

SELECTED PUBLICATIONS DURING - 2020

S. No.	Authors	Article_Title	Journal_Name	Vol_No	Issue_No	B_Page	P_Page	Impact_Factor	DOI
1	Muthu M., Pandey R., Wang X., Chandrasekhar A., Palani I.A., Singh V.	Enhancement of triboelectric nanogenerator output performance by laser 3D-Surface pattern method for energy harvesting application	Nano Energy	78				16.602	10.1016/j.nanoen.2020.105205
2	Chandrasekhar A., Vivekananthan V., Kim S.-J.	A fully packed spheroidal hybrid generator for water wave energy harvesting and self-powered position tracking	Nano Energy	69				15.548	10.1016/j.nanoen.2019.104439
3	Tamil Selvan S., Ravichandar R., Kanta Ghosh K., Mohan A., Mahalakshmi P., Gulyás B., Padmanabhan P.	Coordination chemistry of ligands: Insights into the design of amyloid beta/tau-PET imaging probes and nanoparticles-based therapies for Alzheimer's disease	Coordination Chemistry Reviews					15.367	10.1016/j.ccr.2020.213659
4	Munir M., Ahmad M., Saeed M., Waseem A., Nizami A.-S., Sultana S., Zafar M., Rehan M., Srinivasan G.R., Ali A.M., Ali M.I.	Biodiesel production from novel non-edible caper (Capparis spinosa L.) seeds oil employing Cu–Ni doped ZrO2 catalyst	Renewable and Sustainable Energy Reviews					12.110	10.1016/j.rser.2020.110558
5	Sukthanker R., Poria S., Cambria E., Thirunavukarasu R.	Anaphora and coreference resolution: A review	Information Fusion	59		139	162	10.716	10.1016/j.inffus.2020.01.010
6	Ratnam K.S., Palanisamy K., Yang G.	Future low-inertia power systems: Requirements, issues, and solutions - A review	Renewable and Sustainable Energy Reviews	124				10.556	10.1016/j.rser.2020.109773
7	Medhane D.V., Sangaiah A.K., Hossain M.S., Muhammad G., Wang J.	Blockchain-Enabled Distributed Security Framework for Next-Generation IoT: An Edge Cloud and Software-Defined Network-Integrated Approach	IEEE Internet of Things Journal	7	7	6143	6149	9.936	10.1109/JIOT.2020.2977196
8	Wang T., Qiu L., Sangaiah A.K., Liu A., Bhuiyan M.Z.A., Ma Y.	Edge-Computing-Based Trustworthy Data Collection Model in the Internet of Things	IEEE Internet of Things Journal	7	5	4218	4227	9.515	10.1109/JIOT.2020.2966870

9	Wang J., Zhang L., Gong H., Mao P., He L., Annadi A., Kang F., Sun Q., Wang Z.	Excellent capacitor-varistor properties in lead-free CaCu ₃ Ti ₄ O ₁₂ -SrTiO ₃ system with a wrinkle structure via interface engineering	ACS Applied Materials and Interfaces	12	43	48781	48793	8.758	10.1021/acsami.0c13067
10	Veeralingam S., Priya S., Badhulika S.	NiO nanofibers interspersed sponge based low cost, multifunctional platform for broadband UV protection, ultrasensitive strain and robust fingertip skin inspired pressure sensor	Chemical Engineering Journal	389				8.355	10.1016/j.cej.2020.124415
11	Dolai S., Bhunia S.K., Rajendran S., UshaVipinachandran V., Ray S.C., Kluson P.	Tunable fluorescent carbon dots: synthesis progress, fluorescence origin, selective and sensitive volatile organic compounds detection	Critical Reviews in Solid State and Materials Sciences					8.344	10.1080/10408436.2020.1830750
12	Ashok B., Jeevanantham A.K., Bhat Hire K.R., Kashyap V., Saiteja P.	Calibration of idling characteristics for Lemon Peel Oil using Central Composite Design in light commercial vehicle diesel engine	Energy Conversion and Management	221				8.208	10.1016/j.enconman.2020.113183
13	Yousri D., Babu T.S., Mirjalili S., Rajasekar N., Elaziz M.A.	A novel objective function with artificial ecosystem-based optimization for relieving the mismatching power loss of large-scale photovoltaic array	Energy Conversion and Management	225				8.208	10.1016/j.enconman.2020.113385
14	Jacob A., Ashok B., Alagumalai A., Chyuan O.H., Le P.T.K.	Critical review on third generation micro algae biodiesel production and its feasibility as future bioenergy for IC engine applications	Energy Conversion and Management					8.208	10.1016/j.enconman.2020.113655
15	Kakria K., Thirumalini S., Secco M., Shanmuga Priya T.	A novel approach for the development of sustainable hybridized geopolymer mortar from waste printed circuit boards	Resources, Conservation and Recycling	163				8.086	10.1016/j.resconrec.2020.105066

16	Wang Z., Xie M., Li Y., Zhang W., Yang C., Kollo L., Eckert J., Prashanth K.G.	Premature failure of an additively manufactured material	NPG Asia Materials	12	1			8.052	10.1038/s41427-020-0212-0
17	Venkateshalu S., Grace A.N.	MXenes—A new class of 2D layered materials: Synthesis, properties, applications as supercapacitor electrode and beyond	Applied Materials Today	18				8.013	10.1016/j.apmt.2019.100509
18	Sukumaran C., Vivekananthan V., Mohan V., Alex Z.C., Chandrasekhar A., Kim S.-J.	Triboelectric nanogenerators from reused plastic: An approach for vehicle security alarming and tire motion monitoring in rover	Applied Materials Today	19				8.013	10.1016/j.apmt.2020.100625
19	Annadi A., Gong H.	Success in both p-type and n-type of a novel transparent AgCuI alloy semiconductor system for homojunction devices	Applied Materials Today	20				8.013	10.1016/j.apmt.2020.100703
20	Saravanan N., Balamurugan M., Shalini Devi K.S., Nam K.T., Senthil Kumar A.	Vitamin B12-Immobilized Graphene Oxide for Efficient Electrocatalytic Carbon Dioxide Reduction Reaction	ChemSusChem					7.962	10.1002/cssc.202001378
21	Jha M.K., Shekhar A., Jenifer M.A.	Assessing groundwater quality for drinking water supply using hybrid fuzzy GIS-based water quality index	Water Research	179				7.913	10.1016/j.watres.2020.115867
22	Reddy K.R., Meikandasivam S.	Load Flattening and Voltage Regulation Using Plug-In Electric Vehicle's Storage Capacity with Vehicle Prioritization Using ANFIS	IEEE Transactions on Sustainable Energy	11	1	260	270	7.650	10.1109/TSTE.2018.2890145
23	Ravikumar R., Gopal B., Jena H.	Fabrication, chemical and thermal stability studies of crystalline ceramic wastefrom based on oxyapatite phosphate host LaSr4(PO4)3O for high level nuclear waste immobilization	Journal of Hazardous Materials	394				7.650	10.1016/j.jhazmat.2020.122552

24	Annageldiyev C., Gowda K., Patel T., Bhattacharya P., Tan S.-F., Iyer S., Desai D., Dovat S., Feith D.J., Loughran T.P., Jr., Amin S., Claxton D., Sharma A.	The novel Isatin analog KS99 targets stemness markers in acute myeloid leukemia	Haematologica	105	3	687	696	7.570	10.3324/haematol.2018.212886
25	Prabaharan N., Salam Z., Cecati C., Palanisamy K.	Design and Implementation of New Multilevel Inverter Topology for Trinary Sequence Using Unipolar Pulsewidth Modulation	IEEE Transactions on Industrial Electronics	67	5	3573	3582	7.503	10.1109/TIE.2019.2914636
26	Xu G., Zhou W., Sangaiah A.K., Zhang Y., Zheng X., Tang Q., Xiong N., Liang K., Zhou X.	A Security-Enhanced Certificateless Aggregate Signature Authentication Protocol for InVANETs	IEEE Network	34	2	22	29	7.503	10.1109/MNET.001.1900035
27	Wang T., Ke H., Zheng X., Wang K., Sangaiah A.K., Liu A.	Big Data Cleaning Based on Mobile Edge Computing in Industrial Sensor-Cloud	IEEE Transactions on Industrial Informatics	16	2	1321	1329	7.377	10.1109/TII.2019.2938861
28	Wang T., Qiu L., Sangaiah A.K., Xu G., Liu A.	Energy-Efficient and Trustworthy Data Collection Protocol Based on Mobile Fog Computing in Internet of Things	IEEE Transactions on Industrial Informatics	16	5	3531	3539	7.377	10.1109/TII.2019.2920277
29	Sangaiah A.K., Medhane D.V., Bian G.-B., Ghoneim A., Alrashoud M., Hossain M.S.	Energy-Aware Green Adversary Model for Cyberphysical Security in Industrial System	IEEE Transactions on Industrial Informatics	16	5	3322	3329	7.377	10.1109/TII.2019.2953289
30	Daghooghi-Mobarakeh H., Campbell N., Bertrand W.K., Kumar P.G., Tiwari S., Wang L., Wang R., Miner M., Phelan P.E.	Ultrasound-assisted regeneration of zeolite/water adsorption pair	Ultrasonics Sonochemistry	64				7.279	10.1016/j.ultsonch.2020.105042
31	Leong W.D., Teng S.Y., How B.S., Ngan S.L., Rahman A.A., Tan C.P., Ponnambalam S.G., Lam H.L.	Enhancing the adaptability: Lean and green strategy towards the Industry Revolution 4.0	Journal of Cleaner Production	273				7.246	10.1016/j.jclepro.2020.122870

32	Roy M., Sen P., Pal P.	An integrated green management model to improve environmental performance of textile industry towards sustainability	Journal of Cleaner Production	271				7.246	10.1016/j.jclepro.2020.122656
33	Rambabu K., Bharath G., Hai A., Luo S., Liao K., Haija M.A., Banat F., Naushad M.	Development of watermelon rind derived activated carbon/manganese ferrite nanocomposite for cleaner desalination by capacitive deionization	Journal of Cleaner Production	272				7.246	10.1016/j.jclepro.2020.122626
34	Nair N.A., Sairam V.	Research initiatives on the influence of wollastonite in cement-based construction material- A review	Journal of Cleaner Production					7.246	10.1016/j.jclepro.2020.124665
35	Yang C.-T., Hattiholi A., Selvan S.T., Yan S.X., Fang W.-W., Chandrasekharan P., Koteswaraiah P., Herold C.J., Gulyás B., Aw S.E., He T., Ng D.C.E., Padmanabhan P.	Gadolinium-based bimodal probes to enhance T1-Weighted magnetic resonance/optical imaging	Acta Biomaterialia	110		15	36	7.242	10.1016/j.actbio.2020.03.047
36	Pillai D.S., Ram J.P., Ghias A.M.Y.M., Mahmud M.A., Rajasekar N.	An Accurate, Shade Detection-Based Hybrid Maximum Power Point Tracking Approach for PV Systems	IEEE Transactions on Power Electronics	35	6	6594	6608	7.224	10.1109/TPEL.2019.2953242
37	Karthickeyan V., Thiyagarajan S., Ashok B., Edwin Geo V., Azad A.K.	Experimental investigation of pomegranate oil methyl ester in ceramic coated engine at different operating condition in direct injection diesel engine with energy and exergy analysis	Energy Conversion and Management	205				7.181	10.1016/j.enconman.2019.112334
38	Nanthagopal K., Kishna R.S., Atabani A.E., Al-Muhtaseb A.H., Kumar G., Ashok B.	A compressive review on the effects of alcohols and nanoparticles as an oxygenated enhancer in compression ignition engine	Energy Conversion and Management	203				7.181	10.1016/j.enconman.2019.112244

39	Venkateswari R., Rajasekar N.	Power enhancement of PV system via physical array reconfiguration based Lo Shu technique	Energy Conversion and Management	215				7.181	10.1016/j.enconman.2020.112885
40	Samuel. S C., M A., T. R.P.	High temperature dry sliding wear behaviour of laser powder bed fused Inconel 718	Additive Manufacturing	34				7.173	10.1016/j.addma.2020.101279
41	Kongasseri A., Sompalli N.K., C.V.S. Rao B., Nagarajan S., Mohan A.M., Deivasigamani P.	Solid-state optical sensing of ultra-trace Hg ²⁺ ions using chromoionophoric probe anchored silica monolithic architectures	Sensors and Actuators, B: Chemical	321				7.100	10.1016/j.snb.2020.128558
42	Madhwal S., Shin M., Kapoor A., Goyal M., Joshi M.K., Rehman P.M.U., Gor K., Shim J., Mukherjee T.	Metabolic control of cellular immune-competency by odors in drosophila	eLife	9		1	93	7.08	10.7554/ELIFE.60376
43	Kannan S., Sekar A., Sivaperuman K., Phd	Effects of the molecular structure on the second-order nonlinear optical properties of stilbazolium derivative single crystals: A review	Journal of Materials Chemistry C	8	47	16668	16690	7.059	10.1039/d0tc04260a
44	Wang Z., Tang S.Y., Scudino S., Ivanov Y.P., Qu R.T., Wang D., Yang C., Zhang W.W., Greer A.L., Eckert J., Prashanth K.G.	Additive manufacturing of a martensitic Co–Cr–Mo alloy: Towards circumventing the strength–ductility trade-off	Additive Manufacturing					7.002	10.1016/j.addma.2020.101725
45	Chandrasekhar A., Vivekananthan V., Khandelwal G., Kim S.-J.	A Sustainable Blue Energy Scavenging Smart Buoy toward Self-Powered Smart Fishing Net Tracker	ACS Sustainable Chemistry and Engineering	8	10	4120	4127	6.970	10.1021/acssuschemeng.9b06491
46	Chakraborty D., Ethiraj K.R., Chandrasekaran N., Mukherjee A.	Mitigating the toxic effects of CdSe quantum dots towards freshwater alga Scenedesmus obliquus: Role of eco-corona	Environmental Pollution					6.792	10.1016/j.envpol.2020.116049

47	Balakrishnan C., Manonmani M., Ahamed S.R., Vinitha G., Meenakshisundaram S.P., Sockalingam R.M.	Supramolecular cocrystals of O - H...O hydrogen-bonded 18-crown- 6 with isophthalic acid derivatives: Hirshfeld surface analysis and third- order nonlinear optical properties	Acta Crystallographic a Section B: Structural Science, Crystal Engineering and Materials	76		241	251	6.732	10.1107/S205252 0620001821
48	Yang C.-T., Hattiholi A., Selvan S.T., Yan S.X., Fang W.-W., Chandrasekharan P., Koteswaraiah P., Herold C.J., Gulyás B., Aw S.E., He T., Ng D.C.E., Padmanabhan P.	Bimodality probes of Gd enhanced T1- Weighted magnetic resonance/optical imaging	Acta Biomaterialia					6.638	10.1016/j.actbio.20 20.03.047
49	Teja C., Nawaz Khan F.R.	Facile Synthesis of 2-Acylthieno[2,3- b]quinolines via Cu-TEMPO-Catalyzed Dehydrogenation, sp ² -C-H Functionalization (Nucleophilic Thiolation by S ₈) of 2-Haloquinoliny Ketones	Organic Letters	22	5	1726	1730	6.555	10.1021/acs.orglett .9b04598
50	Yang H., Dobbie S., Ramirez-Villegas J., Chen B., Qiu S., Ghosh S., Challinor A.	South India projected to be susceptible to high future groundnut failure rates for future climate change and geo- engineered scenarios	Science of the Total Environment	747				6.551	10.1016/j.scitotenv. 2020.141240
51	Manojkumar N., Srimuruganandam B.	Health benefits of achieving fine particulate matter standards in India – A nationwide assessment	Science of the Total Environment					6.551	10.1016/j.scitotenv .2020.142999
52	Chen S., Yang L., Zhao C., Varadarajan V., Wang K.	Double-blockchain Assisted Secure and Anonymous Data Aggregation for Fog-enabled Smart Grid	Engineering					6.495	10.1016/j.eng.202 0.06.018

53	Karthic S.V., Senthil Kumar M., Nataraj G., Pradeep P.	An assessment on injection pressure and timing to reduce emissions on diesel engine powered by renewable fuel	Journal of Cleaner Production	255				6.395	10.1016/j.jclepro.2020.120186
54	Midhun Prasad K., Murugavelh S.	Experimental investigation and kinetics of tomato peel pyrolysis: Performance, combustion and emission characteristics of bio-oil blends in diesel engine	Journal of Cleaner Production	254				6.395	10.1016/j.jclepro.2020.120115
55	Mishra U., Wu J.-Z., Sarkar B.	A sustainable production-inventory model for a controllable carbon emissions rate under shortages	Journal of Cleaner Production	256				6.395	10.1016/j.jclepro.2020.120268
56	Anand B., Murugavelh S.	Performance analysis of a novel augmented desalination and cooling system using modified vapor compression refrigeration integrated with humidification-dehumidification desalination	Journal of Cleaner Production	255				6.395	10.1016/j.jclepro.2020.120224
57	Krishnan R.S., Julie E.G., Robinson Y.H., Raja S., Kumar R., Thong P.H., Son L.H.	Fuzzy Logic based Smart Irrigation System using Internet of Things	Journal of Cleaner Production	252				6.395	10.1016/j.jclepro.2019.119902
58	Devarangadi M., M U.S.	Correlation studies on geotechnical properties of various industrial byproducts generated from thermal power plants, iron and steel industries as liners in a landfill- a detailed review	Journal of Cleaner Production	261				6.395	10.1016/j.jclepro.2020.121207
59	Panda A., Mishra U., Tseng M.-L., Ali M.H.	Hybrid power systems with emission minimization: Multi-objective optimal operation	Journal of Cleaner Production	268				6.395	10.1016/j.jclepro.2020.121418
60	K S A., Maria Joseph Raj N.P., Alluri N.R., Chandrasekhar A., Kim S.-J.	All in one transitional flow-based integrated self-powered catechol sensor using BiFeO ₃ nanoparticles	Sensors and Actuators, B: Chemical	320				6.393	10.1016/j.snb.2020.128417

