kumar Shanmugam V.	Anti- blight effect of green synthesized pure and Ag-doped tin oxide nanoparticles from Averrhoa bilimbi fruit extract towards Xanthomonas oryzae-the leaf blight pathogen of rice	Inorganic Chemistry Communications	133				2.495	10.1016/j.inoche.2021.108866
1211	Roniboss A., Nishanth Rao R., Chanda K., Balamurali M.M.	Hydrazide derived colorimetric sensor for selective detection of cyanide ions	Inorganic Chemistry Communications	134				2.495	10.1016/j.inoche.2021.108965
1212	Shaji L.K., Ashok Kumar S.K.	Antipyrine derived Schiff's base as a colorimetric probe for the rapid and selective detection of Cu <sup>2+</sup> ions	Inorganic Chemistry Communications					2.495	10.1016/j.inoche.2021.109037
1213	Hemalatha J., Roseline S.A., Geetha S., Kadry S., Damaševičius R.	An efficient densenet-based deep learning model for Malware detection	Entropy	23	3			2.494	10.3390/e23030344
1214	Jain R., Nashine H.K., Parvaneh V.	Extended Branciari quasi-b-distance spaces, implicit relations and application to nonlinear matrix equations	Journal of Inequalities and Applications	2021	1			2.491	10.1186/s13660-021-02736-2

1215	Vani P., Vinitha G., Manikandan N.	Effect of dopants on the nonlinear optical properties of fluorotellurite glasses for optical limiting application	Physica Scripta	96	12			2.487	10.1088/1402-4896/ac1a8c
1216	Rajkumar D., Subramanyam Reddy A.	Pulsating electrically conducting flow of Au/SWCNTs-blood micropolar nanofluid in a porous channel with Ohmic heating, thermal radiation	Physica Scripta	96	12			2.487	10.1088/1402-4896/ac2e81
1217	Mathews S.A., Babu D.R.	Analysis of the role of M-type hexaferrite-based materials in electromagnetic interference shielding	Current Applied Physics	29		39	53	2.480	10.1016/j.cap.2021.06.001
1218	Sreeshma J., Sudandiradoss C.	Identification of metal binding motifs in protein frameworks to develop novel remediation strategies for Hg <sup>2+</sup> and Cr(VI)	BioMetals					2.479	10.1007/s10534-021-00300-5
1219	Nandan K.R., Lobo L.S., Murugesan G., Maruthi N., Ruban Kumar A.	Dielectric relaxation in CaMnO <sub>3</sub> ceramics synthesized by sol-gel method	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021-06185-x

1220	Hegde T.A., Girisun T.C.S., Vinitha G.	Crystal structure and physicochemical properties of a new optofunctional metal-organic cocrystal delivering intermolecular charge-transfer-enhanced nonlinear optical and optical limiting properties	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021-06364-w
1221	Manusha P., Senthilkumar S.	Development of a ferrocene-tethered ionic liquid modified electrode for non-enzymatic electrochemical sensing of NADH	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021-06576-0
1222	Panigrahi M., Avar B.	Influence of mechanical alloying on structural, thermal, and magnetic properties of Fe <sub>50</sub> Ni <sub>10</sub> Co <sub>10</sub> Ti <sub>10</sub> B <sub>20</sub> high entropy soft magnetic alloy	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021-06612-z
1223	Raju E., Jayaprakash P., Vinitha G., Devi N.S., Kumaresan S.	Growth and characterization of 2-aminopyridinium malonate single crystal for photonic device applications	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021-06614-x

1224	Sharath R.A., Rahulan K.M., Flower N.A.L., Sujatha R.A., Vinitha G., Rajeev L.R., Saha T., Prakashbabu D.	Third-order nonlinear optical characteristics of Er <sup>3+</sup> -doped BaMoO <sub>4</sub> nanostructures	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854- 021-06476-3
1225	Kiruthiga G., Raguram T., Rajni K.S., Selvakumar P., Nandhakumar E.	DSSCs: a facile and low- cost MgSnO <sub>3</sub> -based transparent conductive oxides via nebulized spray pyrolysis technique	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854- 021-06754-0
1226	Vani P., Vinitha G., Naseer K.A., Marimuthu K., Durairaj M., Sabari Girisun T.C., Manikandan N.	Thulium-doped barium tellurite glasses: structural, thermal, linear, and non-linear optical investigations	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854- 021-06787-5
1227	Narasimman S., Balakrishnan L., Alex Z.C.	Clad-modified fiber optic sensor utilizing CdS nanoflower as cladding for the detection of ethanol	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854- 021-06843-0
1228	Kumar K., Rajathi S., Charles Vincent V., Sangeetha R., Bakiyaraj G., Kirubavathi K., Selvaraju K., Vinitha G.	Experimental and theoretical investigations of propyl para- hydroxybenzoate crystal for optical applications	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854- 021-06961-9

1229	Thilaga Rajeswari B., Sathya P., Dhanasekaran P., Vinitha G., Meyvel S., Vijayalakshmi V., Aarthi J.	First-time investigation on crystal growth, optical, thermal, electrical and third-order non-linear optical activities of novel thiosemicarbazide single crystals for non-linear optical applications	Journal of Materials Science: Materials in Electronics	32	18	22984	22998	2.478	10.1007/s10854-021-06783-9
1230	Eswaramoorthy N., Kamatchi R.	Planar perovskite solar cells: eco-friendly synthesized cone-like ZnO nanostructure for efficient interfacial electron transport layer	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021-06880-9
1231	Jothibas M., Bharanidharan K., Paulson E., Elayaraja M., Kumar B.A., Muthuvel A.	Effect of co-dopant proportion on the structural, optical and magnetic properties of pristine NiO nanoparticles synthesized by Sol-gel method	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021-07361-9
1232	Raju E., Jayaprakash P., Hegde T.A., Vinitha G., Kumaresan S.	Intensity tunable optical limiting behaviour of an organic material 2-aminopyridinium succinate succinic acid single crystal	Journal of Materials Science: Materials in Electronics					2.478	10.1007/s10854-021-07282-7



1233	Rajakumar G., Mao L., Bao T., Wen W., Wang S., Gomathi T., Gnanasundaram N., Rebezov M., Shariati M.A., Chung I.-M., Thiruvengadam M., Zhang X.	Yttrium oxide nanoparticle synthesis: An overview of methods of preparation and biomedical applications	Applied Sciences (Switzerland)	11	5	1	24	2.474	10.3390/app11052 172
1234	Raffa C.M., Chiampo F., Shanthakumar S.	Remediation of metal/metalloid-polluted soils: A short review	Applied Sciences (Switzerland)	11	9			2.474	10.3390/app11094 134
1235	Prasanalakshmi B., Murugan K., Srinivasan K., Shridevi S., Shamsudheen S., Hu Y.-C.	Improved authentication and computation of medical data transmission in the secure IoT using hyperelliptic curve cryptography	Journal of Supercomputing					2.474	10.1007/s11227- 021-03861-x
1236	Tamilarasi R., Prabu S.	Automated building and road classifications from hyperspectral imagery through a fully convolutional network and support vector machine	Journal of Supercomputing	77	11	13243	13261	2.474	10.1007/s11227- 021-03954-7
1237	Ahmed S.A., John B.	Dimensionless Parameters to Identify Transition from Stratified to Non-stratified Flow Pattern in Liquid–Liquid Horizontal Pipe Flow	Flow, Turbulence and Combustion					2.472	10.1007/s10494- 021-00245-2

1238	Ashwath P., Xavior M.A., Batako A.D.	Processing, Characterization, and Properties of $\alpha$ -Al <sub>2</sub> O <sub>3</sub> - AA2900 Composites for Aerospace Brake Pad Applications	JOM					2.471	10.1007/s11837- 021-04925-2
1239	Rathore P.S., Chatterjee J.M., Kumar A., Sujatha R.	Energy-efficient cluster head selection through relay approach for WSN	Journal of Supercomputing					2.469	10.1007/s11227- 020-03593-4
1240	Pasupathi S., Shanmuganathan V., Madasamy K., Yesudhas H.R., Kim M.	Trend analysis using agglomerative hierarchical clustering approach for time series big data	Journal of Supercomputing					2.469	10.1007/s11227- 020-03580-9
1241	Kumar R.D., Julie E.G., Robinson Y.H., Vimal S., Seo S.	Recognition of food type and calorie estimation using neural network	Journal of Supercomputing					2.469	10.1007/s11227- 021-03622-w
1242	Dhasarathan C., Kumar M., Srivastava A.K., Al- Turjman F., Shankar A., Kumar M.	A bio-inspired privacy- preserving framework for healthcare systems	Journal of Supercomputing					2.469	10.1007/s11227- 021-03720-9
1243	Vimal S., Robinson Y.H., Kaliappan M., Vijayalakshmi K., Seo S.	A method of progression detection for glaucoma using K-means and the GLCM algorithm toward smart medical prediction	Journal of Supercomputing					2.469	10.1007/s11227- 021-03757-w

1244	Tang B., Ni W., Zhou J., Ling Y., Niu D., Lu X., Chen T., Ramalingam M., Hu J.	Peroxiredoxin 6 secreted by Schwann-like cells protects neuron against ischemic stroke in rats via PTEN/PI3K/AKT pathway	Tissue and Cell	73				2.466	10.1016/j.tice.2021.101635
1245	Arockiaraj M., Clement J., Paul D., Balasubramanian K.	Quantitative structural descriptors of sodalite materials	Journal of Molecular Structure	1223				2.463	10.1016/j.molstruc.2020.128766
1246	Champaka G., Senthilkumar K., David E., Shanmugan S., Palanisami N.	Monomeric zinc ferrocene carboxylate [Zn(FcCOO)(3,5-dmp)2Cl] derived from 3,5-dimethylpyrazole: structural, optical, electrochemical and antimicrobial studies	Journal of Molecular Structure	1228				2.463	10.1016/j.molstruc.2020.129749
1247	Parvathy G., Kaliammal R., Velsankar K., Vinitha G., Sankaranarayanan K., Mohan Kumar R., Sudhahar S.	Piperazinium bis (5-chlorosalicylate) – A new third order nonlinear optical single crystal	Journal of Molecular Structure	1228				2.463	10.1016/j.molstruc.2020.129728
1248	Subashini C., Kennedy L.J., Singh F.V.	Synthesis, spectral characterization and photophysical studies of tetrahydroquinolines	Journal of Molecular Structure	1226				2.463	10.1016/j.molstruc.2020.129365

1249	Shalini D., Vinothkumar P., Sathyamoorthy K., Muralimanohar P., Hegde T.A., Vinitha G., Mohapatra M., Murugasen P.	Synthesis, crystal structure and solid-state properties of 4-(3-nitrophenylamino)-4-methylpentan-2-one picrate (3NAP): An efficient cocrystal for $\chi(3)$ optics	Journal of Molecular Structure	1225				2.463	10.1016/j.molstruc.2020.129098
1250	Nivetha K., Aravinth K., Senthil K., Kalainathan S.	Evaluation of structural, spectral, thermal and optical properties of an efficient centrosymmetric organic single crystal 2-[2-(4-diethylamino-phenyl)-vinyl]-1-methyl pyridinium tetrafluoroborate for nonlinear optical applications	Journal of Molecular Structure	1225				2.463	10.1016/j.molstruc.2020.129082
1251	Kole P.B., Aggarwal H., Narra S., Vernekar A., Singh F.V.	Metal-free synthesis and single crystal X-ray analysis of 4-aryl-6-hydroxy-2H-pyran-2-cyanomethylenes	Journal of Molecular Structure	1230				2.463	10.1016/j.molstruc.2021.129913

1252	Dhanalakshmi M., Balakrishnan C., Ahamed S.R., Vinitha G., Parthiban S.	Metal-organic hybrids of tin(IV): Synthesis, crystal structure, third-order nonlinear optical properties and Hirshfeld surface analysis of bis(1,2,3,4-tetrahydroquinolinium) hexahalostannate(IV)	Journal of Molecular Structure	1237				2.463	10.1016/j.molstruc.2021.130421
1253	Dineshkumar C., Udhayakumar R., Vijayakumar V., Nisar K.S., Shukla A.	A note on the approximate controllability of Sobolev type fractional stochastic integro-differential delay inclusions with order $1 < r < 2$	Mathematics and Computers in Simulation	190		1003	1026	2.463	10.1016/j.matcom.2021.06.026
1254	Nandhini Abirami R., Durai Raj Vincent P.M., Srinivasan K., Tariq U., Chang C.-Y.	Deep CNN and Deep GAN in Computational Visual Perception-Driven Image Analysis	Complexity	2021				2.462	10.1155/2021/5541134
1255	Vijayakumar S., Ramamoorthy S.	Endophytism of Fusarium Solani in Meristems of Delonix Regia (Bojer ex Hook.) Raf.	Indian Journal of Microbiology					2.461	10.1007/s12088-021-00968-w
1256	Yuvaraj S., Manikandan N., Vinitha G.	Effect of Zn <sup>2+</sup> ions on third order nonlinear optical behavior and power limiting properties of manganese ferrite nanoparticles	Photonics and Nanostructures - Fundamentals and Applications	45				2.453	10.1016/j.photonics.2021.100922

1257	Thulasi S., Sivabalan S.	All-Fiber Femtosecond Mode-Locked Yb-Laser with Few-Mode Fiber as a Saturable Absorber	IEEE Photonics Technology Letters	33	5	223	226	2.451	10.1109/LPT.2021.3053418
1258	Parthasarathy P., Vivekanandan S.	An extensive study on the COVID-19 pandemic, an emerging global crisis: Risks, transmission, impacts and mitigation	Journal of Infection and Public Health	14	2	249	259	2.447	10.1016/j.jiph.2020.12.020
1259	Aravindan N., Sivanantha Raja A., Selvendran S., Balasubramonian M., Esakki Muthu K.	1.3 Gbps OOK modulated phosphorescent white LED using optimized lattice pre-equalization circuit in visible spectrum	Optik	242				2.443	10.1016/j.ijleo.2021.167214
1260	Girija R., Anshula, Singh H.	Security-enhanced optical nonlinear cryptosystem based on modified Gerchberg–Saxton iterative algorithm	Optik	244				2.443	10.1016/j.ijleo.2021.167568
1261	Aswaniya K., Raj M.B.J., Gowri S., Vinitha G.	Promising computational, structural, vibrational and optical properties of piperazinium bis(2-carboxypyridine)monohydrate (PBCPM) crystal for NLO device applications	Optik	246				2.443	10.1016/j.ijleo.2021.167836

1262	Kumar K., Rajathi S., Vincent V.C., Sangeetha R., Bakiyaraj G., Manivannan D., Kirubavathi K., Selvaraju K., Vinitha G.	Growth, structural, optical, z-scan, dielectric and mechanical studies of ethyl para-hydroxybenzoate crystal for optical applications	Optik	247				2.443	10.1016/j.ijleo.2021.167880
1263	D. A.K., Babu R.S.	Single crystal grown with stilbenex diphenylacetylene1-x for scintillation application	Optik	248				2.443	10.1016/j.ijleo.2021.168098
1264	Mishachandar B., Vairamuthu S.	An underwater cognitive acoustic network strategy for efficient spectrum utilization	Applied Acoustics	175				2.440	10.1016/j.apacoust.2020.107861
1265	Sivapatham S., Kar A., Ramadoss R.	Performance analysis of various training targets for improving speech quality and intelligibility	Applied Acoustics	175				2.440	10.1016/j.apacoust.2020.107817
1266	Sailesh R., Yuvaraj L., Pitchaimani J., Doddamani M., Mailan Chinnapandi L.B.	Acoustic behaviour of 3D printed bio-degradable micro-perforated panels with varying perforation cross-sections	Applied Acoustics	174				2.440	10.1016/j.apacoust.2020.107769
1267	Sambandamoorthy S., Narayanan V., Chinnapandi L.B.M., Aziz A.	Impact of fiber length and surface modification on the acoustic behaviour of jute fiber	Applied Acoustics	173				2.440	10.1016/j.apacoust.2020.107677

1268	Rahmani R., Antonov M., Prashanth K.G.	The impact resistance of highly densified metal alloys manufactured from gas-atomized pre-alloyed powders	Coatings	11	2	1	14	2.436	10.3390/coatings11020216
1269	Leeladevi K., Arunpandian M., Vinoth Kumar J., Chellapandi T., Mathumitha G., Lee J.-W., Nagarajan E.R.	CoWO <sub>4</sub> decorated ZnO nanocomposite: Efficient visible-light-activated photocatalyst for mitigation of noxious pollutants	Physica B: Condensed Matter					2.436	10.1016/j.physb.2021.413493
1270	Nashine H.K., Ibrahim R.W., Agarwal R.P.	Moments solution of fractional evolution equation found by new krasnoselskii type fixed point theorems	Fixed Point Theory	22	1	263	278	2.435	10.24193/fpt-ro.2021.1.19
1271	Ganesh Kumar P., Prabakaran R., Sakthivadivel D., Thangapandian N., Velraj R., Kim S.C.	Effect of shot blasting on droplet contact angle of carbon aided phase change nanocomposites	Surface Engineering					2.433	10.1080/02670844.2021.1873898
1272	HarishKumar R., Selvaraj C.I.	Nuciferine from <i>Nelumbo nucifera</i> Gaertn. attenuates isoproterenol-induced myocardial infarction in Wistar rats	Biotechnology and Applied Biochemistry					2.431	10.1002/bab.2194



1273	Nayak S., Maity S., Singh K.S., Nayak H.P., Dutta S.	Influence of the changes in land-use and land cover on temperature over northern and north-eastern India	Land	10	1	1	13	2.429	10.3390/land10010052
1274	Rahman G., Nisar K.S., Khan S.U., Baleanu D., Vijayakumar V.	On the weighted fractional integral inequalities for Chebyshev functionals	Advances in Difference Equations	2021	1			2.421	10.1186/s13662-020-03183-x
1275	Mohan Raja M., Vijayakumar V., Huynh L.N., Udhayakumar R., Nisar K.S.	Results on the approximate controllability of fractional hemivariational inequalities of order $1 < r < 2$	Advances in Difference Equations	2021	1			2.421	10.1186/s13662-021-03373-1
1276	Nirmal B., Mohan K., Prakasam M., Tripathi A., Mortyn P.G., Rodríguez-Sanz L.	Pleistocene surface-ocean changes across the Southern subtropical front recorded by cryptic species of <i>Orbulina universa</i>	Marine Micropaleontology	168				2.415	10.1016/j.marmicro.2021.102056
1277	Samarpita S., Doss H.M., Ganesan R., Rasool M.	Majoon Chobchini attenuates arthritis disease severity and RANKL-mediated osteoclastogenesis in rheumatoid arthritis	3 Biotech	11	10			2.406	10.1007/s13205-021-02985-4
1278	Nathanael A.J., Oh T.H.	Encapsulation of calcium phosphates on electrospun nanofibers for tissue engineering applications	Crystals	11	2	1	23	2.404	10.3390/cryst11020199

1279	Berry A., Anand N., Anandan S., Krishnan P.	High-Performance Eight-Channel Photonic Crystal Ring Resonator–Based Optical Demultiplexer for DWDM Applications	Plasmonics					2.404	10.1007/s11468-021-01463-0
1280	Vairavasundaram I., Varadarajan V., Pavankumar P.J., Kanagavel R.K., Ravi L., Vairavasundaram S.	A review on small power rating pv inverter topologies and smart pv inverters	Electronics (Switzerland)	10	11			2.397	10.3390/electronics10111296
1281	Thaseen I.S., Mohanraj V., Ramachandran S., Sanapala K., Yeo S.-S.	A hadoop based framework integrating machine learning classifiers for anomaly detection in the internet of things	Electronics (Switzerland)	10	16			2.397	10.3390/electronics10161955
1282	Velusamy B., Karunanithy K., Sauveron D., Akram R.N., Cho J.	Multi-objective function-based node-disjoint multipath routing for mobile ad hoc networks	Electronics (Switzerland)	10	15			2.397	10.3390/electronics10151781
1283	Subramanian V., Indragandhi V., Kuppusamy R., Teekaraman Y.	Modeling and analysis of pv system with fuzzy logic mppt technique for a dc microgrid under variable atmospheric conditions	Electronics (Switzerland)	10	20			2.397	10.3390/electronics10202541

1284	Sengan S., Kotecha K., Vairavasundaram I., Velayutham P., Varadarajan V., Ravi L., Vairavasundaram S.	Real-time automatic investigation of indian roadway animals by 3D reconstruction detection using deep learning for R-3D-YOLOV3 image classification and filtering	Electronics (Switzerland)	10	24			2.397	10.3390/electronics10243079
1285	Archana T., Subashini G., Grace A.N., Arivanandhan M., Jayavel R.	The effect of TEOS concentration in polysulphide electrolyte and CuS counter electrode on enhancing the performance of CdS quantum dot sensitized solar cells	Journal of Applied Electrochemistry					2.384	10.1007/s10800-021-01562-0
1286	Shaik S., Bhardwaj M., Agarwal S., Yendaluru R.S., Hasanuzzaman M., Sharma K.V.	Evaluation of Optical Transmissivity of Transparent Materials on the Performance of Solar Flat Plate Collectors	Journal of Solar Energy Engineering, Transactions of the ASME	143	5			2.384	10.1115/1.4050214
1287	Sreedhara B.M., Patil A.P., Pushparaj J., Kuntoji G., Naganna S.R.	Application of gradient tree boosting regressor for the prediction of scour depth around bridge piers	Journal of Hydroinformatics	23	4	849	863	2.376	10.2166/hydro.2021.011

1288	Budamala V., Mahindrakar A.B.	Adaptive hybrid architecture for enhancement of the complex hydroclimatic system and assessment of freshwater security	Journal of Hydroinformatics	23	5	950	965	2.376	10.2166/hydro.2021.182
1289	Kumar D., Jhavar S., Arya A., Prashanth K.G., Suwas S.	Mechanisms controlling fracture toughness of additively manufactured stainless steel 316L	International Journal of Fracture					2.374	10.1007/s10704-021-00574-3
1290	Dhanamjayulu C., Nizhal U.N., Maddikunta P.K.R., Gadekallu T.R., Iwendi C., Wei C., Xin Q.	Identification of malnutrition and prediction of BMI from facial images using real-time image processing and machine learning	IET Image Processing					2.373	10.1049/ipr2.12222
1291	Jenova I., Venkatesh K., Karthikeyan S., Madeswaran S., Arivanandhan M., Joice Sheeba D.	Characterization of solid polymer electrolyte based on gum tragacanth and lithium nitrate	Polymer-Plastics Technology and Materials					2.371	10.1080/25740881.2021.1934018
1292	Keziah S.M., Devi C.S.	Fibrinolytic and ACE Inhibitory Activity of Nattokinase Extracted from Bacillus subtilis VITMS 2: A Strain Isolated from Fermented Milk of Vigna unguiculata	Protein Journal					2.371	10.1007/s10930-021-10023-8

1293	Viswanathan T., Palanisami N.	Ferrocene/non-ferrocene conjugated linear eight- membered borasiloxanes: Structural, theoretical, optical and non-linear optical studies	Journal of Organometallic Chemistry	953				2.369	10.1016/j.jorganch em.2021.122062
1294	Mathiyazhagan J., Siva R., Jayaraj R., Madhyastha H., Kodiveri Muthukaliannan G.	Preventive Effect of Combined Zingiber officinale and Terminalia chebula against DMBA- Induced Breast Cancer Rats via mTOR Inhibition	Nutrition and Cancer					2.363	10.1080/01635581. 2021.1903948
1295	Mahajan A., Ganguly S.	An analytical model for electron tunneling in triangular quantum wells	Semiconductor Science and Technology	36	5			2.361	10.1088/1361- 6641/abec15
1296	Rajamurugan G., Krishnasamy P., Muralidharan B., Srivastava S., Paliwal P., Jha S.	Contribution of hybrid particles (BaSO <sub>4</sub> /fly ash) on the drilling and wear performance of flax/aleovera fiber composite	Particulate Science and Technology					2.356	10.1080/0272635 1.2021.1985024
1297	Carlos Iii B., Rajan P.I., Mahalakshmi S., Ramalingam R.J.	Influence of a compressive strain on the high-temperature thermoelectric properties of europium orthoferrite	Semiconductor Science and Technology	36	6			2.352	10.1088/1361- 6641/abfa2e

1298	Singh A.K., Dwivedi A.D.D., Pandey A., Chakrabarti P.	Design and implementation of an inverter and its application in ring oscillator circuits using an organic-thin-film-transistor based on an FTM-derived channel	Semiconductor Science and Technology	36	12			2.352	10.1088/1361-6641/ac274f
1299	Kameshwari A.V.S., Balakrishnan S.	Study of decoherence and memory in modified Eisert–Wilkins–Lewenstein scheme	Quantum Information Processing	20	9			2.349	10.1007/s11128-021-03216-8
1300	kameshwari A.V.S., Balakrishnan S.	Cournot and Stackelberg duopoly games in the purview of modified EWL scheme	Quantum Information Processing	20	10			2.349	10.1007/s11128-021-03281-z
1301	Vani P., Vinitha G., Sayed M.I., AlShammari M.M., Manikandan N.	Effect of rare earth dopants on the radiation shielding properties of barium tellurite glasses	Nuclear Engineering and Technology					2.341	10.1016/j.net.2021.06.009
1302	Jagannathan P., Rajkumar S., Frnda J., Divakarachari P.B., Subramani P.	Moving Vehicle Detection and Classification Using Gaussian Mixture Model and Ensemble Deep Learning Technique	Wireless Communications and Mobile Computing	2021				2.336	10.1155/2021/5590894

1303	Singh K.S., Bonthu S., Bhaskaran P.K., Purvaja R., Ramesh R.	Impact of Time Step Size on Different Cumulus Parameterization Schemes in the Numerical Simulation of a Heavy Rainfall Event Over Tamil Nadu, India	Pure and Applied Geophysics					2.335	10.1007/s00024-021-02896-8
1304	Ashwath P., Xavior M.A.	Dry Sliding Wear Behaviour of T6-Aluminium Alloy Composites Compared with Existing Aircraft Brake Pads	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-021-05770-w
1305	Noella R.S.N., Priyadarshini J.	Diagnosis of Dementia Using a Generative Deep Convolution Neural Network	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-021-05982-0
1306	Manickam A., Soundrapandiyan R., Satapathy S.C., Samuel R.D.J., Krishnamoorthy S., Kiruthika U., Haldar R.	Local Directional Extrema Number Pattern: A New Feature Descriptor for Computed Tomography Image Retrieval	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-021-06024-5
1307	Vimala D., Manikandan K.	Grid Based Energy Efficient Routing Using Dual Mobile Sinks	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-021-06134-0
1308	Robinson Y.H., Lawrence T.S., Julie E.G., Kumar R., Thong P.H., Son L.H.	Enhanced Border and Hole Detection for Energy Utilization in Wireless Sensor Networks	Arabian Journal for Science and Engineering					2.334	10.1007/s13369-021-06330-y