61	Syamsai R., Rodriguez J.R., Pol V.G., Grace A.N.	Reversible, stable Li-ion storage in 2 D single crystal orthorhombic α -MoO ₃ anodes	Journal of Colloid and Interface Science	565		197	204	6.361	10.1016/j.jcis.2019.12.113
62	Sangaiah A.K., Ramamoorthi J.S., Rodrigues J.J.P.C., Rahman M.A., Muhammad G., Alrashoud M.	LACCVoV: Linear Adaptive Congestion Control With Optimization of Data Dissemination Model in Vehicle-to-Vehicle Communication	IEEE Transactions on Intelligent Transportation Systems					6.319	10.1109/TITS.2020.3041518
63	Nagaraja S., Dsilva Winfred Rufuss D., Hossain A.K.	Microscopic characteristics of biodiesel – Graphene oxide nanoparticle blends and their Utilisation in a compression ignition engine	Renewable Energy	160		830	841	6.274	10.1016/j.renene.2020.07.032
64	Mohamed Faroug M.A., Rao D.N., Samikannu R., Venkatachary S.K., Senthilnathan K.	Comparative analysis of controllers for stability enhancement for wind energy system with STATCOM in the grid connected environment	Renewable Energy					6.274	10.1016/j.renene.2020.06.044
65	Kongasserri A., Sompalli N.K., Modak V.A., Mohanty A., Nagarajan S., Rao C.V.S.B., Deivasigamani P., Mohan A.M.	Solid-state ion recognition strategy using 2D hexagonal mesophase silica monolithic platform: a smart two-in-one approach for rapid and selective sensing of Cd ²⁺ and Hg ²⁺ ions	Microchimica Acta	187	7			6.232	10.1007/s00604-020-04363-y
66	Raja Singh R., Yash S.M., Shubham S.C., Indragandhi V., Vijayakumar V., Saravanan P., Subramaniaswamy V.	IoT embedded cloud-based intelligent power quality monitoring system for industrial drive application	Future Generation Computer Systems	112		884	898	6.125	10.1016/j.future.2020.06.032
67	Kumar A.N., Kishore P.S., Raju K.B., Ashok B., Vignesh R., Jeevanantham A.K., Nanthagopal K., Tamilvanan A.	Decanol proportional effect prediction model as additive in palm biodiesel using ANN and RSM technique for diesel engine	Energy	213				6.082	10.1016/j.energy.2020.119072

68	Velpula S., Thirumalaivasan R., Janaki M.	Stability analysis on torsional interactions of turbine-generator connected with DFIG-WECS using admittance model	IEEE Transactions on Power Systems	35	6	4745	4755	6.074	10.1109/TPWRS.2020.2992111
69	S P., Jaiswal A.K.	Effect of interpolymer complex formation between chondroitin sulfate and chitosan-gelatin hydrogel on physico-chemical and rheological properties	Carbohydrate Polymers	238				6.044	10.1016/j.carbpol.2020.116179
70	Kumar S., Padala K.	The recent advances in K ₂ S ₂ O ₈ -mediated cyclization/coupling reactions: Via an oxidative transformation	Chemical Communications	56	96	15101	15117	5.996	10.1039/d0cc06036d
71	Murphy M., Manoj D., Saravanakumar D., Thenmozhi K., Senthilkumar S.	Water insoluble, self-binding viologen functionalized ionic liquid for simultaneous electrochemical detection of nitrophenol isomers	Analytica Chimica Acta	1138		89	98	5.977	10.1016/j.aca.2020.09.015
72	Calin M., Vishnu J., Thirathipviwat P., Popa M.-M., Krautz M., Manivasagam G., Gebert A.	Tailoring biocompatible Ti-Zr-Nb-Hf-Si metallic glasses based on high-entropy alloys design approach	Materials Science and Engineering C					5.880	10.1016/j.msec.2020.111733
73	Guha T., Barman S., Mukherjee A., Kundu R.	Nano-scale zero valent iron modulates Fe/Cd transporters and immobilizes soil Cd for production of Cd free rice	Chemosphere	260				5.778	10.1016/j.chemosphere.2020.127533
74	Bhuvaneswari K., Palanisamy G., Pazhanivel T., Maiyalagan T., Shanmugam P., Grace A.N.	In-situ development of metal organic frameworks assisted ZnMgAl layered triple hydroxide 2D/2D hybrid as an efficient photocatalyst for organic dye degradation	Chemosphere					5.778	10.1016/j.chemosphere.2020.128616

75	Roy B., Suresh P.K., Chandrasekaran N., Mukherjee A.	Antibiotic tetracycline enhanced the toxic potential of photo catalytically active P25 titanium dioxide nanoparticles towards freshwater algae <i>Scenedesmus obliquus</i>	Chemosphere					5.778	10.1016/j.chemosphere.2020.128923
76	Roy P.K., Singh J.P., Banerjee S.	Deep learning to filter SMS Spam	Future Generation Computer Systems	102		524	533	5.768	10.1016/j.future.2019.09.001
77	Chen C., Liu X., Qiu T., Sangaiah A.K.	A short-term traffic prediction model in the vehicular cyber-physical systems	Future Generation Computer Systems	105		894	903	5.768	10.1016/j.future.2017.06.006
78	Deebak B.D., Al-Turjman F., Aloqaily M., Alfandi O.	IoT-BSFCAN: A smart context-aware system in IoT-Cloud using mobile-fogging	Future Generation Computer Systems	109		368	381	5.768	10.1016/j.future.2020.03.050
79	Sengan S., Subramaniaswamy V., Nair S.K., Indragandhi V., Manikandan J., Ravi L.	Enhancing cyber-physical systems with hybrid smart city cyber security architecture for secure public data-smart network	Future Generation Computer Systems	112		724	737	5.768	10.1016/j.future.2020.06.028
80	Uma Maheswari S., Shahina A., Nayeemulla Khan A.	Understanding Lombard speech: a review of compensation techniques towards improving speech based recognition systems	Artificial Intelligence Review					5.747	10.1007/s10462-020-09907-5
81	Simkin A.J., Faralli M., Ramamoorthy S., Lawson T.	Photosynthesis in non-foliar tissues: implications for yield	Plant Journal	101	4	1001	1015	5.726	10.1111/tpj.14633
82	Rajendran C., Satishkumar G., Lang C., Gaigneaux E.M.	Alumina grafted SBA-15 sustainable bifunctional catalysts for direct cross-coupling of benzylic alcohols to diarylmethanes	Catalysis Science and Technology	10	8	2583	2592	5.726	10.1039/d0cy00471e

83	Natarajan L., Omer S., Jetly N., Jenifer M.A., Chandrasekaran N., Suraishkumar G.K., Mukherjee A.	Eco-corona formation lessens the toxic effects of polystyrene nanoplastics towards marine microalgae <i>Chlorella</i> sp.	Environmental Research	188				5.715	10.1016/j.envres.2020.109842
84	Hossain S.S., Tarek M., Munusamy T.D., Rezaul Karim K.M., Roopan S.M., Sarkar S.M., Cheng C.K., Rahman Khan M.M.	Facile synthesis of CuO/CdS heterostructure photocatalyst for the effective degradation of dye under visible light	Environmental Research	188				5.715	10.1016/j.envres.2020.109803
85	Mandal S., Bhattacharjee S., Pacif S.K.J., Sahoo P.K.	Accelerating universe in hybrid and logarithmic teleparallel gravity	Physics of the Dark Universe	28				5.660	10.1016/j.dark.2020.100551
86	Saranya D., Shanthakumar S.	Effect of culture conditions on biomass yield of acclimatized microalgae in ozone pre-treated tannery effluent: A simultaneous exploration of bioremediation and lipid accumulation potential	Journal of Environmental Management	273				5.647	10.1016/j.jenvman.2020.111129
87	Praveen A P., Rajamohan V., Arumugam A.B., Mathew A.T.	Vibration analysis of a multifunctional hybrid composite honeycomb sandwich plate	Journal of Sandwich Structures and Materials	22	8	2818	2860	5.616	10.1177/1099636218820764
88	Greener J.G., Selvaraj J., Ward B.J.	BioStructures.jl: read, write and manipulate macromolecular structures in Julia	Bioinformatics (Oxford, England)	36	14	4206	4207	5.610	10.1093/bioinformatics/btaa502
89	Chandrasekhar A., Vivekananthan V., Khandelwal G., Kim W.J., Kim S.-J.	Green energy from working surfaces: a contact electrification-enabled data theft protection and monitoring smart table	Materials Today Energy	18				5.604	10.1016/j.mtener.2020.100544
90	Velvizhi G., Shanthakumar S., Das B., Pugazhendhi A., Priya T.S., Ashok B., Nanthagopal K., Vignesh R., Karthick C.	Biodegradable and non-biodegradable fraction of municipal solid waste for multifaceted applications through a closed loop integrated refinery platform: Paving a path towards circular economy	Science of the Total Environment	731				5.589	10.1016/j.scitotenv.2020.138049

91	Saravanan S., Chidambaram R.K., Geo V.E.	An experimental study to analyze influence of porous media combustor on performance and emission characteristics of a DI diesel engine	Fuel	280				5.578	10.1016/j.fuel.2020.118645
92	Viswanathan K., Ashok B., Pugazhendhi A.	Comprehensive study of engine characteristics of novel biodiesel from curry leaf (<i>Murraya koenigii</i>) oil in ceramic layered diesel engine	Fuel	280				5.578	10.1016/j.fuel.2020.118586
93	Mari E., Tsai P.-C., Eswaran M., Ponnusamy V.K.	Efficient electro-catalytic oxidation of ethylene glycol using flower-like graphitic carbon nitride/iron oxide/palladium nanocomposite for fuel cell application	Fuel	280				5.578	10.1016/j.fuel.2020.118646
94	Saravanan S., Ramesh Kumar C., Pugazhendhi A., Brindhadevi K.	Role of thermal barrier coating and porous medium combustor for a diesel engine: An experimental study	Fuel	280				5.578	10.1016/j.fuel.2020.118597
95	Khajone V.B., Bhagat P.R.	Brønsted acid functionalized phthalocyanine on perylene diimide framework knotted with ionic liquid: An efficient photo-catalyst for production of biofuel component octyl levulinate at ambient conditions under visible light irradiation	Fuel	279				5.578	10.1016/j.fuel.2020.118390
96	Ashok B., Jeevanantham A.K., Vignesh R., Bhat Hire K.R., Prabhu K., Raaj Kumar R.A., Shivshankar N., Edwin Sudhagar P.	Calibration of engine parameters and fuel blend for vibration and noise characteristics in CRDI engine fuelled with low viscous biofuel	Fuel					5.578	10.1016/j.fuel.2020.119659
97	Badekila A.K., Kini S., Jaiswal A.K.	Fabrication techniques of biomimetic scaffolds in three-dimensional cell culture: A review	Journal of Cellular Physiology					5.546	10.1002/jcp.29935

98	Raju P., Masimalai S.K., Ganesan N., Karthic S.V.	Engine's behavior on hydrogen addition of waste cooking oil fueled light duty diesel engine - A dual fuel approach	Energy	194				5.537	10.1016/j.energy.2019.116844
99	Panda A., Mishra U., Aviso K.B.	Optimizing hybrid power systems with compressed air energy storage	Energy	205				5.537	10.1016/j.energy.2020.117962
100	Kumar A., Singh S.K., Saxena S., Lakshmanan K., Sangaiah A.K., Chauhan H., Shrivastava S., Singh R.K.	Deep feature learning for histopathological image classification of canine mammary tumors and human breast cancer	Information Sciences	508		405	421	5.524	10.1016/j.ins.2019.08.072
101	Peng Z., Xiao X., Hu G., Kumar Sangaiah A., Atiquzzaman M., Xia S.	ABFL: An autoencoder based practical approach for software fault localization	Information Sciences	510		108	121	5.524	10.1016/j.ins.2019.08.077
102	Mohanty S., Patra A., Srivastava T.	MeV scale model of SIMP dark matter, neutrino mass and leptogenesis	Journal of Cosmology and Astroparticle Physics	2020	3			5.524	10.1088/1475-7516/2020/03/027
103	Ethirajan M., Arasu M T., Kandasamy J., K.E.K V., Nadeem S.P., Kumar A.	Analysing the risks of adopting circular economy initiatives in manufacturing supply chains	Business Strategy and the Environment					5.483	10.1002/bse.2617
104	M.S I., Cherukuri A.K.	Decision-making in cognitive paradoxes with contextuality and quantum formalism	Applied Soft Computing Journal	95				5.472	10.1016/j.asoc.2020.106521
105	Pandian B.J., Noel M.M.	Control of constrained high dimensional nonlinear liquid level processes using a novel neural network based Rapidly exploring Random Tree algorithm	Applied Soft Computing Journal	96				5.472	10.1016/j.asoc.2020.106709
106	Karthik R., Menaka R., Hariharan M.	Learning distinctive filters for COVID-19 detection from chest X-ray using shuffled residual CNN	Applied Soft Computing Journal					5.472	10.1016/j.asoc.2020.106744

107	Aala Kalananda V.K.R., Komanapalli V.L.N.	A combinatorial social group whale optimization algorithm for numerical and engineering optimization problems	Applied Soft Computing					5.472	10.1016/j.asoc.2020.106903
108	Sheriff S.A., Kumar I.K., Mandhatha P.S., Jambal S.S., Sellappan R., Ashok B., Nanthagopal K.	Emission reduction in CI engine using biofuel reformulation strategies through nano additives for atmospheric air quality improvement	Renewable Energy	147		2295	2308	5.439	10.1016/j.renene.2019.10.041
109	Kumar A.M., Kannan M., Nataraj G.	A study on performance, emission and combustion characteristics of diesel engine powered by nano-emulsion of waste orange peel oil biodiesel	Renewable Energy	146		1781	1795	5.439	10.1016/j.renene.2019.06.168
110	Vishal D., Dubey S., Goyal R., Dwivedi G., Baredar P., Chhabra M.	Optimization of alkali-catalyzed transesterification of rubber oil for biodiesel production & its impact on engine performance	Renewable Energy	158		167	180	5.439	10.1016/j.renene.2020.05.136
111	Singha S.S., Rudra S., Mondal S., Pradhan M., Nayak A.K., Satpati B., Pal P., Das K., Singha A.	Mn incorporated MoS ₂ nanoflowers: A high performance electrode material for symmetric supercapacitor	Electrochimica Acta	338				5.383	10.1016/j.electacta.2020.135815
112	Venkateshalu S., Grace A.N.	Ti ₃ C ₂ T _x MXene and Vanadium nitride/Porous carbon as electrodes for asymmetric supercapacitors	Electrochimica Acta	341				5.383	10.1016/j.electacta.2020.136035
113	Nisha S., Senthil Kumar A.	Biomimetic oxidation of benzo[a]pyrene to a quinone metabolite as a cysteine-oxidation mediator on MWCNT-modified electrode surface	Electrochimica Acta	350				5.383	10.1016/j.electacta.2020.136367
114	Saikrithika S., Huang S.-T., Senthil Kumar A.	Electrochemical polymerization of para-chloroaniline as highly redox-active poly(para-chloroaniline) on graphitized mesoporous carbon surface	Electrochimica Acta	349				5.383	10.1016/j.electacta.2020.136376

115	Minahil, Ayub M.F., Mahmood K., Kumari S., Sangaiah A.K.	Lightweight authentication protocol for e-health clouds in IoT based applications through 5G technology	Digital Communications and Networks					5.382	10.1016/j.dcan.2020.06.003
116	Mat Yazik M.H., Sultan M.T.H., Mazlan N., Abu Talib A.R., Naveen J., Shah A.U.M., Safri S.N.A.	Effect of hybrid multi-walled carbon nanotube and montmorillonite nanoclay content on mechanical properties of shape memory epoxy nanocomposite	Journal of Materials Research and Technology					5.289	10.1016/j.jmrt.2020.04.012
117	Xi L., Gu D., Guo S., Wang R., Ding K., Prashanth K.G.	Grain refinement in laser manufactured Al-based composites with TiB ₂ ceramic	Journal of Materials Research and Technology	9	3	2611	2622	5.289	10.1016/j.jmrt.2020.04.059
118	Rajesh M., Jayakrishna K., Sultan M.T.H., Manikandan M., Mugeshkannan V., Shah A.U.M., Safri S.N.A.	The hydroscopic effect on dynamic and thermal properties of woven jute, banana, and intra-ply hybrid natural fiber composites	Journal of Materials Research and Technology	9	5	10305	10315	5.289	10.1016/j.jmrt.2020.07.033
119	Jeevanantham A.K., Seenivasagam D.R., Ananthanarayanan R.	Strain hardening analysis and modelling for sintered Al-Cu-TiC preforms with varying process parameters during cold upsetting	Journal of Materials Research and Technology	9	5	12007	12018	5.289	10.1016/j.jmrt.2020.08.065
120	Deebak B.D.	Lightweight authentication and key management in mobile-sink for smart IoT-assisted systems	Sustainable Cities and Society	63				5.268	10.1016/j.scs.2020.102416
121	Gopikumar S., Raja S., Robinson Y.H., Shanmuganathan V., Chang H., Rho S.	A method of landfill leachate management using internet of things for sustainable smart city development	Sustainable Cities and Society					5.268	10.1016/j.scs.2020.102521
122	Bhattacharya S., Reddy Maddikunta P.K., Pham Q.-V., Gadekallu T.R., Krishnan S S.R., Chowdhary C.L., Alazab M., Jalil Piran M.	Deep learning and medical image processing for coronavirus (COVID-19) pandemic: A survey	Sustainable Cities and Society					5.268	10.1016/j.scs.2020.102589