1309	Kumar R S., Gupta B.S.	Universality of plastic instability and mechanical yield in metallic glasses	Journal of Physics Condensed Matter	33	31			2.333	10.1088/1361-648X/ac0474
1310	Kavitha Margret M., Golden Julie E., Harold Robinson Y., Vijayanandh D., Vimal S., Kadry S., El-Sherbeeney A.M., El-Meligy M.A.	SmartPharma: Blockchain Enabled Internet of Things for Smart Pharmaceutical Traceability System	IETE Journal of Research					2.333	10.1080/03772063.2021.1994041
1311	Faazila Fathima S., Premalatha L.	Protection Strategies for AC and DC Microgrid–A Review of Protection Methods Adopted in Recent Decade	IETE Journal of Research					2.333	10.1080/03772063.2021.1990140
1312	Franklin R.V.R., Abdul Kareem P.F.	Frequency Regulation in Conventional, Deregulated and Microgrid Systems: A Review on Designs, Strategies, Techniques and Related Aspects	IETE Journal of Research					2.333	10.1080/03772063.2021.2012277



1313	Gomathi M.A., Karnan C., Sivanesan T., Christina Rhoda J., Manivannan S., Ragavendran V., Vinitha G., Prabakaran A.R.	An organic benzimidazolium benzilate (BDBA) crystal: Structural description, spectral investigations, DFT calculations, thermal, photoluminescence, linear and nonlinear optical analysis	Chemical Physics Letters	776				2.328	10.1016/j.cplett.2021.138705
1314	Raju E., Jayaprakash P., Purushothaman P., Vinitha G., Saradha Devi N., Kumaresan S.	Linear and nonlinear optical properties of 2-Aminopyridinium fumarate fumaric acid single crystal for optoelectronic device applications	Chemical Physics Letters	780				2.328	10.1016/j.cplett.2021.138941
1315	Hegde T.A., Dutta A., Sabari Girisun T.C., Vinitha G.	A novel organic-inorganic ionic cocrystal - piperazine-1,4-dium tetrachloridocuprate(II) dihydrate delivering efficient optical limiting	Chemical Physics Letters	781				2.328	10.1016/j.cplett.2021.138971
1316	Deebak B.D., Al-Turjman F.	Robust Lightweight Privacy-Preserving and Session Scheme Interrogation for Fog Computing Systems	Journal of Information Security and Applications	58				2.327	10.1016/j.jisa.2020.102689
1317	Deebak B.D., Al-Turjman F.	Privacy-preserving in smart contracts using blockchain and artificial intelligence for cyber risk measurements	Journal of Information Security and Applications	58				2.327	10.1016/j.jisa.2021.102749

1318	Venkatraman S.K., Choudhary R., Genasan K., Murali M.R., Raghavendran H.R.B., Kamarul T., Suresh A., Abraham J., Venkateswaran S., Livingston A., Swamiappan S.	Antibacterial wollastonite supported excellent proliferation and osteogenic differentiation of human bone marrow derived mesenchymal stromal cells	Journal of Sol-Gel Science and Technology					2.326	10.1007/s10971-021-05657-0
1319	Nisar K.S., Vijayakumar V.	Results concerning to approximate controllability of non-densely defined Sobolev-type Hilfer fractional neutral delay differential system	Mathematical Methods in the Applied Sciences					2.321	10.1002/mma.7647
1320	Adivi Sri Venkata R.K., Kirubanandam A., Kondooru R.	Numerical solutions of time fractional Sawada Kotera Ito equation via natural transform decomposition method with singular and nonsingular kernel derivatives	Mathematical Methods in the Applied Sciences					2.321	10.1002/mma.7672
1321	Varun Bose C.S., Udhayakumar R.	A note on the existence of Hilfer fractional differential inclusions with almost sectorial operators	Mathematical Methods in the Applied Sciences					2.321	10.1002/mma.7938

1322	Parthasarathy M., Evan Prince S.	The potential effect of phytochemicals and herbal plant remedies for treating drug-induced hepatotoxicity: a review	Molecular Biology Reports					2.316	10.1007/s11033-021-06444-4
1323	Sundararajan S., Muniyan R.	Latent tuberculosis: interaction of virulence factors in Mycobacterium tuberculosis	Molecular Biology Reports	48	8	6181	6196	2.316	10.1007/s11033-021-06611-7
1324	Kumar R.S., Saviour Devaraj A.F., Rajeswari M., Julie E.G., Robinson Y.H., Shanmuganathan V.	Exploration of sentiment analysis and legitimate artistry for opinion mining	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10480-w
1325	Acharjya D.P., Rathi R.	An extensive study of statistical, rough, and hybridized rough computing in bankruptcy prediction	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10167-2
1326	Ramesh S., Sasikala S., Paramanandham N.	Segmentation and classification of brain tumors using modified median noise filter and deep learning approaches	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10351-4
1327	Ghate V., C S.H.	Hybrid deep learning approaches for smartphone sensor-based human activity recognition	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10478-4

1328	Saman S., Narayanan S.J.	Active contour model driven by optimized energy functionals for MR brain tumor segmentation with intensity inhomogeneity correction	Multimedia Tools and Applications					2.313	10.1007/s11042-021-10738-x
1329	Acharjya D.P., Rathi R.	An integrated fuzzy rough set and real coded genetic algorithm approach for crop identification in smart agriculture	Multimedia Tools and Applications					2.313	10.1007/s11042-021-10518-7
1330	Bhuvaneshwari P., Rao A.N., Robinson Y.H.	Spam review detection using self attention based CNN and bi-directional LSTM	Multimedia Tools and Applications					2.313	10.1007/s11042-021-10602-y
1331	Shaily S., Krishnan S., Natarajan S., Periyasamy S.	Smart driver monitoring system	Multimedia Tools and Applications					2.313	10.1007/s11042-021-10877-1
1332	Narendiranath Babu T., Rajkumar E., George G., Jobai J., Rama Prabha D.	Tensile and flexural properties of Tampico fibres and E-glass fibre composites reinforced with epoxy resin	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.311	10.1177/14644207211035779

1333	Kalsoom A., Shankar A.N., Kakaravada I., Jindal P., Lakshmi V.V.K., Rajeshkumar S.	Investigation of dynamic properties of a three-dimensional printed thermoplastic composite beam containing controllable core under non-uniform magnetic fields	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.311	10.1177/14644207211045943
1334	Babu T.N., Shyam S., Kaul S., Prabha D.R.	Natural fibre composites – an alternative to plastics in the automotive industry: A review	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.311	10.1177/14644207211041622
1335	Sharma L., Tripathi L.N.	Deterministic coupling of quantum emitter to surface plasmon polaritons, Purcell enhanced generation of indistinguishable single photons and quantum information processing	Optics Communications	496				2.310	10.1016/j.optcom.2021.127139
1336	Chakraborti S., Paul R.R., Pal M., Chatterjee J., Das R.K.	Collagen deposition correlates with loss of E-cadherin and increased p63 expression in dysplastic conditions of oral submucous fibrosis	Medical Molecular Morphology					2.309	10.1007/s00795-021-00304-7

1337	Pandya C., Panicker R.R., Senjaliya P., Hareendran M.K.H., Anju P.V., Sarkar S., Bhat H., Jha P.C., Rao K.P., Smith G.S., Sivaramakrishna A.	Designing and synthesis of phosphine derivatives of Ru <sub>3</sub> (CO) <sub>12</sub> – Studies on catalytic isomerization of 1-alkenes	Inorganica Chimica Acta	518				2.304	10.1016/j.ica.2020.120211
1338	Karuppusamy P., Sarveswari S.	A simple diaminomaleonitrile based molecular probe for selective detection of Cu(II) and Zn(II) ions in semi-aqueous medium	Inorganica Chimica Acta	515				2.304	10.1016/j.ica.2020.120073
1339	De S., Selva Kumar R., Gauthaman A., Ashok Kumar S.K., Paira P., Moorthy A., Banerjee S.	Luminescent ruthenium(II)-para-cymene complexes of aryl substituted imidazo-1,10-phenanthroline as anticancer agents and the effect of remote substituents on cytotoxic activities	Inorganica Chimica Acta	515				2.304	10.1016/j.ica.2020.120066
1340	Kumar R., Tripathi R., Marchang N., Srivastava G., Gadekallu T.R., Xiong N.N.	A secured distributed detection system based on IPFS and blockchain for industrial image and video data security	Journal of Parallel and Distributed Computing	152		128	143	2.296	10.1016/j.jpdc.2021.02.022

1341	Thriveni G., Ghosh K.	Covalent functionalization in graphene nanoribbon: Theoretical modeling and sensitivity analysis	Journal of Applied Physics	129	11			2.286	10.1063/5.0044946
1342	Vincent P.M.D.R., Mahendran N., Nebhen J., Deepa N., Srinivasan K., Hu Y.-C.	Performance Assessment of Certain Machine Learning Models for Predicting the Major Depressive Disorder among IT Professionals during Pandemic times	Computational Intelligence and Neuroscience	2021				2.284	10.1155/2021/9950332
1343	Abraham Gnanadass S., Divakar Prabhu Y., Valsala Gopalakrishnan A.	Association of metabolic and inflammatory markers with polycystic ovarian syndrome (PCOS): an update	Archives of Gynecology and Obstetrics	303	3	631	643	2.283	10.1007/s00404-020-05951-2
1344	Salunke D.R., Gopalan V.	Thermal and Electrical behaviors of Boron Nitride/Epoxy reinforced polymer matrix composite—A review	Polymer Composites					2.265	10.1002/pc.25952
1345	Dhilipkumar T., Rajesh M.	Effect of using multiwall carbon nanotube reinforced epoxy adhesive in enhancing glass fiber reinforced polymer composite through cocure manufacturing technique	Polymer Composites					2.265	10.1002/pc.26091

1346	Latha N., Barathi D., Uthaya Kumar M., Vinitha G., Mani R., Atac A., Kose E.	Structural, spectral, experimental, and theoretical investigations of (E)-4-fluoro-N'-(pyridin-2-ylmethylene)benzohydrazide monohydrate	Research on Chemical Intermediates					2.262	10.1007/s11164-021-04418-6
1347	Arunachalapandi M., Roopan S.M.	Ultrasound/visible light-mediated synthesis of N-heterocycles using g-C <sub>3</sub> N <sub>4</sub> /Cu <sub>3</sub> TiO <sub>4</sub> as sonophotocatalyst	Research on Chemical Intermediates					2.262	10.1007/s11164-021-04461-3
1348	Rastogi A., Tripathi P.K., Manohar T., Manohar R.	Dielectric and electro-optical properties of nematic liquid crystal p-methoxybenzylidene p-decylaniline dispersed with oil palm leaf based porous carbon quantum dots	Journal of Dispersion Science and Technology					2.262	10.1080/01932691.2021.1981366
1349	Das A., Lee G.M.	A multi-objective stochastic solid transportation problem with the supply, demand, and conveyance capacity following the weibull distribution	Mathematics	9	15			2.258	10.3390/math9151757
1350	Shukla R., Pant R., Nashine H.K., De la Sen M.	Approximating solutions of matrix equations via fixed point techniques	Mathematics	9	21			2.258	10.3390/math9212684



1351	Joshi G.P., Alenezi F., Thirumoorthy G., Dutta A.K., You J.	Ensemble of deep learning-based multimodal remote sensing image classification model on unmanned aerial vehicle networks	Mathematics	9	22			2.258	10.3390/math922 2984
1352	Krishna Kumar S., Mohan A.M.	Porous inorganic/organic hybrid monolith-based solid sensor for the colorimetric analysis of Cu <sup>2+</sup> ions	Journal of Nanoparticle Research	23	8			2.253	10.1007/s11051- 021-05316-z
1353	Haritha K., Lakshmi B.	Homo and hetero junctionless tunnel field effect transistors for mixed signal applications: a review	Journal of Nanoparticle Research	23	10			2.253	10.1007/s11051- 021-05328-9
1354	Nalajam P.K., V R.	Microstructural porosity segmentation using machine learning techniques in wire- based direct energy deposition of AA6061	Micron	151				2.251	10.1016/j.micron. 2021.103161
1355	Annamalai M., Gurumurthy K.	Characterization of end-of- life mobile phone printed circuit boards for its elemental composition and beneficiation analysis	Journal of the Air and Waste Management Association	71	3	315	327	2.245	10.1080/10962247. 2020.1813836
1356	Chanda A., Garai H., Dey L.K., Rakočević V., Senapati T.	( $\psi$ , $\varphi$ ) -Wardowski contraction pairs and some applications	Computational and Applied Mathematics	40	8			2.239	10.1007/s40314- 021-01679-0

1357	Ramaneswaran S., Srinivasan K., Vincent P.M.D.R., Chang C.-Y.	Hybrid Inception v3 XGBoost Model for Acute Lymphoblastic Leukemia Classification	Computational and Mathematical Methods in Medicine	2021				2.238	10.1155/2021/257 7375
1358	Krishnamurthy S., Srinivasan K., Qaisar S.M., Vincent P.M.D.R., Chang C.-Y.	Evaluating Deep Neural Network Architectures with Transfer Learning for Pneumonitis Diagnosis	Computational and Mathematical Methods in Medicine	2021				2.238	10.1155/2021/803 6304
1359	Vijayakumar V., Ravichandran C., Nisar K.S., Kucche K.D.	New discussion on approximate controllability results for fractional Sobolev type Volterra-Fredholm integro-differential systems of order $1 < r < 2$	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.2277 2
1360	Seth M., Chandrasekaran N., Mukherjee A., Thomas J.	Pathogenicity of Edwardsiella tarda in Oreochromis mossambicus and treatment by Tamarindus indica seed extract	Aquaculture International					2.235	10.1007/s10499- 021-00719-0
1361	Mondal H., Chandrasekaran N., Mukherjee A., Thomas J.	Viral infections in cultured fish and shrimps: current status and treatment methods	Aquaculture International					2.235	10.1007/s10499- 021-00795-2
1362	Raghavan S., Gurunathan J.	Citrus species – a golden treasure box of metabolites that is beneficial against disorders	Journal of Herbal Medicine	28				2.221	10.1016/j.hermed.2 021.100438

1363	Vivek P., Kumar G.S., Steephen A., Jauhar R.M., Suvitha A., Rekha M., Kowsalya M., Karunagaran N., Arunkumar R.	Development of organic crystalline nature guanidinium nitrate (GuN): structural, frontier molecular orbital, optical, thermal, mechanical, theoretical and experimental SHG and Z-scan properties for NLO device uses	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-05190-w
1364	Subramaniyan @ Raja R., Subash Chandra Bose R., Arunkumar A., Vinitha G., Balasubramanian K.	Growth, optical, dielectric and mechanical properties of benzimidazolium 3,5-dinitrobenzoate single crystals	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-05050-7
1365	Vijayakanth V., Vinodhini V., Aparna A., Malavika M.S., Krishnamoorthi C.	Synthesis and magnetic hyperthermia properties of zwitterionic dopamine sulfonate ligated magnesium ferrite and zinc ferrite nanoparticles	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-05005-y
1366	Liyakath R., Ramaraj B., Shin P.-K., Santhakumar K.	Restructuring and interlayer phenomenon on tandem architecture to improve organic solar cell behaviour	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-021-05491-8

1367	Reshma L., Ramaraj B., Shin P.-K., Santhakumar K.	Spray-coated high- efficiency small molecule solar cell based on DTS[PTTH2]2: PC71BM configurations through integrated molecular and solvent engineering	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854- 021-05317-7
1368	Jebin R.P., Suthan T., Anitha T.R., Rajesh N.P., Vinitha G.	Growth and characterization of organic material 3,4- dimethoxybenzaldehyde- 2,4-dinitroaniline single crystal	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854- 020-05072-1
1369	Dhivya P., Kumar R.A., Vinitha G.	Investigations on the properties of L-proline doped imidazolinium L- tartrate (IMLT) single crystals	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854- 020-05113-9
1370	Joshi H., Kumar A.R.	Scrutiny and correlations of structural, magnetic, and dielectric properties of M-type strontium hexaferrite (SrFe <sub>12</sub> O <sub>19</sub> ) for permanent magnet applications	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854- 020-05176-8
1371	Durgababu G., Swati G., Vijayan N., Maurya K.K., Kamalesh T., Nagaraju G.J., Bhagavannarayana G.	Influence of l- Phenylalanine doping on potassium dihydrogen phosphate: crystal growth, structural, optical and mechanical traits	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854- 021-05291-0

1372	Puhan A., Bhushan B., Meena S.S., Nayak A.K., Rout D.	Surface engineered Tb and Co co-doped BiFeO <sub>3</sub> nanoparticles for enhanced photocatalytic and magnetic properties	Journal of Materials Science: Materials in Electronics	32	6	7956	7972	2.220	10.1007/s10854-021-05520-6
1373	Badma Priya D., Thirumalai D., Asharani I.V.	Influence of synthetic parameters on the enhanced photocatalytic properties of ZnO nanoparticles for the degradation of organic dyes: a green approach	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-021-05654-7
1374	Purushothaman P., Durairaj N., Mani G., Kalainathan S.	Fluorescence emission, life time, thermal properties of trans-stilbene mixed diphenylacetylene scintillator crystal	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-021-05421-8
1375	Anand S., Kalainathan S., Amrutha T.V., Senthil K., Yamada M.	Investigation on the growth, structural, optical, thermal and third-order nonlinear optical (NLO) properties of 2,3-dimethyl-N-[(E)-2,4,5-trimethoxybenzylidene] aniline (DTA) organic single crystal	Journal of Materials Science: Materials in Electronics					2.22	10.1007/s10854-021-05767-z
1376	Manohar A., Chintagumpala K., Kim K.H.	Magnetic hyperthermia and photocatalytic degradation of rhodamine B dye using Zn-doped spinel Fe <sub>3</sub> O <sub>4</sub> nanoparticles	Journal of Materials Science: Materials in Electronics	32	7	8778	8787	2.22	10.1007/s10854-021-05549-7

1377	Rajan R., Vizhi R.E.	Effect of Co <sup>3+</sup> substitution on the structural, optical, and room-temperature magnetic properties of SnO <sub>2</sub> nanoparticulates	Journal of Materials Science: Materials in Electronics	32	9	12716	12724	2.220	10.1007/s10854-021-05906-6
1378	Ananda S., Khamees H.A., Mahendra M., Kumara C., Jagadeesh Prasad D., Hegde T.A., Vinitha G.	Structural, thermal, dielectric, nonlinear optical properties and DFT investigations of a novel material 2-(6-chloropyridin-3-yl)-N'-(2,3-dihydro-1,4-benzodioxin-6-ylmethylidene)acetohydrazide for optoelectronic applications	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-021-06025-y
1379	Vediyappan S., Raja A., Jauhar R.M., Kasthuri R., Vijayan V., Pandian M.S., Perumalsamy R., Gandhiraj V.	Synthesis, crystal growth, structure, crystalline perfection, thermal, linear, and nonlinear optical investigations on 2-amino-5-nitropyridine 4-chlorobenzoic acid (1:1): a novel organic single crystal for NLO and optical limiting applications	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-021-06056-5

1380	Karthika P.C., Sharath R.A., Angeline Little Flower N., Mani Rahulan K., Vinitha G., Sasidharan M., Prakashbabu D.	Tuning the non-linear optical absorption properties of Eu <sup>3+</sup> -doped NiWO <sub>4</sub> nanostructures	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854- 021-05936-0
1381	Teekaraman Y., Kuppusamy R., Indragandhi V.	Investigations on the effect of micro-grid using improved NFIS-PID with hybrid algorithms	Computing					2.220	10.1007/s00607- 021-01006-9
1382	Amulani A., Pratap H., Thomas B.	Investigation of static and fatigue behavior of honeycomb sandwich structure: a computational approach	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	11			2.220	10.1007/s40430- 021-03195-y
1383	Waheed A., Krishna P.V., J G., Sadoun B., Obaidat M.	Learning automata and reservation based secure smart parking system: Methodology and simulation analysis	Simulation Modelling Practice and Theory	106				2.219	10.1016/j.simpat.2 020.102205
1384	Elakkiya A., Radha S., Sreeja B.S., Manikandan E.	Terahertz single dual multi-band metamaterial absorber	Pramana - Journal of Physics	95	4			2.219	10.1007/s12043- 021-02201-1
1385	Preeti, Ojjela O., Kambhatla P.K., Mebarek-Oudina F.	Shape effect of MoS <sub>2</sub> nanoparticles on entropy generation and heat transport in viscoelastic boundary layer flow	Pramana - Journal of Physics	95	4			2.219	10.1007/s12043- 021-02195-w

1386	Das S., Prusty B.R., Bingi K.	Review of adaptive decomposition-based data preprocessing for renewable generation rich power system applications	Journal of Renewable and Sustainable Energy	13	6			2.219	10.1063/5.0070140
1387	Venkatachalam N., Shanmugam L., Heltin G.C., Govindarajan G., Sasipriya P.	Enhanced Segmentation of Inflamed ROI to Improve the Accuracy of Identifying Benign and Malignant Cases in Breast Thermogram	Journal of Oncology	2021				2.206	10.1155/2021/5566853
1388	Daraji D.G., Rajani D.P., Jayanthi S., Patel H.D.	Design, synthesis, and biological evaluations of (E)-2-(1-[2-mercapto-4-methyl-1-phenyl-1H-imidazol-5-yl]ethylidene)hydrazinecarbothioamide derivatives as antimicrobial agents	Journal of Heterocyclic Chemistry					2.193	10.1002/jhet.4378
1389	Vimal K.E.K., Kandasamy J., Duque A.A.	Integrating sustainability and remanufacturing strategies by remanufacturing quality function deployment (RQFD)	Environment, Development and Sustainability					2.191	10.1007/s10668-020-01211-0
1390	M M., S S., A S.R., K E.M.	Photonic crystal based narrowband optical filter: A brief analysis	Optik	228				2.187	10.1016/j.ijleo.2020.166162



1391	Sivasankari B., Roopan S.M.	L-Malic acid-doped Guanidinium Carbonate crystal: A New NLO Material and its photoluminescence study	Optik	226				2.187	10.1016/j.ijleo.2020.165909
1392	D S., T S.	Design of an all optical encoder/decoder using cross-layered 2D PCRR	Optik	231				2.187	10.1016/j.ijleo.2021.166387
1393	Palanisamy P., Pavadai P., Arunachalam S., Pandian S.R.K., Ravishankar V., Govindaraj S., Somasundaram B., Panneerselvam T., Kunjiappan S.	Removal of water and their soluble materials from fuels using Moringa oleifera loaded keratin-co-sodium acrylate hydrogel	Journal of Porous Materials					2.183	10.1007/s10934-020-01015-7
1394	Jothi S., Vuppu S.	An industrial perspective fermentative bioreduction of aromatic ketones by <i>Penicillium rubens</i> VIT SS1 and <i>Penicillium citrinum</i> VIT SS2	Biocatalysis and Biotransformation					2.181	10.1080/10242422.2021.1963239
1395	George K., Kannadasan S.	Advancements in the functionalization of aryl c-sp <sup>2</sup> and alkyl c-sp <sup>3</sup> of toluene derivatives via c-h activation	Current Organic Chemistry	25	15	1783	1822	2.180	10.2174/1385272825666210608114300

1396	Sunden B., Meyer J., Dirker J., John B., Mukkamala Y.	Local Measurements in Heat Exchangers: A Systematic Review and Regression Analysis	Heat Transfer Engineering					2.172	10.1080/0145763 2.2021.1989836
1397	Beckwith C., Naicker H.S., Mehta S., Udupa V.R., Nim N.T., Gadre V., Pearce H., Mac G., Gupta N.	Needle in a Haystack: Detecting Subtle Malicious Edits to Additive Manufacturing G-code Files	IEEE Embedded Systems Letters					2.169	10.1109/LES.202 1.3129108
1398	Jeevanandam V., Osborne J.	Understanding the fundamentals of microbial remediation with emphasize on metabolomics	Preparative Biochemistry and Biotechnology					2.162	10.1080/10826068. 2021.1946694
1399	Palani Rajan T., Kandhavadi P., Periyasamy A.P.	Influence of Porosity and Yarn Linear Density on the Thermal Behaviour of Polyester Warp Knitted Spacer Fabrics	Fibers and Polymers					2.153	10.1007/s12221- 021-0707-5
1400	Im Y.M., Nathanael A.J., Jung M.H., Lee S.O., Oh T.H.	Effect of Polyethylene Glycol on Melt Spinning of Poly(Acrylonitrile-co-1- Vinylimidazole)	Fibers and Polymers					2.153	10.1007/s12221- 021-0180-1
1401	Seok H.-W., Ansari K., Panachai C., Jamjareegulgarn P.	Individual performance of multi-GNSS signals in the determination of STEC over Thailand with the applicability of Klobuchar model	Advances in Space Research					2.152	10.1016/j.asr.202 1.11.025

1402	V.K V., Patel D.K., Roy S., Goli S., Roy A.	Investigations into transient wakes behind a custom airfoil undergoing pitching motion	European Journal of Mechanics, B/Fluids	85		193	213	2.131	10.1016/j.euromechflu.2020.09.015
1403	Roy S., Hu J., Ummal Momeen M.	Novel e-SIL with embedded cone structure for the enhancement of photon collection efficiency from nitrogen–vacancy center in diamond	Optics Communications	481				2.125	10.1016/j.optcom.2020.126532
1404	Lokesh Reddy B., Ramachandran P., Nelleri A.	Compressive complex wave retrieval from a single off-axis digital Fresnel hologram for quantitative phase imaging and microlens characterization	Optics Communications	478				2.125	10.1016/j.optcom.2020.126371
1405	Rajanna H., Ghosh K.	Minimization of bandstructure dependent dark current in InAs/GaAs quantum dot photodetectors	Superlattices and Microstructures	156				2.120	10.1016/j.spmi.2021.106919
1406	Kosiba K., Prashanth K.G., Scudino S.	Phase formation, microstructure and mechanical properties of mg67 ag33 as potential biomaterial	Metals	11	3	1	10	2.117	10.3390/met11030461
1407	Mannarmannan M., Biswas K.	Phytochemical-Assisted Synthesis of Cuprous Oxide Nanoparticles and Their Antimicrobial Studies	ChemistrySelect	6	14	3534	3539	2.109	10.1002/slct.202004471

1408	Patel K.R., Brahmbhatt J.G., Pandya P.A., Bhadresha K., Daraji D.G., Patel H.D., Rawal R.M., Baran S.K., Jayanthi S.	Design, Synthesis and Biological Evaluation of Novel 5-Phenyl-5- (thiophen-2-yl)-4H-1,2,4- triazole-3-thiols as an Anticancer Agent	ChemistrySelect	6	13	3240	3255	2.109	10.1002/slct.20210 0025
1409	Roy S., Thirumoorthy K., Padidela U.K., Vairaprakash P., Anoop A., Thimmakondur V.S.	Organomagnesium Crown Ethers and Their Binding Affinities with Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> , Be <sup>2+</sup> , Mg <sup>2+</sup> , and Ca <sup>2+</sup> Ions – A Theoretical Study	ChemistrySelect	6	33	8782	8790	2.109	10.1002/slct.20210 2317
1410	Sekar A., Muthurakku U.R., Sivaperuman K.	An Overview on Recent Trends in Deep- Ultraviolet (DUV) and Ultraviolet (UV) Nonlinear Optical Crystals	ChemistrySelect	6	39	10688	10716	2.109	10.1002/slct.2021 01065
1411	Anjitha T.B., Shanmugam P., Ethiraj K.R.	One-Pot Synthesis of Flavonol Esters and Benzamides via Unusual Base Catalyzed Partial Ring-Opening- Esterification and Amidation of Flavonols	ChemistrySelect	6	43	12074	12081	2.109	10.1002/slct.20210 3083
1412	Selvendran S., Das S., Waidha K., Venkatesan S., Balamurali M.M., Basu B., Rajendran S.	Pyrrole-Fused Benzoxazinones/Quinoxali nones: Molecular Dynamic Simulation, Antiproliferative and Antibacterial Activities	ChemistrySelect	6	40	10872	10882	2.109	10.1002/slct.20210 3015

1413	Rajasekhar S., Das S., Balamurali M.M., Chanda K.	Therapeutic Inhibitory Activities of N-Hydroxy Derived Cytidines: A Patent Overview	ChemistrySelect	6	48	13786	13808	2.109	10.1002/slct.2021 02856
1414	Baradarani F., Emami S., Mostafapour A., Md F.K.	Influence of ultrasonic vibration on the microstructure and texture evolution of AZ91 magnesium alloy during ultrasonic-assisted friction stir welding	Welding in the World					2.103	10.1007/s40194- 021-01157-5
1415	Kalathinathan P., Kodiveri Muthukaliannan G.	Characterisation of a potential probiotic strain Paracoccus marcusii KGP and its application in whey bioremediation	Folia Microbiologica					2.099	10.1007/s12223- 021-00886-w
1416	Arul Xavier Stango S., Vijayalakshmi U.	Electrolytic deposition of composite coatings on 316L SS and its in vitro corrosion resistive behavior in simulated body fluid solution	Chemical Papers					2.097	10.1007/s11696- 021-01657-0
1417	Pandeswari P.B., Sabareesh V.	An ESI Q-TOF study to understand the impact of arginine on CID MS/MS characteristics of polypeptides	International Journal of Mass Spectrometry	459				2.090	10.1016/j.ijms.2020 .116453
1418	Kumar A., Kumar M., Jindal S.K., Raghuwanshi S.K., Choudhary R.	Implementation of all- optical 1 × 4 memory register unit using the micro-ring resonator structures	Optical and Quantum Electronics	53	9			2.084	10.1007/s11082- 021-03131-3

1419	Anand Kumar D., Sangeetha R.G.	Power series based gamma–gamma fading MIMO/FSO link analysis with atmospheric turbulence and pointing errors	Optical and Quantum Electronics	53	9			2.084	10.1007/s11082- 021-03103-7
1420	Karthigeyan K.A., Radha S., Manikandan E.	Numerical analysis of substrate thickness and its etching effect on broadband/narrowband terahertz metamaterial	Optical and Quantum Electronics	53	12			2.084	10.1007/s11082- 021-03337-5
1421	Madanu R., Rahman F., Abbod M.F., Fan S.-Z., Shieh J.-S.	Depth of anesthesia prediction via EEG signals using convolutional neural network and ensemble empirical mode decomposition	Mathematical Biosciences and Engineering	18	5	5047	5068	2.080	10.3934/mbe.2021 257
1422	Kumaresan P.L., Pasupathi S., Lingaswamy S., Thangaswamy S., Shunmuganathan V., Pelusi D.	Fruit-fly optimization based feature integration in image retrieval	Mathematical Biosciences and Engineering	18	5	6178	6197	2.08	10.3934/mbe.2021 309
1423	Kolisetty V.V., Rajput D.S.	Big data integration enhancement based on attributes conditional dependency and similarity index method	Mathematical Biosciences and Engineering	18	6	8661	8682	2.08	10.3934/mbe.2021 429

1424	Dhilipkumar T., Rajesh M.	Enhancing shear strength and structural stiffness of composite joint with carbon nanotube reinforced adhesive through co-bonding technique	Journal of Adhesion Science and Technology					2.077	10.1080/01694243.2021.2002066
1425	Kumar S.U., Sankar S., Kumar D.T., Younes S., Younes N., Siva R., Doss C.G.P., Zayed H.	Molecular dynamics, residue network analysis, and cross-correlation matrix to characterize the deleterious missense mutations in GALE causing galactosemia III	Cell Biochemistry and Biophysics					2.073	10.1007/s12013-020-00960-z
1426	Vignesh V., Nirmala R., Srinivasan M., Ramasamy P., Navamathavan R., Kim H.Y.	Directionally Controlled Growth of Fe-Anchored Carbon Fibers by the Electrospinning Process	ECS Journal of Solid State Science and Technology	10	9			2.070	10.1149/2162-8777/ac26d5
1427	Ashika S.A., Balamurugan S., Fathima T.K.S., Shri K.M., Palanisami N.	Combustion synthesis of cuo nanomaterials: Effect of different fuels on the structural, thermal, and optical properties	ECS Journal of Solid State Science and Technology	10	11			2.070	10.1149/2162-8777/ac31ce
1428	Yoganandan N., Purushothaman Y., Choi H., Jebaseelan D., Baisden J.	Biomechanical effects of uncinat process excision in cervical disc Arthroplasty	Clinical Biomechanics	89				2.063	10.1016/j.clinbiomech.2021.105451

1429	Lathabhavan R.	Covid-19 Effects on Psychological Outcomes: How Do Gender Responses Differ?	Psychological Reports					2.053	10.1177/00332941211040428
1430	Annamalai C., Seth R., Viswanathan P.	Ferrototoxicity and Its Amelioration by Calcitriol in Cultured Renal Cells	Analytical Cellular Pathology	2021				2.052	10.1155/2021/6634429
1431	Lavanya K., Vimala Devi K., Subramaniam M.	Quality of experience (QOE) content aware hybrid lean predictive models for medical video transmission over Internet of things (IOT) networks	International Journal of Communication Systems					2.047	10.1002/dac.4833
1432	Jerart Julius L., Manimegalai D., Asha Beaula C., Joshan Athanesious J., Andrew Roobert A.	Advanced nonlinear equalizer for Filter Bank Multicarrier-based Long Reach-Passive Optical Network system	International Journal of Communication Systems					2.047	10.1002/dac.4921
1433	Malathy E.M., Thanikachalam V., Ruby D., Manikandan N.	Metamaterial-loaded multiband antenna for embedded automotive Internet-of-Things communications	International Journal of Communication Systems					2.047	10.1002/dac.4941
1434	Rengasamy R., RajeshKumar V., Phani Kumar K.V.	An electrically small inverted L-shaped asymmetric coplanar strip-fed antenna with split-ring resonator for multiband applications	International Journal of Communication Systems					2.047	10.1002/dac.4983



1435	Calvin Samuel S., Chodancar Y., Kanther S., Arivarasu M., Prabhu T.R.	High-temperature dry sliding wear behavior of Ti- 10V-2Fe-3Al	Journal of Tribology	143	12			2.045	10.1115/1.4050015
1436	Priyadharshni M., Raj Gupta A., Nithish Kumar V., Kumaravel S.	An error efficient and low complexity approximate multi-bit adder for image processing applications	International Journal of Circuit Theory and Applications					2.038	10.1002/cta.3074
1437	Beyanagari S.R., Kandasamy J.	A comparative study on the mechanical and tribological characteristics of AA7075/h-BN and AA7075/h-BN/MoS2 hybrid nano-composites produced using stir- squeeze casting process	Surface Topography: Metrology and Properties	9	3			2.038	10.1088/2051- 672X/ac1915
1438	Beyanagari S.R., Kandasamy J.	Tribological performance evaluation of h-BN nanoparticle reinforced AA 7075 and as-cast AA7075 using Taguchi and genetic algorithm	Surface Topography: Metrology and Properties	9	4			2.038	10.1088/2051- 672X/ac2795

1439	Sri Maha Vishnu D., Sure J., Vasant Kumar R., Schwandt C.	Factors Controlling the Synthesis of Porous Ti-Based Biomedical Alloys by Electrochemical Deoxidation in Molten Salts	Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science					2.035	10.1007/s11663-021-02126-5
1440	Mahajan A., Solanki R., Sivadas N.	Estimation of undetected symptomatic and asymptomatic cases of COVID-19 infection and prediction of its spread in the USA	Journal of Medical Virology					2.021	10.1002/jmv.26897
1441	Lakshmi N.V., Tambe P., Panda B.	Surface modified iron oxide (Fe <sub>3</sub> O <sub>4</sub> ) nanosheets reinforced PVDF nanocomposites: influence on morphology, thermal and magnetic properties	Plastics, Rubber and Composites					2.021	10.1080/14658011.2021.1966248
1442	Prateek G., Sarthak D., Vasudevan R., Haboussi M., Ganapathi M.	Large Amplitude Free Vibration Analysis of Isotropic Curved Nano/Microbeams Using a Nonlocal Sinusoidal Shear Deformation Theory-Based Finite Element Method	International Journal of Structural Stability and Dynamics					2.015	10.1142/S0219455421500747

1443	Vinay V.C., Varma D.S.M., Chandan M.R., Sivabalan P., Jaiswal A.K., Swetha S., Kaczmarek B., Sionkowska A.	Study of silver nanoparticle-loaded auxetic polyurethane foams for medical cushioning applications	Polymer Bulletin						2.014	10.1007/s00289-021-03705-x
1444	Devi Priya D., Lakshman C., Roopan S.M.	A review on various aspects of organic synthesis using Comins' reagent	Molecular Diversity						2.013	10.1007/s11030-020-10175-2
1445	Krishnasamy P., Rajamurugan G., Muralidharan B., Arbat A.P., Kishorkumar B.P.	Effect of S-2304 wire-mesh angle in hemp/flax composite on mechanical and twist drilling surface response analysis	Journal of Industrial Textiles						2.010	10.1177/1528083720988477
1446	Singh A.K., Ghalib M.R.	KM-LA: knowledge-based mining for linear analysis of inconsistent medical data for healthcare applications	Personal and Ubiquitous Computing						2.000	10.1007/s00779-020-01509-w
1447	Subramani P., Al-Turjman F., Kumar R., Kannan A., Loganathan A.	Improving medical communication process using recurrent networks and wearable antenna s11 variation with harmonic suppressions	Personal and Ubiquitous Computing						2.000	10.1007/s00779-021-01526-3
1448	Monica K.M., Parvathi R.	Hybrid FOW—a novel whale optimized firefly feature selector for gait analysis	Personal and Ubiquitous Computing						2.000	10.1007/s00779-021-01525-4

1449	Satapathy S.K., Mishra S., Mallick P.K., Chae G.-S.	ADASYN and ABC- optimized RBF convergence network for classification of electroencephalograph signal	Personal and Ubiquitous Computing					2.000	10.1007/s00779- 021-01533-4
1450	Kumar A., Abhishek K., Nerurkar P., Khosravi M.R., Ghalib M.R., Shankar A.	Big data analytics to identify illegal activities on Bitcoin Blockchain for IoMT	Personal and Ubiquitous Computing					2.000	10.1007/s00779- 021-01562-z
1451	Natarajan D., Sankaralingam E., Balraj K., Karuppusamy S.	A deep learning framework for glaucoma detection based on robust optic disc segmentation and transfer learning	International Journal of Imaging Systems and Technology					2.000	10.1002/ima.22609
1452	Kulkarni P., Madathil D.	Echocardiography image segmentation using semi- automatic numerical optimisation method based on wavelet decomposition thresholding	International Journal of Imaging Systems and Technology					2.000	10.1002/ima.22631
1453	Selvaraj R., Gupta K., Singh S.K., Patel A., Ramamoorthy M.	Free vibration characteristics of multi- core sandwich composite beams: Experimental and numerical investigation	Polymers and Polymer Composites	29	9_suppl	S1414	S1423	2.000	10.1177/0967391 1211057679

1454	Navaneethakrishna M., Vairamuthu S., Parthasarathy G., Cristin R.	Atom search-jaya-based deep recurrent neural network for liver cancer detection	IET Image Processing	15	2	337	349	1.995	10.1049/ipr2.12019
1455	Chaki J.	Shadow detection from images using fuzzy logic and PCPerturNet	IET Image Processing					1.995	10.1049/ipr2.12221
1456	Jyothilekshmi I., Jayaprakash N.S.	Trends in Monoclonal Antibody Production Using Various Bioreactor Syst	Journal of microbiology and biotechnology	31	3	349	357	1.992	10.4014/jmb.1911.11066
1457	Ramachandran D., R. P.	A novel domain and event adaptive tweet augmentation approach for enhancing the classification of crisis related tweets	Data and Knowledge Engineering					1.992	10.1016/j.datak.2021.101913
1458	Bal D.K., Bhasarkar J.B.	Adsorptive degradation of hexavalent chromium from aqueous solution using coconut shell as a green adsorbent	Environmental Progress and Sustainable Energy					1.989	10.1002/ep.13594
1459	Kumaran G., Sivaram R., Ramachandra Prasad V., Anwar Beg O., Sharma R.P.	Finite difference computation of free magneto-convective Powell-Eyring nanofluid flow over a permeable cylinder with variable thermal conductivity	Physica Scripta	96	2			1.985	10.1088/1402-4896/abd121

1460	Sreenivasulu P., Poornima T., Malleswari B., Reddy N.B., Souayah B.	Internal energy activation stimulus on magneto-bioconvective Powell-Eyring nanofluid containing gyrotactic microorganisms under active/passive nanoparticles flux	Physica Scripta	96	5			1.985	10.1088/1402-4896/abeb33
1461	Kothapudi V.K., Kumar V.	Hybrid-fed shared aperture antenna array for X/K-band airborne synthetic aperture radar applications	IET Microwaves, Antennas and Propagation	15	1	93	102	1.972	10.1049/mia2.12024
1462	Loganathan P., Mahindrakar A.B.	Intercomparison of statistical downscaling models: a case study of a large-scale river basin	Climate Research	83		147	159	1.972	10.3354/cr01642
1463	Honglian S., Thilak K.D., Seetharam T.G.	Research on plantar pressure dynamic distribution characteristics of samba step movements based on biomechanics	Connection Science	33	4	1011	1027	1.971	10.1080/09540091.2020.1806205
1464	Swain A.K., Nayak A.K., Mhin S., Han H.	Room-temperature ferromagnetic organic magnets derived from fluoro-graphite via facile halide exchange	International Journal of Applied Ceramic Technology					1.968	10.1111/ijac.13833
1465	Sahu M.K., Bishnoi S., Swati G., Jayasimhadri M., Haranath D.	Thermally stable Mn <sup>2+</sup> -activated zinc silicate nanophosphor for speedy recognition of high-contrast latent fingerprints	International Journal of Applied Ceramic Technology					1.968	10.1111/ijac.13926

1466	Liu X., Melwin G., Gandhi M.S.A., Fu H.Y., Babu P.R., Senthilnathan K., Li Q.	Ultrahigh sensitive surface plasmon sensor using a nanofilm coated D-type photonic crystal fiber	Applied Optics	60	9	2591	2598	1.961	10.1364/AO.418191
1467	Lakshmi Prasad B.S., Raja Annamalai A.	Effect of Rhenium addition on tungsten heavy alloys processed through spark plasma sintering	Ain Shams Engineering Journal					1.949	10.1016/j.asej.2021.02.022
1468	Kumar A.N., Raglend I.J.	Multi-objective Control of Multi-Operational Grid-Integrated Inverter for PV Integration and Power Quality Service	Ain Shams Engineering Journal					1.949	10.1016/j.asej.2021.01.036
1469	Karimulla S., Ravi K.	Solving multi objective power flow problem using enhanced sine cosine algorithm	Ain Shams Engineering Journal					1.949	10.1016/j.asej.2021.02.037
1470	Surendran P., Lakshmanan A., Priya S.S., Geetha P., Rameshkumar P., Kannan K., Hegde T.A., Vinitha G.	Fluorescent carbon quantum dots from Ananas comosus waste peels: A promising material for NLO behaviour, antibacterial, and antioxidant activities	Inorganic Chemistry Communications	124				1.943	10.1016/j.inoche.2020.108397

1471	Thangaraj V., Chang J.-H., Shkir M., Mohanraj K., Thirumalai K., Swaminathan M., Sumathi S., Valarmathi N., Rajendran C., Arun A.	Sol-gel synthesis, characterization, dielectric and anti-bacterial properties of soft ferromagnetic oxide system $Gd_{4-x}Sr_{1+x}Fe_{5-x}Zn_xO_{14+\delta}$ [ $0 \leq x \leq 0.45$ ]	Inorganic Chemistry Communications	125				1.943	10.1016/j.inoche.2 020.108432
1472	Selva Kumar R., Ashok Kumar S.K.	Highly selective phenanthroline based light-up fluorescent probe for monitoring Zr(IV) in aqueous medium	Inorganic Chemistry Communications	125				1.943	10.1016/j.inoche.2 020.108406
1473	Moharana P., Ghosh D., Paira P.	Drive to organoruthenium and organoiridium complexes from organoplatinum: Next- generation anticancer metallotherapeutics	Inorganic Chemistry Communications	124				1.943	10.1016/j.inoche.2 020.108364
1474	Mathew S.S., Sunny N.E., Shanmugam V.	Green synthesis of anatase titanium dioxide nanoparticles using Cuminum cyminum seed extract; effect on Mung bean ( <i>Vigna radiata</i> ) seed germination	Inorganic Chemistry Communications	126				1.943	10.1016/j.inoche.2 021.108485
1475	Chellammal Gayathri R., Elakkiya V., Sumathi S.	Effect of method of preparation on the photocatalytic activity of $NiAl_2O_4$	Inorganic Chemistry Communications	129				1.943	10.1016/j.inoche.2 021.108634



1476	Venkatachalam V., Ganapathy S., Subramani T., Perumal I.	Aqueous CdTe colloidal quantum dots for bio- imaging of Artemia sp	Inorganic Chemistry Communications	128					1.943	10.1016/j.inoche.2 021.108510
1477	Joseph J., Deshmukh K., Raj A.N., Pasha S.K.K.	Electromagnetic Interference Shielding Characteristics of SrTiO <sub>3</sub> Nanoparticles Induced Polyvinyl Chloride and Polyvinylidene Fluoride Blend Nanocomposites	Journal of Inorganic and Organometallic Polymers and Materials						1.941	10.1007/s10904- 021-01959-6
1478	Prathap S., Madhuri W.	Effect of Cobalt on Microwave Sintered Pb <sub>1-x</sub> CoxFe <sub>2</sub> O <sub>9</sub> (x=0.25, 0.50 and 0.75) Nanoparticles: Structural and Dielectric Studies	Journal of Electronic Materials						1.938	10.1007/s11664- 021-09209-8
1479	Sathyakam P.U., Bhattacharjee S., Raj S.	Crosstalk Analysis of Triangular CNT Bundle Interconnects	Journal of Electronic Materials						1.938	10.1007/s11664- 021-09218-7
1480	Elakkiya A., Radha S., Sreeja B.S., Manikandan E.	An Ultrathin Microwave Metamaterial Absorber for C, X, and Ku Band Applications	Journal of Electronic Materials						1.938	10.1007/s11664- 021-09251-6
1481	Patel V.D., Dhar R., Gandhi N., Meher S.R., Gupta D.	Solution-Processed Copper Oxide Thin Film as Efficient Hole Transport Layer for Organic Solar Cells	Journal of Electronic Materials						1.938	10.1007/s11664- 021-09313-9

1482	Narendra M., Valarmathi M.L., Anbarasi L.J.	Watermarking techniques for three-dimensional (3D) mesh models: a survey	Multimedia Systems					1.935	10.1007/s00530- 021-00860-z
1483	Pranav M.V., Shreyas Madhav A.V., Meena J.	DeepRecog: Threefold underwater image deblurring and object recognition framework for AUV vision systems	Multimedia Systems					1.935	10.1007/s00530- 021-00851-0
1484	Chandra Sekar P., Chandrasekhar G., Rajasekaran R.	Hydrophobic Residues Confer the Helicity and Membrane Permeability of Ocellatin-1 Antimicrobial Peptide Scaffold Towards Therapeutics	International Journal of Peptide Research and Therapeutics					1.931	10.1007/s10989- 021-10265-1
1485	Priya S., Umadevi T., Gowri S., Vinitha G.	Computational molecular structure analysis, electronic properties (HOMO-LUMO, MEP), Hirshfeld surface analysis and third order nonlinear optical profiling of ninhydrin derivative with Z-scan studies	Computational and Theoretical Chemistry	1202				1.926	10.1016/j.comptc.2 021.113345
1486	Sendrayaperuma I A., Mahapatra S., Parida S.S., Surana K., Balamurugan P., Natrayan L., Paramasivam P.	Energy Auditing for Efficient Planning and Implementation in Commercial and Residential Buildings	Advances in Civil Engineering	2021				1.924	10.1155/2021/190 8568

1487	Loganathan P., Mahindrakar A.B.	Intercomparing the robustness of machine learning models in simulation and forecasting of streamflow	Journal of Water and Climate Change	12	5	1824	1837	1.900	10.2166/wcc.2020.365
1488	Loganathan P., Mahindrakar A.B.	Statistical downscaling using principal component regression for climate change impact assessment at the Cauvery river basin	Journal of Water and Climate Change	12	6	2314	2324	1.900	10.2166/wcc.2021.223
1489	Dasaradhan C., Nawaz Khan F.-R.	Synthesis of 2, 4-Disubstituted Quinazolines via One-Pot Three-Component Assembly	Polycyclic Aromatic Compounds					1.894	10.1080/10406638.2021.1876112
1490	Pitchai M., Teja C., Nawaz Khan F.-R.	Montmorillonite Catalyzed Tandem Synthesis of 1,1,3-Trisubstituted-1H-Isochromenes from 3-Phenylisochromenones	Polycyclic Aromatic Compounds					1.894	10.1080/10406638.2021.1898991
1491	Deepa N., Prabadevi B., Srivastava G.	Integrated Ranking Algorithm for Efficient Decision Making	International Journal of Information Technology and Decision Making					1.894	10.1142/S0219622021500152

1492	Venkatesh S.N., Sugumaran V.	A combined approach of convolutional neural networks and machine learning for visual fault classification in photovoltaic modules	Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability					1.891	10.1177/1748006X211020305
1493	Sain A., Sen P., Venkataraman K., Vijayalakshmi M.A.	Expression of a Tagless Single-Chain Variable Fragment (scFv) of Anti-TNF- $\alpha$ by a Salt Inducible System and its Purification and Characterization	Protein and peptide letters	28	11	1272	1280	1.89	10.2174/0929866528666210922141402
1494	Suganthi V., Ethiraj S., Anbalagan N., Siddique J.F., Vaithilingam M.	Encapsulation of Purified Pediocin of <i>Pediococcus pentosaceus</i> into Liposome Based Nanovesicles and its Antilisterial Effect	Protein and peptide letters	28	10	1115	1126	1.89	10.2174/2666255814666210617145058
1495	Sankaran S., Rangarajan S.	Optimal Heating Method for Simultaneous Estimation of Thermal Conductivity and Diffusivity in Transient Hot-Strip Method	IEEE Transactions on Components, Packaging and Manufacturing Technology	11	2	241	248	1.889	10.1109/TCPMT.2020.3032877
1496	Doshi S., Katoch A., Suresh A., Razak F.A., Datta S., Madhavan S., Zanhar C.M., Gundabattini E.	A Review on Vibrations in Various Turbomachines such as Fans, Compressors, Turbines and Pumps	Journal of Vibration Engineering and Technologies					1.889	10.1007/s42417-021-00313-x

1497	Azad H., Deepak A., Azad A.	LOD search engine: A semantic search over linked data	Journal of Intelligent Information Systems					1.888	10.1007/s10844-021-00687-0
1498	Krithika A., Gayathri K.V., Kumar D.T., Doss C.G.P.	Mixed azo dyes degradation by an intracellular azoreductase enzyme from alkaliphilic Bacillus subtilis: a molecular docking study	Archives of Microbiology					1.884	10.1007/s00203-021-02299-2
1499	Srinivasan S., Dhinesh B.L.D.	A bio-inspired defensive rumor confinement strategy in online social networks	Journal of Organizational and End User Computing	33	1	47	70	1.882	10.4018/JOEUC.2021010103
1500	Kumar T.R.S., Vinoy K.J.	A Miniaturized Angularly Stable FSS for Shielding GSM 0.9, 1.8, and Wi-Fi 2.4 GHz Bands	IEEE Transactions on Electromagnetic Compatibility					1.882	10.1109/TEMC.2021.3063250
1501	Sreekanth M., Sivakumar R., Sai Santosh Pavan Kumar M., Karunamurthy K., Shyam Kumar M.B., Harish R.	Regenerative flow pumps, blowers and compressors – A review	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy					1.882	10.1177/09576509211018118

1502	P J., Y M., John B.	Design and testing of energy-efficient heat exchangers for Newtonian and non-Newtonian fluids – A review	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy					1.882	10.1177/09576509211047000
1503	Dharmale N., Chaudhury S., Dash D.	Investigating the naturally occurring forms of TiO <sub>2</sub> on electronic and optical properties using OLCAO-MGGA-TBO9: A hybrid DFT study	Modelling and Simulation in Materials Science and Engineering	29	2			1.874	10.1088/1361-651X/abb6de
1504	Thakur S., Ghosh D., Das B.	Comparative Performance Analysis of Constructed Wetland-Microbial Fuel Cells Operated under Batch and Continuous Mode for Treating Wastewater with RO Concentrate	Journal of Environmental Engineering (United States)	147	11			1.860	10.1061/(ASCE)EE.1943-7870.0001925
1505	Karthik R., Menaka R., Hariharan M., Kathiresan G.S.	AI for COVID-19 Detection from Radiographs: Incisive Analysis of State of the Art Techniques, Key Challenges and Future Directions	IRBM					1.856	10.1016/j.irbm.2021.07.002

1506	Karthik R., Menaka R., Kathiresan G.S., Anirudh M., Nagharjun M.	Gaussian Dropout Based Stacked Ensemble CNN for Classification of Breast Tumor in Ultrasound Images	IRBM					1.856	10.1016/j.irbm.202 1.10.002
1507	Renjini G.S., Deepa T.	Error minimization of positive output lu converter using various optimization techniques	Journal of Intelligent and Fuzzy Systems	40	2	2637	2645	1.851	10.3233/JIFS- 189255
1508	Senthil S., Ravi K.	A new compilation of the micro-grid by distributed energy sources using three phase three level space vector multilevel inverter	Journal of Intelligent and Fuzzy Systems	40	2	2647	2660	1.851	10.3233/JIFS- 189256
1509	Rajeswari A.R., Kulothungan K., Ganapathy S., Kannan A.	Trusted energy aware cluster based routing using fuzzy logic for WSN in IoT	Journal of Intelligent and Fuzzy Systems	40	5	9197	9211	1.851	10.3233/JIFS- 201633
1510	Sarkar P., Thirumurugan K.	In silico explanation for the causalities of deleterious RNF213 SNPs in Moyamoya disease and insulin resistance	Computational Biology and Chemistry	92				1.850	10.1016/j.compbiol chem.2021.107488
1511	Jeelani P.G., Ramalingam C.	Statistical approach to synthesise biogenic silica nanoparticles from rice husk and conjugated with Justicia adhatoda extract as green, slow-release biocide	IET Nanobiotechnol ogy	15	4	391	401	1.847	10.1049/nbt2.1202 7