123	Nair S.A.O., Panda S., Santhanam M., Sant G., Neithalath N.	A critical examination of the influence of material characteristics and extruder geometry on 3D printing of cementitious binders	Cement and Concrete Composites	112				5.172	10.1016/j.cemconcomp.2020.103671
124	Karthikeyan V., Vickram A.S., Manian R.	Estimation of varicocele associated human ARG2 and NOS1 proteins and computational analysis on the effect of its nsSNPs	International Journal of Biological Macromolecules	164		735	747	5.162	10.1016/j.ijbiomac.2020.07.159
125	Theyagarajan K., Elanchezian M., Aayushi P.S., Thenmozhi K.	Facile strategy for immobilizing horseradish peroxidase on a novel acetate functionalized ionic liquid/MWCNT matrix for electrochemical biosensing	International Journal of Biological Macromolecules	163		358	365	5.162	10.1016/j.ijbiomac.2020.07.005
126	Angelin J., Kavitha M.	Exopolysaccharides from probiotic bacteria and their health potential	International Journal of Biological Macromolecules	162		853	865	5.162	10.1016/j.ijbiomac.2020.06.190
127	Liu S., Sun L., Zhang H., Hu Q., Wang Y., Ramalingam M.	High-resolution combinatorial 3D printing of gelatin-based biomimetic triple-layered conduits for nerve tissue engineering	International Journal of Biological Macromolecules					5.162	10.1016/j.ijbiomac.2020.11.010
128	Samrot A.V., Sean T.C., Kudaiyappan T., Biswarah U., Mirarmandi A., Faradjeva E., Abubakar A., Ali H.H., Angalene J.L.A., Suresh Kumar S.	Production, characterization and application of nanocarriers made of polysaccharides, proteins, biopolyesters and other biopolymers: A review	International Journal of Biological Macromolecules	165		3088	3105	5.162	10.1016/j.ijbiomac.2020.10.104
129	Subhedar A., Bhadauria S., Ahankari S., Kargarzadeh H.	Nanocellulose in biomedical and biosensing applications: A review	International Journal of Biological Macromolecules					5.162	10.1016/j.ijbiomac.2020.10.217
130	Yamada M., Uemura F., Kunda U.M.R., Tanno T., Katagiri H., Hamada F.	Alkane Shape- and Size-Recognized Selective Vapor Sorption in "Channel-Like" Crystals Based on Thiocalixarene Assemblies	Chemistry - A European Journal					5.160	10.1002/chem.202000043

131	Sompalli N.K., Das A., Syamal De S., Mohan A.M., Deivasigamani P.	Mesoporous monolith designs of mixed phased titania codoped Sm ³⁺ /Er ³⁺ composites: A super responsive visible light photocatalysts for organic pollutant clean-up	Applied Surface Science	504				5.155	10.1016/j.apsusc.2019.144350
132	Praveen T.R., Shivananda Nayaka H., Swaroop S., Gopi K.R.	Strength enhancement of magnesium alloy through equal channel angular pressing and laser shock peening	Applied Surface Science	512				5.155	10.1016/j.apsusc.2020.145755
133	Vivekananthan V., Maria Joseph Raj N.P., Alluri N.R., Purusothaman Y., Chandrasekhar A., Kim S.-J.	Substantial improvement on electrical energy harvesting by chemically modified/sandpaper-based surface modification in micro-scale for hybrid nanogenerators	Applied Surface Science	514				5.155	10.1016/j.apsusc.2020.145904
134	Saravanakumar L., Prakash R.	Validation of performance and emissions of a CI engine fueled with calophyllum inophyllum methyl esters using soft computing technique	Fuel	266				5.128	10.1016/j.fuel.2020.117070
135	Thiyagarajan S., Sonthalia A., Edwin Geo V., Prakash T., Karthickeyan V., Ashok B., Nanthagopal K., Dhinesh B.	Effect of manifold injection of methanol/n-pentanol in safflower biodiesel fuelled CI engine	Fuel	261				5.128	10.1016/j.fuel.2019.116378
136	Gowtham M., Prakash R.	Control of regulated and unregulated emissions from a CI engine using reformulated nano fuel emulsions	Fuel	271				5.128	10.1016/j.fuel.2020.117596
137	Atelge M.R., Atabani A.E., Banu J.R., Krisa D., Kaya M., Eskicioglu C., Kumar G., Lee C., Yildiz Y.Ş., Unalan S., Mohanasundaram R., Duman F.	A critical review of pretreatment technologies to enhance anaerobic digestion and energy recovery	Fuel	270				5.128	10.1016/j.fuel.2020.117494

138	Zhu P., Yao J., Qian C., Yang F., Porpatham E., Zhang Z., Wu Z.	High-efficiency conversion of natural gas fuel to power by an integrated system of SOFC, HCCI engine, and waste heat recovery: Thermodynamic and thermo-economic analyses	Fuel	275				5.128	10.1016/j.fuel.2020.117883
139	Vignesh R., Ashok B.	Critical interpretative review on current outlook and prospects of selective catalytic reduction system for De-NOx strategy in compression ignition engine	Fuel	276				5.128	10.1016/j.fuel.2020.117996
140	Naresh Kumar A., Kishore P.S., Brahma Raju K., Nanthagopal K., Ashok B.	Experimental study on engine parameters variation in CRDI engine fuelled with palm biodiesel	Fuel	276				5.128	10.1016/j.fuel.2020.118076
141	Verma P., Dwivedi G., Behura A.K., Patel D.K., Verma T.N., Pugazhendhi A.	Experimental investigation of diesel engine fuelled with different alkyl esters of Karanja oil	Fuel	275				5.128	10.1016/j.fuel.2020.117920
142	Avinash G.R.S., Kavitha C., Ashok B., Vignesh R., Venkat V., Karthickeyan V.	Study of diesel fuel multiple injection characteristics using shadow-graphic imaging technique with CRDI system in constant volume chamber	Fuel	279				5.128	10.1016/j.fuel.2020.118436
143	Bhansali K.J., Bhagat P.R.	Perylene supported metal free brønsted acid-functionalized porphyrin intertwined with benzimidazolium moiety for enhanced photocatalytic etherification of furfuryl alcohol	Fuel	278				5.128	10.1016/j.fuel.2020.118394
144	Ashok B., Nanthagopal K., Chyuan O.H., Le P.T.K., khandolkar K., Raje N., Raj A., Karthickeyan V., Tamilvanan A.	Multi-functional fuel additive as a combustion catalyst for diesel and biodiesel in CI engine characteristics	Fuel	278				5.128	10.1016/j.fuel.2020.118250

145	Jacob A., Ashok B.	An interdisciplinary review on calibration strategies of engine management system for diverse alternative fuels in IC engine applications	Fuel	278				5.128	10.1016/j.fuel.2020.118236
146	Udhaya Kumar S., Thirumal Kumar D., Siva R., George Priya Doss C., Younes S., Younes N., Sidenna M., Zayed H.	Dysregulation of Signaling Pathways Due to Differentially Expressed Genes From the B-Cell Transcriptomes of Systemic Lupus Erythematosus Patients – A Bioinformatics Approach	Frontiers in Bioengineering and Biotechnology	8				5.122	10.3389/fbioe.2020.00276
147	Akansha J., Nidheesh P.V., Gopinath A., Anupama K.V., Suresh Kumar M.	Treatment of dairy industry wastewater by combined aerated electrocoagulation and phytoremediation process	Chemosphere	253				5.108	10.1016/j.chemosphere.2020.126652
148	Feng Z., Shen W., Rangaiah G.P., Dong L.	Design and control of vapor recompression assisted extractive distillation for separating n-hexane and ethyl acetate	Separation and Purification Technology	240				5.107	10.1016/j.seppur.2020.116655
149	Murugaiah V., Agostinis C., Varghese P.M., Belmonte B., Vieni S., Alaql F.A., Alrokayan S.H., Khan H.A., Kaur A., Roberts T., Madan T., Bulla R., Kishore U.	Hyaluronic Acid Present in the Tumor Microenvironment Can Negate the Proapoptotic Effect of a Recombinant Fragment of Human Surfactant Protein D on Breast Cancer Cells	Frontiers in Immunology	11				5.085	10.3389/fimmu.2020.01171
150	Kumar A., Vickram A.S., Sridharan T.B.	Oxidation driven surface hydrophobicity in human seminal plasma results in protein structural changes	Journal of Molecular Liquids	316				5.065	10.1016/j.molliq.2020.113900
151	Ranganathan N., Mahalingam G.	Validation of the antidiabetic potential of isolated and nanoemulsified endophytic fungal metabolite 2,4,6-triphenylaniline through AMPK activation pathway	Journal of Molecular Liquids	316				5.065	10.1016/j.molliq.2020.113836

152	Mohandoss S., Edison T.N.J.I., Atchudan R., Palanisamy S., Prabhu N.M., Napoleon A.A., You S., Lee Y.R.	Ultrasonic-assisted efficient synthesis of inclusion complexes of salsalate drug and β -cyclodextrin derivatives for potent biomedical applications	Journal of Molecular Liquids	319				5.065	10.1016/j.molliq.2020.114358
153	Saranya D., Shanthakumar S.	An integrated approach for tannery effluent treatment with ozonation and phycoremediation: A feasibility study	Environmental Research	183				5.026	10.1016/j.envres.2020.109163
154	Subramani M., Ramamoorthy M.	Vibration analysis of the multi-walled carbon nanotube reinforced doubly curved laminated composite shallow shell panels: An experimental and numerical study	Journal of Sandwich Structures and Materials					5.015	10.1177/1099636219900484
155	Selvaraj R., Ramamoorthy M.	Dynamic analysis of laminated composite sandwich beam containing carbon nanotubes reinforced magnetorheological elastomer	Journal of Sandwich Structures and Materials					5.015	10.1177/1099636220905253
156	George S., Abrahamse H.	Redox potential of antioxidants in cancer progression and prevention	Antioxidants	9	11	1	21	5.014	10.3390/antiox9111156
157	S C., S M., S L J.	Bag of Models based Embeddings for Assessment of Neurological disorders using Speech Intelligibility	IEEE Transactions on Emerging Topics in Computing					4.989	10.1109/TETC.2020.3003085
158	Nguyen M.T., Nguyen D.L.T., Xia C., Nguyen T.B., Shokouhimehr M., Sana S.S., Grace A.N., Aghbashlo M., Tabatabaei M., Sonne C., Kim S.Y., Lam S.S., Le Q.V.	Recent advances in asphaltene transformation in heavy oil hydroprocessing: Progress, challenges, and future perspectives	Fuel Processing Technology					4.982	10.1016/j.fuproc.2020.106681

159	Muthukumar J., Selvasekaran P., Lokanadham M., Chidambaram R.	Food and food products associated with food allergy and food intolerance – An overview	Food Research International	138				4.972	10.1016/j.foodres.2 020.109780
160	Li J., Li Y., Zhang W., Naraginti S., Sivakumar A., Zhang C.	Fabrication of novel tetrahedral Ag ₃ PO ₄ /g-C ₃ N ₄ /BiVO ₄ ternary composite for efficient detoxification of sulfamethoxazole	Process Safety and Environmental Protection	143		340	347	4.966	10.1016/j.psep.202 0.07.009
161	J. U., T. B., S. S., K.M. G.	A feasibility study on optimization of combined advanced oxidation processes for municipal solid waste leachate treatment	Process Safety and Environmental Protection	143		212	221	4.966	10.1016/j.psep.202 0.06.040
162	Deepika S., Selvaraj C.I., Roopan S.M.	Screening bioactivities of <i>Caesalpinia pulcherrima</i> L. swartz and cytotoxicity of extract synthesized silver nanoparticles on HCT116 cell line	Materials Science and Engineering C	106				4.959	10.1016/j.msec.20 19.110279
163	Acharya S., Panicker A.G., Gopal V., Dabas S.S., Manivasagam G., Suwas S., Chatterjee K.	Surface mechanical attrition treatment of low modulus Ti-Nb-Ta-O alloy for orthopedic applications	Materials Science and Engineering C	110				4.959	10.1016/j.msec.20 20.110729
164	Sannigrahi S., Arumugasamy S.K., Mathiyarasu J., K S.	Magnetosome-anti-Salmonella antibody complex based biosensor for the detection of Salmonella typhimurium	Materials Science and Engineering C	114				4.959	10.1016/j.msec.202 0.111071
165	Misra R., Singh J., Jain S.K., Faujdar S., Agrawal M., Mishra A., Goyal P.K.	Prediction of behavior of triangular solar air heater duct using V-down rib with multiple gaps and turbulence promoters as artificial roughness: A CFD analysis	International Journal of Heat and Mass Transfer	162				4.947	10.1016/j.ijheatmas stransfer.2020.1203 76
166	Bairabathina S., Balamurugan S.	Review on non-isolated multi-input step- up converters for grid-independent hybrid electric vehicles	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2 020.05.277

167	Subramanian B., Thangavel V.	Experimental investigations on performance, emission and combustion characteristics of Diesel-Hydrogen and Diesel-HHO gas in a Dual fuel CI engine	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2020.06.280
168	Rambabu K., Bharath G., Arangadi A.F., Velu S., Banat F., Show P.L.	ZrO ₂ incorporated polysulfone anion exchange membranes for fuel cell applications	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2020.08.175
169	Kumar P., Murthy A.P., Bezerra L.S., Martini B.K., Maia G., Madhavan J.	Carbon supported nickel phosphide as efficient electrocatalyst for hydrogen and oxygen evolution reactions	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2020.09.263
170	Choudhari M.S., Sharma V.K.	Thermodynamic simulation of hydrogen based thermochemical energy storage system	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2020.09.074
171	Gothandapani K., Venugopal V., Grace A.N.	Purified mesoporous nickel metal organic framework as electrocatalyst for hydrogen evolution reaction (HER) in basic medium	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2020.10.147
172	Sathishkumar S., Ibrahim M.M.	Comparison of the hydrogen powered homogeneous charge compression ignition mode with multiple injection schedules and the dual fuel mode using a twin-cylinder engine	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2020.10.032
173	Gupta S., Sharma V.K.	Performance investigation of a multi-stage sorption hydrogen compressor	International Journal of Hydrogen Energy					4.939	10.1016/j.ijhydene.2020.09.249
174	Thomas G.A.S., Robinson Y.H., Julie E.G., Shanmuganathan V., Rho S., Nam Y.	Intelligent prediction approach for diabetic retinopathy using deep learning based convolutional neural networks algorithm by means of retina photographs	Computers, Materials and Continua	66	2	1613	1629	4.890	10.32604/cmc.2020.013443

175	Priya V., Thaseen I.S., Gadekallu T.R., Aboudaif M.K., Nasr E.A.	Robust attack detection approach for iiot using ensemble classifier	Computers, Materials and Continua	66	3	2457	2470	4.89	10.32604/cmc.2021.013852
176	Sarma D., Das A., Bera U.K.	Uncertain demand estimation with optimization of time and cost using Facebook disaster map in emergency relief operation	Applied Soft Computing Journal	87				4.873	10.1016/j.asoc.2019.105992
177	Suresh M.C.V., Edward J.B.	A hybrid algorithm based optimal placement of DG units for loss reduction in the distribution system	Applied Soft Computing Journal	91				4.873	10.1016/j.asoc.2020.106191
178	Guha T., Gopal G., Chatterjee R., Mukherjee A., Kundu R.	Differential growth and metabolic responses induced by nano-scale zero valent iron in germinating seeds and seedlings of <i>Oryza sativa</i> L. cv. Swarna	Ecotoxicology and Environmental Safety	204				4.872	10.1016/j.ecoenv.2020.111104
179	Reddy N.R., Bhargav U., Kumari M.M., Cheralathan K.K., Shankar M.V., Reddy K.R., Saleh T.A., Aminabhavi T.M.	Highly efficient solar light-driven photocatalytic hydrogen production over Cu/FCNTs-titania quantum dots-based heterostructures	Journal of Environmental Management	254				4.865	10.1016/j.jenvman.2019.109747
180	Gopal G., Sankar H., Natarajan C., Mukherjee A.	Tetracycline removal using green synthesized bimetallic nZVI-Cu and bentonite supported green nZVI-Cu nanocomposite: A comparative study	Journal of Environmental Management	254				4.865	10.1016/j.jenvman.2019.109812
181	Bindu B., Vijayalakshmi S., Manikandan A.	Synthesis and discovery of triazolo-pyridazine-6-yl-substituted piperazines as effective anti-diabetic drugs; evaluated over dipeptidyl peptidase-4 inhibition mechanism and insulinotropic activities	European Journal of Medicinal Chemistry	187				4.833	10.1016/j.ejmech.2019.111912

182	Rajesh Kumar M., Violet Dhayabaran V., Sudhapriya N., Manikandan A., Gideon D.A., Annapoorani S.	p-TSA.H ₂ O mediated one-pot, multi-component synthesis of isatin derived imidazoles as dual-purpose drugs against inflammation and cancer	Bioorganic Chemistry	102				4.831	10.1016/j.bioorg.2020.104046
183	Ghatage P.S., Kar V.R., Sudhagar P.E.	On the numerical modelling and analysis of multi-directional functionally graded composite structures: A review	Composite Structures	236				4.829	10.1016/j.compstruct.2019.111837
184	Aditya S., Haboussi M., Shubhendu S., Ganapathi M., Polit O.	Supersonic flutter study of porous 2D curved panels reinforced with graphene platelets using an accurate shear deformable finite element procedure	Composite Structures	241				4.829	10.1016/j.compstruct.2020.112058
185	Roy N., Sen U., Madaan Y., Muthukumar V., Varddhan S., Sahoo S.K., Panda D., Bose B., Paira P.	Mitochondria-Targeting Click-Derived Pyridinyltriazolylmethylquinoxaline-Based Y-Shaped Binuclear Luminescent Ruthenium(II) and Iridium(III) Complexes as Cancer Theranostic Agents	Inorganic Chemistry	59	23	17689	17711	4.825	10.1021/acs.inorgchem.0c02928
186	Subramaniam M.D., Iyer M., Nair A.P., Venkatesan D., Mathavan S., Eruppakotte N., Kizhakkilach S., Chandran M.K., Roy A., Gopalakrishnan A.V., Vellingiri B.	Oxidative stress and mitochondrial transfer: A new dimension towards ocular diseases	Genes and Diseases					4.803	10.1016/j.gendis.2020.11.020
187	Viswanath V., Santhakumar K.	Synthesis, characterization and biological activity of cefazolin sodium dendrimer complexes	Journal of the Taiwan Institute of Chemical Engineers					4.794	10.1016/j.jtice.2020.10.033