1512	Ambalavanan R., John A.D., Selvaraj A.D.	Nephroprotective role of nanoencapsulated Tinospora cordifolia (Willd.) using polylactic acid nanoparticles in streptozotocin-induced diabetic nephropathy rats	IET Nanobiotechnol ogy	15	4	411	417	1.847	10.1049/nbt2.1203 0
1513	Thiyagarajan P.	A review on three- dimensional graphene: Synthesis, electronic and biotechnology applications-The Unknown Riddles	IET Nanobiotechnol ogy	15	4	348	357	1.847	10.1049/nbt2.1204 5
1514	Dsouza M., Jayabalan S.S.	Analysis of the size reduction of AgNPs loaded hydrogel and its effect on the anti- bacterial activity	IET Nanobiotechnol ogy	15	6	545	557	1.847	10.1049/nbt2.1203 7
1515	Kumar M., Kumar A., Jindal S.K., Raghuwanshi S.K.	Comprehensive Study of all-in-one Simultaneous Multiple Optical Logic Gate Devices Using Mach-Zehnder Interferometer based on the Electro-optic Effect	IETE Technical Review (Institution of Electronics and Telecommunicati on Engineers, India)					1.845	10.1080/02564602. 2021.1892543
1516	Manoharan T.A., Radhakrishnan M.	Region-Wise Brain Response Classification of ASD Children Using EEG and BiLSTM RNN	Clinical EEG and Neuroscience					1.843	10.1177/15500594 211054990



1517	Chandra V., Dwivedi A.D.D., Sinha N.	TCAD based performance assessment of Indium Gallium Nitride based single junction solar cells for different mole fractions of Indium	Optical and Quantum Electronics	53	2			1.842	10.1007/s11082-020-02709-7
1518	Anandkumar D., Sangeetha R.G.	A survey on performance enhancement in free space optical communication system through channel models and modulation techniques	Optical and Quantum Electronics	53	1			1.842	10.1007/s11082-020-02629-6
1519	Radhouene M., Balaji V.R., Najjar M., Robinson S., Janyani V., Murugan M.	Rounded square ring resonator based add drop filter for WDM applications using two dimensional photonic crystals	Optical and Quantum Electronics	53	5			1.842	10.1007/s11082-021-02924-w
1520	Andrew M., Jayaraman G.	Marine sulfated polysaccharides as potential antiviral drug candidates to treat Corona Virus disease (COVID-19)	Carbohydrate Research	505				1.841	10.1016/j.carres.2021.108326
1521	Vanaja D.S., Stonier A.A., Mani G., Murugesan S.	Investigation and validation of solar photovoltaic-fed modular multilevel inverter for marine water-pumping applications	Electrical Engineering					1.836	10.1007/s00202-021-01370-x

1522	Elumalai M., Anouncia S.M.	Development of soil mineral classification using ontology mining	Arabian Journal of Geosciences	14	14			1.827	10.1007/s12517-021-07651-w
1523	Perumal M.S., Manimozhi B., Dandamudi H., Durairaj V.B., Jawaharlalnehru A., Senthil R.	Ultra-reliable low latency communication technique for agriculture wireless sensor networks	Arabian Journal of Geosciences	14	13			1.827	10.1007/s12517-021-07576-4
1524	Kumthekar A., Reddy G.R.	An integrated deep learning framework of U-Net and inception module for cloud detection of remote sensing images	Arabian Journal of Geosciences	14	18			1.827	10.1007/s12517-021-08259-w
1525	Shetgaonkar S.E., Krishnan M., Singh F.V.	Hypervalent iodine reagents for oxidative rearrangements	Mini-Reviews in Organic Chemistry	18	2	138	158	1.824	10.2174/1570193X17999200727204349
1526	Imoize A.L., Ibhaze A.E., Atayero A.A., Kavitha K.V.N.	Standard Propagation Channel Models for MIMO Communication Systems	Wireless Communications and Mobile Computing	2021				1.819	10.1155/2021/8838792
1527	Ummethala R., Jayaraj J., Karamched P.S., Rathinavelu S., Singh N., Surreddi K.B., Prashanth K.G.	In Vitro Corrosion Behavior of Selective Laser Melted Ti-35Nb-7Zr-5Ta	Journal of Materials Engineering and Performance					1.819	10.1007/s11665-021-05940-9

1528	Dhanumalayan E., Joshi G.M., Kaleemulla S., Teresa Cuberes M., Deshmukh R.R.	Studies on the Surface and Wetting Properties of Poly(vinylidene fluoride)/Poly(acrylonitrile )/Multiwalled Carbon Nanotube-NH <sub>2</sub> Blends as a Function of Air Plasma Treatment	Journal of Materials Engineering and Performance					1.819	10.1007/s11665- 021-05915-w
1529	Arun D., Ramkumar K.D.	Microstructural and Mechanical Characteristics of Cold Metal Transfer Weld Joints of UNS S32750	Journal of Materials Engineering and Performance					1.819	10.1007/s11665- 021-06015-5
1530	Jose B., Manoharan M., Natarajan A.	Technology Development for Thick Section of Aerospace- Grade MDN 250 Weldment with Higher Weld Strength and Toughness by Suppressing Reverted Austenite Phase	Journal of Materials Engineering and Performance					1.819	10.1007/s11665- 021-06330-x
1531	Venkatesh Kannan M., Arivazhagan N., Nageswara Rao M., Madhusudhan Reddy G., Phani Prabhakar K.V., Gadhe P.	Studies on Microstructure and Mechanical Properties of Weldments Produced in 12 mm Thick Naval Grade High Strength Low Alloy Steel for Sub- Zero Application by Single and Double Pass Hybrid Laser Arc Welding	Journal of Materials Engineering and Performance					1.819	10.1007/s11665- 021-06403-x

1532	Singh B., Mohanty A.	Influence of Nanodiamonds on the Mechanical Properties of Glass Fiber-/Carbon Fiber-Reinforced Polymer Nanocomposites	Journal of Materials Engineering and Performance					1.819	10.1007/s11665-021-06469-7
1533	Kumar A., Behera B., Kumar M., Jindal S.K., Srivastava M.	Implementation of all-optical ripple down counter using the micro-ring resonator structures	Applied Physics B: Lasers and Optics	127	2			1.817	10.1007/s00340-020-07555-9
1534	Alphonse M., Thiagarajan K.	Optimisation of gentiopicroside production in Gentiana kurroo Royle from adventitious root cultures in a liquid culture system	In Vitro Cellular and Developmental Biology - Plant					1.814	10.1007/s11627-021-10168-2
1535	Basha H.T., Sivaraj R.	Exploring the heat transfer and entropy generation of Ag/Fe <sub>3</sub> O <sub>4</sub> - blood nanofluid flow in a porous tube: a collocation solution	European Physical Journal E	44	3			1.812	10.1140/epje/s10189-021-00024-x
1536	Khorshidian S., Vaseghi B., Rezaei G., Jenkins D., Kumar N., Rajan A.	Synthesis of Ultra-fine Co <sub>1-(x+y)</sub> Ni <sub>x</sub> Zn <sub>y</sub> Fe <sub>2</sub> O <sub>4</sub> Ferrite Nanoparticles: Customizing Magnetic Properties	ChemistrySelect	6	3	494	501	1.811	10.1002/slct.202004461

1537	Sawminathan S., Munusamy S., Jothi D., Iyer S.K.	Phenanthridine-Based Donor/Acceptor Fluorescent Dyes: Synthesis, Photophysical Properties and Fluorometric Sensing of Biogenic Primary Amines	ChemistrySelect	6	4	858	864	1.811	10.1002/slct.202004040
1538	Goud E.V., Vijai Anand A.S., Pallepogu R., Brahmmananda Rao C.V.S., Nagarajan S., Sivaramakrishna A.	Unexpected Coordination Modes of Bisphosphoramides with Lanthanum(III) and Thorium(IV) Salts: Synthesis, Structural Characterization, Stability, and Extraction Studies	ChemistrySelect	6	9	2085	2093	1.811	10.1002/slct.202004516
1539	Saadh A.W.M., Ramaswamy P., Ali T.	A CPW fed two and four element antenna with reduced mutual coupling between the antenna elements for wireless applications	Applied Physics A: Materials Science and Processing	127	2			1.810	10.1007/s00339-020-04224-8
1540	Bayappagari B., Shaik K., Chakraborty D., Kunapalli C.K.	Structural, optical and magnetic properties of vacuum annealed Fe, Mn doped NiO nanoparticles	Applied Physics A: Materials Science and Processing	127	1			1.810	10.1007/s00339-020-04161-6
1541	Senthil R., Anand U., Krishnan P.	Hollow-core high-sensitive photonic crystal fiber for liquid-/gas-sensing applications	Applied Physics A: Materials Science and Processing	127	4			1.810	10.1007/s00339-021-04417-9

1542	Jain R., Nashine H.K., Kumar S.	An Implicit Relation Approach in Metric Spaces under $w$ -Distance and Application to Fractional Differential Equation	Journal of Function Spaces	2021					1.807	10.1155/2021/9928881
1543	Jain R., Nashine H.K., George R., Mitrović Z.D.	On Extended Branciari $b$ -Distance Spaces and Applications to Fractional Differential Equations	Journal of Function Spaces	2021					1.807	10.1155/2021/9949147
1544	Zhou M.-X., Ravi Kanth A.S.V., Aruna K., Raghavendar K., Rezazadeh H., Inc M., Aly A.A.	Numerical solutions of time fractional zakharov-kuznetsov equation via natural transform decomposition method with nonsingular kernel derivatives	Journal of Function Spaces	2021					1.807	10.1155/2021/9884027
1545	Solanki R., Minase S., Mahajan A., Patrikar R.	Modeling of gate leakage in cylindrical gate-all-around transistors	Journal of Computational Electronics						1.807	10.1007/s10825-021-01766-9
1546	Hadid S.B., Ibrahim R.W., Murugusundaramoorthy G.	A New Parametric Differential Operator of $p$ -Valently Analytic Functions	Journal of Function Spaces	2021					1.807	10.1155/2021/6708137
1547	Murugusundaramoorthy G., Shakeel A., Kutbi M.A.	Coefficient Bounds of Kamali-Type Starlike Functions Related with a Limacon-Shaped Domain	Journal of Function Spaces	2021					1.807	10.1155/2021/4395574
1548	Rajshekar K., Kannadassan D.	A comprehensive density-of-states model for oxide semiconductor thin film transistors	Journal of Computational Electronics						1.807	10.1007/s10825-021-01783-8

1549	Ghosh K.	The design of a graphene nanoribbon field-effect transistor with reduced internal fringe capacitance for application in the gigahertz to terahertz frequency range	Journal of Computational Electronics					1.807	10.1007/s10825-021-01795-4
1550	Alharbi A., Equbal K., Ahmad S., Rahman H.U., Alyami H.	Human Gait Analysis and Prediction Using the Levenberg-Marquardt Method	Journal of Healthcare Engineering	2021				1.803	10.1155/2021/5541255
1551	Vijayakumar S., Raj R., Shaanker U., Sivaramakrishna A., Ramamoorthy S.	Mycosynthesis of novel lactone in foliar endophytic fungus isolated from <i>Bixa orellana</i> L.	3 Biotech	11	1			1.798	10.1007/s13205-020-02566-x
1552	Bhattarai A., Emerson I.A.	Exploring the conformational dynamics and flexibility of intrinsically disordered HIV-1 Nef protein using molecular dynamic network approaches	3 Biotech	11	4			1.798	10.1007/s13205-021-02698-8
1553	Kumar S.U., Priya N.M., Nithya S.R., Kannan P., Jain N., Kumar D.T., Magesh R., Younes S., Zayed H., Doss C.G.P.	A review of novel coronavirus disease (COVID-19): based on genomic structure, phylogeny, current shreds of evidence, candidate vaccines, and drug repurposing	3 Biotech	11	4			1.798	10.1007/s13205-021-02749-0

1554	Prathiba S., Sabareesh V., Anbalagan M., Jayaraman G.	Metabolites from halophilic bacterial isolates Bacillus VITPS16 are cytotoxic against HeLa cells	3 Biotech	11	6			1.798	10.1007/s13205- 021-02724-9
1555	Thirunavukkarasu M.K., Shin W.-H., Karuppasamy R.	Exploring safe and potent bioactives for the treatment of non-small cell lung cancer	3 Biotech	11	5			1.798	10.1007/s13205- 021-02797-6
1556	Vasanth Kumar D., Raja D.	Study of Thermal Comfort Properties on Socks made from Recycled Polyester/Virgin Cotton and its Blends	Fibers and Polymers					1.797	10.1007/s12221- 021-0471-6
1557	Vimalanathan P., Suresh G., Rajesh M., Manikandan R., Rajesh Kanna S.K., Santhanam V.	A Study on Mechanical and Morphological Analysis of Banana/Sisal Fiber Reinforced IPN Composites	Fibers and Polymers					1.797	10.1007/s12221- 021-0917-x
1558	Julius Fusic S., Hariharan K., Sitharthan R., Karthikeyan S.	Scene terrain classification for autonomous vehicle navigation based on semantic segmentation method	Transactions of the Institute of Measurement and Control					1.796	10.1177/0142331 2211062972
1559	Rajan R.S., Kumar K.J., Shantrinal A.A., Rajalaxmi T.M., Rajasingh I., Balasubramanian K.	Biochemical and phylogenetic networks-I: hypertrees and corona products	Journal of Mathematical Chemistry					1.795	10.1007/s10910- 020-01194-3



1560	Rajan R.S., Shantrinal A.A., Kumar K.J., Rajalaxmi T.M., Rajasingh I., Balasubramanian K.	Biochemical and phylogenetic networks-II: X-trees and phylogenetic trees	Journal of Mathematical Chemistry	59	3	699	718	1.795	10.1007/s10910- 020-01195-2
1561	Chandrakala S., M V., N S., L J.S.	Multi-view representation for sound event recognition	Signal, Image and Video Processing					1.794	10.1007/s11760- 020-01851-9
1562	Mohan S., John A., Abugabah A., Adimoolam M., Kumar Singh S., kashif Bashir A., Sanzogni L.	An approach to forecast impact of Covid-19 using supervised machine learning model	Software - Practice and Experience					1.786	10.1002/spe.2969
1563	Ashvanth B., Partibane B., Idayachandran G.	Designing miniaturized metamaterial absorber with tunable multiband characteristics for THz applications	Bulletin of Materials Science	44	4			1.783	10.1007/s12034- 021-02566-4
1564	Chandan M.R., Goyal S., Rizwan M., Imran M., Shaik A.H.	Removal of textile dye from synthetic wastewater using microporous polymer nanocomposite	Bulletin of Materials Science	44	4			1.783	10.1007/s12034- 021-02559-3
1565	Subramanian J., Vinoth Kumar S., Venkatachalam G., Gupta M., Singh R.	An Investigation of EMI Shielding Effectiveness of Organic Polyurethane Composite Reinforced with MWCNT-CuO- Bamboo Charcoal Nanoparticles	Journal of Electronic Materials					1.774	10.1007/s11664- 020-08622-9

1566	Anand R., Sridhar V.G.	Microstructure and mechanical properties of interlock friction stir weld lap joint AA7475-T7 using fractional factorial design	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/0954406221996393
1567	Routh B., Sahoo V., Sobczyk A.	Performance analysis of asymmetric toothed strain wave gear	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062211015784
1568	John B., Kusuma Chandrashekhara S., Panneerselvam V.	Conjugate heat transfer study of hypersonic flow past a cylindrical leading edge composed of functionally graded materials	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062211048179
1569	Uday K.N., Rajamurugan G.	Effect of stir casting parameters and mono/hybrid reinforcements on aluminium metal matrix composite—A review	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/09544062211052166

1570	Gundabattini E., Mystkowski A.	Review of air-cooling strategies, combinations and thermal analysis (experimental and analytical) of a permanent magnet synchronous motor	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.762	10.1177/0954406220987267
1571	Sandeep R., Arivazhagan N.	Innovation of thermoplastic polymers and metals hybrid structure using friction stir welding technique: challenges and future perspectives	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	1			1.755	10.1007/s40430-020-02750-3
1572	Mutra R.R., Srinivas J.	Parametric design of turbocharger rotor system under exhaust emission loads via surrogate model	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	3			1.755	10.1007/s40430-021-02809-9
1573	Sangeetha E., De P.	Bioconvection in nanofluid flow embedded in non-darcy porous medium with viscous dissipation and ohmic heating	Journal of Porous Media	24	1	15	23	1.752	10.1615/JPORMEDIA.2020036165

1574	Mishra U., Mashud A.H.M., Tseng M.-L., Wu J.- Z.	Optimizing a sustainable supply chain inventory model for controllable deterioration and emission rates in a greenhouse farm	Mathematics	9	5	1	28	1.747	10.3390/math9050495
1575	Sepehri A., Mishra U., Tseng M.-L., Sarkar B.	Joint pricing and inventory model for deteriorating items with maximum lifetime and controllable carbon emissions under permissible delay in payments	Mathematics	9	5	1	27	1.747	10.3390/math9050470
1576	Panigrahi R., Borah S., Bhoi A.K., Ijaz M.F., Pramanik M., Jhaveri R.H., Chowdhary C.L.	Performance assessment of supervised classifiers for designing intrusion detection systems: A comprehensive review and recommendations for future research	Mathematics	9	6			1.747	10.3390/math9060690
1577	Pooja K.K., Gomathinayagam S., Gothandam K.M.	Draft Genome Sequence of a Highly Pigmented Bacterium Paracoccus marcusii KGP Capable of Producing Galacto-oligosaccharides Synthesising Enzyme	Current Microbiology					1.746	10.1007/s00284-020-02326-3
1578	Ojha N., Das N.	Green Formulation of Microbial Biopolymeric Nanocarriers Toward In Vitro Drug Delivery and Its Characterization	Current Microbiology					1.746	10.1007/s00284-021-02464-2

1579	George G., Lal A.M.	A personalized approach to course recommendation in higher education	International Journal on Semantic Web and Information Systems	17	2	100	114	1.742	10.4018/IJSWIS.2021040106
1580	Soangra R., Rajagopal S.	Effects of visual referencing on backward and forward treadmill walking in VR environments	Displays	66				1.738	10.1016/j.displa.2020.101975
1581	E B., D B., Elumalai V.K., K U.	Data-driven gait analysis for diagnosis and severity rating of Parkinson's disease	Medical Engineering and Physics	91		54	64	1.737	10.1016/j.medengphy.2021.03.005
1582	Bebarta D.K., Das T.K., Chowdhary C.L., Gao X.-Z.	An intelligent hybrid system for forecasting stock and forex trading signals using optimized recurrent flann and case-based reasoning	International Journal of Computational Intelligence Systems	14	1	1763	1772	1.736	10.2991/ijcis.d.210601.001
1583	Manohar A.S., Komakula S.A., Gunasekaran K., Padmanabhan Panchu K.	Comparative study on the reachable workspaces of regular and irregular axially symmetric hexapod robots	Journal of Mechanical Science and Technology					1.734	10.1007/s12206-021-0936-y
1584	Asharani I.V., Priya D.B., Sivagami M., Thirumalai D.	Catalytic Activity of Size Tailored Gold Nanoparticles for the Reduction of Environmental Pollutant, 4-Nitrophenol: A Greener Approach	Journal of Cluster Science					1.731	10.1007/s10876-021-02045-0

1585	Viswanathan T., Pal S., Rahaman A., Pal P.G.	Effect of Nanocrystalline Magnesium Aluminate Precursor and Powder Granulometry on Spinellization and Densification to Develop Magnesium Aluminate Spinel Aggregates	Transactions of the Indian Ceramic Society					1.729	10.1080/0371750X. 2021.1915873
1586	Sathish S., Balaji N., Manivasagam G., Aruna S.T.R.	Properties of Plasma Sprayed Al <sub>2</sub> O <sub>3</sub> -13TiO <sub>2</sub> and ZrO <sub>2</sub> Blended Coatings on Biomedical Alloy	Transactions of the Indian Ceramic Society	80	3	216	223	1.729	10.1080/0371750 X.2021.1978865
1587	Damle A., Muthusamy S., Nag R., Das R.K., Srivastava P.	Characterization of alginate-capped nanosilver by fractal and entropy analysis on its transmission electron microphotographs	Micron	140				1.726	10.1016/j.micron.2 020.102963
1588	Mohankumar M., Praveen Kumar S., Guruprasad B., Manavalla S., Isaac Joshuaramesh Lalvani J.S.C., Somasundaram P.L., Tamilarasu P., Tanwar P.S.	XRD Peak Profile Analysis of SiC Reinforced Al <sub>2</sub> O <sub>3</sub> Ceramic Composite Synthesized by Electrical Resistance Heating and Microwave Sintering: A Comparison	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/834 1924

1589	Suryanarayanan R., Sridhar V.G., Natrayan L., Kaliappan S., Merneedi A., Sathish T., Yeshitla A.	Improvement on Mechanical Properties of Submerged Friction Stir Joining of Dissimilar Tailor Welded Aluminum Blanks	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/3355692
1590	Sandeep Kauthsa Sharma M., Umadevi S., Sai Sampath Y., Vasugi K., Sai Nitesh K.J.N., Swamy Nadh V., Natrayan L.	Mechanical Behavior of Silica Fume Concrete Filled with Steel Tubular Composite Column	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/3632991
1591	Suresh Kumar R., Senthil Kumar S., Murugan K., Guruprasad B., Manavalla S., Madhu S., Hariprabhu M., Balamuralitharan S., Venkatesa Prabhu S.	Optimization of CNC End Milling Process Parameters of Low-Carbon Mold Steel Using Response Surface Methodology and Grey Relational Analysis	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/4005728
1592	Iqbal J.L.M., Kishore M.S., Arulkumaran Ganeshan, Narayan G.	Design and Implementation of SOC-Based Noncontact-Type Level Sensing for Conductive and Nonconductive Liquids	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/7630008

1593	Kalangi C., Bolleddu V., Allasi H.L.	Tribological Characteristics of Carbon Nanotubes- Reinforced Plasma- Sprayed Al <sub>2</sub> O <sub>3</sub> - TiO <sub>2</sub> Ceramic Coatings	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/809 4640
1594	Vemanaboina H., Gundabattini E., Kumar K., Ferro P., Sridhar Babu B.	Thermal and Residual Stress Distributions in Inconel 625 Butt-Welded Plates: Simulation and Experimental Validation	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/394 8129
1595	Vemanaboina H., Sridhar Babu B., Gundabattini E., Ferro P., Kumar K.	Effect of Heat Input on Distortions and Residual Stresses Induced by Gas Tungsten Arc Welding in SS 316L to INCONEL625 Multipass Dissimilar Welded Joints	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/102 8461
1596	Jenish I., Felix Sahayaraj A., Appadurai M., Fantin Irudaya Raj E., Suresh P., Raja T., Salmen S.H., Alfarraj S., Manikandan V.	Fabrication and Experimental Analysis of Treated Snake Grass Fiber Reinforced with Polyester Composite	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/607 8155
1597	Selvaraj S.K., Raj A., Dharnidharka M., Chadha U., Sachdeva I., Kapruan C., Paramasivam V.	A Cutting-Edge Survey of Tribological Behavior Evaluation Using Artificial and Computational Intelligence Models	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/952 9199



1598	Selvaraj S.K., Sundaramali G., Jithin Dev S., Sri Swathish R., Karthikeyan R., Vijay Vishaal K.E., Paramasivam V.	Recent Advancements in the Field of Ni-Based Superalloys	Advances in Materials Science and Engineering	2021				1.726	10.1155/2021/972 3450
1599	Sreedharan V., Saha P., Rao K.V.B.	Dye degradation potential of Acinetobacter baumannii strain VITVB against commercial azo dyes	Bioremediation Journal					1.724	10.1080/10889868. 2020.1871317
1600	Vimala S., Gladiss Merlin N.R., Ramanathan L., Cristin R.	Optimal Routing and Deep Regression Neural Network for Rice Leaf Disease Prediction in IoT	International Journal of Computational Methods					1.716	10.1142/S0219876 221500146
1601	Ravi Dhas C., Santhoshi Monica S.E., Venkatesh R., Sivakumar R., Nathanael A.J., Vignesh R., Arivukarasan D., Gnana Malar K.C.M., Keerthana S.	Correlation of annealing temperature on physico- chemical properties and electrochromic performance of nebulizer spray-coated NiO films	Inorganic and Nano-Metal Chemistry					1.716	10.1080/24701556. 2021.2023571

1602	Gupta S., Padhee S., Pekar L.	Recursive least squares identification of heat exchanger system using block-structured models	Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering					1.714	10.1177/09596518211054921
1603	Shastri R.K., Mohanty C.P.	Sustainable Electrical Discharge Machining of Nimonic C263 Superalloy	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-020-05211-0
1604	Nersisson R., Iyer T.J., Joseph Raj A.N., Rajangam V.	A Dermoscopic Skin Lesion Classification Technique Using YOLO-CNN and Traditional Feature Model	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-021-05571-1
1605	Bezawada P., Yeddula P.O., Kota V.R.	A Novel Time-Domain Passive Islanding Detection Technique for Grid-Connected Hybrid Distributed Generation System	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-021-05493-y
1606	Viswanathan G., Jayagopal P.	A Threat Categorization of Risk-Based approach for analyzing Security Threats early phase in SDLC	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-021-05602-x
1607	Singh S.G., Kumar S.V.	Dealing with Multicollinearity Problem in Analysis of Side Friction Characteristics Under Urban Heterogeneous Traffic Conditions	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-020-05213-y

1608	Krishnan Nair S., Chinnappan S.K., Dubey A.K., Subburaj A., Subramaniam S., Balasubramaniam V., Sengan S.	Prewitt Logistic Deep Recurrent Neural Learning for Face Log Detection by Extracting Features from Images	Arabian Journal for Science and Engineering					1.711	10.1007/s13369- 021-05609-4
1609	Haridasan A.C., Fernando A.G., Balakrishnan S.	Investigation of consumers' cross-channel switching intentions: A push-pull-mooring approach	Journal of Consumer Behaviour					1.708	10.1002/cb.1918
1610	Subbaraj S., Kanagasabai M., Alsath M.G.N., Kingsly S., Palaniswamy S.K., Rao Y.V.R., Shrivastav A.K.	Integration of dual function array with nested slot radiator for MIMO applications	International Journal of RF and Microwave Computer-Aided Engineering					1.694	10.1002/mmce.227 81
1611	Ramanujam P., Ramanujam K., Ponnusamy M.	A novel asymmetrical interdigital coupled line- based penta-band bandpass filter design with enhanced selectivity employing square complementary split ring resonator	International Journal of RF and Microwave Computer-Aided Engineering					1.694	10.1002/mmce.228 88
1612	Pandey C., Thakare J.G., Tharaphadar P., Kumar P., Gupta A., Sirohi S.	Characterization of the soft zone in dissimilar welds joint of 2.25Cr-1Mo and lean duplex LDX2101 steel	Fusion Engineering and Design	163				1.692	10.1016/j.fusengde s.2020.112147

1613	Vishnuram P., Ramachandiran G.	A simple multi-frequency multiload independent power control using pulse density modulation scheme for cooking applications	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12771
1614	Sureshkumar A., Gunabalan R.	Design and implementation of single switch control DC-DC converter with wide input variation in automotive LED lighting	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12776
1615	Sankarkumar R.S., Natarajan R.	Energy management techniques and topologies suitable for hybrid energy storage system powered electric vehicles: An overview	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12819
1616	Thakare J.G., Pandey C., Gupta A., Taraphdar P.K., Mahapatra M.M.	Role of the heterogeneity in microstructure on the mechanical performance of the Autogenous Gas Tungsten Arc (GTA) welded dissimilar joint of F/M P91 and SS304L steel	Fusion Engineering and Design	168				1.692	10.1016/j.fusengdes.2021.112616
1617	Fernau H., Kuppusamy L., Raman I.	On the generative capacity of matrix insertion-deletion systems of small sum-norm	Natural Computing					1.690	10.1007/s11047-021-09866-y

1618	Venkatachalam V., Ganapathy S., Perumal I., Devendrapandi S., Ayyaswamy A.	State filling effects on photoluminescence and photovoltaic characteristic of aluminium-doped CdTe colloidal quantum dots stabilized in aqueous medium	Chemical Papers					1.680	10.1007/s11696-020-01406-9
1619	Rishika R., Gupta A., Sinha S., Sofana Reka S.	Sleep Pattern Study with Respect to Binaural Beats Using Sensors and Mobile Application	Wireless Personal Communications	119	1	941	957	1.671	10.1007/s11277-021-08245-1
1620	Krishnan C.G., Robinson Y.H., Julie E.G., Bamini A.M.A., Kumar R., Thong P.H., Son L.H.	Hybrid Cache Management in Ad Hoc Networks	Wireless Personal Communications	118	4	2843	2865	1.671	10.1007/s11277-021-08158-z
1621	Aggarwal M., Velmurugan T., Nandakumar S.	Comparative Analysis of Algorithms Governing Spectrum Handoff in Cognitive Radio Networks	Wireless Personal Communications					1.671	10.1007/s11277-021-08677-9
1622	Gupta S., Sahoo A.K., Sahoo U.K.	Energy Efficient Distributed Volterra Modeling Approach with ADMM-Based Sparse Signal Recovery	Wireless Personal Communications	119	3	2755	2773	1.671	10.1007/s11277-021-08363-w

1623	Narayanasami S., Sengan S., Khurram S., Arslan F., Murugaiyan S.K., Rajan R., Peroumal V., Dubey A.K., Srinivasan S., Sharma D.K.	Biological Feature Selection and Classification Techniques for Intrusion Detection on BAT	Wireless Personal Communications					1.671	10.1007/s11277- 021-08721-8
1624	Malathy E.M., Asaithambi M., Dheeraj A., Arputharaj K.	Hybrid Bird Swarm Optimized Quasi Affine Algorithm Based Node Location in Wireless Sensor Networks	Wireless Personal Communications					1.671	10.1007/s11277- 021-08934-x
1625	Bhola J., Shabaz M., Dhiman G., Vimal S., Subbulakshmi P., Soni S.K.	Performance Evaluation of Multilayer Clustering Network Using Distributed Energy Efficient Clustering with Enhanced Threshold Protocol	Wireless Personal Communications					1.671	10.1007/s11277- 021-08780-x
1626	John J., Varkey M.S., Podder R.S., Sensarma N., Selvi M., Santhosh Kumar S.V.N., Kannan A.	Smart Prediction and Monitoring of Waste Disposal System Using IoT and Cloud for IoT Based Smart Cities	Wireless Personal Communications					1.671	10.1007/s11277- 021-08897-z
1627	Raamakirtinan S., Jenila Livingston L.M.	Identifying Influential Spreaders in Complex Networks Based on Weighted Mixed Degree Decomposition Method	Wireless Personal Communications					1.671	10.1007/s11277- 021-08772-x

1628	Nanjappan M., Natesan G., Krishnadoss P.	An Adaptive Neuro-Fuzzy Inference System and Black Widow Optimization Approach for Optimal Resource Utilization and Task Scheduling in a Cloud Environment	Wireless Personal Communications					1.671	10.1007/s11277-021-08744-1
1629	Radhika R., Bhuvanewari A., Kalpana G.	An Intelligent Semanticification Rules Enabled User-Specific Healthcare Framework Using IoT and Deep Learning Techniques	Wireless Personal Communications					1.671	10.1007/s11277-021-09033-7
1630	Nandi M., Anusha K.	An Optimized and Hybrid Energy Aware Routing Model for Effective Detection of Flooding Attacks in a Manet Environment	Wireless Personal Communications					1.671	10.1007/s11277-021-09079-7
1631	Kiliroor C.C., Shrija S., Ajay R.	Augmented Scene Text Recognition Using Crosswise Feature Extraction	Wireless Personal Communications					1.671	10.1007/s11277-021-09138-z
1632	Pajila P.J.B., Julie E.G., Robinson Y.H.	FBDR-Fuzzy Based DDoS Attack Detection and Recovery Mechanism for Wireless Sensor Networks	Wireless Personal Communications					1.671	10.1007/s11277-021-09040-8
1633	Das P., Vashisth A., Chadha D., Ananda Kumar S., Banerjee A., Shiaeles S.	LIMAP: A Lightweight Multilayer Authentication Protocol for WBAN	Wireless Personal Communications					1.671	10.1007/s11277-021-08853-x

1634	Thirugnanasamban dam K., Raghav R.S., Anguraj D.K., Saravanan D., Janakiraman S.	Multi-objective Binary Reinforced Cuckoo Search Algorithm for Solving Connected Coverage target based WSN with Critical Targets	Wireless Personal Communications					1.671	10.1007/s11277- 021-08824-2
1635	Vijayakumar D.S., Ganapathy S.	Multistage Ensembled Classifier for Wireless Intrusion Detection System	Wireless Personal Communications					1.671	10.1007/s11277- 021-08917-y
1636	Kumar P., Bagga H., Netam B.S., Uduthalapally V.	SAD-IoT: Security Analysis of DDoS Attacks in IoT Networks	Wireless Personal Communications					1.671	10.1007/s11277- 021-08890-6
1637	Challa N.R., Bagadi K.	Design of Large Scale MU-MIMO System with Joint Precoding and Detection Schemes for Beyond 5G Wireless Networks	Wireless Personal Communication s					1.671	10.1007/s11277- 021-08688-6
1638	Pavithra L., Rekha D.	Real Time Scheduling in TSCH for IoT Using Neurogenetic Algorithm	Wireless Personal Communication s					1.671	10.1007/s11277- 021-09148-x
1639	Nagajayanthi B.	Decades of Internet of Things Towards Twenty- first Century: A Research- Based Introspective	Wireless Personal Communications					1.671	10.1007/s11277- 021-09308-z
1640	Balakrishnan S., Suresh Kumar K., Ramanathan L., Muthusundar S.K.	IoT for Health Monitoring System Based on Machine Learning Algorithm	Wireless Personal Communications					1.671	10.1007/s11277- 021-09335-w



1641	Anitha M., Somasundaram P., Balaji S., Swetha S.	Optimal Scheduling of Directional Sensors with QoS Constraints to Enhance the Lifetime	Wireless Personal Communications					1.671	10.1007/s11277- 021-09381-4
1642	Reddy P.V.N., Padmini G.R., Govindaraj P., Sudhakar M.S.	Robust Feature Descriptor Employing Square Triangle Tessellation for Shape Retrieval	Wireless Personal Communications					1.671	10.1007/s11277- 021-09269-3
1643	Karthikeyan M., Sitharthan R., Ali T., Pathan S., Anguera J., Shanmuga Sundar D.	Stacked T-Shaped Strips Compact Antenna for WLAN and WiMAX Applications	Wireless Personal Communications					1.671	10.1007/s11277- 021-09198-1
1644	Derasari P.M., Sasikumar P.	Motorized Wheelchair with Bluetooth Control and Automatic Obstacle Avoidance	Wireless Personal Communications					1.671	10.1007/s11277- 021-09238-w
1645	Paliwal S., Cherukuri A.K., Gao X.-Z.	Dynamic Private Modulus Based Password Conditional Privacy Preserving Authentication and Key- Agreement Protocol for VANET	Wireless Personal Communication s					1.671	10.1007/s11277- 021-09228-y
1646	Meenakumari R., Lakshminarayana P., Vajravelu K.	Unsteady MHD flow of a Williamson nanofluid on a permeable stretching surface with radiation and chemical reaction effects	European Physical Journal: Special Topics					1.668	10.1140/epjs/s117 34-021-00039-7

1647	Venkatesan G., Reddy A.S.	Insight into the dynamics of blood conveying alumina nanoparticles subject to Lorentz force, viscous dissipation, thermal radiation, Joule heating, and heat source	European Physical Journal: Special Topics					1.668	10.1140/epjs/s11734-021-00052-w
1648	Reddy M.V., Lakshminarayana P.	Cross-diffusion and heat source effects on a three-dimensional MHD flow of Maxwell nanofluid over a stretching surface with chemical reaction	European Physical Journal: Special Topics					1.668	10.1140/epjs/s11734-021-00037-9
1649	Sandhya G., Malleswari K., Sarojamma G., Sreelakshmi K., Narayana P.V.S.	Unsteady Casson nanofluid thin film flow over a stretching sheet with viscous dissipation and chemical reaction	European Physical Journal: Special Topics					1.668	10.1140/epjs/s11734-021-00033-z
1650	Nagarajan L., Thangavelu S.	Hybrid grey wolf sunflower optimisation algorithm for energy-efficient cluster head selection in wireless sensor networks for lifetime enhancement	IET Communications	15	3	384	396	1.664	10.1049/cmu2.12072
1651	Eappen G., Shankar T., Nilavalan R.	Advanced squirrel algorithm-trained neural network for efficient spectrum sensing in cognitive radio-based air traffic control application	IET Communications					1.664	10.1049/cmu2.12111

1652	Arunachalam M., Singh A.K., Karmakar S.	Perceived comfortable posture and optimum riding position of Indian male motorcyclists for short-duration riding of standard motorcycles	International Journal of Industrial Ergonomics	83				1.662	10.1016/j.ergon.2021.103135
1653	Mano S., Sriram R.K.A., Vinayagamurthy G., Pillai S.N., Pasha A.A., Reddy S.S.K., Rahman M.M.	Effect of a circular slot on hybrid airship aerodynamic characteristics	Aerospace	8	6			1.659	10.3390/aerospace8060166
1654	Arora A., Kumar A., Mula S.	Effect of Y2O3 on Mechanical and Corrosion Properties of Fe and Fe-Ni Alloys Prepared by Mechanical Alloying Followed by Spark Plasma Sintering	Journal of Materials Engineering and Performance					1.652	10.1007/s11665-020-05356-x
1655	Sathishkumar M., Bhakat Y.J., Kumar K.G., Giribaskar S., Oyyaravelu R., Arivazhagan N., Manikandan M.	Investigation of Double-Pulsed Gas Metal Arc Welding Technique to Preclude Carbide Precipitates in Aerospace Grade Hastelloy X	Journal of Materials Engineering and Performance	30	1	661	684	1.652	10.1007/s11665-020-05360-1
1656	Rohit B., Muktinutalapati N.R.	Fatigue Behavior of 18% Ni Maraging Steels: A Review	Journal of Materials Engineering and Performance					1.652	10.1007/s11665-021-05583-w

1657	Vignesh M., Ranjith Kumar G., Sathishkumar M., Manikandan M., Rajyalakshmi G., Ramanujam R., Arivazhagan N.	Development of Biomedical Implants through Additive Manufacturing: A Review	Journal of Materials Engineering and Performance					1.652	10.1007/s11665- 021-05578-7
1658	Vishnu J., Manivasagam G.	High-Surface-Energy Nanostructured Surface on Low-Modulus Beta Titanium Alloy for Orthopedic Implant Applications	Journal of Materials Engineering and Performance					1.652	10.1007/s11665- 021-05769-2
1659	Sandeep R., Jeevanantham A.K., Manikandan M., Arivazhagan N., Tofil S.	Multi-Performance Optimization in Friction Stir Welding of AA6082/B4C Using Genetic Algorithm and Desirability Function Approach for Aircraft Wing Structures	Journal of Materials Engineering and Performance					1.652	10.1007/s11665- 021-05842-w
1660	Chintala A., Tejaswi Kumar M., Sathishkumar M., Arivazhagan N., Manikandan M.	Technology Development for Producing Inconel 625 in Aerospace Application Using Wire Arc Additive Manufacturing Process	Journal of Materials Engineering and Performance					1.652	10.1007/s11665- 021-05781-6

1661	Arulmurugan B., Balaji D., Rajkumar S., Kamaraj M., Mageshwaran V., Sathishkumar M., Manikandan M., Arivazhagan N.	Influence of Filler Wire and Welding Process to Mitigate the Microsegregation of Alloy C-2000 Using Continuous and Pulsed Current Gas Tungsten Arc Welding Techniques	Journal of Materials Engineering and Performance					1.652	10.1007/s11665-021-05810-4
1662	Cheng L., Lin T., He H., Qin Z., Shi Y., Yan S., Yao Q., Shi Z., Ramalingam M.	Design and osteogenic potential of cell-free porous scaffolds: A correlation between microporosity and bone regeneration in animal model	Materials Express	11	4	484	491	1.650	10.1166/mex.2021.1932
1663	Alqaheri H., Sujatha R., Chatterjee J.M., Shooriya S., Kumar S.A., Satish N.	Toward an Autonomous Incubation System for Monitoring Premature Infants	Studies in Informatics and Control	30	4	121	131	1.649	10.24846/V30I4Y202111
1664	Lathabhavan R., Vispute S.	Examining the Mediating Effects of Stress on Fear of COVID-19 and Well-being Using Structural Equation Modeling	International Journal of Mental Health and Addiction					1.648	10.1007/s11469-021-00541-y
1665	Srinivasan K., Garg L., Chen B.-Y., Alaboudi A.A., Jhanjhi N.Z., Chang C.-T., Prabadevi B., Deepa N.	Expert system for stable power generation prediction in microbial fuel cell	Intelligent Automation and Soft Computing	30	1	17	30	1.647	10.32604/iasc.2021.018380

1666	K.e.k V., Kandasamy J., Nadeem S.P., Kumar A., Šaparauskas J., Garza-Reyes J.A., Trinkūnienė E.	Developing a strategic sustainable facility plan for a hospital layout using electre and apples procedure	International Journal of Strategic Property Management	25	1	17	33	1.639	10.3846/ijspm.2020.13733
1667	Muthu Kumar T., Rohini K., James N., Shanthi V., Ramanathan K.	Discovery of potent Covid-19 main protease inhibitors using integrated drug-repurposing strategy	Biotechnology and Applied Biochemistry					1.638	10.1002/bab.2159
1668	Das N., Ojha N., Mandal S.K.	Wastewater treatment using plant-derived biofloculants: Green chemistry approach for safe environment	Water Science and Technology	83	8	1797	1812	1.638	10.2166/wst.2021.100
1669	Thuluva A.S.S., Somanathan M.S., Somula R., Sennan S., Burgos D.	Secure and efficient transmission of data based on Caesar Cipher Algorithm for Sybil attack in IoT	Eurasip Journal on Advances in Signal Processing	2021	1			1.630	10.1186/s13634-021-00748-0
1670	Prakash M., Rakkiyappan R., Manivannan A., Zhu H., Cao J.	Stability and bifurcation analysis of hepatitis B-type virus infection model	Mathematical Methods in the Applied Sciences					1.626	10.1002/mma.7198
1671	Srivastav A.K., Ghosh M., Li X.-Z., Cai L.	Modeling and optimal control analysis of COVID-19: Case studies from Italy and Spain	Mathematical Methods in the Applied Sciences					1.626	10.1002/mma.7344

1672	Pradeep R., Venugopal T.	INVESTIGATIONS ON MELTING AND SOLIDIFICATION OF A BATTERY COOLING SYSTEM USING DIFFERENT PHASE CHANGE MATERIALS	Thermal Science	25	4	2767	2780	1.625	10.2298/TSCI20022 9220P
1673	Thena T., Mohan K., Prakasam M., Saravanan K.	Palaeoecological significances of deep-sea benthic foraminifera from Cascadia Margin, North East Pacific Ocean	Regional Studies in Marine Science	47				1.624	10.1016/j.rsma.202 1.101949
1674	Silambarasan R., Baskonus H.M., Vijay Anand R., Dinakaran M., Balusamy B., Gao W.	Longitudinal strain waves propagating in an infinitely long cylindrical rod composed of generally incompressible materials and its Jacobi elliptic function solutions	Mathematics and Computers in Simulation	182		566	602	1.620	10.1016/j.matcom. 2020.11.011
1675	Iyyappan S.G., Sudhakarapandian R., Sakthivel M.	Influence of silicon carbide mixed used engine oil dielectric fluid on EDM characteristics of AA7075/SiCp/B4Cphybrid composites	Materials Research Express	8	8			1.620	10.1088/2053- 1591/ac1d1c

1676	Muthu S.M., Dinek R., Mohan P., Jithesh K., Arivarasu M.	Hot corrosion performance of bare and pulsed current welded Fe-based A-286 alloy in chlorine and sulphur environment	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/0954408 9211043414
1677	Warudkar A., Elavenil S.	Evaluation of the relationship between strength, quality grade, microstructure and abrasion of concrete	Materials Research Express	8	9			1.620	10.1088/2053- 1591/ac2342
1678	Jakeer S., Polu B.A.R.	Homotopy perturbation method solution of magneto-polymer nanofluid containing gyrotactic microorganisms over the permeable sheet with Cattaneo–Christov heat and mass flux model	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.62	10.1177/09544089 211048993



1679	Jose B., Manoharan M., Natarajan A.	Technology development for in-situ measurement of residual stress in arc welded joints of MDN 250 by portable Cosα X-ray diffraction method	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.620	10.1177/09544089211059065
1680	Alkassar Y., Agarwal V.K., Pandey R.K., Behera N.	Analysis of dense phase pneumatic conveying of fly ash using CFD including particle size distribution	Particulate Science and Technology	39	3	322	337	1.619	10.1080/02726351.2020.1727592
1681	Prabhu M.S., Elayaperumal A., Arulvel S., Khan M.W.	Assessment on the impact of FSP process parameters on microstructural, mechanical and wear behaviour of FSPed AA6082	Surface Topography: Metrology and Properties	9	1			1.613	10.1088/2051-672X/abdfd9
1682	Seenuvasaperumal P., Elayaperumal A., Kumar P.S.M., Arulvel S.	Analyzing the mechanical and wear behavior of age hardening processed AZ31 magnesium composites	Surface Topography: Metrology and Properties	9	1			1.613	10.1088/2051-672X/abefc2
1683	Bhuyan B., Patra S., Bhuian R.K.	Do LBMA gold price follow random-walk?	Gold Bulletin					1.610	10.1007/s13404-021-00300-w

1684	Wahidunnisa L., Suneetha S., Reddy S.R.R., Reddy P.B.A.	Comparative study on electromagnetohydrodynamic single-wall carbon nanotube–water dusty nanofluid in the presence of radiation and Ohmic heating	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/0954408920985735
1685	Senthil Kumar S., Sudhakara Pandian R., Pitchipoo P., Rajakarunakaran S., Rajesh S.	Investigation of Al-Mg based composite incorporated with MoS <sub>2</sub> through powder metallurgy	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/0954408920985761
1686	Sathishkumar M., Manikandan M., Arivazhagan N.	Prospects of pulsed current arc welding on aerospace grade Hastelloy X	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/0954408920988430
1687	Arulmurugan B., Sathishkumar M., Balaji D., Muralikrishnan K., Pranesh S., Praveen V., Praveen Kumar K., Arivazhagan N., Manikandan M.	Development of arc welding technique to preclude microsegregation in the dissimilar joint of Alloy C-2000 and C-276	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/0954408921100011

1688	Basha H.T., Sivaraj R.	Entropy generation of peristaltic Eyring–Powell nanofluid flow in a vertical divergent channel for biomedical applications	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/09544089211013926
1689	Thamim M., Thirumoorthy K.	Computational studies of selective N-methylation in nicotinamide: Epigenetic reprogramming in cancer	Computational and Theoretical Chemistry	1194				1.605	10.1016/j.comptc.2020.113058
1690	P. M., B. B.	A transient enhanced cap-less low-dropout regulator for wide range of load currents and capacitances	Microelectronics Journal	115				1.605	10.1016/j.mejo.2021.105207
1691	Alam P., Singh K.S., Ali R., Badruddin I.A., Khan T.M.Y., Kamangar S.	Dispersion and attenuation of SH-waves in a temperature-dependent Voigt-type viscoelastic strip over an inhomogeneous half-space	ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik					1.603	10.1002/zamm.202000223
1692	Krishnan R., Shukla P.	Creeping flow of couple stress fluid past a fluid sphere with a solid core	ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik					1.603	10.1002/zamm.202000115

1693	Raja S.M.J., Rajasingh I., Xavier A.	Induced H-packing k- partition of graphs	International Journal of Computer Mathematics: Computer Systems Theory					1.600	10.1080/23799927. 2020.1871418
1694	Bhagat V.S., George N., Arunkumar M.P., Pitchaimani J., Babu M.C.L.	Numerical Analysis on Vibro-Acoustic Behavior of Honeycomb Core Sandwich Structure with FG-CNT-Reinforced Polymer Composite Facings	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering					1.596	10.1007/s40997- 021-00462-0
1695	Aditya Sai Srinivas T., Manivannan S.S.	Black Hole and Selective Forwarding Attack Detection and Prevention in IoT in Health Care Sector: Hybrid meta- heuristic-based shortest path routing	Journal of Ambient Intelligence and Smart Environments	13	2	133	156	1.595	10.3233/AIS- 210591
1696	Ramaiah M., Chandrasekaran V., Ravi V., Kumar N.	An intrusion detection system using optimized deep neural network architecture	Transactions on Emerging Telecommunicati ons Technologies					1.594	10.1002/ett.4221
1697	Sundararajan K., Garg L., Srinivasan K., Bashir A.K., Kaliappan J., Ganapathy G.P., Selvaraj S.K., Meena T.	A contemporary review on drought modeling using machine learning approaches	CMES - Computer Modeling in Engineering and Sciences	128	2	447	487	1.593	10.32604/cmes.202 1.015528

1698	Prabakaran A., Rufus E.	Review on the wearable health-care monitoring system with robust motion artifacts reduction techniques	Sensor Review					1.583	10.1108/SR-05-2021-0150
1699	Priyadarshini I., Chatterjee J.M., Sujatha R., Jhanjhi N., Karime A., Masud M.	Exploring Internet Meme Activity during COVID-19 Lockdown Using Artificial Intelligence Techniques	Applied Artificial Intelligence					1.580	10.1080/08839514.2021.2014218
1700	Raj A.N.J., Nersisson R., Mahesh V.G.V., Zhuang Z.	Nipple Localization in Automated Whole Breast Ultrasound Coronal Scans Using Ensemble Learning	Ultrasonic Imaging	43	1	29	45	1.571	10.1177/0161734620974273
1701	Inamdar P.R., Sheela A.	Peculiar DNA partial threading intercalative ability of tetradentate copper complex based on ONO hydrazone backbone and an ancillary ligand	Nucleosides, Nucleotides and Nucleic Acids					1.556	10.1080/15257770.2021.1897839
1702	Ramesh Aravind M., Kalaiselvi C., Revathi B., Nirmala Grace A., Pitchaimuthu S., Suresh S., Sindhu V., Krishna Chandar N.	Influence of various concentrations of cetyltrimethylammonium bromide on the properties of nickel oxide nanoparticles for supercapacitor application	Nano					1.556	10.1142/S1793292021501381

1703	Hussien A.A., Qasem I., Kataraki P.S., Al-Kouz W., Janvekar A.A.	Studying the performance of cutting carbon fibre- reinforced plastic using an abrasive water jet technique	Strojnicki Vestnik/Journal of Mechanical Engineering	67	4	135	141	1.554	10.5545/sv- jme.2021.7141
1704	Raghavan S., Jayaraman G.	Synergistic effect of flavonoids combined with antivenom on neutralisation of Naja naja venom	Asian Pacific Journal of Tropical Biomedicine	11	7	298	307	1.545	10.4103/2221- 1691.309665
1705	Patil N.G., Hotta T.K.	Heat transfer characteristics of high heat generating integrated circuit chips cooled using liquid cold plate-a combined numerical and experimental study	Journal of Thermal Science and Engineering Applications	13	1			1.544	10.1115/1.4047564
1706	Loganayagi V., Kameswaran P.K.	Magnetohydrodynamic and Heat Transfer Impacts on Ferrofluid over a Rotating Disk: An Application to Hard Disk Drives	Journal of Thermal Science and Engineering Applications	13	1			1.544	10.1115/1.4047007
1707	Reddy E.	An Efficient and Novel Image Enhancement Technique to Control the Saturation of Intensities Without Any Plateau Limit	Proceedings of the National Academy of Sciences India Section A - Physical Sciences					1.544	10.1007/s40010- 021-00744-x

1708	Meesala S.R., Subramanian S.	Feature based opinion analysis on social media tweets with association rule mining and multi-objective evolutionary algorithms	Concurrency and Computation: Practice and Experience					1.536	10.1002/cpe.6586
1709	Venkatesan M., Lakshmipathy P., Vijayan V., Sundar R.	Cardiac disease diagnosis using feature extraction and machine learning based classification with Internet of Things(IoT)	Concurrency and Computation: Practice and Experience					1.536	10.1002/cpe.6622
1710	Aklak A.F., Pugazhenth M.Y., Alex J.S.R.	A study on VLSI implementation of image enhancement techniques	Concurrency and Computation: Practice and Experience					1.536	10.1002/cpe.6734
1711	Saifuddin S., Arunagiri S.	Investigations on the performance of distributed Raman amplifier in dense wavelength division multiplexed communication system using different modulation formats	Concurrency and Computation: Practice and Experience					1.536	10.1002/cpe.6713
1712	A. R., C. R.K., V.P. C.	Experimental analysis on estimating junction temperature and service life of high power LED array	Microelectronics Reliability	120				1.535	10.1016/j.microrel.2021.114121