188	J B., Numbi Ramudu K., MM B.	An efficient single pot DNA recombination method for protein library generation	International Journal of Biological Macromolecules	146		661	667	4.784	10.1016/j.ijbiomac.2019.12.191
189	Khan J.M., Malik A., Sen P., Ahmad A., Ahmed A., Atiya A.	Deciphering the role of premicellar and micellar concentrations of sodium dodecyl benzenesulfonate surfactant in insulin fibrillation at pH 2.0	International Journal of Biological Macromolecules	148		880	886	4.784	10.1016/j.ijbiomac.2020.01.215
190	Kandasamy S., Narayanan V., Sumathi S.	Zinc and manganese substituted hydroxyapatite/CMC/PVP electrospun composite for bone repair applications	International Journal of Biological Macromolecules	145		1018	1030	4.784	10.1016/j.ijbiomac.2019.09.193
191	Gokulnath B.V., Usha Devi G.	Boosted-DEPICT: an effective maize disease categorization framework using deep clustering	Neural Computing and Applications					4.774	10.1007/s00521-020-05303-w
192	Shanmuganathan V., Yesudhas H.R., Khan M.S., Khari M., Gandomi A.H.	R-CNN and wavelet feature extraction for hand gesture recognition with EMG signals	Neural Computing and Applications					4.774	10.1007/s00521-020-05349-w
193	Iyer S., Velmurugan T., Gandomi A.H., Noor Mohammed V., Saravanan K., Nandakumar S.	Structural health monitoring of railway tracks using IoT-based multi-robot system	Neural Computing and Applications					4.774	10.1007/s00521-020-05366-9
194	Kandasamy I., Vasantha W.B., Obbineni J.M., Smarandache F.	Sentiment analysis of tweets using refined neutrosophic sets	Computers in Industry	115				4.769	10.1016/j.compind.2019.103180
195	Zhang C., Li D., Kang X., Song D., Sangaiah A.K., Broumi S.	Neutrosophic fusion of rough set theory: An overview	Computers in Industry	115				4.769	10.1016/j.compind.2019.07.007

196	Jayagopal B., Murugesh S.	QbD-mediated RP-UPLC method development invoking an FMEA-based risk assessment to estimate nintedanib degradation products and their pathways	Arabian Journal of Chemistry	13	9	7087	7103	4.762	10.1016/j.arabjc.2020.07.014
197	Ramu A., Rajendrakumar K.	Natural catalyst mediated ARGET and SARA ATRP of: N -isopropylacrylamide and methyl acrylate	Polymer Chemistry	11	3	687	694	4.760	10.1039/c9py01770d
198	Seenan S., Kulathu Iyer S.	Colorimetric Metal Sensing of Fe ³⁺ and Cr ³⁺ and Photophysical and Electrochemical Studies Based on Benzo[4,5]thiazolo[3,2- a]pyrimidine-3-carboxylate and Its Derivatives	Journal of Organic Chemistry					4.745	10.1021/acs.joc.9b02297
199	Murugaiah V., Varghese P.M., Saleh S.M., Tsolaki A.G., Alrokayan S.H., Khan H.A., Collison K.S., Sim R.B., Nal B., Al-Mohanna F.A., Kishore U.	Complement-Independent Modulation of Influenza A Virus Infection by Factor H	Frontiers in Immunology	11				4.716	10.3389/fimmu.2020.00355
200	Sujitha S., Dinesh P., Rasool M.	Berberine encapsulated PEG-coated liposomes attenuate Wnt1/ β -catenin signaling in rheumatoid arthritis via miR-23a activation	European Journal of Pharmaceutics and Biopharmaceutics	149		170	191	4.708	10.1016/j.ejpb.2020.02.007
201	Anwar Bég O., Venkatadri K., Ramachandra Prasad V., Bég T.A., Kadir A., Leonard H.J.	Numerical simulation of hydromagnetic Marangoni convection flow in a Darcian porous semiconductor melt enclosure with buoyancy and heat generation effects	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	261				4.706	10.1016/j.mseb.2020.114722

202	Ram J.P., Pillai D.S., Ghias A.M.Y.M., Rajasekar N.	Performance enhancement of solar PV systems applying P&O assisted Flower Pollination Algorithm (FPA)	Solar Energy	199		214	229	4.674	10.1016/j.solener.2020.02.019
203	George G., Saravanakumar M.P.	Fabrication and performance analysis of a low cost, Pt free counter electrode using carbon coated ZnAl layered double hydroxide (C/ZnAl-LDH) for dye sensitized solar cells	Solar Energy	202		144	154	4.674	10.1016/j.solener.2020.03.113
204	Devan P., Khare N.	An efficient XGBoost–DNN-based classification model for network intrusion detection system	Neural Computing and Applications					4.664	10.1007/s00521-020-04708-x
205	Suresh S., Mohan S.	ROI-based feature learning for efficient true positive prediction using convolutional neural network for lung cancer diagnosis	Neural Computing and Applications					4.664	10.1007/s00521-020-04787-w
206	Rajadurai H., Gandhi U.D.	A stacked ensemble learning model for intrusion detection in wireless network	Neural Computing and Applications					4.664	10.1007/s00521-020-04986-5
207	Alavudeen Basha A., Vivekanandan S.	A fuzzy-based adaptive multi-input–output scheme in lieu of diabetic and hypertension management for post-operative patients: an human–machine interface approach with its continuum	Neural Computing and Applications					4.664	10.1007/s00521-020-04975-8
208	Tejwani S., Machiraju P., Nair A.P., Ghosh A., Das R.K., Ghosh A., Sethu S.	Treatment of glaucoma by prostaglandin agonists and beta-blockers in combination directly reduces pro-fibrotic gene expression in trabecular meshwork	Journal of Cellular and Molecular Medicine					4.658	10.1111/jcmm.15172

209	Karimi J., Suryanarayana C., Okulov I., Prashanth K.G.	Selective laser melting of Ti6Al4V: Effect of laser re-melting	Materials Science and Engineering A					4.652	10.1016/j.msea.2020.140558
210	Sasikala C., Suresh G., Durairaj N., Baskaran I., Sathyaseelan B., Kumar M., Senthilnathan K., Manikandan E.	Influences of Ti ⁴⁺ ion on dielectric property in perovskite structure of La ferrite (LaFe _{1-x} Ti _x O ₃)	Journal of Alloys and Compounds	845				4.650	10.1016/j.jallcom.2020.155040
211	Murali S., Dammala P.K., Rani B., Santhosh R., Jadhao C., Sahu N.K.	Polyol mediated synthesis of anisotropic ZnO nanomaterials and composite with rGO: Application towards hybrid supercapacitor	Journal of Alloys and Compounds	844				4.650	10.1016/j.jallcom.2020.156149
212	Vu T.V., Lavrentyev A.A., Gabrelian B.V., Sabov V.I., Sabov M.Y., Pogodin A.I., Barchiy I.E., Fedorchuk A.O., Balinska A., Bak Z., Khyzhun O.Y., Piasecki M.	TiSbP ₂ Se ₆ - a new layered single crystal: growth, structure and electronic properties	Journal of Alloys and Compounds	848				4.650	10.1016/j.jallcom.2020.156485
213	Khatua P.K., Ramachandaramurthy V.K., Kasinathan P., Yong J.Y., Pasupuleti J., Rajagopalan A.	Application and assessment of internet of things toward the sustainability of energy systems: Challenges and issues	Sustainable Cities and Society	53				4.624	10.1016/j.scs.2019.101957
214	Deebak B.D., Al-Turjman F.	A novel community-based trust aware recommender systems for big data cloud service networks	Sustainable Cities and Society	61				4.624	10.1016/j.scs.2020.102274
215	Kirn Kumar N., Indra Gandhi V., Ravi L., Vijayakumar V., Subramaniaswamy V.	Improving security for wind energy systems in smart grid applications using digital protection technique	Sustainable Cities and Society	60				4.624	10.1016/j.scs.2020.102265
216	Pugazhenthiran N., Mangalaraja R.V., Vijaya S., Suresh S., Kandasamy M., Sathishkumar P., Valdés H., Gracia-Pinilla M.A., Murugesan S., Anandan S.	Fluorine-free synthesis of reduced graphene oxide modified anatase TiO ₂ nanoflowers photoanode with highly exposed {0 0 1} facets for high performance dye-sensitized solar cell	Solar Energy	211		1017	1026	4.608	10.1016/j.solener.2020.10.008

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218	Vuppala B., Swarnalatha P.	Quantitative evaluation method of cloud resources based on work scheduling	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02342-y
219	Krithika L.B., Priya G.G.L.	Graph based feature extraction and hybrid classification approach for facial expression recognition	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02311-5
220	Gang R., Nagarajan S.M., Anandhan P.	Mechanism of the effect of traditional Chinese medicine fumigation on blood lactic acid in exercise body	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02356-6
221	Jeevitha S., Amutha Prabha N.	Novel medical image encryption using DWT block-based scrambling and edge maps	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02399-9
222	Moorthy U., Gandhi U.D.	A novel optimal feature selection technique for medical data classification using ANOVA based whale optimization	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02592-w

223	Venkatesan M., Mathivanan S.K., Jayagopal P., Mani P., Rajendran S., Subramaniam U.S., Ramalingam A.C., Rajasekaran V.A., Indirajithu A., Sorakaya Somanathan M.	Forecasting of the SARS-CoV-2 epidemic in India using SIR model, flatten curve and herd immunity	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02641-4
224	Sridhar N., Kowsalya M.	Enhancement of power management in micro grid system using adaptive ALO technique	Journal of Ambient Intelligence and Humanized Computing					4.594	10.1007/s12652-020-02313-3
225	Mallick S., Murugesan M.	Hydrogen bond dynamics in aqueous Malonamide system: An experimental and theoretical approach	Journal of Molecular Liquids	301				4.561	10.1016/j.molliq.2020.112446
226	Vinotha Alex A., Chandrasekaran N., Mukherjee A.	Novel enzymatic synthesis of core/shell AgNP/AuNC bimetallic nanostructure and its catalytic applications	Journal of Molecular Liquids	301				4.561	10.1016/j.molliq.2020.112463
227	Manusha P., Senthilkumar S.	Design and synthesis of phenothiazine based imidazolium ionic liquid for electrochemical nonenzymatic detection of sulfite in food samples	Journal of Molecular Liquids	301				4.561	10.1016/j.molliq.2019.112412
228	Karthikeyan C.P., Kalpana G., Krishnamoorthy V., Samuel A.A.	Transient numerical analysis of thermophoresis and particle dynamics in a nanofluid – pool boiling conditions	Journal of Molecular Liquids	301				4.561	10.1016/j.molliq.2020.112459
229	Mohandoss S., Atchudan R., Edison T.N.J.I., Mishra K., Tamargo R.J.I., Palanisamy S., Yelithao K., You S., Napoleon A.A., Lee Y.R.	Enhancement of solubility, antibiofilm, and antioxidant activity of uridine by inclusion in β -cyclodextrin derivatives	Journal of Molecular Liquids	306				4.561	10.1016/j.molliq.2020.112849

230	Sreedurgalakshmi K., Srikar R., Rajkumari R.	CRISPR-Cas deployment in non-small cell lung cancer for target screening, validations, and discoveries	Cancer Gene Therapy					4.534	10.1038/s41417-020-00256-7
231	Siva Shanmugam N.R., Jino Blessy J., Veluraja K., Michael Gromiha M.	ProCaff: protein-carbohydrate complex binding affinity database	Bioinformatics (Oxford, England)	36	11	3615	3617	4.531	10.1093/bioinformatics/btaa141
232	Dash D.M., Osborne W.J.	Rapid biodegradation and biofilm-mediated bioremoval of organophosphorus pesticides using an indigenous Kosakonia oryzae strain - VITPSCQ3 in a Vertical-flow Packed Bed Biofilm Bioreactor	Ecotoxicology and Environmental Safety	192				4.527	10.1016/j.ecoenv.2020.110290
233	Dinesh P., Kalaiselvan S., Sujitha S., Rasool M.	miR-506-3p alleviates uncontrolled osteoclastogenesis via repression of RANKL/NFATc1 signaling pathway	Journal of Cellular Physiology					4.522	10.1002/jcp.29757
234	Miryala S.K., Anbarasu A., Ramaiah S.	Gene interaction network approach to elucidate the multidrug resistance mechanisms in the pathogenic bacterial strain Proteus mirabilis	Journal of Cellular Physiology					4.522	10.1002/jcp.29874
235	Ramachandran V., Anand M.A.V., David E., Venkatachalam K., Vijayakumar S., Sankaran V., Balupillai A., Sangeetha C.C., Gothandam K.M., Kotakadi V.S., Ghidan A., Al Antary T., Xu B.	Antidiabetic activity of gold nanoparticles synthesized using wedelolactone in RIN-5F cell line	Antioxidants	9	1			4.520	10.3390/antiox9010008

236	Chacko N., Jeyaseelan T.	Comparative evaluation of graphene oxide and graphene nanoplatelets as fuel additives on the combustion and emission characteristics of a diesel engine fuelled with diesel and biodiesel blend	Fuel Processing Technology	204				4.507	10.1016/j.fuproc.2020.106406
237	Gunasekaran V., Pitchaimani J., Mailan Chinnapandi L.B.	Vibro-acoustics response of an isotropic plate under non-uniform edge loading: An analytical investigation	Aerospace Science and Technology	105				4.499	10.1016/j.ast.2020.106052
238	Arun D., Vimala R., Devendranath Ramkumar K.	Investigating the microbial-influenced corrosion of UNS S32750 stainless-steel base alloy and weld seams by biofilm-forming marine bacterium <i>Macrocooccus equiperficus</i>	Bioelectrochemistry	135				4.474	10.1016/j.bioelechem.2020.107546
239	Arora S., Pacif S.K.J., Bhattacharjee S., Sahoo P.K.	f(Q,T) gravity models with observational constraints	Physics of the Dark Universe	30				4.473	10.1016/j.dark.2020.100664
240	Panneerselvam I.R., Baldo C., III, Sahasranaman M., Murugesan S., Rangaswamy N., Rajendra Pai S.D.K., Selvarathinam Y.	Large power factors in wide band gap semiconducting rFeO ₃ materials for high-temperature thermoelectric applications	ACS Applied Energy Materials	3	11	11193	11205	4.473	10.1021/acsaem.0c02128
241	Ayyanaar S., Balachandran C., Bhaskar R.C., Kesavan M.P., Aoki S., Raja R.P., Rajesh J., Webster T.J., Rajagopal G.	ROS-responsive chitosan coated magnetic iron oxide nanoparticles as potential vehicles for targeted drug delivery in cancer therapy	International Journal of Nanomedicine	15		3333	3346	4.471	10.2147/IJN.S249240
242	Son L.H., Ngan R.T., Ali M., Fujita H., Abdel-Basset M., Giang N.L., Manogaran G., Priyan M.K.	A New Representation of Intuitionistic Fuzzy Systems and Their Applications in Critical Decision Making	IEEE Intelligent Systems	35	1	6	17	4.464	10.1109/MIS.2019.2938441

243	Subbaraj S., Kanagasabai M., Gulam Nabi Alsath M., Palaniswamy S.K., Kingsly S., Kulanthaisamy I., Shrivastav A.K., Natarajan R., Meiyalagan S.	A Compact Frequency-Reconfigurable Antenna with Independent Tuning for Hand-Held Wireless Devices	IEEE Transactions on Antennas and Propagation	68	2	1151	1154	4.435	10.1109/TAP.2019.2938668
244	Shaik S., Gorantla K., Venkata Ramana M., Mishra S., Kulkarni K.S.	Thermal and cost assessment of various polymer-dispersed liquid crystal film smart windows for energy efficient buildings	Construction and Building Materials	263				4.419	10.1016/j.conbuildmat.2020.120155
245	Yadav A.L., Sairam V., Srinivasan K., Muruganandam L.	Synthesis and characterization of geopolymer from metakaolin and sugarcane bagasse ash	Construction and Building Materials	258				4.419	10.1016/j.conbuildmat.2020.119231
246	Chintalapudi K., Pannem R.M.R.	An intense review on the performance of Graphene Oxide and reduced Graphene Oxide in an admixed cement system	Construction and Building Materials	259				4.419	10.1016/j.conbuildmat.2020.120598
247	Sujay H.M., Nair N.A., Sudarsana Rao H., Sairam V.	Experimental study on durability characteristics of composite fiber reinforced high-performance concrete incorporating nanosilica and ultra fine fly ash	Construction and Building Materials	262				4.419	10.1016/j.conbuildmat.2020.120738
248	Ramlee N.A., Naveen J., Jawaid M.	Potential of oil palm empty fruit bunch (OPEFB) and sugarcane bagasse fibers for thermal insulation application – A review	Construction and Building Materials					4.419	10.1016/j.conbuildmat.2020.121519
249	Cherukuri S.H.C., Saravanan B., Arunkumar G.	Experimental evaluation of the performance of virtual storage units in hybrid micro grids	International Journal of Electrical Power and Energy Systems	114				4.418	10.1016/j.ijepes.2019.105379
250	Meena D., Agilandeewari L.	Invariant Features-Based Fuzzy Inference System for Animal Detection and Recognition Using Thermal Images	International Journal of Fuzzy Systems					4.406	10.1007/s40815-020-00907-9

251	Hussaian Basha C.H., Rani C.	Performance Analysis of MPPT Techniques for Dynamic Irradiation Condition of Solar PV	International Journal of Fuzzy Systems					4.406	10.1007/s40815-020-00974-y
252	Banerjee K., Madhyastha H., Sandur V. R., Manikandanath N.T., Thiagarajan N., Thiagarajan P.	Anti-inflammatory and wound healing potential of a clove oil emulsion	Colloids and Surfaces B: Biointerfaces	193				4.389	10.1016/j.colsurfb.2020.111102
253	Sambandam P., Kanagasabai M., Natarajan R., Alsath M.G.N., Palaniswamy S.	Miniaturized Button-Like WBAN Antenna for Off-Body Communication	IEEE Transactions on Antennas and Propagation	68	7	5228	5235	4.371	10.1109/TAP.2020.2980367
254	Aggarwal A., Chouhan A., Patel S., Yadav D.K., Kumar A., Vinod A.R., Prashanth K.G., Gurao N.P.	Role of impinging powder particles on melt pool hydrodynamics, thermal behaviour and microstructure in laser-assisted DED process: A particle-scale DEM – CFD – CA approach	International Journal of Heat and Mass Transfer	158				4.346	10.1016/j.ijheatmasstransfer.2020.119989
255	Gopal G., Kvg R., Salma M., Lavanya Agnes Angalene J., Chandrasekaran N., Mukherjee A.	Green synthesized Fe/Pd and in-situ Bentonite-Fe/Pd composite for efficient tetracycline removal	Journal of Environmental Chemical Engineering	8	5			4.300	10.1016/j.jece.2020.104126
256	Mohana S., Sumathi S.	Synthesis of zinc oxide using Agaricus bisporus and its in-vitro biological activities	Journal of Environmental Chemical Engineering	8	5			4.300	10.1016/j.jece.2020.104192
257	Gunasekaran D., Chandrasekaran N., Jenkins D., Mukherjee A.	Plain polystyrene microplastics reduce the toxic effects of ZnO particles on marine microalgae Dunaliella salina.	Journal of Environmental Chemical Engineering	8	5			4.300	10.1016/j.jece.2020.104250
258	Roy B., P.k. S., Chandrasekaran N., Mukherjee A.	UVB pre-irradiation of titanium dioxide nanoparticles is more detrimental to freshwater algae than UVA pre-irradiation	Journal of Environmental Chemical Engineering	8	5			4.300	10.1016/j.jece.2020.104076