1713	Sahay R., Jindal S.K.	Design and analysis of a MEMS pressure sensor with a bossed membrane and ancillary bi-functional frog arm structure for low pressure measurement	Journal of Computational Electronics					1.532	10.1007/s10825-021-01660-4
1714	Bandekar S.R., Ghosh M.	Modeling and analysis of COVID-19 in India with treatment function through different phases of lockdown and unlock	Stochastic Analysis and Applications					1.53	10.1080/07362994.2021.1962343
1715	Manoharan P., Vaddi R.	Wavelet enabled ranking and clustering-based band selection and three-dimensional spatial feature extraction for hyperspectral remote sensing image classification	Journal of Applied Remote Sensing	15	4			1.53	10.1117/1.JRS.15.044506
1716	Kothapudi V.K., Kumar V.	A multi-layer S/X-band shared aperture antenna array for airborne synthetic aperture radar applications	International Journal of RF and Microwave Computer-Aided Engineering					1.528	10.1002/mmce.22720
1717	Bal A., Das M., Satapathy S.M., Jena M., Das S.K.	BFCNet: a CNN for diagnosis of ductal carcinoma in breast from cytology images	Pattern Analysis and Applications					1.512	10.1007/s10044-021-00962-4



1718	Kumar R., Al-Turjman F., Anand L., Kumar A., Magesh S., Vengatesan K., Sitharthan R., Rajesh M.	Genomic sequence analysis of lung infections using artificial intelligence technique	Interdisciplinary Sciences: Computational Life Sciences					1.512	10.1007/s12539-020-00414-3
1719	Sahu C., Parhi D.R., Kumar P.B., Muni M.K., Chhotray A., Pandey K.K.	Humanoid NAO: A Kinematic Encounter	Robotica					1.509	10.1017/S0263574721000096
1720	Ramesh R.M., Khiratkar A.G., Sindhu K.N., Rose A., John S.M., Bhagat P.R., Kang G., Mohan V.R.	Risk Factors and Hazards in the Household Environment for Elevated Blood Lead Levels in Urban Preschool Children of Vellore: A Case–Control Approach in the MAL-ED Birth Cohort	Indian Journal of Pediatrics					1.508	10.1007/s12098-021-03738-0
1721	Hanumegowda P.K., Gnanasekaran S., Subramaniam S., Honnappa A.	Occupational physical risk factors and prevalence of musculoskeletal disorders among the traditional lacquerware toy makers of South India	Work	70	2	405	418	1.505	10.3233/WOR-213580

1722	Sekar P.C., Rajasekaran R.	Could Dermaseptin Analogue be a Competitive Inhibitor for ACE2 Towards Binding with Viral Spike Protein Causing COVID19?: Computational Investigation	International Journal of Peptide Research and Therapeutics					1.500	10.1007/s10989-020-10149-w
1723	Chandrasekhar G., Rajasekaran R.	In Silico Therapeutic Peptide Design Against Pathogenic Domain Swapped Human Cystatin C Dimer	International Journal of Peptide Research and Therapeutics					1.500	10.1007/s10989-021-10191-2
1724	Sitharthan R., Rajesh M.	Application of machine learning (ML) and internet of things (IoT) in healthcare to predict and tackle pandemic situation	Distributed and Parallel Databases					1.5	10.1007/s10619-021-07358-7
1725	Rajendhiran R., Deivasigamani V., Palanisamy J., Pitchaiya S., Eswaramoorthy N., Masan S.	Plectranthus amboinicus Leaf Extract Synthesized Spherical like-TiO <sub>2</sub> Photoanode for Dye-Sensitized Solar Cell Application	Silicon					1.499	10.1007/s12633-020-00709-6
1726	Kumar P., Vinod A., Dharavath K., Bhowmick B.	Analysis and Simulation of Schottky Tunneling Using Schottky Barrier FET with 2-D Analytical Modeling	Silicon					1.499	10.1007/s12633-020-00879-3

1727	Balaji V.R., Murugan M., Robinson S., Hegde G.	A Novel Hybrid Channel DWDM Demultiplexer Using Two Dimensional Photonic Crystals Meeting ITU Standards	Silicon					1.499	10.1007/s12633-020-00902-7
1728	Poorvasha S., Lakshmi B.	Investigation of the Device Electrical Parameters for Homo and Hetero Junction Based TFETs	Silicon					1.499	10.1007/s12633-020-00934-z
1729	Manikandan P., Vasugi V.	A Critical Review of Waste Glass Powder as an Aluminosilicate Source Material for Sustainable Geopolymer Concrete Production	Silicon					1.499	10.1007/s12633-020-00929-w
1730	Jesuwanth Sugesh R. G, Sivasubramanian A	Modelling and Analysis of a Corrugated PN Junction Phase Shifter in Silicon MZM	Silicon					1.499	10.1007/s12633-021-00990-z
1731	Manikandan M., Sangeetha P.	Facile Synthesis of Nanoarchitected Hydrotalcite/SBA-15 Composites for the Efficient Conversion of Levulinic Acid to Ethyl Levulinate	Silicon					1.499	10.1007/s12633-021-01076-6
1732	Chandrasekar P., Nagaraju D.	Improvement of Bonding Strength at the Interfaces in Scrap Al Alloy Composites Using Electroless Ni-P Coated SiC	Silicon					1.499	10.1007/s12633-021-01078-4

1733	Priya G.L., Venkatesh M., Balamurugan N.B., Samuel T.S.A.	Triple Metal Surrounding Gate Junctionless Tunnel FET Based 6T SRAM Design for Low Leakage Memory System	Silicon					1.499	10.1007/s12633- 021-01075-7
1734	Vinothkumar M., Sasikumar M.	Silane Grafted Cellulose and Biosilica Toughened Glass-Epoxy Composite: Mechanical, Hydrophobicity and Low Velocity Impact Behavior	Silicon					1.499	10.1007/s12633- 021-01135-y
1735	Kumar M.S., Sakthivel G., Vanmathi M.	A Systematic Review on Current Status of Zirconia Bonding with Novel Silane Couplant for Dental Restorations	Silicon					1.499	10.1007/s12633- 021-01116-1
1736	Kulkarni S., Rajamurugan G., Ghosh P.K.	Prominence of Narrow Groove on Pulsed Current GMA and SMA Welding of Thick Wall Austenitic Stainless Steel Pipe	Transactions of the Indian Institute of Metals					1.499	10.1007/s12666- 021-02298-3
1737	Singh C.Q.J., Rajamurugan G.	Effect of Resin on Mechanical and Wear Performance of Wire Mesh-Reinforced Hydrophilic Fiber Composite	Transactions of the Indian Institute of Metals					1.499	10.1007/s12666- 021-02359-7

1738	Kumar V.P., Jebaraj A.V.	Influence of Double Aging Heat Treatment on Phase Transformation and Dimensional Accuracy of Inconel 718 Alloy made Through Laser-Based Additive Manufacturing	Transactions of the Indian Institute of Metals					1.499	10.1007/s12666-021-02374-8
1739	Biradar A., Rijesh M.	Feasibility of Stir Casting Method for Processing Al-6063/Graphite Composite with Desired Microstructure, Mechanical, Flow, and Frictional Properties	Transactions of the Indian Institute of Metals					1.499	10.1007/s12666-021-02428-x
1740	Guruvammal S., Chellatamilan T., Deborah L.J.	Optimal Feature Selection and Hybrid Classification for Autism Detection in Young Children	Computer Journal	64	11	1760	1774	1.494	10.1093/comjnl/bxaa156
1741	Raymond Mohanraj D.G., Alagumuthu M., Subramaniam P., Bakthavachalam D., Arumugam S., Chellam S.	Antimicrobial effects of vanillin-based pyridyl-benzylidene-5-fluoroindolins	Journal of Heterocyclic Chemistry					1.484	10.1002/jhet.4277
1742	Zubair T., Usman M., Hamid M., Sohail M., Nazir U., Nisar K.S., Vijayakumar V.	Computational analysis of radiative Williamson hybrid nanofluid comprising variable thermal conductivity	Japanese Journal of Applied Physics	60	8			1.48	10.35848/1347-4065/ac1388

1743	Kumaraswamy Naidu K., Harish Babu D., Harinath Reddy S., Satya Narayana P.V.	Radiation and partial slip effects on magnetohydrodynamic jeffrey nanofluid containing gyrotactic microorganisms over a stretching surface	Journal of Thermal Science and Engineering Applications	13	3			1.470	10.1115/1.4048213
1744	Satya Narayana P.V., Tarakaramu N., Sarojamma G., Animesaun I.L.	Numerical simulation of nonlinear thermal radiation on the 3D flow of a couple stress casson nanofluid due to a stretching sheet	Journal of Thermal Science and Engineering Applications	13	2			1.470	10.1115/1.4049425
1745	Sanjeev M.A., Khademizadeh S., Arumugam T., Tripathi D.K.	Generation Z and intention to use the digital library: does personality matter?	Electronic Library					1.453	10.1108/EL-04-2021-0082
1746	Rajeswari A.R., Ganapathy S., Kulothungan K., Kannan A.	An efficient trust-based secure energy-aware clustering to mitigate trust distortion attack in mobile ad-hoc network	Concurrency Computation					1.447	10.1002/cpe.6223
1747	Manju A.B., Sumathy S.	Dispersed dummy selection approach for location-based services to preempt user-profiling	Concurrency Computation					1.447	10.1002/cpe.6361
1748	Yadav K.A., Vijayakumar P.	LPPSA: an efficient Lightweight Privacy-Preserving Signature-based Authentication protocol for a vehicular ad hoc network	Annales des Telecommunications/Annals of Telecommunications					1.444	10.1007/s12243-021-00897-1

1749	Gundupalli S.P., Shukla R., Gupta R., Hait S., Thakur A.	Optimal Sequence Planning for Robotic Sorting of Recyclables from Source-Segregated Municipal Solid Waste	Journal of Computing and Information Science in Engineering	21	1			1.431	10.1115/1.4047485
1750	Sai Chaithanya M., Das B., Vidya R.	Assessment of metals pollution and subsequent ecological risk in water, sediments and vegetation from a shallow lake: a case study from Ranipet industrial town, Tamil Nadu, India	International Journal of Environmental Analytical Chemistry					1.431	10.1080/03067319. 2021.1882449
1751	Asthana M., Ahamed M., Shanthi C.	First mass spectrometric report of cryptocyanin, a moulting protein from the mud crab <i>Scylla serrata</i> (Forskål, 1775) (Decapoda: Brachyura: Portunidae) in India	Journal of Crustacean Biology	41	1			1.430	10.1093/jcbiol/rua a094
1752	Jain R., Nashine H.K., Lee J.R., Park C.	Unified relational- theoretic approach in metric-like spaces with an application	AIMS Mathematics	6	8	8959	8977	1.427	10.3934/math.2021 520
1753	Tang H., Karthikeyan K.R., Murugusundaramo orthy G.	Certain subclass of analytic functions with respect to symmetric points associated with conic region	AIMS Mathematics	6	11	12863	12877	1.427	10.3934/math.2021 742

1754	Gangadharan M., Kaliyappan V., Ahmad H., Mahmoud K.H., Khalil E.M.	Mapping properties of janowski-type harmonic functions involving mittag- leffler function	AIMS Mathematics	6	12	13235	13246	1.427	10.3934/math.2021 765
1755	Thakur S., Das B.	Bio-electrochemical evaluation of two-stage constructed wetland microbial fuel cells with high strength raw domestic wastewater and simultaneous energy recovery	Water and Environment Journal					1.426	10.1111/wej.12714
1756	Hegde T.A., Vinitha G.	Chloridocobaltate(II) metal-organic cocrystal delivering intermolecular- charge transfer-enhanced passive optical limiting: A comprehensive study on structure-property relation	European Physical Journal D	75	7			1.425	10.1140/epjd/s100 53-021-00227-z
1757	Bingi K., Prusty B.R.	Forecasting Models for Chaotic Fractional- Order Oscillators Using Neural Networks	International Journal of Applied Mathematics and Computer Science	31	3	387	398	1.417	10.34768/amcs- 2021-0026
1758	John R., Rajan A.P.	Pseudomonas putida APRRJVITS11 as a potent tool in chromium (VI) removal from effluent wastewater	Preparative Biochemistry and Biotechnology					1.415	10.1080/10826068. 2021.1922918



1759	Ashokkumar P., Siva Shankar G., Srivastava G., Maddikunta P.K.R., Gadekallu T.R.	A Two-stage Text Feature Selection Algorithm for Improving Text Classification	ACM Transactions on Asian and Low- Resource Language Information Processing	20	3			1.413	10.1145/3425781
1760	Dhivya S., Usha Devi G.	TAMIZHI: Historical Tamil- Brahmi Script Recognition Using CNN and MobileNet	ACM Transactions on Asian and Low- Resource Language Information Processing	20	3			1.413	10.1145/3402891
1761	Dhivya S., Usha Devi G.	Study on Automated Approach to Recognize Characters for Handwritten and Historical Document	ACM Transactions on Asian and Low- Resource Language Information Processing	20	3			1.413	10.1145/3396167
1762	Kumar S.G., Prasad P.D., Raju C.S.K., Shehzad S.A., Bashir M.N., Varma S.V.K.	Three-dimensional magnetized slip flow of Carreau non-Newtonian fluid flow through conduction and radiative chemical reaction	Indian Journal of Physics					1.407	10.1007/s12648- 020-01993-z
1763	Prashar P., Ojjela O., Kambhatla P.K., Das S.K.	Numerical investigation of boundary layer flow past a thin heated needle immersed in hybrid nanofluid	Indian Journal of Physics					1.407	10.1007/s12648- 020-01944-8

1764	Sastry D.R.V.S.R.K., Kumar N.N., Kameswaran P.K., Shaw S.	Unsteady 3D micropolar nanofluid flow through a squeezing channel: application to cardiovascular disorders	Indian Journal of Physics					1.407	10.1007/s12648-020-01951-9
1765	Nashine H.K., Ibrahim R.W., Rhoades B.E., Pant R.	Unified Feng-Liu type fixed point theorems solving control problems	Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales - Serie A: Matematicas	115	1			1.406	10.1007/s13398-020-00937-w
1766	Sundar L.S., Ramana E.V., Said Z., Sekhar Y.R., Chandra Mouli K.V.V., Sousa A.C.M.	Heat transfer, energy, and exergy efficiency enhancement of nanodiamond/water nanofluids circulate in a flat plate solar collector	Journal of Enhanced Heat Transfer	28	2	57	99	1.406	10.1615/JENHHEAT TRANSF.2021036876
1767	Saikrithika S., Kumar A.S.	A selective voltammetric pH sensor using graphitized mesoporous carbon/polyaniline hybrid system	Journal of Chemical Sciences	133	2			1.406	10.1007/s12039-021-01908-3
1768	Hanumantharao R., Kalainathan S.	Microhardness and SHG efficiency of pure and picric acid-added KDP crystals	Bulletin of Materials Science	44	2			1.392	10.1007/s12034-021-02411-8

1769	Prasad A.S., Kumar S.N., Maheswari M.A., Prabhakaran D.	Monolithic heterojunctions of CeO <sub>2</sub> /La <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanocomposites as visible-light capturing photoactive materials for fast and efficient clean-up of persistent pharmaceutical pollutants	Bulletin of Materials Science	44	2			1.392	10.1007/s12034-021-02393-7
1770	Ramasamy L.K., Padinjappurathu S.G., Kadry S., Damaševičius R.	Detection of Diabetic Retinopathy Using a Fusion of Textural and Ridgelet Features of Retinal Images and Sequential Minimal Optimization Classifier	PeerJ Computer Science	7		1	21	1.392	10.7717/PEERJ-CS.456
1771	Bhowmik A., Menon U.	An adaptive cryptosystem on a Finite Field	PeerJ Computer Science	7		1	18	1.392	10.7717/peerj-cs.637
1772	Praveen A., Noorwali A., Samiayya D., Khan M.Z., Durai R.V.P.M., Bashir A.K., Alagupandi V.	ResMem-Net: memory based deep CNN for image memorability estimation	PeerJ Computer Science	7		1	27	1.392	10.7717/peerj-cs.767
1773	Thena T., Mohan K., Prakasam M., Saravanan K.	Early-Middle Pleistocene productivity changes of the Northern Cascadia Margin, Pacific Ocean	Polar Science					1.389	10.1016/j.polar.2021.100659

1774	Kannan C., Vignesh R., Karthick C., Ashok B.	Critical review towards thermal management systems of lithium-ion batteries in electric vehicle with its electronic control unit and assessment tools	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering					1.384	10.1177/09544070 20982865
1775	Arunachalam M., Singh A.K., Karmakar S.	Exploring the association of riders' physical attributes with comfortable riding posture and optimal riding position	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering					1.384	10.1177/09544070 211012553
1776	Joaquin A.A., Nirmala G., Kanakasabai P.	Response surface analysis for sewage wastewater treatment using natural coagulants	Polish Journal of Environmental Studies	30	2	1215	1225	1.383	10.15244/pjoes/12 0515
1777	Feroskhan M., Sreekanth M., Ismail S.	Exergy analysis of a biogas- diesel fuelled dual fuel engine	International Journal of Exergy	36	02-Apr	264	279	1.383	10.1504/IJEX.2021. 118720
1778	Raghuraman P., Ramireddy S., Chakraborty S., Mukherjee S., Sreeshma J., Sudandiradoss C.	Structural localization of pathogenic mutations in the central nucleotide- binding domain (NBD) of nucleotide-binding oligomerization domain- 2 (NOD2) protein and their inference in inflammatory disorders	Nucleosides, Nucleotides and Nucleic Acids	40	12	1198	1219	1.381	10.1080/1525777 0.2021.1986719

1779	Rashmi M., Lekshmi V.N.	Community mobilization during epidemic emergencies: Insights from Kerala	Qualitative Social Work	20	02-Jan	336	342	1.375	10.1177/1473325020973360
1780	Reghukumar A., Anbarasi L.J., Prassanna J., Manikandan R., Al-Turjman F.	Vision based segmentation and classification of cracks using deep neural networks	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	29	Suppl1	141	156	1.375	10.1142/S0218488521400080
1781	Mutra R.R., Srinivas J., Rzȃdkowski R.	An optimal parameter identification approach in foil bearing supported high-speed turbocharger rotor system	Archive of Applied Mechanics					1.374	10.1007/s00419-020-01840-x
1782	Subramani M., Ramamoorthy M.	Assessment on dynamic characterization of the cylindrical laminated composite shallow shell panel through experimental and numerical approach	Archive of Applied Mechanics					1.374	10.1007/s00419-020-01862-5
1783	Karmakar S., Mudiganti J.C.	Design of the interaction cavity for a 110-GHz, 1.5-MW Gyrotron	Journal of Electromagnetic Waves and Applications					1.373	10.1080/09205071.2021.1918265
1784	Alishacelestin X., Sivanantha Raja A., Selvendran S.	A highly birefringent photonic crystal fiber with compact cladding layers suitable for fiber optic gyroscope application	Laser Physics	31	6			1.366	10.1088/1555-6611/ac0049

1785	Rajesh A., Chandru S., Robinson S.	Investigation of defective hybrid cladding with silicon nanocrystal PCF for supercontinuum generation	Laser Physics	31	12			1.366	10.1088/1555-6611/ac32da
1786	Agarwal P., Kayala P., Chandrasekaran N., Mukherjee A., Shah S., Thomas J.	Antioxidant and antibacterial activity of Gelidium pusillum (Stackhouse) against Aeromonas caviae and its applications in aquaculture	Aquaculture International	29	2	845	858	1.363	10.1007/s10499-021-00661-1
1787	Evangeline C.S., Kumaravelu V.B.	Two-Phase Access Network Selection Scheme Based on Weighted Sum and Game Theoretical Approaches for Vehicular Ad Hoc Networks	Journal of Circuits, Systems and Computers					1.363	10.1142/S0218126621502066
1788	Hussain A., Raja M., Vellaisamy P., Krishnan S., Rajendran L.	Enhanced framework for ensemble effort estimation by using recursive-based classification	IET Software	15	3	230	238	1.363	10.1049/sfw2.12020
1789	Devulapalli S., Krishnan R.	Remote sensing image retrieval by integrating automated deep feature extraction and handcrafted features using curvelet transform	Journal of Applied Remote Sensing	15	1			1.36	10.1117/1.JRS.15.016504

1790	Das A., Hazarika B., Panda S.K., Vijayakumar V.	An existence result for an infinite system of implicit fractional integral equations via generalized Darbo's fixed point theorem	Computational and Applied Mathematics	40	4			1.360	10.1007/s40314-021-01537-z
1791	Tang V.T., Rene E.R., Hu L., Behera S.K., Phong N.T., Thi Da C.	Vertical green walls for noise and temperature reduction—An experimental investigation	Science and Technology for the Built Environment					1.356	10.1080/23744731.2021.1911154
1792	Vijayaraj S., Balakrishnan S., Senthilnathan K.	Quasi-Deterministic Secure Quantum Communication Using Non-maximally Entangled States	International Journal of Theoretical Physics	60	1	164	171	1.347	10.1007/s10773-020-04672-1
1793	Sekar P.C., Paul D.M., Srinivasan E., Rajasekaran R.	Unravelling the molecular effect of ocellatin-1, F1, K1 and S1, the frog-skin antimicrobial peptides to enhance its therapeutics—quantum and molecular mechanical approaches	Journal of Molecular Modeling	27	1			1.346	10.1007/s00894-020-04652-6
1794	Singh R., Dhiman M., Saklani A., Immanuel Selvaraj C., Kate A.S.	Isolation and characterization of a novel flavanone glycoside from an endemic plant <i>Haplanthodes neilgherryensis</i>	Journal of Asian Natural Products Research					1.345	10.1080/10286020.2021.1880394

1795	Kumar P.G., Sakthivadivel D., Balaji K., Salman M., Kim S.C.	Performance enhancement of a double- pass solar air heater with a shot-blasted absorber plate and winglets	Journal of Mechanical Science and Technology					1.345	10.1007/s12206- 021-0544-x
1796	Ravi H.K., Natesan Chokkalingam L.	Current ripple reduction to improve electromagnetic torque and flux characteristics in AC drives	International Journal of Electronics					1.336	10.1080/00207217. 2021.1969443
1797	Sasipriya P., Bhaaskaran V.S.K.	Design and Evaluation of Clocked Differential Adiabatic Logic Families for Low Power Applications	International Journal of Electronics					1.336	10.1080/00207217. 2021.1972474
1798	Vinifa R., Kavitha A., Selwynraj A I.	A Comparison of Instantaneous and Extension p-q Methods for Current Controlled Voltage Source Inverter in Microgrid	International Journal of Electronics					1.336	10.1080/0020721 7.2021.2001859
1799	Shaikshavali D., Kannadassan D.	Influence of surface trap states on RF/microwave performance of lateral AlGaN/GaN Schottky barrier diode	Journal of Electromagnetic Waves and Applications					1.335	10.1080/09205071. 2021.1956374
1800	David H.B.F., Suruliandi A., Raja S.P.	Stacked Framework for Ensemble of Heterogeneous Classification Algorithms	Journal of Circuits, Systems and Computers					1.333	10.1142/S0218126 621502698



1801	Mubashar A., Asghar K., Javed A.R., Rizwan M., Srivastava G., Gadekallu T.R., Wang D., Shabbir M.	Storage and Proximity Management for Centralized Personal Health Records Using an IPFS-based Optimization Algorithm	Journal of Circuits, Systems and Computers					1.333	10.1142/S0218126 622500104
1802	Fernau H., Kuppusamy L., Oladele R.O., Raman I.	Improved Descriptive Complexity Results for Simple Semi-Conditional Grammars	Fundamenta Informaticae	181	02-Mar	189	211	1.333	10.3233/FI-2021- 2056
1803	Bhardwaj A., Kumar M., Stephan T., Shankar A., Ghalib M.R., Abujar S.	IAF: IoT attack framework and unique taxonomy	Journal of Circuits, Systems and Computers					1.333	10.1142/S021812 6622500293
1804	Painam R.K., Manikandan S.	A comprehensive review of SAR image filtering techniques: systematic survey and future directions	Arabian Journal of Geosciences	14	1			1.327	10.1007/s12517- 020-06416-1
1805	Sawant S.S., Manoharan P., Loganathan A.	Band selection strategies for hyperspectral image classification based on machine learning and artificial intelligent techniques –Survey	Arabian Journal of Geosciences	14	7			1.327	10.1007/s12517- 021-06984-w
1806	Divya J., Selvendran S., Raja A.S., Sivasubramanian A.	Graphene-Au-Coated Plasmonic Sensor Based on D-Shaped Bezier Polygonal Hollow Core Photonic Crystal Fiber	Brazilian Journal of Physics	51	5	1314	1323	1.326	10.1007/s13538- 021-00969-6

1807	Alam P., Jena S., Badruddin I.A., Khan T.M.Y., Kamangar S.	Attenuation and dispersion phenomena of shear waves in anelastic and elastic porous strips	Engineering Computations (Swansea, Wales)					1.322	10.1108/EC-07-2020-0381
1808	Nallagonda S., Mamidi R., Bhowmick A.	Analysis of energy-efficient cooperative spectrum sensing with improved energy detectors and multiple antennas over Nakagami-q/n fading channels	International Journal of Communication Systems	34	5			1.319	10.1002/dac.4731
1809	Vergin Raja Sarobin M., Jani Anbarasi L., Prassanna J., Manikandan R., Al- Turjman F.	Swarm intelligence-based optimal device deployment in heterogeneous Internet of Things networks for wind farm application	International Journal of Communication Systems					1.319	10.1002/dac.4779
1810	Keerthika A., Berlin Hency V.	Energy aware tree-based sink relocation routing protocol to improve the lifetime of wireless sensor networks	International Journal of Communication Systems					1.319	10.1002/dac.4816
1811	Kumar P., Bhowmick A.	Hybrid spectrum access in a cognitive radio-enabled cooperative device-to-device network	International Journal of Communication Systems					1.319	10.1002/dac.4861
1812	Murali P., Verma K., Rungrotmongkol T., Thangavelu P., Karuppasamy R.	Targeting the Autophagy Specific Lipid Kinase VPS34 for Cancer Treatment: An Integrative Repurposing Strategy	Protein Journal					1.317	10.1007/s10930-020-09955-4

1813	Helen S., Kumar A.R.	Co-doping of ions on structural, mechanical, dielectric, and surface analysis on hydroxyapatite composites	Journal of the Australian Ceramic Society					1.307	10.1007/s41779-021-00589-y
1814	Segaran G., Sathiavelu M.	Antibacterial activity of an ornamental plant <i>Hippeastrum fosteri</i>	Bangladesh Journal of Pharmacology	16	2	49	51	1.306	10.3329/bjp.v16i2.52655
1815	Velmurugan K., Venkumar P., Sudhakarapandian R.	Performance Analysis of Tyre Manufacturing System in the SMEs Using RAMD Approach	Mathematical Problems in Engineering	2021				1.305	10.1155/2021/6616037
1816	Sharma M.K., Dhiman N., Mishra L.N., Mishra V.N., Sahani S.K.	Mediative Fuzzy Extension Technique and Its Consistent Measurement in the Decision Making of Medical Application	Mathematical Problems in Engineering	2021				1.305	10.1155/2021/5530681
1817	Sivakumar M., Lenin N., Jayakrishna K., Prasath N.E.	Minimizing Cost of Assembly of an Interrelated Dimensional Chain Product Using ABC Algorithm	Mathematical Problems in Engineering	2021				1.305	10.1155/2021/9811204
1818	Karthigeyan A., Radha S., Manikandan E.	Single event transient mitigation techniques for a cross-coupled LC oscillator, including a single-event transient hardened CMOS LC-VCO circuit	IET Circuits, Devices and Systems					1.297	10.1049/cds2.12094