259	Roy N., Alex S.A., Chandrasekaran N., Mukherjee A., Kannabiran K.	A comprehensive update on antibiotics as an emerging water pollutant and their removal using nano-structured photocatalysts	Journal of Environmental Chemical Engineering					4.300	10.1016/j.jece.2020.104796
260	Ishwarya M.S., Kumar C.A.	Quantum Aspects of High Dimensional Conceptual Space: a Model for Achieving Consciousness	Cognitive Computation					4.287	10.1007/s12559-020-09712-w
261	Sundararaghavan A., Mukherjee A., Sahoo S., Suraishkumar G.K.	Mechanism of the oxidative stress-mediated increase in lipid accumulation by the bacterium, R. opacus PD630: Experimental analysis and genome-scale metabolic modeling	Biotechnology and Bioengineering					4.260	10.1002/bit.27330
262	Manohar P., Loh B., Athira S., Nachimuthu R., Hua X., Welburn S.C., Leptihn S.	Secondary Bacterial Infections During Pulmonary Viral Disease: Phage Therapeutics as Alternatives to Antibiotics?	Frontiers in Microbiology	11				4.235	10.3389/fmicb.2020.01434
263	Acharjya D.P., Abraham A.	Rough computing — A review of abstraction, hybridization and extent of applications	Engineering Applications of Artificial Intelligence	96				4.201	10.1016/j.engappai.2020.103924
264	Dhakar B., Swaroop S.	Effect of laser shock peening on mechanical and microstructural aspects of 6061-T6 aluminum alloy	Journal of Materials Processing Technology	282				4.178	10.1016/j.jmatprot.2020.116640
265	Kavita S., Anusha G., Bhatt P., Suresh V., Vijay R., Sethupathi K., Gopalan R.	On the giant magnetocaloric and mechanical properties of Mn–Fe–P–Si–Ge alloy	Journal of Alloys and Compounds	817				4.175	10.1016/j.jallcom.2019.153232
266	Sokkalingam R., Sivaprasad K., Duraiselvam M., Muthupandi V., Prashanth K.G.	Novel welding of Al0.5CoCrFeNi high-entropy alloy: Corrosion behavior	Journal of Alloys and Compounds	817				4.175	10.1016/j.jallcom.2019.153163

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268	Gopal V., Manivasagam G.	Wear – Corrosion synergistic effect on Ti–6Al–4V alloy in H ₂ O ₂ and albumin environment	Journal of Alloys and Compounds	830				4.175	10.1016/j.jallcom.2020.154539
269	Zhao C., Wang Z., Li D., Xie M., Kollo L., Luo Z., Zhang W., Prashanth K.G.	Comparison of additively manufacturing samples fabricated from pre-alloyed and mechanically mixed powders	Journal of Alloys and Compounds	830				4.175	10.1016/j.jallcom.2020.154603
270	Shobana M.K.	Self-supported materials for battery technology-A review	Journal of Alloys and Compounds	831				4.175	10.1016/j.jallcom.2020.154844
271	Mondal A., Paira P.	Hypoxia efficient and glutathione-resistant cytoselective ruthenium(ii)-p-cymene-arylimidazophenanthroline complexes: biomolecular interaction and live cell imaging	Dalton Transactions	49	36	12865	12878	4.174	10.1039/d0dt02069a
272	Kannan N., Patil A.R., Sinha A.	Direct C-H bond halogenation and pseudohalogenation of hydrocarbons mediated by high-valent 3d metal-oxo species	Dalton Transactions	49	41	14344	14360	4.174	10.1039/d0dt02533j
273	Khare P., Maurya R., Bhatia R., Mangal P., Singh J., Podili K., Bishnoi M., Kondepudi K.K.	Polyphenol rich extracts of finger millet and kodo millet ameliorate high fat diet-induced metabolic alterations	Food & function	11	11	9833	9847	4.171	10.1039/d0fo01643h
274	Ishaque N.M., Burgsdorf I., Malit J.J.L., Saha S., Teta R., Ewe D., Kannabiran K., Hrouzek P., Steindler L., Costantino V., Saurav K.	Isolation, genomic and metabolomic characterization of Streptomyces tendae VITAKN with quorum sensing inhibitory activity from Southern India	Microorganisms	8	1			4.167	10.3390/microorganisms8010121

275	Gupta P., Rather S.A., Saha B.K., Panda T., Karothu D.P., Nath N.K.	Mechanical Flexibility of Molecular Crystals Achieved by Exchanging Hydrogen Bonding Synthons	Crystal Growth and Design	20	5	2847	2852	4.153	10.1021/acs.cgd.9b01530
276	Theyagarajan K., Yadav S., Satija J., Thenmozhi K., Senthilkumar S.	Gold Nanoparticle-Redox Ionic Liquid based Nanoconjugated Matrix as a Novel Multifunctional Biosensing Interface	ACS Biomaterials Science and Engineering					4.152	10.1021/acsbiomaterials.0c00807
277	Samarpita S., Kim J.Y., Rasool M.K., Kim K.S.	Investigation of toll-like receptor (TLR) 4 inhibitor TAK-242 as a new potential anti-rheumatoid arthritis drug	Arthritis research & therapy	22	1	16		4.148	10.1186/s13075-020-2097-2
278	Sahithi B.M., Razi K., Al Murad M., Vinothkumar A., Jagadeesan S., Benjamin L.K., Jeong B.R., Muneer S.	Comparative physiological and proteomic analysis deciphering tolerance and homeostatic signaling pathways in chrysanthemum under drought stress	Physiologia Plantarum					4.148	10.1111/ppl.13142
279	Al Murad M., Razi K., Benjamin L.K., Lee J.H., Kim T.H., Muneer S.	Ethylene regulates sulfur acquisition by regulating the expression of sulfate transporter genes in oilseed rape	Physiologia Plantarum					4.148	10.1111/ppl.13157
280	Venkatadri K., Anwar Béğ O., Rajarajeswari P., Ramachandra Prasad V.	Numerical simulation of thermal radiation influence on natural convection in a trapezoidal enclosure: Heat flow visualization through energy flux vectors	International Journal of Mechanical Sciences	171				4.134	10.1016/j.ijmecsci.2019.105391
281	Pawar S., Patel D.K.	Study of conjugate heat transfer from the impingement of an inclined free slot jet onto the moving hot surface	International Communications in Heat and Mass Transfer	111				4.127	10.1016/j.icheatmasstransfer.2019.104429
282	Mahendran N., Durai Raj Vincent P.M., Srinivasan K., Sharma V., Jayakody D.K.	Realizing a Stacking Generalization Model to Improve the Prediction Accuracy of Major Depressive Disorder in Adults	IEEE Access	8		49509	49522	4.098	10.1109/ACCESS.2020.2977887

283	Khan J., Li J.P., Ahamad B., Parveen S., Ul Haq A., Khan G.A., Sangaiah A.K.	SMSH: Secure surveillance mechanism on smart healthcare IoT system with probabilistic image encryption	IEEE Access	8		15747	15767	4.098	10.1109/ACCESS.2020.2966656
284	Numan M., Subhan F., Khan W.Z., Hakak S., Haider S., Reddy G.T., Jolfaei A., Alazab M.	A Systematic Review on Clone Node Detection in Static Wireless Sensor Networks	IEEE Access	8		65450	65461	4.098	10.1109/ACCESS.2020.2983091
285	Reddy G.T., Reddy M.P.K., Lakshmana K., Kaluri R., Rajput D.S., Srivastava G., Baker T.	Analysis of Dimensionality Reduction Techniques on Big Data	IEEE Access	8		54776	54788	4.098	10.1109/ACCESS.2020.2980942
286	Elavarasan D., Durairaj Vincent P.M.	Crop Yield Prediction Using Deep Reinforcement Learning Model for Sustainable Agrarian Applications	IEEE Access	8		86886	86901	4.098	10.1109/ACCESS.2020.2992480
287	Padmanaban Y., Muthukumarasamy M.	Scalable Grid-Based Data Gathering Algorithm for Environmental Monitoring Wireless Sensor Networks	IEEE Access	8		79357	79367	4.098	10.1109/ACCESS.2020.2990999
288	Sengupta A., Seal A., Panigrahy C., Krejcar O., Yazidi A.	Edge Information Based Image Fusion Metrics Using Fractional Order Differentiation and Sigmoidal Functions	IEEE Access	8		88385	88398	4.098	10.1109/ACCESS.2020.2993607
289	Alazab M., Khan S., Krishnan S.S.R., Pham Q.-V., Reddy M.P.K., Gadekallu T.R.	A Multidirectional LSTM Model for Predicting the Stability of a Smart Grid	IEEE Access	8		85454	85463	4.098	10.1109/ACCESS.2020.2991067
290	Bhargava C., Sharma P.K., Senthilkumar M., Padmanaban S., Ramachandaramurthy V.K., Leonowicz Z., Blaabjerg F., Mitolo M.	Review of Health Prognostics and Condition Monitoring of Electronic Components	IEEE Access	8		75163	75183	4.098	10.1109/ACCESS.2020.2989410
291	Iwendi C., Jalil Z., Javed A.R., Thippa Reddy G., Kaluri R., Srivastava G., Jo O.	KeySplitWatermark: Zero Watermarking Algorithm for Software Protection against Cyber-Attacks	IEEE Access	8		72650	72660	4.098	10.1109/ACCESS.2020.2988160

292	Sangaiah A.K., Goli A., Tirkolaee E.B., Ranjbar-Bourani M., Pandey H.M., Zhang W.	Big Data-Driven Cognitive Computing System for Optimization of Social Media Analytics	IEEE Access	8		82215	82226	4.098	10.1109/ACCESS.2020.2991394
293	Yang G., Jan M.A., Menon V.G., Shynu P.G., Aimal M.M., Alshehri M.D.	A Centralized Cluster-Based Hierarchical Approach for Green Communication in a Smart Healthcare System	IEEE Access	8		101464	101475	4.098	10.1109/ACCESS.2020.2998452
294	Jacob S., Alagirisamy M., Menon V.G., Kumar B.M., Jhanjhi N.Z., Ponnusamy V., Shynu P.G., Balasubramanian V.	An Adaptive and Flexible Brain Energized Full Body Exoskeleton with IoT Edge for Assisting the Paralyzed Patients	IEEE Access	8		100721	100731	4.098	10.1109/ACCESS.2020.2997727
295	Mishra M.K., Mishra K., Narayan A., Reddy C.M., Vangala V.R.	Structural Basis for Mechanical Anisotropy in Polymorphs of a Caffeine-Glutamic Acid Cocrystal	Crystal Growth and Design	20	10	6306	6315	4.089	10.1021/acs.cgd.0c01033
296	Jadhav P.S., Mohanty C.P., Hotta T.K., Gupta M.	An optimal approach for improving the machinability of Nimonic C-263 superalloy during cryogenic assisted turning	Journal of Manufacturing Processes	58		693	705	4.086	10.1016/j.jmapro.2020.08.017
297	Sujai S., Devendranath Ramkumar K.	Microstructure and properties of nano-SiO ₂ activated flux TIG (A-TIG) welding of Incoloy 925 joints	Journal of Manufacturing Processes	58		998	1018	4.086	10.1016/j.jmapro.2020.08.061
298	Arthisree D., Madhuri W.	Optically active polymer nanocomposite composed of polyaniline, polyacrylonitrile and green synthesized graphene quantum dot for supercapacitor application	International Journal of Hydrogen Energy					4.084	10.1016/j.ijhydene.2020.01.179
299	Subramanian B., Thangavel V.	Analysis of onsite HHO gas generation system	International Journal of Hydrogen Energy					4.084	10.1016/j.ijhydene.2020.03.159

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301	Vishnu J., Sankar M., Rack H.J., Rao N., Singh A.K., Manivasagam G.	Effect of phase transformations during aging on tensile strength and ductility of metastable beta titanium alloy Ti-35Nb-7Zr-5Ta-0.35O for orthopedic applications	Materials Science and Engineering A	779				4.081	10.1016/j.msea.2020.139127
302	Samuel M.S., Suman S., Venkateshkannan, Selvarajan E., Mathimani T., Pugazhendhi A.	Immobilization of Cu ₃ (btc) ₂ on graphene oxide-chitosan hybrid composite for the adsorption and photocatalytic degradation of methylene blue	Journal of Photochemistry and Photobiology B: Biology	204				4.067	10.1016/j.jphotobiol.2020.111809
303	Teja C., Khan F.R.N.	Radical Transformations towards the Synthesis of Quinoline: A Review	Chemistry - An Asian Journal	15	24	4153	4167	4.056	10.1002/asia.202001156
304	Prabu S., David E., Viswanathan T., Thirumoorthy K., Panda T., Dragonetti C., Colombo A., Marinotto D., Righetto S., Roberto D., Palanisami N.	NLO-active Y-shaped ferrocene conjugated imidazole chromophores as precursors for SHG polymeric films	Dalton Transactions	49	6	1854	1863	4.052	10.1039/c9dt03637g
305	Mehta R., van Beek T.A., Tetala K.K.R.	A micro-solid phase extraction device to prepare a molecularly imprinted porous monolith in a facile mode for fast protein separation	Journal of Chromatography A	1627				4.049	10.1016/j.chroma.2020.461415
306	Yeddula B.S.R., Karthiyaini S.	Experimental investigations and GEP modelling of compressive strength of ferrosialate based geopolymer mortars	Construction and Building Materials	236				4.046	10.1016/j.conbuildmat.2019.117602

307	Athiyamaan V., Mohan Ganesh G.	Experimental, statistical and simulation analysis on impact of micro steel – Fibres in reinforced SCC containing admixtures	Construction and Building Materials	246				4.046	10.1016/j.conbuildmat.2020.118450
308	Devulapalli L., Kothandaraman S., Sarang G.	Effect of rejuvenating agents on stone matrix asphalt mixtures incorporating RAP	Construction and Building Materials	254				4.046	10.1016/j.conbuildmat.2020.119298
309	Shanmugavel D., Selvaraj T., Ramadoss R., Raneri S.	Interaction of a viscous biopolymer from cactus extract with cement paste to produce sustainable concrete	Construction and Building Materials	257				4.046	10.1016/j.conbuildmat.2020.119585
310	Dhanushkodi M., Vinoth Kumar G.G., Balachandar B.K., Sarveswari S., Gandhi S., Rajesh J.	A simple pyrazine based ratiometric fluorescent sensor for Ni ²⁺ ion detection	Dyes and Pigments	173				4.018	10.1016/j.dyepig.2019.107897
311	Thiyagarajan M.D., Balijapalli U., Leitonas K., Volyniuk D., Simokaitiene J., Keruckas J., Jatautienė E., Pathak M., Iyer S.K., Gražulevičius J.V.	Human-eyes-friendly white electroluminescence from solution-processable hybrid OLEDs exploiting new iridium (III) complex containing benzoimidazophenanthridine ligand	Dyes and Pigments	174				4.018	10.1016/j.dyepig.2019.108068
312	Saravanakumar M., Umamahesh B., Selvakumar R., Dhanapal J., Ashok kumar S.K., Sathiyarayanan K.I.	A colorimetric and ratiometric fluorescent sensor for biogenic primary amines based on dicyanovinyl substituted phenanthridine conjugated probe	Dyes and Pigments	178				4.018	10.1016/j.dyepig.2020.108346
313	Renu K., Subramaniam M.D., Chakraborty R., Myakala H., Iyer M., Bharathi G., Siva K., Vellingiri B., Valsala Gopalakrishnan A.	The role of Interleukin-4 in COVID-19 associated male infertility – A hypothesis	Journal of Reproductive Immunology	142				4.018	10.1016/j.jri.2020.103213

314	Pitchaiya S., Eswaramoorthy N., Natarajan M., Santhanam A., Asokan V., Madurai Ramakrishnan V., Rangasamy B., Sundaram S., Ravirajan P., Velauthapillai D.	Perovskite Solar Cells: A Porous Graphitic Carbon based Hole Transporter/Counter Electrode Material Extracted from an Invasive Plant Species Eichhornia Crassipes	Scientific Reports	10	1			4.011	10.1038/s41598- 020-62900-4
315	Balaji K., Lavanya K., Mary A.G.	Machine learning algorithm for clustering of heart disease and chemoinformatics datasets	Computers and Chemical Engineering	143				4.000	10.1016/j.compche meng.2020.107068
316	Rajan A., Sharma M., Sahu N.K.	Assessing magnetic and inductive thermal properties of various surfactants functionalised Fe ₃ O ₄ nanoparticles for hyperthermia	Scientific Reports	10	1			3.998	10.1038/s41598- 020-71703-6
317	Kokarneswaran M., Selvaraj P., Ashokan T., Perumal S., Sellappan P., Murugan K.D., Ramalingam S., Mohan N., Chandrasekaran V.	Discovery of carbon nanotubes in sixth century BC potteries from Keeladi, India	Scientific Reports	10	1			3.998	10.1038/s41598- 020-76720-z
318	Ginoux J.-M., Muthuswamy B., Meucci R., Euzzor S., Di Garbo A., Ganesan K.	A physical memristor based Muthuswamy–Chua–Ginoux system	Scientific Reports	10	1			3.998	10.1038/s41598- 020-76108-z
319	Kalpana V.N., Alarjani K.M., Rajeswari V.D.	Enhancing malaria control using Lagenaria siceraria and its mediated zinc oxide nanoparticles against the vector Anopheles stephensi and its parasite Plasmodium falciparum	Scientific Reports	10	1			3.998	10.1038/s41598- 020-77854-w

320	Subbiahanadar Chelladurai K., Selvan Christyraj J.D., Azhagesan A., Paulraj V.D., Jothimani M., Yesudhasan B.V., Chellathurai Vasantha N., Ganesan M., Rajagopalan K., Venkatachalam S., Benedict J., John Samuel J.K., Selvan Christyraj J.R.S.	Exploring the effect of UV-C radiation on earthworm and understanding its genomic integrity in the context of H2AX expression	Scientific Reports	10	1			3.998	10.1038/s41598-020-77719-2
321	Rajan S A., Sahu N.K.	Inductive calorimetric assessment of iron oxide nano-octahedrons for magnetic fluid hyperthermia	Colloids and Surfaces A: Physicochemical and Engineering Aspects	603				3.990	10.1016/j.colsurfa.2020.125210
322	Chavhan S., Gupta D., Chandana B.N., Khanna A., Rodrigues J.J.P.C.	Agent Pseudonymous Authentication-Based Conditional Privacy Preservation: An Emergent Intelligence Technique	IEEE Systems Journal	14	4	5233	5244	3.987	10.1109/JSYST.2020.2994631
323	Jayaraj R., Shetty S., Kumaraswamy C., Raghul S., Gothandam K.M., Raymond G., Ravishankar R.M., Shaw P.	Clinical comments on prognostic and clinicopathological significance of PD-L1 overexpression in oral squamous cell carcinoma (OSCC)	Oral Oncology					3.979	10.1016/j.oraloncology.2020.104886
324	Jayaraj R., Shetty S.S., Kumaraswamy C., Gothandam K.M., Ram M.R., Shaw P.	Clinical interpretation of findings from a systematic review and a comprehensive meta-analysis on clinicopathological and prognostic characteristics of oral squamous cell carcinomas (OSCC) arising in patients with oral lichen planus (OLP)	Oral Oncology	108				3.979	10.1016/j.oraloncology.2020.104974
325	Moolya S., Satheesh A.	Role of magnetic field and cavity inclination on double diffusive mixed convection in rectangular enclosed domain	International Communications in Heat and Mass Transfer	118				3.971	10.1016/j.icheatmasstransfer.2020.104814

326	Merzouki T., Houari M.S.A., Haboussi M., Bessaim A., Ganapathi M.	Nonlocal strain gradient finite element analysis of nanobeams using two-variable trigonometric shear deformation theory	Engineering with Computers					3.938	10.1007/s00366-020-01156-y
327	Dennis Bilavendran J., Manikandan A., Thangarasu P., Sivakumar K.	Synthesis and discovery of pyrazolo-pyridine analogs as inflammation medications through pro- and anti-inflammatory cytokine and COX-2 inhibition assessments	Bioorganic Chemistry	94				3.926	10.1016/j.bioorg.2019.103484
328	Agarwal H., Shanmugam V.	A review on anti-inflammatory activity of green synthesized zinc oxide nanoparticle: Mechanism-based approach	Bioorganic Chemistry	94				3.926	10.1016/j.bioorg.2019.103423
329	Rao R.N., Chanda K.	An assessment study of known pyrazolopyrimidines: Chemical methodology and cellular activity	Bioorganic Chemistry	99				3.926	10.1016/j.bioorg.2020.103801
330	Jacob P J., Manju S.L.	Identification and development of thiazole leads as COX-2/5-LOX inhibitors through in-vitro and in-vivo biological evaluation for anti-inflammatory activity	Bioorganic Chemistry	100				3.926	10.1016/j.bioorg.2020.103882
331	Udhaya Kumar S., Thirumal Kumar D., Siva R., George Priya Doss C.	Kerala, India's Front Runner in Novel Coronavirus Disease (COVID-19)	Frontiers in Medicine	7				3.900	10.3389/fmed.2020.00355
332	Manohar P., Loh B., Nachimuthu R., Hua X., Welburn S.C., Leptihn S.	Secondary Bacterial Infections in Patients With Viral Pneumonia	Frontiers in Medicine	7				3.900	10.3389/fmed.2020.00420
333	Udhaya Kumar S., Thirumal Kumar D., Prabhu Christopher B., George Priya Doss C.	The rise and impact of COVID-19 in India	Frontiers in Medicine	7				3.900	10.3389/fmolb.2020.00250
334	Rajakumar V., Anbukumar K., Immanuel Selwynraj A.	Sliding mode controller-based voltage source inverter for power quality improvement in microgrid	IET Renewable Power Generation	14	11	1860	1872	3.894	10.1049/iet-rpg.2019.1305

335	Kumar A., Srinivasan K., Cheng W.-H., Zomaya A.Y.	Hybrid context enriched deep learning model for fine-grained sentiment analysis in textual and visual semiotic modality social data	Information Processing and Management	57	1			3.892	10.1016/j.ipm.2019.102141
336	Ravikumar K.V.G., Debayan G., Mrudula P., Chandrasekaran N., Mukherjee A.	In situ formation of bimetallic FeNi nanoparticles on sand through green technology: Application for tetracycline removal	Frontiers of Environmental Science and Engineering	14	1			3.883	10.1007/s11783-019-1195-3
337	Kuo Y.-C., Rajesh R., Yen M.-H., Paira P.	Inhibition of glioblastoma and macrophage phagocytosis using sialic acid-grafted tamoxifen-carmustine-polyethyleneimine-poly(lactic-co-glycolic acid) nanoparticles	Journal of the Taiwan Institute of Chemical Engineers					3.834	10.1016/j.jtice.2020.04.014
338	Nayak A.K., Han H.	Surface engineered NiO–Co ₃ O ₄ nanostructures as high-performance electrocatalysts for oxygen reduction reaction	Ceramics International					3.830	10.1016/j.ceramint.2020.07.002
339	Aramian A., Sadeghian Z., Razavi S.M.J., Prashanth K.G., Berto F.	Effect of selective laser melting process parameters on microstructural and mechanical properties of TiC–NiCr cermet	Ceramics International					3.830	10.1016/j.ceramint.2020.08.037
340	Manohar A., Geleta D.D., Krishnamoorthi C., Lee J.	Synthesis, characterization and magnetic hyperthermia properties of nearly monodisperse CoFe ₂ O ₄ nanoparticles	Ceramics International					3.830	10.1016/j.ceramint.2020.07.298
341	Navakoteswara Rao V., Ravi P., Sathish M., Cheralathan K.K., Neppolian B., Mamatha Kumari M., Shankar M.V.	Manifestation of enhanced and durable photocatalytic H ₂ production using hierarchically structured Pt@Co ₃ O ₄ /TiO ₂ ternary nanocomposite	Ceramics International					3.830	10.1016/j.ceramint.2020.07.122
342	Velappan S., Nivedhita P., Vimala R., Raja S.	Role of nano titania on the thermomechanical properties of silicon carbide refractories	Ceramics International					3.830	10.1016/j.ceramint.2020.07.077

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344	Theerthagiri J., Murthy A.P., Lee S.J., Karuppasamy K., Arumugam S.R., Yu Y., Hanafiah M.M., Kim H.-S., Mittal V., Choi M.Y.	Recent progress on synthetic strategies and applications of transition metal phosphides in energy storage and conversion	Ceramics International					3.830	10.1016/j.ceramint.2020.10.098
345	Selvamani P.S., Vijaya J.J., Kennedy L.J., Mustafa A., Bououdina M., Sophia P.J., Ramalingam R.J.	Synergic effect of Cu ₂ O/MoS ₂ /rGO for the sonophotocatalytic degradation of tetracycline and ciprofloxacin antibiotics	Ceramics International					3.830	10.1016/j.ceramint.2020.09.301
346	Manohar A., Chintagumpala K., Kim K.H.	Mixed Zn–Ni spinel ferrites: Structure, magnetic hyperthermia and photocatalytic properties	Ceramics International					3.830	10.1016/j.ceramint.2020.11.056
347	Ramesh Reddy N., Bharagav U., Kumari M.M., Cheralathan K.K., Ojha P.K., Shankar M.V., Joo S.W.	Inclusion of low cost activated carbon for improving hydrogen production performance of TiO ₂ nanoparticles under natural solar light irradiation	Ceramics International					3.830	10.1016/j.ceramint.2020.10.187
348	Pal K., Mukherjee A., Seikh M.M., Bera P., Gayen A.	Synthesis, structure, CO oxidation, and H ₂ production activities of CaCu _{3-x} MnxTi _{4-x} MnxO ₁₂ (x = 0, 0.5, and 1.0)	Ceramics International					3.830	10.1016/j.ceramint.2020.10.080

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350	Saravanan N., Gandhi M., Senthil Kumar A.	High-valent ruthenium(IV)-oxo complex stabilized mesoporous carbon (graphitized)/nafion modified electrocatalyst for methanol oxidation reaction in neutral pH	Journal of Electroanalytical Chemistry	874				3.807	10.1016/j.jelechem. 2020.114457
351	Swetha P., Chen J., Kumar A.S., Feng S.-P.	High index facets-Ag nanoflower enabled efficient electrochemical detection of lead in blood serum and cosmetics	Journal of Electroanalytical Chemistry	878				3.807	10.1016/j.jeleche m.2020.114657
352	Nisha S., Senthil Kumar A.	Highly redox-active organic molecular nanomaterials: Naphthalene and phenanthrene molecular species π -stacked MWCNT modified electrodes for oxygen-interference free H ₂ O ₂ sensing in neutral pH	Journal of Electroanalytical Chemistry	878				3.807	10.1016/j.jeleche m.2020.114680
353	Chattopadhyay D., Thirumurugan K.	Longevity-promoting efficacies of rutin in high fat diet fed Drosophila melanogaster	Biogerontology					3.805	10.1007/s10522- 020-09882-y
354	Chetan, Vijayalakshmi U.	A systematic review of the interaction and effects generated by antimicrobial metallic substituents in bone tissue engineering	Metallomics	12	10	1458	1479	3.796	10.1039/d0mt0012 7a

355	Thiagarajan V., Jenkins D., Chandrasekaran N., Mukherjee A.	Combined effects of nano-TiO ₂ and hexavalent chromium towards marine crustacean <i>Artemia salina</i>	Aquatic Toxicology	225				3.794	10.1016/j.aquatox.2020.105541
356	Devaraj S., Yarrakula K.	Assessment of topographical and atmospheric errors in Sentinel 1 derived DInSAR	Geocarto International					3.789	10.1080/10106049.2020.1822926
357	Budamala V., Mahindrakar A.B.	Flexible user interface for machine learning techniques to enhance the complex geospatial hydro-climatic models with future perspective	Geocarto International					3.789	10.1080/10106049.2020.1864027
358	Geetha Priya M., Venkatesh K., Shivanna L., Devaraj S.	Detecting short-term surface melt over Vestre Broggerbreen, Arctic glacier using indigenously developed unmanned air vehicles	Geocarto International					3.789	10.1080/10106049.2020.1849416
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360	Udhaya Kumar S., Thirumal Kumar D., Mandal P.D., Sankar S., Haldar R., Kamaraj B., Walter C.E.J., Siva R., George Priya Doss C., Zayed H.	Comprehensive in silico screening and molecular dynamics studies of missense mutations in Sjogren-Larsson syndrome associated with the ALDH3A2 gene	Advances in Protein Chemistry and Structural Biology	120		349	377	3.783	10.1016/bs.apcsb.2019.11.004
361	Dwivedy B., Behera S.K.	A Square-Shaped Microstrip Antenna with Frequency and Circular-Polarization Reconfigurability: An Approach [Antenna Applications Corner]	IEEE Antennas and Propagation Magazine	62	4	107	115	3.765	10.1109/MAP.2020.2998813

362	Kavitha K., Vijayakumar V., Udhayakumar R.	Results on controllability of Hilfer fractional neutral differential equations with infinite delay via measures of noncompactness	Chaos, Solitons and Fractals	139				3.764	10.1016/j.chaos.2020.110035
363	Mahajan A., Sivadas N.A., Solanki R.	An epidemic model SIPHERD and its application for prediction of the spread of COVID-19 infection in India	Chaos, Solitons and Fractals	140				3.764	10.1016/j.chaos.2020.110156
364	Raja M.M., Vijayakumar V., Udhayakumar R.	A new approach on approximate controllability of fractional evolution inclusions of order $1 < r < 2$ with infinite delay	Chaos, Solitons and Fractals	141				3.764	10.1016/j.chaos.2020.110343
365	Raja M.M., Vijayakumar V., Udhayakumar R., Zhou Y.	A new approach on the approximate controllability of fractional differential evolution equations of order $1 < r < 2$ in Hilbert spaces	Chaos, Solitons and Fractals	141				3.764	10.1016/j.chaos.2020.110310
366	Raja M.M., Vijayakumar V., Udhayakumar R.	Results on the existence and controllability of fractional integro-differential system of order $1 < r < 2$ via measure of noncompactness	Chaos, Solitons and Fractals	139				3.764	10.1016/j.chaos.2020.110299
367	Dineshkumar C., Udhayakumar R., Vijayakumar V., Nisar K.S.	A discussion on the approximate controllability of Hilfer fractional neutral stochastic integro-differential systems	Chaos, Solitons and Fractals					3.764	10.1016/j.chaos.2020.110472
368	Arunkumar T., Wang J., Dsilva Winfred Rufuss D., Denkenberger D., Kabeel A.E.	Sensible desalting: Investigation of sensible thermal storage materials in solar stills	Journal of Energy Storage	32				3.762	10.1016/j.est.2020.101824
369	Udhaya Kumar S., Rajan B., Thirumal Kumar D., Anu Preethi V., Abunada T., Younes S., Okashah S., Ethiraj S., George Priya Doss C., Zayed H.	Involvement of essential signaling cascades and analysis of gene networks in diabetes	Genes	11	11	1	19	3.759	10.3390/genes1111256

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371	Dommaraju V.S., Nathani K., Tariq U., Al-Turjman F., Kallam S., Reddy M P.K., Patan R.	ECMCRR-MPDNL for Cellular Network Traffic Prediction with Big Data	IEEE Access	8		113419	113428	3.745	10.1109/ACCESS.2020.3002380
372	De S., Swathika O.V.G., Tewari N., Venkatesan A.K., Subramaniam U., Bhaskar M.S., Padmanaban S., Leonowicz Z., Mitolo M.	Implementation of Designed PV Integrated Controlled Converter System	IEEE Access	8		100905	100915	3.745	10.1109/ACCESS.2020.2997405
373	Liu W., Lin Z., Zhu H., Wang J., Sangaiah A.K.	Attention-Based Adaptive Memory Network for Recommendation with Review and Rating	IEEE Access	8		113953	113966	3.745	10.1109/ACCESS.2020.2997115
374	Guruprakash J., Koppu S.	EC-EIGamal and Genetic Algorithm-Based Enhancement for Lightweight Scalable Blockchain in IoT Domain	IEEE Access	8		141269	141281	3.745	10.1109/ACCESS.2020.3013282
375	Rajadurai S., Alazab M., Kumar N., Gadekallu T.R.	Latency Evaluation of SDFGs on Heterogeneous Processors Using Timed Automata	IEEE Access	8		140171	140180	3.745	10.1109/ACCESS.2020.3013013
376	Suganeshwari G., Ibrahim S.P.S.	Rule-Based Effective Collaborative Recommendation Using Unfavorable Preference	IEEE Access	8		128116	128123	3.745	10.1109/ACCESS.2020.3008514
377	Chavhan S., Dubey N., Lal A., Khetan D., Gupta D., Khanna A., Rodrigues J.J.P.C., Pinheiro P.R.	Next-Generation Smart Electric Vehicles Cyber Physical System for Charging Slots Booking in Charging Stations	IEEE Access	8		160145	160157	3.745	10.1109/ACCESS.2020.3020115
378	Chavhan S., Gupta D., Garg S., Khanna A., Choi B.J., Shamim Hossain M.	Privacy and Security Management in Intelligent Transportation System	IEEE Access	8		148677	148688	3.745	10.1109/ACCESS.2020.3015096
379	Guha D., Roy P.K., Banerjee S., Padmanaban S., Blaabjerg F., Chittathuru D.	Small-Signal Stability Analysis of Hybrid Power System with Quasi-Optimpositional Sine Cosine Algorithm Optimized Fractional Order PID Controller	IEEE Access	8		155971	155986	3.745	10.1109/ACCESS.2020.3018620

380	Sreejeesh S.G., Sakthivel R., Kidav J.U.	Superior Implementation of Accelerated QR Decomposition for Ultrasound Imaging	IEEE Access	8		156244	156260	3.745	10.1109/ACCESS.2020.3017558
381	Chawda G.S., Shaik A.G., Shaik M., Padmanaban S., Holm-Nielsen J.B., Mahela O.P., Kaliannan P.	Comprehensive Review on Detection and Classification of Power Quality Disturbances in Utility Grid with Renewable Energy Penetration	IEEE Access	8		146807	146830	3.745	10.1109/ACCESS.2020.3014732
382	Deepa N., Khan M.Z., Prabadevi B., Vincent D.R.P.M., Maddikunta P.K.R., Gadekallu T.R.	Multiclass model for agriculture development using multivariate statistical method	IEEE Access	8		183749	183758	3.745	10.1109/ACCESS.2020.3028595
383	Roseline S.A., Geetha S., Kadry S., Nam Y.	Intelligent Vision-Based Malware Detection and Classification Using Deep Random Forest Paradigm	IEEE Access	8		206303	206324	3.745	10.1109/ACCESS.2020.3036491
384	Dhanamjayulu C., Kaliannan P., Padmanaban S., Maroti P.K., Holm-Nielsen J.B.	A New Three-Phase Multi-Level Asymmetrical Inverter with Optimum Hardware Components	IEEE Access	8		212515	212528	3.745	10.1109/ACCESS.2020.3039831
385	Indumathi J., Shankar A., Ghalib M.R., Gitanjali J., Hua Q., Wen Z., Qi X.	Block Chain Based Internet of Medical Things for Uninterrupted, Ubiquitous, User-Friendly, Unflappable, Unblemished, Unlimited Health Care Services (BC IoMT U6HCS)	IEEE Access	8		216856	216872	3.745	10.1109/ACCESS.2020.3040240
386	Gopalakrishnan T., Ruby D., Al-Turjman F., Gupta D., Pustokhina I.V., Pustokhin D.A., Shankar K.	Deep learning enabled data offloading with cyber attack detection model in mobile edge computing systems	IEEE Access	8		185938	185949	3.745	10.1109/ACCESS.2020.3030726
387	Srinivasan V., Fernando M., Kumara S., Selvaraj T., Cooray V.	Modeling and Assessment of Lightning Hazards to Humans in Heritage Monuments in India and Sri Lanka	IEEE Access	8		228032	228048	3.745	10.1109/ACCESS.2020.3046100