1819	Priya G., Kumar U.N., Madhan B., Manjubala I.	Development of carboxymethylcellulose based composites for bone tissue engineering	Bioinspired, Biomimetic and Nanobiomaterials	10	2	61	69	1.291	10.1680/jbibn.20.00045
1820	Kumar S.S., Sundaram K., Padmanaban S., Holm-Nielsen J.B., Blaabjerg F.	A low power and soft error resilience guard-gated Quatro-based flip-flop in 45 nm CMOS technology	IET Circuits, Devices and Systems					1.290	10.1049/cds2.12052
1821	Abirami R.N., Vincent P.M.D.R.	Identity preserving multi-pose facial expression recognition using fine tuned VGG on the latent space vector of generative adversarial network	Mathematical Biosciences and Engineering	18	4	3699	3717	1.285	10.3934/mbe.2021186
1822	Natarajan K., Murugan J.N., Sathiyavageeswaran S., Venkatakrishnan L.	Image-based analysis of interactions between a steady jet and an impulsively started jet	Journal of Spacecraft and Rockets	58	6	1671	1680	1.282	10.2514/1.A34977
1823	Asu S.P., Sompalli N.K., Mohan A.M., Deivasigamani P.	Chromatographic separation of fluoroquinolone drugs and drug degradation profile monitoring through quality-by-design concept	Journal of Chromatographic Science	59	1	55	63	1.280	10.1093/chromsci/bmaa076

1824	Kumar N., Sangeetha D., Kalyanraman L.	Stability-indicating RP-HPLC method for the estimation of process-related impurities and degradation products in fesoterodine fumarate by using a mass spectrometric compatible mobile phase	Journal of Chromatographic Science	59	2	154	164	1.280	10.1093/chromsci/bmaa090
1825	Kaluri R., Rajput D.S., Xin Q., Lakshmana K., Bhattacharya S., Gadekallu T.R., Maddikunta P.K.R.	Roughsets-based approach for predicting battery life in iot	Intelligent Automation and Soft Computing	27	2	453	469	1.276	10.32604/iasc.2021.014369
1826	Sivamani C., Rajeswari M., Julie E.G., Robinson Y.H., Shanmuganathan V., Kadry S., Nam Y.	Tyre inspection through multi-state convolutional neural networks	Intelligent Automation and Soft Computing	27	1	1	13	1.276	10.32604/iasc.2021.013705
1827	Wu H., Sangaiah A.K.	Oral english speech recognition based on enhanced temporal convolutional network	Intelligent Automation and Soft Computing	28	1	121	132	1.276	10.32604/iasc.2021.016457
1828	Venugopal D., Jayasankar T., Krishnaraj N., Venkatraman S., Prakash N.B., Hemalakshmi G.R.	Multifactorial disease detection using regressive multi-array deep neural classifier	Intelligent Automation and Soft Computing	28	1	27	38	1.276	10.32604/iasc.2021.015205

1829	Wibneh A., Singh A.K., Karmakar S.	Understanding the synthesis of anthropometric diversity and workspace dimensions in ergonomic design of light armored vehicle	Human Factors and Ergonomics In Manufacturing					1.271	10.1002/hfm.20893
1830	Vinoth B., Elango N.M.	An effective data mining techniques based optimal paddy yield cultivation: a rational approach	Paddy and Water Environment					1.262	10.1007/s10333-021-00845-8
1831	Wang P., Chen F.-H., Eckert J., Pilz S., Scudino S., Prashanth K.G.	Microstructural evolution and mechanical properties of selective laser melted Ti-6Al-4V induced by annealing treatment [退火处理对激光选区激光熔化成形 Ti-6Al-4V 合金的显微组织和力学性能影响]	Journal of Central South University	28	4	1068	1077	1.249	10.1007/s11771-021-4680-3
1832	Rajasabai S.P., Koppolu U.M.K.	Structural and Magnetic Properties of Mn <sub>2</sub> Ge: a First Principle Study	Journal of Superconductivity and Novel Magnetism					1.244	10.1007/s10948-021-05871-5
1833	Srivastav A.K., Ghosh M.	Modeling the transmission dynamics of malaria with saturated treatment: a case study of India	Journal of Applied Mathematics and Computing					1.242	10.1007/s12190-020-01469-7

1834	Anitha S., Thomas T., Parthiban V., Pichumani M.	Modeling of Newtonian and non-Newtonian-based coolants for deployment in industrial length-scale shell and tube heat exchanger	International Journal of Modern Physics C					1.228	10.1142/S0129183121500856
1835	Vineeth V.K., Patel D.K.	Propulsion performance and wake transitions of a customized heaving airfoil	International Journal of Modern Physics C					1.228	10.1142/S0129183121501175
1836	Bezawada S., Rajyalakshmi G.	Mechanical and Microstructural Characteristics of Gas Tungsten Arc Welded Similar and Dissimilar Joints of SS-316 L and Hastelloy C276	Transactions of the Indian Institute of Metals					1.205	10.1007/s12666-021-02265-y
1837	Kannan A.R., Shanmugam N.S., Ramkumar K.D., Rajkumar V.	Studies on Super Duplex Stainless Steel Manufactured by Wire Arc Additive Manufacturing	Transactions of the Indian Institute of Metals					1.205	10.1007/s12666-021-02257-y
1838	Chakraborty C., Sharma A.R., Sharma G., Bhattacharya M., Patra B.C., Sarkar B.K., Banerjee S., Banerjee K., Lee S.-S.	Understanding the molecular evolution of tiger diversity through DNA barcoding marker ND4 and NADH dehydrogenase complex using computational biology	Genes and Genomics					1.188	10.1007/s13258-021-01089-w

1839	Gundabattini E., Mystkowski A., Raja Singh R., Gnanaraj S.D.	Water cooling, PSG, PCM, Cryogenic cooling strategies and thermal analysis (experimental and analytical) of a Permanent Magnet Synchronous Motor: a review	Sadhana - Academy Proceedings in Engineering Sciences	46	3			1.188	10.1007/s12046- 021-01650-z
1840	Gopidesi R.K., Sr P., Dhana Raju V.	Mitigation of harmful exhaust pollutants of DI diesel engine using emulsified fuel and hythane gas in a dual-fuel mode	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036. 2020.1861131
1841	Chhabra M., Saini B.S., Dwivedi G., Behura A.K., Kumar A., Jain S., Sarin A., Verma P.	Investigation of the shelf life of the optimized Neem biodiesel and its execution and excretion characteristics on automotive diesel engine	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036. 2021.1881658
1842	Nuvvula R., Devaraj E., Srinivasa K.T.	A Comprehensive Assessment of Large-scale Battery Integrated Hybrid Renewable Energy System to Improve Sustainability of a Smart City	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036. 2021.1905109



1843	Raghavulu K.V., Rasu N.G.	AN EXPERIMENTAL STUDY ON THE IMPROVEMENT OF COEFFICIENT OF PERFORMANCE IN VAPOR COMPRESSION REFRIGERATION SYSTEM USING GRAPHENE LUBRICANT ADDITIVES	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036. 2021.1909186
1844	Sridharan N.V., Sugumaran V.	Convolutional Neural Network based Automatic Detection of Visible Faults in a Photovoltaic Module	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036. 2021.1905753
1845	Chelliah A., Saboor S., Ghosh A., Kontoleon K.J.	Thermal Behaviour Analysis and Cost-Saving Opportunities of PCM- Integrated Terracotta Brick Buildings	Advances in Civil Engineering	2021				1.176	10.1155/2021/667 0930
1846	Richa, Bedi P.	Trust and Distrust based Cross-domain Recommender System	Applied Artificial Intelligence	35	4	326	351	1.172	10.1080/08839514. 2021.1881297

1847	Sundararajan M., Vidhya J., Revathi R., Sukumar M., Ravi V., Rajkumar R., Kamalakannan M., Dash C.S., Lohedan H., Ramalingam R.J., Arokiyaraj S.	Study of physical and magnetic properties of Mg:Co3O4 spinels using L-arginine as fuel	Journal of Ovonic Research	17	5	479	486	1.165	
1848	Ezhilarasan E., Dinakaran M.	Privacy preserving and data transpiration in multiple cloud using secure and robust data access management algorithm	Microprocessors and Microsystems	82				1.161	10.1016/j.micpro.2021.103956
1849	D A., A A.F.	Human head pose estimation based on HF method	Microprocessors and Microsystems	82				1.161	10.1016/j.micpro.2020.103802
1850	Chen J., Ramanathan L., Alazab M.	Holistic big data integrated artificial intelligent modeling to improve privacy and security in data management of smart cities	Microprocessors and Microsystems	81				1.161	10.1016/j.micpro.2020.103722
1851	B T., K V., A K.	Optimized mobile cloud resource discovery architecture based on dynamic cognitive and intelligent technique	Microprocessors and Microsystems	81				1.161	10.1016/j.micpro.2020.103716

1852	Sujatha R., Chatterjee J.M., Jhanjhi N.Z., Brohi S.N.	Performance of deep learning vs machine learning in plant leaf disease detection	Microprocessors and Microsystems	80				1.161	10.1016/j.micpro.2 020.103615
1853	Bhoi S.K., Jena K.K., Panda S.K., Long H.V., Kumar R., Subbulakshmi P., Jebreen H.B.	An Internet of Things assisted Unmanned Aerial Vehicle based artificial intelligence model for rice pest detection	Microprocessors and Microsystems	80				1.161	10.1016/j.micpro.2 020.103607
1854	J M., S P., P J., V M., B S.K., P S.	Route manipulation aware Software-Defined Networks for effective routing in SDN controlled MANET by Disney Routing Protocol	Microprocessors and Microsystems	80				1.161	10.1016/j.micpro.2 020.103401
1855	Singh Kang A., Singh G., Chawla V., Prakash C., Radhakrishnan R., Wu L.Y., Zheng H.Y.	Characterization and Electrochemical Corrosion Analysis of Heat-Treated Reinforced Ha Coatings Deposited by Vacuum Plasma Spray Technique	Surface Review and Letters					1.152	10.1142/S0218625 X21410031
1856	Rajamurugan G., Krishnasamy P., Bhushan G.D., Jeyakumar P.D.	Influence of Temperature, Impingement Angle, Velocity and Standoff Distance on the Erosion Characteristics of Inconel 718 and Ti-6Al- 4V	Surface Review and Letters					1.152	10.1142/S021862 5X22500111

1857	Singh F.V., Wirth T.	Hypervalent iodine chemistry and light: Photochemical reactions involving hypervalent iodine chemistry	Arkivoc	2021	7			1.140	10.24820/ARK.5550190.P011.483
1858	Baig M.G.A.H., Kesh D., Sodani C.	Storing four elements in the two query bitprobe model	Discrete Applied Mathematics					1.139	10.1016/j.dam.2021.05.008
1859	Muthuvel S.K., Choukiker Y.K.	Wideband Frequency Agile and Polarization Reconfigurable Antenna for Wireless Applications	IETE Journal of Research					1.125	10.1080/03772063.2020.1871421
1860	Ketham R., Althuwayb A.A., Kumar A.	Low-profile Magneto-electric Dipole Antenna	IETE Journal of Research					1.125	10.1080/03772063.2021.1873200
1861	Thiagarajan K., Deepa T.	A Comprehensive Review of High-frequency Transmission Inverters for Magnetic Resonance Inductive Wireless Charging Applications in Electric Vehicles	IETE Journal of Research					1.125	10.1080/03772063.2021.1905089
1862	Venugopal P., Vigneswaran T., Reka S S.	State of Charge Estimation of Lithium Batteries in Electric Vehicles Using IndRNN	IETE Journal of Research					1.125	10.1080/03772063.2021.1906770
1863	Ventakasubbu P., Ramasubramanian P.	Deep Learning-based Brain Tumour Segmentation	IETE Journal of Research					1.125	10.1080/03772063.2021.1919219
1864	Shaik R.A., Rufus E.	Recent trends and role of large area flexible electronics in shape sensing application – a review	Industrial Robot					1.123	10.1108/IR-10-2020-0234

1865	Nagajothi S., Elavenil S.	Shear prediction of geopolymer concrete beams using Basalt / Glass FRP bars	Journal of Advanced Concrete Technology	19	3	216	225	1.103	10.3151/jact.19.216
1866	Suriani M.J., Sapuan S.M., Ruzaidi C.M., Naveen J., Syukriyah H., Ziefarina M.	Correlation of manufacturing defects and impact behaviors of kenaf fiber reinforced hybrid fiberglass/Kevlar polyester composite [Korelacja defektów produkcyjnych i odporności na uderzenie poliestrowego kompozytu hybrydowego włókno szklane/Kevlar wzmocnionego włóknem kenaf]	Polimery/Polymers	66	1	30	35	1.097	10.14314/POLIMERY.2021.1.4
1867	Malathi V., Gopinath M.P.	Classification of pest detection in paddy crop based on transfer learning approach	Acta Agriculturae Scandinavica Section B: Soil and Plant Science					1.092	10.1080/09064710.2021.1874045
1868	Karunanithi K., Raja S.P., Rayaguru N.K., Saravanan S., Kannan S.	An assessment of GHG mitigation potential by electricity expansion planning using LEAP model	International Journal of Global Warming	25	2	135	149	1.086	10.1504/IJGW.2021.118356

1869	Cai L., Yue P., Ghosh M., Li X.	Assessing the impact of agrochemicals on schistosomiasis transmission: A mathematical study	International Journal of Biomathematics					1.085	10.1142/S1793524521500492
1870	Radhakrishnan S., Sugesh R.G.J., Raja G.T., Kumar D.S.	Numerical investigation on Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> -assisted reconfigurable asymmetric directional coupler-based switches	Optical Engineering	60	5			1.084	10.1117/1.OE.60.5.055104
1871	Reddy B.L., Ramachandran P., Nelleri A.	Optimal Fresnelet sparsification for compressive complex wave retrieval from an off-axis digital Fresnel hologram	Optical Engineering	60	7			1.084	10.1117/1.OE.60.7.073102
1872	Rajendran K., Coyne C.J., Zheng P., Saha G., Main D., Amin N., Ma Y., Kisha T., Bett K.E., McGee R.J., Kumar S.	Genetic diversity and GWAS of agronomic traits using an ICARDA lentil ( <i>Lens culinaris Medik.</i> ) Reference plus collection	Plant Genetic Resources: Characterisation and Utilisation					1.080	10.1017/S147926212100006X
1873	Gandhmal D.P., Kumar K.	Wrapper-Enabled Feature Selection and CPLM-Based NARX Model for Stock Market Prediction	Computer Journal	64	2	169	184	1.077	10.1093/comjnl/bxaa099
1874	Mishra N., Chaudhary R.K.	Compact Band-Pass Filter Using Modified $\Omega$ -shaped Resonator and Source Load Coupling for Transmission Zero Improvement	Radioengineering	30	1	111	116	1.076	10.13164/re.2021.0111

1875	Chittathuru D., Padmanaban S., Prasad R.	Design and Implementation of Asymmetric Cascaded Multilevel Inverter with Optimal Components	Electric Power Components and Systems					1.071	10.1080/15325008. 2021.1970290
1876	Jannu Vinay Gopal, Reddy M.J.K., Kannabiran K.	Immobilization of an Antibacterial Compound from Streptomyces sp. onto Multi-Walled Carbon Nanotubes	Russian Journal of Electrochemistry	57	1	92	96	1.063	10.1134/S1023193 521010043
1877	Lathabhavan R.	First and Second Waves of COVID-19: A Comparative Study on the Impact of Pandemic Fear on the Mental Health of University Students in India	Journal of Loss and Trauma					1.063	10.1080/15325024. 2021.1950432
1878	Lathabhavan R., Kurikkal M.P.M.M., Manoj N., Barami. A N.	Mental Health Concerns Due to Pandemic Fear and Financial Distress on Employees in India during the Pandemic: A Cross-Sectional Multi- Group Study	Journal of Loss and Trauma					1.063	10.1080/1532502 4.2021.1989190
1879	Shekhar S.K.	Bibliometric Visualization of Trauma and COVID-19	Journal of Loss and Trauma					1.063	10.1080/1532502 4.2021.2005349
1880	Geetha R., Madhusudanan V., Srinivas M.N.	Influence of Clamor on the Transmission of Worms in Remote Sensor Network	Wireless Personal Communications					1.061	10.1007/s11277- 020-08024-4

1881	Rustagi A., Shukla M., Samuel F., Kumar S.A., Banerjee A., Ramaswamy S., Ramanathan L.	Data Analysis and Interpretation in IoT-Based Systems for Critical Medical Services and Healthcare Applications	Wireless Personal Communications					1.061	10.1007/s11277-020-08052-0
1882	Balraj S., Leelasankar K., Ayyanar A., Yesudhas H.R., Kumar R., Long H.V., Hoang Son L.	An Effective Traceback Network Attack Procedure for Source Address Verification	Wireless Personal Communications					1.061	10.1007/s11277-021-08110-1
1883	Duraimurugan S., Avudaiammal R., Vincent P.M.D.R.	Enhanced QoS Through Optimized Architecture for Video Streaming Applications in Heterogeneous Networks	Wireless Personal Communications					1.061	10.1007/s11277-021-08109-8
1884	Robinson Y.H., Vimal S., Julie E.G., Lakshmi Narayanan K., Rho S.	3-Dimensional Manifold and Machine Learning Based Localization Algorithm for Wireless Sensor Networks	Wireless Personal Communications					1.061	10.1007/s11277-021-08291-9
1885	Pradeep S., Muthurajkumar S., Ganapathy S., Kannan A.	A Matrix Translation and Elliptic Curve Based Cryptosystem for Secured Data Communications in WSNs	Wireless Personal Communications					1.061	10.1007/s11277-021-08221-9
1886	Kejriwal P., Kaur J., Sasikumar P.	Vehicle Localization Enhancement Using VANETS with Driver Safety Assistance	Wireless Personal Communications					1.061	10.1007/s11277-021-08305-6



1887	Florence Gnana Poovathy J., Sankararajan R.	Split–Process–Merge Technique-Based Algorithm for Accelerated Recovery of Compressively Sensed Images and Videos	Wireless Personal Communications					1.061	10.1007/s11277-020-08003-9
1888	Madhusudanan V., Srinivas M.N., Sridhar S.	Effect of Noise on Pandemic Structure for Proliferation of Malevolent Nodes in Remote Sensor Network	Wireless Personal Communications					1.061	10.1007/s11277-021-08224-6
1889	Wategaonkar D.N., Nagaraj S.V., Reshmi T.R.	Multi-hop Energy-Efficient Reliable Cluster-based Sectoring Scheme Using Markov Chain Model to Improve QoS Parameters in a WSN	Wireless Personal Communications					1.061	10.1007/s11277-021-08217-5
1890	Lakshmi Narayanan K., Santhana Krishnan R., Golden Julie E., Harold Robinson Y., Shanmuganathan V.	Machine Learning Based Detection and a Novel EC-BRTT Algorithm Based Prevention of DoS Attacks in Wireless Sensor Networks	Wireless Personal Communications					1.061	10.1007/s11277-021-08277-7
1891	Kayarga T., Kumar S.A.	A Study on Various Technologies to Solve the Routing Problem in Internet of Vehicles (IoV)	Wireless Personal Communications					1.061	10.1007/s11277-021-08220-w

1892	Srinivas M.N., Madhusudanan V., Murty A.V.S.N., Tapas Babu B.R.	A Review Article on Wireless Sensor Networks in View of E-epidemic Models	Wireless Personal Communications					1.061	10.1007/s11277- 021-08436-w
1893	Robinson Y.H., Lawrence T.S., Julie E.G., Vimal S.	Development of Fuzzy Enabled Coverage Hole Detection Algorithm in Wireless Sensor Networks	Wireless Personal Communications					1.061	10.1007/s11277- 021-08424-0
1894	Robinson Y.H., Julie E.G., Jacob I.J., Lawrence T.S., Saravanan V., Darney P.E.	Enhanced Energy Proficient Encoding Algorithm for Reducing Medium Time in Wireless Networks	Wireless Personal Communications					1.061	10.1007/s11277- 021-08421-3
1895	Magidi S., Jabeena A.	Free Space Optics, Channel Models and Hybrid Modulation Schemes: A Review	Wireless Personal Communications					1.061	10.1007/s11277- 021-08380-9
1896	Priya T.S., Manish K., Prakasam P.	Hybrid Beamforming for Massive MIMO Using Rectangular Antenna Array Model in 5G Wireless Networks	Wireless Personal Communications					1.061	10.1007/s11277- 021-08455-7
1897	Gopala Krishnan C., Golden Julie E., Harold Robinson Y.	Inherent Security-aware Resource Utilizing Methodology for Cloud Environments	Wireless Personal Communications					1.061	10.1007/s11277- 021-08431-1
1898	Dantu V.V.R., Sai Dasaradha V.V.S., Sasikumar P.	Unified Automotive Location Tracking Using Android Things (IoT)	Wireless Personal Communications					1.061	10.1007/s11277- 021-08434-y

1899	Sharma A., Sangeetha R.G.	Hardware Implementation of Contention Resolution in a 4 × 4 Torus Network with Binary Optimized Routing Algorithm	Wireless Personal Communications					1.061	10.1007/s11277-021-08540-x
1900	Selvakumar S., Manivannan S.S.	A Spectrum Defragmentation Algorithm Using Jellyfish Optimization Technique in Elastic Optical Network (EON)	Wireless Personal Communications					1.061	10.1007/s11277-021-08572-3
1901	Gandhi U.D., Malarvizhi Kumar P., Chandra Babu G., Karthick G.	Sentiment Analysis on Twitter Data by Using Convolutional Neural Network (CNN) and Long Short Term Memory (LSTM)	Wireless Personal Communications					1.061	10.1007/s11277-021-08580-3
1902	Karthikeyan A., Prakasam P., Karthik S., Ajayan J., Sai Gokul S.	Automata Theory-based Energy Efficient Area Algorithm for an Optimal Solution in Wireless Sensor Networks	Wireless Personal Communications					1.061	10.1007/s11277-021-08507-y
1903	Srinivasan N., Kumaran S.S.	The Effects of Strain on Stability of Passivation in Austenitic Stainless Steels: Comparison with Heat Treatment	Experimental Techniques					1.058	10.1007/s40799-020-00434-0

1904	Nalajam P.K., Varadarajan R.	Experimental and Theoretical Investigations on Cold Metal Transfer Welds Using Neural Networks: A Computational Model of Weld Geometry	Experimental Techniques					1.058	10.1007/s40799- 021-00451-7
1905	Menaka R., Aarthy M.T., Chavan R.M., Perumal R.C., Menon M.S.	Recurrence quantification analysis of EEG signals for children with ASD	Journal of Scientific and Industrial Research	80	5	438	448	1.056	
1906	Nandagopal K.R., Selvakumar A., Raja D.	Effect of atmospheric pressure oxygen plasma treatment on bonding characteristics of basalt fibre reinforced concrete	Fibres and Textiles in Eastern Europe	29	4	90	93	1.045	10.5604/01.3001.0 014.6348
1907	Mohapatra S., Vidya T., Kumar D.V., Rajwin A.J., Babu V.R., Prakash C., Shah B.A., Roy R.	Study of thermal comfort properties of different kinds of polyester knitted fabrics	Fibres and Textiles in Eastern Europe	29	5	50	55	1.045	10.5604/01.3001. 0014.9297
1908	Fernau H., Kuppusamy L., Oladele R.O., Raman I.	Improved descriptive complexity results on generalized forbidding grammars	Discrete Applied Mathematics					1.041	10.1016/j.dam.202 0.12.027
1909	Divya A., Manimaran A.	Computation of certain topological indices for 2D nanotubes	Ricerche di Matematica					1.034	10.1007/s11587- 021-00660-7

1910	Gopi Kiran M., Das R., Behera S.K., Pakshirajan K., Das G.	Modelling a rotating biological contactor treating heavy metal contaminated wastewater using artificial neural network	Water Science and Technology: Water Supply	21	5	1895	1912	1.033	10.2166/ws.2020.304
1911	Purushothaman Y., Humm J., Jebaseelan D., Yoganandan N.	Neck Vertebral Level-specific Forces and Moments under G-xAccelerative Loading	Military Medicine	186		625	631	1.025	10.1093/milmed/uaa338
1912	Choi H., Purushothaman Y., Baisden J.L., Rajasekaran D., Jebaseelan D., Yoganandan N.	Comparative Finite Element Modeling Study of Anterior Cervical Arthrodesis Versus Cervical Arthroplasty with Bryan Disc or Prodisc C.	Military Medicine	186	Supplement_1	737	744	1.025	10.1093/milmed/uaa378
1913	Saravanakumar C., Geetha M., Manoj Kumar S., Manikandan S., Arun C., Srivatsan K.	An Efficient Technique for Virtual Machine Clustering and Communications Using Task-Based Scheduling in Cloud Computing	Scientific Programming	2021				1.025	10.1155/2021/5586521
1914	Chowdhury S., Kundu S., Alam P., Gupta Sh.	Dispersion of Stoneley waves through the irregular common interface of two hydrostatic stressed MTI media	Scientia Iranica	28	2 B	837	846	1.017	10.24200/SCI.2020.52653.2820

1915	Ilamurugu A., Chandrasekaran A., Ayyalusamy A., Prasanna Satpathy S., Reddy J.M., Arora S., Subramanian S., Velayudham R.	Volumetric and dosimetric impact of MRI in delineation of gross tumor volume of non-spinal vertebral metastases treated with stereotactic ablative radiation therapy [Impact volumétrique et dosimétrique de l'IRM sur la délimitation du volume tumoral macroscopique des métastases vertébrales non spinales traitées par rirradiation ablative stéréotaxique]	Cancer/Radiothe rapie					1.014	10.1016/j.canrad.2 020.06.032
1916	Uma Sathyakam P., Banerjee A., Mallick P.S.	Waveform analysis of carbon nanotube interconnects connected to various driver/load circuits	International Journal of Electronics					1.004	10.1080/00207217. 2020.1870741
1917	Dinaka raj S., Ezhilarasi A.	Integrated Hybrid Converter Topology with Single DC Input and Simultaneous DC and AC Outputs using SHORFA Technique	International Journal of Electronics					1.004	10.1080/00207217. 2020.1870747
1918	Kingsly S., Kanagasabai M., Alsath M.G.N., Subbaraj S., Palaniswamy S.K., Bhuvanewari B.	Switchable Resonator Based Reconfigurable Bandpass / Bandstop Microstrip Filter	International Journal of Electronics					1.004	10.1080/00207217. 2021.1908613