388	Gupta S., Sharma V.K.	Design and analysis of metal hydride reactor embedded with internal copper fins and external water cooling	International Journal of Energy Research					3.741	10.1002/er.5859
389	Syed S.N., Sharma V.K.	Performance comparison between H ₂ -metal hydrides and CO ₂ -adsorbents-based sorption refrigeration systems	International Journal of Energy Research					3.741	10.1002/er.6370
390	Gupta S., Sharma V.K.	Characterisation of La _{0.9} Ce _{0.1} Ni ₅ alloy for the development of single-stage thermally driven sorption hydrogen compressor	International Journal of Energy Research					3.741	10.1002/er.6195
391	Shrikhande S., Babu G.U.B., Ahmad Z., Patle D.S.	Intensification and analysis of ethyl levulinate production process having a reactive distillation through vapor recompression and bottom flash techniques	Chemical Engineering and Processing - Process Intensification	156				3.731	10.1016/j.cep.2020.108081
392	Jayaraj R., Kumarasamy C., Sabarimurugan S., Madhav M.R., Shetty S.S., Baxi S.	Conceptual interpretation of findings on systematic review and meta-analysis of altered-fractionation radiotherapy improves local control in the early-stage glottic carcinoma	Oral Oncology	101				3.730	10.1016/j.oraloncology.2019.05.030
393	Ezhilarasi A.A., Vijaya J.J., Kaviyarasu K., Zhang X., Kennedy L.J.	Green synthesis of nickel oxide nanoparticles using Solanum trilobatum extract for cytotoxicity, antibacterial and photocatalytic studies	Surfaces and Interfaces	20				3.724	10.1016/j.surfin.2020.100553
394	Sharan R., Roy M., Dutta A.	Sensing Behaviour Investigation of Amperometric Electrochemical NH ₃ Sensor: Optimization of Lanthanum Gallate Based Electrolyte Composition	Journal of the Electrochemical Society	167	11			3.721	10.1149/1945-7111/aba641

395	Shetgaonkar S.E., Singh F.V.	Hypervalent Iodine Reagents in Palladium-Catalyzed Oxidative Cross-Coupling Reactions	Frontiers in Chemistry	8				3.693	10.3389/fchem.2020.00705
396	Nisha S., Lakshminarayanan V., Senthil Kumar A.	Electrochemical Reaction Assisted 2D π -Stacking of Benzene on a MWCNT Surface and its Unique Redox and Electrocatalytic Properties	Langmuir					3.683	10.1021/acs.langmuir.9b01970
397	Thakare J.G., Mulik R.S., Mahapatra M.M.	Estimation of residual stress in air plasma sprayed MWCNT-reinforced 8YSZ-alumina composite coating	Archives of Civil and Mechanical Engineering	20	4			3.672	10.1007/s43452-020-00108-z
398	Emami S., Sadeghi-Kanani S., Saeid T., Khan F.	Dissimilar friction stir welding of AISI 430 ferritic and AISI 304L austenitic stainless steels	Archives of Civil and Mechanical Engineering	20	4			3.672	10.1007/s43452-020-00138-7
399	Raghuwanshi S.K., Kumar M., Jindal S.K., Kumar A., Prakash O.	High-Sensitivity Detection of Hazardous Chemical by Special Featured Grating-Assisted Surface Plasmon Resonance Sensor Based on Bimetallic Layer	IEEE Transactions on Instrumentation and Measurement	69	7	5072	5080	3.658	10.1109/TIM.2019.2952705
400	Mishra A.K., Ghosh A.R.	Probiotic Enterococcus faecalis AG5 mitigated high fat diet induced obesity and produced propionic acid stimulated apoptosis in 3T3-L1 pre-adipocyte	Life Sciences	261				3.647	10.1016/j.lfs.2020.118292
401	Renu K., Saravanan A., Elangovan A., Ramesh S., Annamalai S., Namachivayam A., Abel P., Madhyastha H., Madhyastha R., Maruyama M., Balachandar V., Valsala Gopalakrishnan A.	An appraisal on molecular and biochemical signalling cascades during arsenic-induced hepatotoxicity	Life Sciences	260				3.647	10.1016/j.lfs.2020.118438

402	George S., Santra A.K.	Fuzzy Inspired Deep Belief Network for the Traffic Flow Prediction in Intelligent Transportation System Using Flow Strength Indicators	Big data	8	4	291	307	3.644	10.1089/big.2019.0007
403	Ranjan S., Dasgupta N., Mishra D., Ramalingam C.	Involvement of Bcl-2 Activation and G1 Cell Cycle Arrest in Colon Cancer Cells Induced by Titanium Dioxide Nanoparticles Synthesized by Microwave-Assisted Hybrid Approach	Frontiers in Bioengineering and Biotechnology	8				3.644	10.3389/fbioe.2020.00606
404	Kumar N., Sridharan D., Palaniappan A., Dougherty J.A., Czirok A., Isai D.G., Mergaye M., Angelos M.G., Powell H.M., Khan M.	Scalable Biomimetic Coaxial Aligned Nanofiber Cardiac Patch: A Potential Model for "Clinical Trials in a Dish"	Frontiers in Bioengineering and Biotechnology	8				3.644	10.3389/fbioe.2020.567842
405	Madhesan T., Mohan A.M.	Porous silica and polymer monolith architectures as solid-state optical chemosensors for Hg ²⁺ ions	Analytical and Bioanalytical Chemistry					3.637	10.1007/s00216-020-02870-8
406	Karthik R., Menaka R., Johnson A., Anand S.	Neuroimaging and deep learning for brain stroke detection - A review of recent advancements and future prospects	Computer Methods and Programs in Biomedicine	197				3.632	10.1016/j.cmpb.2020.105728
407	Karthik R., Menaka R., Hariharan M., Won D.	Ischemic Lesion Segmentation using Ensemble of Multi-Scale Region Aligned CNN	Computer Methods and Programs in Biomedicine					3.632	10.1016/j.cmpb.2020.105831
408	Jayaraj P., Narasimhulu C.A., Maiseyeu A., Durairaj R., Rao S., Rajagopalan S., Parthasarathy S., Desikan R.	Methoxyphenol derivatives as reversible inhibitors of myeloperoxidase as potential antiatherosclerotic agents	Future Medicinal Chemistry	12	2	95	110	3.617	10.4155/fmc-2019-0080

409	Arun Kumar K., Mallikarjuna Reddy D.	Different interface delamination effects on laminated composite plate structure under free vibration analysis based on classical laminated plate theory	Smart Materials and Structures	29	11			3.613	10.1088/1361-665X/abaec7
410	Sarojini R.K., Palanisamy K., Sanjeevikumar P., Nielsen J.B.-H.	Inertia emulation control technique based frequency control of grid-connected single-phase rooftop photovoltaic system with battery and supercapacitor	IET Renewable Power Generation	14	7	1156	1163	3.605	10.1049/iet-rpg.2019.0873
411	Ganesan A.	Performance guarantees of distributed algorithms for qos in wireless ad hoc networks	IEEE/ACM Transactions on Networking	28	1	182	195	3.597	10.1109/TNET.2019.2959797
412	Uma Maheswari G., Shankar Ganesh N., Srinivas T., Reddy B.V.	Thermoeconomic investigation on advanced Kalina power generation system	Energy Reports	6		2697	2712	3.595	10.1016/j.egy.2020.09.033
413	Vishnu N., Sharma C.S., Senthil Kumar A.	A low-cost and miniaturized electrochemical cell for low-sample analyses	Microchemical Journal	159				3.594	10.1016/j.microc.2020.105591
414	Samparita S., Ganesan R., Rasool M.	Cyanidin prevents the hyperproliferative potential of fibroblast-like synoviocytes and disease progression via targeting IL-17A cytokine signalling in rheumatoid arthritis	Toxicology and Applied Pharmacology	391				3.585	10.1016/j.taap.2020.114917
415	Krishnan R.S., Julie E.G., Robinson Y.H., Kumar R., Thong P.H., Son L.H.	Enhanced certificate revocation scheme with justification facility in mobile ad-hoc networks	Computers and Security	97				3.579	10.1016/j.cose.2020.101962
416	Sangaiah A.K., Arumugam M., Bian G.-B.	An intelligent learning approach for improving ECG signal classification and arrhythmia analysis	Artificial Intelligence in Medicine	103				3.574	10.1016/j.artmed.2019.101788
417	Li Q., Feng Z., Rangaiah G.P., Dong L.	Process Optimization of Heat-Integrated Extractive Dividing-Wall Columns for Energy-Saving Separation of CO ₂ and Hydrocarbons	Industrial and Engineering Chemistry Research	59	23	11000	11011	3.573	10.1021/acs.iecr.0c00666

418	Wang Z., Parhi S.S., Rangaiah G.P., Jana A.K.	Analysis of weighting and selection methods for pareto-optimal solutions of multiobjective optimization in chemical engineering applications	Industrial and Engineering Chemistry Research	59	33	14850	14867	3.573	10.1021/acs.iecr.0c00969
419	Guha T., Gopal G., Kundu R., Mukherjee A.	Nanocomposites for Delivering Agrochemicals: A Comprehensive Review	Journal of agricultural and food chemistry	68	12	3691	3702	3.571	10.1021/acs.jafc.9b06982
420	Jagannath G., Eraiah B., Jayanthi K., Keshri S.R., Som S., Vinitha G., Pramod A.G., Krishnakanth K.N., Devarajulu G., Balaji S., Venugopal Rao S., Annapurna K., Das S., Allu A.R.	Influence of gold nanoparticles on the nonlinear optical and photoluminescence properties of Eu2O3 doped alkali borate glasses	Physical Chemistry Chemical Physics	22	4	2019	2032	3.567	10.1039/c9cp05783h
421	Thirumoorthy K., Cooksy A.L., Thimmakonda V.S.	Si2C5H2 isomers-search algorithms: Versus chemical intuition	Physical Chemistry Chemical Physics	22	10	5865	5872	3.567	10.1039/c9cp06145b
422	Nikam P.P., Arun D., Ramkumar K.D., Sivashanmugam N.	Microstructure characterization and tensile properties of CMT-based wire plus arc additive manufactured ER2594	Materials Characterization	169				3.562	10.1016/j.matchar.2020.110671
423	Mishra K., Panda S.K., Kumar V., Dewangan H.C.	Analytical evaluation and experimental validation of energy harvesting using low-frequency band of piezoelectric bimorph actuator	Smart Structures and Systems	26	3	391	401	3.557	10.12989/sss.2020.26.3.391
424	Swati G., Bidwai D., Haranath D.	Red emitting CaTiO3: Pr3+nanophosphors for rapid identification of high contrast latent fingerprints	Nanotechnology	31	36			3.551	10.1088/1361-6528/ab93ee

425	Irfan H., Ezhil Vizhi R.	Enhancement of the maximum energy product in Ba _{0.5} Sr _{0.5} Fe ₁₂ O ₁₉ /Y ₃ Fe ₅ O ₁₂ nanocomposites synthesized by the co-precipitation method	Nanotechnology	31	40			3.551	10.1088/1361-6528/ab9260
426	Sompalli N.K., Deivasigamani P.	Structurally designed porous polymer monoliths as probe-anchoring templates as benign and fast responsive solid-state optical sensors for the sensing and recovery of copper ions	Nanotechnology	31	41			3.551	10.1088/1361-6528/ab9e2a
427	Umamaheswari J., Kavitha M.S., Shanthakumar S.	Outdoor cultivation of Chlorella pyrenoidosa in paddy-soaked wastewater and a feasibility study on biodiesel production from wet algal biomass through in-situ transesterification	Biomass and Bioenergy	143				3.551	10.1016/j.biombioe.2020.105853
428	Li Z., Janardhanan M.N., Ponnambalam S.G.	Cost-oriented robotic assembly line balancing problem with setup times: multi-objective algorithms	Journal of Intelligent Manufacturing					3.535	10.1007/s10845-020-01598-7
429	Manojkumar N., Monishraj M., Srimuruganandam B.	Commuter exposure concentrations and inhalation doses in traffic and residential routes of Vellore city, India	Atmospheric Pollution Research					3.527	10.1016/j.apr.2020.09.002
430	Nayak A.K., Enhtuwshin E., Kim S.J., Han H.S.	Facile synthesis of n-doped ws ₂ nanosheets as an efficient and stable electrocatalyst for hydrogen evolution reaction in acidic media	Catalysts	10	11	1	9	3.520	10.3390/catal10111238
431	Ghosh A., Wang G.-N., Lee J.	A novel automata and neural network based fault diagnosis system for PLC controlled manufacturing systems	Computers and Industrial Engineering	139				3.518	10.1016/j.cie.2019.106188
432	Kannan K.G., Kamatchi R.	Augmented heat transfer by hybrid thermosyphon assisted thermal energy storage system for electronic cooling	Journal of Energy Storage	27				3.517	10.1016/j.est.2019.101146

433	Solanke T.U., Ramachandaramurthy V.K., Yong J.Y., Pasupuleti J., Kasinathan P., Rajagopalan A.	A review of strategic charging–discharging control of grid- connected electric vehicles	Journal of Energy Storage	28				3.517	10.1016/j.est.2020. 101193
434	Saranya S., Saravanan B.	Effect of emission in SMES based unit commitment using modified Henry gas solubility optimization	Journal of Energy Storage	29				3.517	10.1016/j.est.202 0.101380
435	Manickam G., Gupta P., De S., Rajamohan V., Polit O.	Nonlinear flexural free vibrations of size-dependent graphene platelets reinforced curved nano/micro beams by finite element approach coupled with trigonometric shear flexible theory	Mechanics of Advanced Materials and Structures					3.517	10.1080/1537649 4.2020.1866723
436	Pawar S., Patel D.K., Bisoi M., Roy S.	A comparative turbulent flow study of unconfined orthogonal and oblique slot impinging jet using large-eddy simulation	Physics of Fluids	32	9			3.514	10.1063/5.0021426
437	Dubey V., Mishra A.K., Ghosh A.R.	Cell adherence efficacy of probiotic Pediococcus pentosaceus GS4 (MTCC 12683) and demonstrable role of its surface layer protein (Slp)	Journal of Proteomics	226				3.509	10.1016/j.jprot.2020 .103894
438	Shukla V.K., Dhara S., Mishra N.L.	Total reflection X-ray fluorescence spectrometric determination of ultra- trace uranium in natural water samples using a dispersive liquid-liquid micro-extraction method	Journal of Analytical Atomic Spectrometry	35	8	1632	1640	3.498	10.1039/d0ja00039 f
439	B.D. D., Al-Turjman F.	A hybrid secure routing and monitoring mechanism in IoT-based wireless sensor networks	Ad Hoc Networks	97				3.490	10.1016/j.adhoc.20 19.102022

440	Antony Savarimuthu S., Leo Prakash D.G., Augustine Thomas S., Gandhi T., Bera M.K.	Highly Z-selective synthesis of 1,3-oxathiol-2-ylidenes and 4-methylene-oxazolidine-2-thiones via atom-specific 5-exo-dig cyclization of propargyl alcohol with isothiocyanate	Organic and Biomolecular Chemistry	18	18	3552	3562	3.490	10.1039/d0ob00083c
441	Sreedharan R., Rajeshwaran P., Panyam P.K.R., Yadav S., Nagaraja C.M., Gandhi T.	Acylation of oxindoles using methyl/phenyl esters via the mixed Claisen condensation - an access to 3-alkylideneoxindoles	Organic and Biomolecular Chemistry	18	20	3843	3847	3.490	10.1039/d0ob00789g
442	Liu S., Zhang H., Hu Q., Shen Z., Rana D., Ramalingam M.	Designing vascular supportive albumen-rich composite bioink for organ 3D printing	Journal of the Mechanical Behavior of Biomedical Materials	104				3.485	10.1016/j.jmbbm.2020.103642
443	Purushothaman Y., Yoganandan N., Jebaseelan D., Choi H., Baisden J.	External and internal responses of cervical disc arthroplasty and anterior cervical discectomy and fusion: A finite element modeling study	Journal of the Mechanical Behavior of Biomedical Materials	106				3.485	10.1016/j.jmbbm.2020.103735
444	Maity T., Balci Ö., Gammer C., Ivanov E., Eckert J., Prashanth K.G.	High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications	Journal of the Mechanical Behavior of Biomedical Materials	108				3.485	10.1016/j.jmbbm.2020.103839
445	Dorofeyeva N., Drachuk K., Rajkumar R., Sabnis O., Sagach V.	H ₂ S donor improves heart function and vascular relaxation in diabetes	European Journal of Clinical Investigation					3.481	10.1111/eci.13354
446	Melesse A.G., Velmurugan N., Shanmugham Venkatachalam S., Pothanamkandathil Chacko S., Demissie B.A.	Startup of granulation of sludge in sequencing batch airlift reactor for simultaneous removal of nitrogen and organic carbon from tannery wastewater	Journal of Water Process Engineering	38				3.465	10.1016/j.jwpe.2020.101605

447	Swathi D., P.C. S., Trivedi A.	Simultaneous decolorization and mineralization of high concentrations of methyl orange in an anoxic up-flow packed bed reactor in denitrifying conditions	Journal of Water Process Engineering					3.465	10.1016/j.jwpe.2020.101813
448	K. D.R., Pranav N.P., Sai B., D. A., Christin S.V.	Microstructure and mechanical integrity relationship of PDC weld joints involving dissimilar marine grade alloys	Journal of Manufacturing Processes	50		111	122	3.462	10.1016/j.jmapro.2019.12.037
449	Sujai S., Devendranath Ramkumar K.	Direct ageing response on the microstructure and mechanical properties of electron beam welds of Ni-Cr-Fe alloy used in vacuum insulated tubing	Journal of Manufacturing Processes	54		359	373	3.462	10.1016/j.jmapro.2020.03.027
450	Natesh M., Manikandan M.	Hot fissuring mitigation in arc welding of Nickelvac 23 superalloy	Journal of Manufacturing Processes	56		228	237	3.462	10.1016/j.jmapro.2020.04.001
451	Dinakaran R., Karthikeyan S.	Studies on intercalation of graphene and MWCNT as reinforcement particles in Al/Al ₂ O ₃ -based primary cells	Ceramics International					3.450	10.1016/j.ceramint.2020.02.012
452	George S.E., George M., Alex J., Joy L.K., Aravind A., Sajan D., Thakur A., Hussain S., Vinitha G.	Nonlinear optical and photocatalytic dye degradation of Co doped CeO ₂ nanostructures synthesized through a modified combustion technique	Ceramics International					3.450	10.1016/j.ceramint.2020.02.189
453	Solomon I., Shukla K., Bhatnagar M., Rane R., Ranjan M., Gourbilleau F., Sarma A.	Effect of nitrogen concentrations on optical, structural and mechanical properties of self organized a-C:N films	Ceramics International					3.450	10.1016/j.ceramint.2020.02.163
454	Raja Annamalai A., Ravi Teja P., Agrawal D.K., Muthuchamy A.	Microwave heating synthesis and thermoelectric property characterization of highly dense Ca ₃ Co ₄ O ₉ bulk	Ceramics International					3.450	10.1016/j.ceramint.2020.04.105