1919	Shetgaonkar S.E., Singh F.V.	Hypervalent iodine-mediated synthesis and late-stage functionalization of heterocycles	Arkivoc	2020				1.003	10.24820/ARK.5550190.P011.418
1920	Udayaraja G.K., Arnold Emerson I.	Network-based gene deletion analysis identifies candidate genes and molecular mechanism involved in clear cell renal cell carcinoma	Journal of Genetics	100	1			0.993	10.1007/s12041-021-01260-y
1921	Solanki R., Varshney A., Gourishetty R., Minase S., Sivadas N., Mahajan A.	Correction in Active Cases Data of COVID-19 for the US States by Analytical study	Disaster Medicine and Public Health Preparedness					0.977	10.1017/dmp.2021.130
1922	Dey D., Dey N., Ghosh S., Thiagarajan P.	In silico studies predict efficient binding of remdesivir and favipiravir with 3-chymotrypsin like protease of SARS-CoV-2 for COVID-19 interventional therapy	Indian Journal of Pharmaceutical Sciences	83	3	556	561	0.975	10.36468/pharmaceutical-sciences.805
1923	Sathish Kumar K., Naren Shankar R., Anusindhiya K., Senthil Kumar B.R.	Numerical analysis of supersonic co-flow jet with varying lip thickness	Aircraft Engineering and Aerospace Technology					0.975	10.1108/AEAT-05-2021-0143

1924	Katturajan R., Sabina E.P.	Joint inflammation: Insights of osteoarthritis, gouty and rheumatoid arthritis and its prevalence, mechanism, medications and remedies	Indian Journal of Pharmaceutical Sciences	83	5	886	898	0.975	10.36468/pharmac eutical- sciences.840
1925	Karthikeyan K.R., Murugusundaramo orthy G., Purohit S.D., Suthar D.L.	Certain Class of Analytic Functions with respect to Symmetric Points Defined by Q -Calculus	Journal of Mathematics	2021				0.971	10.1155/2021/829 8848
1926	Shil S., Nashine H.K.	Latest Inversion-Free Iterative Scheme for Solving a Pair of Nonlinear Matrix Equations	Journal of Mathematics	2021				0.971	10.1155/2021/266 7885
1927	Tang H., Vijaya K., Murugusundaramo orthy G., Sivasubramanian S.	Partial sums and inclusion relations for analytic functions involving (p, q)- differential operator	Open Mathematics	19	1	329	337	0.963	10.1515/math- 2021-0028
1928	Vijayakumar V., Udhayakumar R., Kavitha K.	On the approximate controllability of neutral integro-differential inclusions of sobolev-type with infinite delay	Evolution Equations and Control Theory	10	2	271	296	0.953	10.3934/eect.2020 066
1929	Shankar S., Sathiavelu M.	Antibacterial activity of dracaena lisa	Bangladesh Journal of Pharmacology	16	3	84	86	0.930	10.3329/bjp.v16i3. 53018
1930	Segaran G., Sathiavelu M.	Antibacterial activity of alternanthera versicolor	Bangladesh Journal of Pharmacology	16	3	114	116	0.930	10.3329/BJP.V16I 3.54940



1931	Erukulla K.K., Suseem S.R.	Bio-analytical method development and validation for estimation of zaltoprofen in human plasma by reverse phase-hplc method	Current Pharmaceutical Analysis	17	6	774	781	0.923	10.2174/15734129 1699920040910553 0
1932	Nivedha S., Senthilnathan K.	A compact high sensitive D shape surface plasmon sensor	Indian Journal of Pure and Applied Physics	59	7	483	489	0.923	
1933	Johnson J.C., Qureshi P.J., Ishakapte, Niyogi S., Madhuri W.	Electric and dielectric studies on modified lithium germanate	Indian Journal of Pure and Applied Physics	59	10	711	714	0.923	
1934	Arthisree D., Joshi G.M., Madhuri W.	Photosensitivity of graphene quantum dots dispersed polyvinyl butyral nanocomposites	Indian Journal of Pure and Applied Physics	59	11	775	778	0.923	
1935	Deepakkumar R., Jayavel S.	Effect of rotating control cylinder location on vortex shedding behind a main cylinder	Fluid Dynamics Research	53	1			0.918	10.1088/1873-7005/abd1d1
1936	Shanmuganathan V., Kalaivani L., Kadry S., Suresh A., Harold Robinson Y., Lim S.	Eeccrn: Energy enhancement with css approach using q-learning and coalition game modelling in crn	Information Technology and Control	50	1	171	187	0.905	10.5755/J01.ITC.50.1.27494

1937	Latha N., Barathi D., Uthaya Kumar M., Vennila K.N., Vinitha G., Mani R., Louhi-Kultanen M., Bardak F., Atac A., Kose E.	Structural, theoretical and third order nonlinear optical properties of (E)-N'-(4-chlorobenzylidene)-4-fluorobenzohydrazide monohydrate	Molecular Crystals and Liquid Crystals					0.896	10.1080/15421406.2021.1913541
1938	Vivek P., Rekha M., Suvitha A., Kumar G.S., Jauhar R.M., Mahesh M., Kowsalya M., Steephen A.	Optical limiting behavior, nonlinear optical studies, geometrical descriptors, chemical properties data, topology analysis on tetraethylammonium L-tartrate dihydrate crystals	Molecular Crystals and Liquid Crystals					0.896	10.1080/15421406.2021.2012329
1939	Alishacelestin X., Raja A.S., Muthu K.E., Selvendran S.	A Novel Ultra-high Birefringent Photonic Crystal Fiber for Nonlinear Applications	Brazilian Journal of Physics					0.895	10.1007/s13538-020-00853-9
1940	Tejasvi U., Eithiraj R.D., Balakrishnan S.	Study of potential games using Ising interaction	International Journal of Quantum Information					0.890	10.1142/S0219749921500349
1941	Jacob J.J., Suthindhiran K.	Efficiency of Immobilized Enzymes on Bacterial Magnetosomes	Applied Biochemistry and Microbiology	57	5	603	610	0.886	10.1134/S0003683821050082

1942	Amourah A., Frasin B.A., Murugusundaramo orthy G., Al- Hawary T.	Bi-bazilevič functions of order $\vartheta + i\delta$ associated with (P, q)- lucas polynomials	AIMS Mathematics	6	5	4296	4305	0.882	10.3934/math.2021 254
1943	Long P., Li X., Murugusundaramo orthy G., Wang W.	The fekete-szegő type inequalities for certain subclasses analytic functions associated with petal shaped region	AIMS Mathematics	6	6	6087	6106	0.882	10.3934/math.2021 357
1944	Karthikeyan K.R., Murugusundaramo orthy G., Cho N.E.	Some inequalities on bazilevič class of functions involving quasi- subordination	AIMS Mathematics	6	7	7111	7124	0.882	10.3934/math.2021 417
1945	Venkatesh P.K., Venkatesan V.	Experiences from the implementation of last planner system® in construction project	Indian Journal of Engineering and Materials Sciences	28	2	125	141	0.881	
1946	Selvendran S., Raja A.S., Muthu K.E., Yogalakshmi S.	Surface plasmon based fiber optic refractive index sensor	Indian Journal of Engineering and Materials Sciences	28	1	102	107	0.881	
1947	SenthilPandian M., Helen Santhi M., Gopalan B.	Extended End Plate Long Bolted Joint Using Cold Formed Steel Hollow and Concrete Filled Column	International Journal of Steel Structures					0.878	10.1007/s13296- 021-00460-7
1948	Harshavardhana N., Sivam S.P.S.S., Kumar G., Saxena A.K.	A Comparative Study on Misorientations to Determine the Extent of Recrystallization in Pure ETP Copper	Physics of Metals and Metallography					0.877	10.1134/S0031918 X20140094

1949	Maria Lucas A.F.R., Durairaj S.	A novel multi-input DC-DC landsman converter for plug-in hybrid electric vehicles	Circuit World					0.875	10.1108/CW-09- 2020-0252
1950	Ammaiyappan B.S., Ramalingam S.	Comparative analysis of two-level and three- level multilevel inverter for electric vehicle application using BLDC motor drive	Circuit World					0.875	10.1108/CW-08- 2020-0186
1951	Fernau H., Kuppusamy L., Raman I.	On the computational completeness of matrix simple semi-conditional grammars	Information and Computation					0.872	10.1016/j.ic.2021.1 04688
1952	Tang X., Li F., Sakthivel V., Kirubakaran S.	Deep learning approach to automated data collection and processing of video surveillance in sport activity prediction	Journal of Multiple-Valued Logic and Soft Computing	36	3	61	82	0.861	
1953	Angulakshmi M., Deepa M.	A Review on Deep Learning Architecture and Methods for MRI Brain Tumour Segmentation	Current medical imaging	17	6	695	706	0.858	10.2174/15734056 1666621010812204 8
1954	Tiwari N., Moharana M.K.	Effect of conjugate heat transfer in single-phase laminar flow through partially heated microtubes	Sadhana - Academy Proceedings in Engineering Sciences	46	1			0.849	10.1007/s12046- 021-01561-z
1955	Tamrakar M., Kommuri U.K.	EBG-AMC-HIS characteristics analysis of QBTR unitcell	Sadhana - Academy Proceedings in Engineering Sciences	46	1			0.849	10.1007/s12046- 020-01526-8

1956	Gunji B.M., Pabba S.K., Rajaram I.R.S., Sorakayala P.S., Dubey A., Deepak B.B.V.L., Biswal B.B., Bahubalendruni M.V.A.R.	Optimal disassembly sequence generation and disposal of parts using stability graph cut-set method for End of Life product	Sadhana - Academy Proceedings in Engineering Sciences	46	1			0.849	10.1007/s12046-020-01525-9
1957	Reddy M.S.K., Rajput D.S.	Ternary-based feature level extraction for anomaly detection in semantic graphs: an optimal feature selection basis	Sadhana - Academy Proceedings in Engineering Sciences	46	1			0.849	10.1007/s12046-021-01570-y
1958	Pichandi R., Gupta N.S., Rajendran C.	CARIMO - A heuristic approach to machine-part cell formation	Sadhana - Academy Proceedings in Engineering Sciences	46	2			0.849	10.1007/s12046-021-01575-7
1959	Vignesh M., Ramanujam R.	Statistical modelling and analysis of material removal rate and surface roughness during wire electrical discharge hybrid turning (WEDHT) process	Sadhana - Academy Proceedings in Engineering Sciences	46	2			0.849	10.1007/s12046-021-01597-1
1960	I.M. F.S., Jhade V., Sharma A.K., Daniel J.	Investigations on the interaction of surface radiation and turbulent natural convection in enclosures with multiple positions of source and sink	Sadhana - Academy Proceedings in Engineering Sciences	46	2			0.849	10.1007/s12046-021-01590-8

1961	Nashine H.K., Shil S., Kadelburg Z.	Common positive solutions for two non-linear matrix equations using fixed point results in b-metric-like spaces	Aequationes Mathematicae					0.832	10.1007/s00010-021-00846-2
1962	Kole P.B., Singh F.V.	Recent development on the ring transformation reactions: Synthesis of functionalized benzenes, n-heterocycles and fused ring systems	Heterocycles	103	2	624	659	0.831	10.3987/REV-20-SR(K)8
1963	Gowtham M., Prakash R.	Effects of n-butanol/calophyllum inophyllum biodiesel blend injection on the combustion characteristics of reactivity controlled compression ignition engine	International Journal of Oil, Gas and Coal Technology	27	3	338	361	0.820	10.1504/IJOGCT.2021.115800
1964	Mustafa N., Murugusundaramoorthy G.	Second Hankel Determinant for Mocanu type Bi-Starlike Functions Related to Shell-shaped Region	Turkish Journal of Mathematics	45	3	1270	1286	0.803	10.3906/mat-2101-97
1965	Kothandaraman R., Andavar S., Raj R.S.P.	Dynamic Model for Assisted Reproductive Technology Outcome Prediction	Brazilian Archives of Biology and Technology	64		1	14	0.797	10.1590/1678-4324-2021200758
1966	Arockia Doss A.S., Lingampally P.K., Nurahmi L.	Synthesis of a parallel manipulator based rehabilitation cervical collar for C-spine injured patients	International Journal of Robotics and Automation	36	1	1	8	0.796	

1967	Mary J.S., Balaji M.A.S., Selvakumar A.A., Dinakaran D.	Adaptive control of tool Wear by greywolf optimization and neural controller in drilling	International Journal of Robotics and Automation	36	1	53	58	0.796	10.2316/J.2021.206-0436
1968	Doss A.S.A., Venkatesh D., Ovinis M.	Simulation and Experimental Studies of A Mobile Robot for Underwater Applications	International Journal of Robotics and Automation	36	1	10	17	0.796	10.2316/J.2021.206-0424
1969	Anil A., Arun A.S., Ramchandrar L., Balasundaram A.	Parallelizing High-Frequency Trading using GPGPU	National Academy Science Letters	44	5	465	470	0.788	10.1007/s40009-021-01064-9
1970	Vimal S., Harold Robinson Y., Kadry S., Long H.V., Nam Y.	IoT based smart health monitoring with CNN using edge computing	Journal of Internet Technology	22	1	173	185	0.786	
1971	Suppandipillai J., Kandasamy J., Sivakumar R., Karaca M., K K.	Numerical investigations on the hydrogen jet pressure variations in a strut based scramjet combustor	Aircraft Engineering and Aerospace Technology					0.785	10.1108/AEAT-08-2020-0162
1972	Ramadass M., Thiagarajan P.	A sustainable castor oil-based agro formulation with cartap hydrochloride for potential control of pathogenic Xanthomonas oryzae in Oryza sativa L.	Journal of Environmental Biology	42	1	74	81	0.781	10.22438/JEB/42/1/MRN-1424

1973	Kaviarasu K., Arunai Nambi Raj N., Krishna Murthy K.	Dosimetric evaluation of intensity modulated radiation therapy for different duty cycles of the gated beam delivery	International Journal of Radiation Research	19	3	669	683	0.779	10.18869/acadpu b.ijrr.19.3.669
1974	Umamaheswari K., Prabhakar G., Viji K., Thanapal P.	ANFIS PD Plus I Control On Simscape Model of Nonlinear Physical System	Control Engineering and Applied Informatics	23	1	50	59	0.775	
1975	Ramesh Kumar D.	Common fixed point results under w- distance with applications to nonlinear integral equations and nonlinear fractional Differential Equations	Mathematica Slovaca	71	6	1511	1528	0.770	10.1515/ms- 2021-0068
1976	Paulraj D., Jeyakumar P.D., Rajamurugan G., Krishnasamy P.	Influence of Nano TiO <sub>2</sub> /Micro (SiC/B <sub>4</sub> C) reinforcement on the mechanical, wear and corrosion behaviour of A356 metal matrix composite	Archives of Metallurgy and Materials	66	3	871	880	0.767	10.24425/amm.202 1.136392
1977	Haneesh K.M., Raghunathan T.	Robust Control of DFIG Based Wind Energy System Using an H <sub>∞</sub> Controller	Journal of Electrical Engineering and Technology					0.736	10.1007/s42835- 021-00699-4
1978	Pangedaiah B., Obulesu Y.P., Kota V.R.	A New Architecture Topology for Back to Back Grid-Connected Hybrid Wind and PV System	Journal of Electrical Engineering and Technology					0.736	10.1007/s42835- 021-00685-w



1979	Pinagapani A.K., Mani G., Chandran K.R., Pandian K., Sawantmorye E., Vaghela P.	Dynamic Modeling and Validation of PEM Fuel Cell via System Identification Approach	Journal of Electrical Engineering and Technology					0.736	10.1007/s42835- 021-00736-2
1980	Priya M.G., Varshini N., Chandhana G., Deeksha G., Supriya K., Krishnaveni D.	Study on snowmelt and algal growth in the Antarctic Peninsula using spatial approach	Current Science	120	5	932	936	0.725	10.18520/cs/v120/i 5/932-936
1981	Kiran Y.B., Rambabu G., Vijayakumar V., Barbosa L.C.A.	Acetic Acid-Mediated Synthesis of Kojic Acid Derivatives	Russian Journal of Organic Chemistry	57	7	1158	1166	0.723	10.1134/S1070428 021070162
1982	Simon J.P., Evan Prince S.	Ameliorative activity of aqueous leaf extract from Madhuca longifolia against diclofenac- administered toxicity on rat stomach and intestine	Journal of Histotechnology	44	3	114	126	0.714	10.1080/01478885. 2020.1861917
1983	Wibneh A., Singh A.K., Karmakar S.	Effect of hull obliquity on crew protection, mass and space occupancy of light armoured vehicle: An optimal design approach	Defence Science Journal	71	5	619	629	0.707	10.14429/DSJ.71. 16660

1984	Lakshmi C.R., Kannadassan D.	Theory and design of narrowband band-stop filters using slotted ground resonators	International Journal of Applied Electromagnetics and Mechanics	67	4	393	407	0.706	10.3233/JAE-210019
1985	Vijayakumar V., Johnson P., Whenish R., Rajan A.J., Wilson V.H.	Investigations into microstructure and mechanical properties of Al 6061/SiCp metal matrix composite spur gear produced via powder metallurgy	Journal of Ceramic Processing Research	22	4	401	408	0.690	10.36410/jcpr.2021.22.4.401
1986	Dey D., Dey N., Ghosh S., Khan I., Thiagarajan P.	Therapeutic phytochemical actives for potential control of SARS-CoV-2	Indian Journal of Pharmaceutical Education and Research	55	2	517	526	0.686	10.5530/ijper.55.2.90
1987	Mathiyazhagan J., Daniel J.A., Doss G.P.C., Jayaraj R., Gothandam K.M.	Lyophilized fruit juice of Citrus sinensis triggers mitochondria-mediated apoptosis via down-regulation of pi3k/akt in mcf-7 cell line	Indian Journal of Pharmaceutical Education and Research	55	2	556	565	0.686	10.5530/ijper.55.2.94
1988	Venkatraman K.L., Syed A.A., Mehta A.	Stimulation of cell mediated immune response by protein hydrolysate from Porphyra yezoensis	Indian Journal of Pharmaceutical Education and Research	55	3	748	755	0.686	10.5530/ijper.55.3.147

1989	Anbalagan N., Vaithilingam M.	An experimental study using the statistical tool d-optimal design for the process optimization to enhance the yield of $\beta$ -galactosidase from lactobacillus plantarum	Indian Journal of Pharmaceutical Education and Research	55	4	1096	1106	0.686	10.5530/ijper.55.4.210
1990	Satti V.V.S., Sriadibhatla S.	Dual bit control low-power dynamic content addressable memory design for IoT applications	Turkish Journal of Electrical Engineering and Computer Sciences	29	2	1274	1283	0.682	10.3906/ELK-1907-71
1991	Shanmuganathan H., Mahendran A.	Encryption based on cellular automata for wireless devices in IoT environment	International Arab Journal of Information Technology	18	3	347	355	0.669	10.34028/iajit/18/3/11
1992	Shubham G., Muthu S.M., Arivazhagan N., Phani Prabhakar K.V., Arivarasu M.	Comparative studies on the metallurgical and mechanical behaviour of co2laser beam and pulsed current gas tungsten arc welded stainless steel	Lasers in Engineering	48	1	107	120	0.665	
1993	Sudabattula S.K., Suresh V., Prabaharan N., Sitharthan R., Rajesh M.	Optimal allocation of renewable distributed generators and shunt capacitors in distribution system using hybrid intelligent approach	International Journal of Ad Hoc and Ubiquitous Computing	37	2	98	112	0.654	10.1504/IJAHUC.2021.115831

1994	Thakare V.R., John S.K.	Computational trust evaluation algorithm for cloud models using fuzzy logic approach	International Journal of Ad Hoc and Ubiquitous Computing	38	01-Mar	127	140	0.654	
1995	Singh G., Khare N.	GSFI_SMOTE: A hybrid multiclass classifier for minority attack detection in internet of things network	International Journal of Ad Hoc and Ubiquitous Computing	38	01-Mar	45	61	0.654	
1996	Reddy M.S.K., Rajput D.S.	Lion plus firefly algorithm for ternary-based anomaly detection in semantic graphs in smart cities	International Journal of Ad Hoc and Ubiquitous Computing	38	01-Mar	17	29	0.654	
1997	Hakak S., Khan W.Z., Gilkar G.A., Assiri B., Alazab M., Bhattacharya S., Reddy G.T.	Recent advances in blockchain technology: A survey on applications and challenges	International Journal of Ad Hoc and Ubiquitous Computing	38	01-Mar	82	100	0.654	
1998	Kannan K., Agilan S., Muthukumarasamy N., Vinitha G., Ramesh C.	Evaluation of third order nonlinear optical properties of SiO <sub>2</sub> /PVA-PEG Nanocomposites by Z-Scan Method	Indian Journal of Pure and Applied Physics	59	1	23	27	0.653	
1999	Ayyappadas C., Teja R., Annamalai A.R., Dinesh K Agrawal, Dilkush S., Muthuchamy A.	Effect of TiB <sub>2</sub> addition on the microstructural, electrical, and mechanical behavior of Cu-TiB <sub>2</sub> composites processed via spark plasma sintering	International Journal of Materials Research	112	2	118	129	0.653	10.1515/ijmr-2020-7849

2000	Ravikumar P.S., Arumugam S.K., Gangradey R., Mukherjee S., Srinivasan K., Sadasivan S., Gupta V., Aggarwal M.C.	Development of Cryogenic Extrusion Techniques and Modelling of a Twin Screw Extruder: A Review	Journal of Fusion Energy	40	1			0.636	10.1007/s10894- 021-00297-2
2001	Abirami N., Vincent D.R., Kadry S.	P2P-COVID-GAN: Classification and segmentation of COVID- 19 lung infections from CT images using GAN	International Journal of Data Warehousing and Mining	17	4	101	118	0.625	10.4018/IJDWM.2 021100105
2002	Raj A.N.J., Murugappan M., Arunachalam	Fusion of near-infrared and RGB images on a FPGA using high level synthesis tool	Journal of Engineering Research (Kuwait)	9	3	104	114	0.620	10.36909/jer.v9i3A. 9167
2003	Chandran M.S., Chebiyyam Y., Padmanabhan K.	Microbond multiple fiber pull-out test to evaluate interface properties of UHMWPE/LDPE self- reinforced polymer composites	Journal of Engineering Research (Kuwait)	9	3	278	293	0.620	10.36909/jer.v9i3A. 8352
2004	Raj S., M.H A., Gothandam K.M., Rameshan A.T.	Chemical Composition, in-vitro Antioxidant, Antibacterial, and Anti- algal Activity of Lakshadweep Feather Star Spp. Comaster Schlegelii and Himerometra Robustipinna	Thalassas					0.620	10.1007/s41208- 021-00366-5

2005	Sethuraman G., Murugan V.	Decomposition of Complete Graphs into Arbitrary Trees	Graphs and Combinatorics					0.597	10.1007/s00373-021-02299-5
2006	Saamanthi M., Aruna S., Girija R., Vinod D.	Design, synthesis of novel pyrazolopyridine derivatives and CREBBP bromodomain inhibitors docking and molecular dynamics	Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry	60	5	746	754	0.592	
2007	Hossion A., Khatavkar S., Arora B.M.	Fabrication of n-i-p diode using hot wire chemical vapor deposition technique	Journal of Optoelectronics and Advanced Materials	23	03-Apr	145	149	0.587	
2008	Joseph G.B., Valarmathi T.N., Rajan A.J.	Effect of welding parameters on mechanical and corrosion behavior of stellite 6 cladded sa387 gr 91 with ernicr-3 buffer layer	Transactions of the Canadian Society for Mechanical Engineering	45	1	37	47	0.573	10.1139/tcsme-2019-0277
2009	Warudkar A., Elavenil S.	Abrasion resistance of sustainable waste steel slag mixed concrete	Revista Romana de Materiale/ Romanian Journal of Materials	51	3	449	455	0.563	
2010	Sarumathi K., Elavenil S., Satish Reddy M.	Durability characteristics of fly ash /silica sand with full factorial design	Revista Romana de Materiale/ Romanian Journal of Materials	51	4	536	542	0.563	

2011	Verma S.K., Joshi V.V.	Thermal environment inside single shade-net, double shade-net, and polythene sheet houses and effect on wheat seedling growth	Journal of Agrometeorology	23	3	344	347	0.557	
2012	Outa R., Chavarette F.R., Gonçalves A.C., da Silva S.L., Mishra V.N., Panosso A.R., Mishra L.N.	Reliability analysis using experimental statistical methods and ais: Application in continuous flow tubes of gaseous medium	Acta Scientiarum - Technology	43				0.550	10.4025/ACTASCITECHNOL.V43I1.55825
2013	Majumder R., Aditya A., Dey S., Siddique J.F., Anbalagan N., Devi S., Vaithilingam M.	Biopreservative action of bacteriocin from pediococcus pentosaceus on the microbial load of apple juice	Indian Journal of Pharmaceutical Education and Research	55	1	s242	s250	0.501	10.5530/ijper.55.1s.56
2014	Malathi V., Gopinath M.P.	Real-time classification of paddy diseases using deep learning techniques based on generative adversarial network	Linguistica Antverpiensia	2021	1	88	103	0.5	
2015	Suthanthiramani P., Sannasy M., Sannasi G., Arputharaj K.	Secured data storage and retrieval using elliptic curve cryptography in cloud	International Arab Journal of Information Technology	18	1	56	66	0.467	10.34028/iajit/18/1/7

2016	Kavin B.P., Ganapathy S.	A new digital signature algorithm for ensuring the data integrity in cloud using elliptic curves	International Arab Journal of Information Technology	18	2	180	190	0.467	10.34028/IAJIT/18/2/6
2017	Jesuwanth Sugesh R.G., Sivasubramanian A.	High performance of core type phase shifter in silicon mzm	Optoelectronics and Advanced Materials, Rapid Communications	15	01-Feb	32	38	0.445	
2018	Jacob I.J., Paulraj B., Darney P.E., Long H.V., Tuan T.M., Yesudhas H.R., Shanmuganathan V., Eanoch G.J.	Image retrieval using intensity gradients and texture chromatic pattern: Satellite images retrieval	International Journal of Data Warehousing and Mining	17	1	57	73	0.406	10.4018/IJDWM.2021010104
2019	Vidhyapathi C.M., Joseph Raj A.N., Sundar S.	The 3D-DTW custom IP based FPGA hardware acceleration for action recognition	Journal of Imaging Science and Technology	65	1			0.379	10.2352/J.IMAGING SCI.TECHNOL.2021.65.1.010401
2020	Sharma S.S., Raju H., Tomar P.S., Jangid R., Khatri R.	A simulation-based study on the disc brake temperature distribution for optimising hole geometry	International Journal of Nanotechnology	18	11-Dec	1051	1063	0.367	10.1504/IJNT.2021.119227
2021	Thomas N.G., Manoharan A., Anbarasu A.	Preclinical evaluation of sol-gel synthesized modulated 45s5-bioglass based biodegradable bone graft intended for alveolar bone regeneration	Journal of Hard Tissue Biology	30	3	303	308	0.343	10.2485/jhtb.30.303



2022	Kanimozhi R., Singh F.V.	Synthesis and Photophysical Studies of Substituted Benzyl Ether- cored Terphenyls	Indian Journal of Heterocyclic Chemistry	31	2	237	246	0.339	
2023	Collin M.S., Sharma A., Bhattacharya A., Sasikumar S.	Synthesis of strontium substituted hydroxyapatite by solution combustion route	Journal of the Indian Chemical Society	98	11			0.284	10.1016/j.jics.2021. 100191