455	Singh P., Venkatesan A., Padmanabhan P., Gulyas B., Dass J F.P.	Codon usage of human hepatitis C virus clearance genes in relation to its expression	Journal of Cellular Biochemistry	121	1	534	544	3.448	10.1002/jcb.29290
456	Unni P.A., Lulu S.S., Pillai G.G.	Computational strategies towards developing novel antimelanogenic agents	Life Sciences	250				3.448	10.1016/j.lfs.2020.117602
457	Renu K., Prasanna P.L., Valsala Gopalakrishnan A.	Coronaviruses pathogenesis, comorbidities and multi-organ damage – A review	Life Sciences	255				3.448	10.1016/j.lfs.2020.117839
458	Prasanna P.L., Renu K., Valsala Gopalakrishnan A.	New molecular and biochemical insights of doxorubicin-induced hepatotoxicity	Life sciences	250		117599		3.448	10.1016/j.lfs.2020.117599
459	Panchal N.K., Sabina E.P.	A serine/threonine protein PIM kinase as a biomarker of cancer and a target for anti-tumor therapy	Life Sciences	255				3.448	10.1016/j.lfs.2020.117866
460	Fadlalla M.I., Kumar P.S., Selvam V., Babu S.G.	Emerging energy and environmental application of graphene and their composites: a review	Journal of Materials Science	55	17	7156	7183	3.442	10.1007/s10853-020-04474-0
461	Sreejith S., Khanna Nehemiah H., Kannan A.	Clinical data classification using an enhanced SMOTE and chaotic evolutionary feature selection	Computers in Biology and Medicine	126				3.434	10.1016/j.compbiomed.2020.103991
462	Banerjee S., Kalyani Yabalooru S.R., Karunagaran D.	Identification of mRNA and non-coding RNA hubs using network analysis in organ tropism regulated triple negative breast cancer metastasis	Computers in Biology and Medicine	127				3.434	10.1016/j.compbiomed.2020.104076
463	Arumugam S., Kandasamy J., Md Shah A.U., Sultan M.T.H., Safri S.N.A., Majid M.S.A., Basri A.A., Mustapha F.	Investigations on the Mechanical properties of glass fiber/sisal fiber/chitosan reinforced hybrid polymer sandwich composite scaffolds for bone fracture fixation applications	Polymers	12	7	1	19	3.426	10.3390/polym12071501
464	Palanisamy C.P., Cui B., Zhang H., Jayaraman S., Muthukaliannan G.K.	A comprehensive review on corn starch-based nanomaterials: Properties, simulations, and applications	Polymers	12	9			3.426	10.3390/POLYM12092161

465	Hanan F., Jawaid M., Paridah M.T., Naveen J.	Characterization of hybrid oil palm empty fruit bunch/woven kenaf fabric-reinforced epoxy composites	Polymers	12	9			3.426	10.3390/POLYM12092052
466	Jothi Prabha A., Bhargavi R.	Predictive Model for Dyslexia from Fixations and Saccadic Eye Movement Events	Computer Methods and Programs in Biomedicine	195				3.424	10.1016/j.cmpb.2020.105538
467	Bharagav U., Reddy N.R., Koteswararao V.N., Ravi P., K. P., Sathish M., Cheralathan K.K., Shankar M.V., Kumari M.M.	Heterojunction of CdS Nanocapsules-WO ₃ Nanosheets Composite as a Stable and Efficient Photocatalyst for Hydrogen Evolution	Energy and Fuels	34	11	14598	14610	3.421	10.1021/acs.energyfuels.0c00597
468	R S., Gurunathan J.	Metabolites from the citrus extracts inhibit the activity of selected proteins in Indian Cobra (Naja naja) venom	Journal of Ethnopharmacology	252				3.414	10.1016/j.jep.2020.112575
469	Nag R., Paul R.R., Pal M., Chatterjee J., Das R.K.	Epithelial distribution of e-cadherin, p63, and mitotic figures in apotome images to determine the oncogenic potentiality of oral submucous fibrosis	Microscopy and Microanalysis					3.414	10.1017/S1431927620024538
470	Balachandran S., Jeeva Jothi K., Selvakumar K., Bhat D.K., Sathiyarayanan K., Swaminathan M.	Solar active ZnO-Eu ₂ O ₃ for energy and environmental applications	Materials Chemistry and Physics	256				3.408	10.1016/j.matchemphys.2020.123624
471	Chakraborty R., Maji P.K., Verma C., Kumar Nayak A., Shankar Singha S., Pradhan M.	Inherent Oxygen- and Nitrogen-Doped Porous Carbon Derived from Biomass of Tamarind Leaf for High-Performance Supercapacitor Application	Energy Technology					3.404	10.1002/ente.202000734

472	Kunjiappan S., Govindaraj S., Parasuraman P., Sankaranarayanan M., Arunachalam S., Palanisamy P., Mohan U.P., Babkiewicz E., Maszczyk P., Vellaisamy S., Panneerselvam T.	Design, in silico modelling and functionality theory of folate- receptor-targeted myricetin-loaded bovine serum albumin nanoparticle formulation for cancer treatment	Nanotechnology	31	15			3.399	10.1088/1361- 6528/ab5c56
473	Sompalli N.K., Deivasigamani P.	Structurally Designed Porous Polymer Monoliths as Probe Anchoring Templates as Benign and Fast Responsive Solid-State Optical Sensors for the Sensing and Recovery of Copper Ions	Nanotechnology					3.399	10.1088/1361- 6528/ab9e2a
474	Saikia A.A., Rao R.N., Maiti B., Balamurali M.M., Chanda K.	Diversity-Oriented Synthesis of Thiazolidine-2-imines via Microwave- Assisted One-Pot, Telescopic Approach and Its Interaction with Biomacromolecules	ACS combinatorial science	22	11	630	640	3.381	10.1021/acscombs ci.0c00083
475	Arokiaraj S.R., Tajuddin N.B., Muthusamy K., Jayaraj J.M., Alagumuthu M.	TRAF2 and NCK-Interacting Kinase Inhibitors for Colorectal Cancer: In Vitro and Theoretical Validations	ACS combinatorial science	22	11	608	616	3.381	10.1021/acscombs ci.0c00027
476	Parhi S.S., Pramanik A., Rangaiah G.P., Jana A.K.	Evolutionary Algorithm Based Multiobjective Optimization of Vapor Recompressed Batch Extractive Distillation: Assessing Economic Potential and Environmental Impact	Industrial and Engineering Chemistry Research	59	11	5032	5046	3.375	10.1021/acs.iecr. 9b06233

477	Panigrahi T., D'Souza S., Shetty R., Padmanabhan Nair A., Ghosh A., Jacob Remington Nelson E., Ghosh A., Sethu S.	Genistein-Calcitriol Mitigates Hyperosmotic Stress-Induced TonEBP, CFTR Dysfunction, VDR Degradation and Inflammation in Dry Eye Disease	Clinical and Translational Science					3.373	10.1111/cts.12858
478	Balaji S., Anitha M., Rekha D., Arivudainambi D.	Energy efficient target coverage for a wireless sensor network	Measurement: Journal of the International Measurement Confederation	165				3.364	10.1016/j.measurement.2020.108167
479	Joemax Agu M., Gopikumar S., Vimal S., Harold Robinson Y.	Failure assessment of pressure vessels made of plain carbon steel by using modified inherent flaw model in DL based industry optimization intelligent processing	Measurement: Journal of the International Measurement Confederation	165				3.364	10.1016/j.measurement.2020.108112
480	Kumbhar S.G., Sudhagar P E.	An integrated approach of Adaptive Neuro-Fuzzy Inference System and dimension theory for diagnosis of rolling element bearing	Measurement: Journal of the International Measurement Confederation	166				3.364	10.1016/j.measurement.2020.108266
481	Abhishek Dhananjay Patange, Jegadeeshwaran R.	A machine learning approach for vibration-based multipoint tool insert health prediction on vertical machining centre (VMC)	Measurement: Journal of the International Measurement Confederation					3.364	10.1016/j.measurement.2020.108649
482	Mathan Kumar M., Tamizhselvi R.	Protective effect of diallyl disulfide against cerulein-induced acute pancreatitis and associated lung injury in mice	International Immunopharmacology	80				3.361	10.1016/j.intimp.2019.106136
483	Dinesh P., Kalaiselvan S., Sujitha S., Rasool M.	MiR-145-5p mitigates dysregulated Wnt1/ β -catenin signaling pathway in rheumatoid arthritis	International Immunopharmacology	82				3.361	10.1016/j.intimp.2020.106328
484	Nidhya R., Kumar M., V. Ravi R., Deepak V.	Enhanced Route Selection (ERS) algorithm for IoT enabled smart waste management system	Environmental Technology and Innovation	20				3.356	10.1016/j.eti.2020.101116

485	Rambabu K., Edathil A.A., Nirmala G.S., Hasan S.W., Yousef A.F., Show P.L., Banat F.	Date-fruit syrup waste extract as a natural additive for soap production with enhanced antioxidant and antibacterial activity	Environmental Technology and Innovation	20				3.356	10.1016/j.eti.2020.101153
486	Viswanathan G., Raja P.B., Thirumoorthy K., Deepa R., Siva Ilango S.	Pathways of factors exacerbating dental fluorosis risk at high altitude regions — A review	Environmental Technology and Innovation	20				3.356	10.1016/j.eti.2020.101115
487	Venkatesan K., Devendiran S., Nishanth Purusotham K., Praveen V.S.	Study of machinability performance of Hastelloy-X for nanofluids, dry with coated tools	Materials and Manufacturing Processes					3.350	10.1080/10426914.2020.1729990
488	Garg A., Singh S., Li W., Gao L., Cui X., Wang C.-T., Peng X., Rajasekar N.	Illustration of experimental, machine learning, and characterization methods for study of performance of Li-ion batteries	International Journal of Energy Research					3.343	10.1002/er.5159
489	Alam P., Satya Singh K., Anjum Badruddin I., Yunus Khan T.M., Kamangar S.	Attenuation and dispersion phenomena of torsional waves in self-weighted, inhomogeneous, pre-stressed poro-elastic and poro-viscoelastic stratified structure	Waves in Random and Complex Media					3.330	10.1080/17455030.2020.1859641
490	Liu X., Ma P., Jia Y.D., Wei Z.J., Suo C.J., Ji P.C., Shi X.R., Yu Z.S., Prashanth K.G.	Solidification of Al-xCu alloy under high pressures	Journal of Materials Research and Technology					3.327	10.1016/j.jmrt.2020.01.049
491	Chakravarthi K.K., Shyamala L., Vaidehi V.	Cost-effective workflow scheduling approach on cloud under deadline constraint using firefly algorithm	Applied Intelligence					3.325	10.1007/s10489-020-01875-1
492	Meghwani S.S., Thakur M.	Adaptively weighted decomposition based multi-objective evolutionary algorithm	Applied Intelligence					3.325	10.1007/s10489-020-01969-w

493	John J.S., Saravana Kumar M., Joy L.K., Sajan D., Vinitha G., Vijayan N., John N.L.	Crystal growth, dielectric studies, charge transfer and ionic hydrogen-bonding interactions of L-arginine hydrobromide monohydrate single crystal: A novel third order nonlinear optical material for optoelectronic applications	Optics and Laser Technology	125				3.319	10.1016/j.optlastec.2019.106043
494	Karthick S., Thirupugalmani K., Krishnakumar M., Kannan V., Vinitha G., Brahadeeswaran S.	Synthesis, structural, dielectric, laser damage threshold, third order nonlinear optical and quantum chemical investigations on a novel organic crystalline material: Pyrrolidin-1-ium 2-chloro-4-nitrobenzoate 2-chloro-4-nitrobenzoic acid for optoelectronic applications	Optics and Laser Technology	122				3.319	10.1016/j.optlastec.2019.105849
495	Nagpal U., Kamalesh D., Raghuraman P., Ramireddy S., Sudandiradoss C.	Delineating the folding perturbations and molecular mechanisms of Thr-Ala 642 mutation in Rab-GTPase activating protein Akt substrate of 160kDa and its impact on the aetiology of diabetes	Journal of Biomolecular Structure and Dynamics					3.310	10.1080/07391102.2020.1726814
496	Thirumal Kumar D., Jain N., Udhaya Kumar S., George Priya Doss C., Zayed H.	Identification of potential inhibitors against pathogenic missense mutations of PMM2 using a structure-based virtual screening approach	Journal of Biomolecular Structure and Dynamics					3.310	10.1080/07391102.2019.1708797

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498	Lakshmanan A., Surendran P., Sakthy Priya S., Balakrishnan K., Geetha P., Rameshkumar P., Hegde T.A., Vinitha G., Kannan K.	Investigations on structural, optical, dielectric, electronic polarizability, Z-scan and antibacterial properties of Ni/Zn/Fe ₂ O ₄ nanoparticles fabricated by microwave-assisted combustion method	Journal of Photochemistry and Photobiology A: Chemistry	402				3.306	10.1016/j.jphotochem.2020.112794
499	Joshi J.H., Kalainathan S., Kanchan D.K., Joshi M.J., Parikh K.D.	Effect of L-threonine on growth and properties of ammonium dihydrogen phosphate crystal	Arabian Journal of Chemistry	13	1	1532	1550	3.298	10.1016/j.arabjc.2017.12.005
500	Joshi J.H., Kalainathan S., Joshi M.J., Parikh K.D.	Crystal growth, spectroscopic, second and third order nonlinear optical spectroscopic studies of L-phenylalanine doped ammonium dihydrogen phosphate single crystals	Arabian Journal of Chemistry					3.298	10.1016/j.arabjc.2020.01.024
501	Kirthica S., Saravanan I., Sridhar R.	Enhancing the Cloud Inter-operation Toolkit (CIT) to Support Multiple Cloud Service Models	Journal of Grid Computing					3.288	10.1007/s10723-020-09516-0
502	Shyamsivappan S., Saravanan A., Vivek R., Suresh T., Shankar R., Gothandam K.M., Mohan P.S.	Novel phenyl and thiophene dispiro indenoquinoxaline pyrrolidine quinolones induced apoptosis via G1/S and G2/M phase cell cycle arrest in MCF-7 cells	New Journal of Chemistry	44	35	15031	15045	3.288	10.1039/d0nj02588g

503	Suba V., Saravanabhavan M., Krishna L.S., Kaleemulla S., Ranjith Kumar E., Rathika G.	Evaluation of curcumin assistance in the antimicrobial and photocatalytic activity of a carbon based TiO ₂ nanocomposite	New Journal of Chemistry	44	37	15895	15907	3.288	10.1039/d0nj02346a
504	Bharathi M. V., Roy N., Moharana P., Ghosh K., Paira P.	Green synthesis of highly luminescent biotin-conjugated CdSe quantum dots for bioimaging applications	New Journal of Chemistry	44	39	16891	16899	3.288	10.1039/d0nj03075a
505	Bhansali K., Raut S., Barange S., Bhagat P.	Sulphonic acid functionalized porphyrin anchored with a: Meso - substituted triazolium ionic liquid moiety: A heterogeneous photo-catalyst for metal/base free C-C cross-coupling and C-N/C-H activation using aryl chloride under visible light irradiation	New Journal of Chemistry	44	45	19690	19712	3.288	10.1039/d0nj03637d
506	Chowdhary C.L., Mittal M., Kumaresan P., Pattanaik P.A., Marszalek Z.	An efficient segmentation and classification system in medical images using intuitionist possibilistic fuzzy C-mean clustering and fuzzy SVM algorithm	Sensors (Switzerland)	20	14	1	20	3.275	10.3390/s20143903
507	Krishnasamy L., Dhanaraj R.K., Gopal D.G., Gadekallu T.R., Aboudaif M.K., Nasr E.A.	A heuristic angular clustering framework for secured statistical data aggregation in sensor networks	Sensors (Switzerland)	20	17	1	15	3.275	10.3390/s20174937
508	Chowdhary C.L., Patel P.V., Kathrotia K.J., Attique M., Kumaresan P., Ijaz M.F.	Analytical study of hybrid techniques for image encryption and decryption	Sensors (Switzerland)	20	18	1	19	3.275	10.3390/s20185162
509	Aruna Gandhi M.S., Senthilnathan K., Babu P.R., Li Q.	Highly sensitive localized surface plasmon polariton based d-type twin-hole photonic crystal fiber microbiosensor: Enhanced scheme for sers reinforcement	Sensors (Switzerland)	20	18	1	13	3.275	10.3390/s20185248

510	Kataria A., Ghosh S., Karar V., Gupta T., Srinivasan K., Hu Y.-C.	Improved diver communication system by combining optical and electromagnetic trackers	Sensors (Switzerland)	20	18	1	18	3.275	10.3390/s20185084
511	Zahoor M.I., Dou Z., Shah S.B.H., Khan I.U., Ayub S., Gadekallu T.R.	Pilot decontamination using asynchronous fractional pilot scheduling in massive MIMO systems	Sensors (Switzerland)	20	21	1	21	3.275	10.3390/s20216213
512	Kumar L.A., Raj B.M., Vijayakumar V., Indragandhi V., Subramaniaswamy V., Karimi H.R., Veluvolu K.C.	Analysis of electric motor magnetic core loss under axial mechanical stress	Sensors (Switzerland)	20	23	1	14	3.275	10.3390/s20236818
513	Thabassum Akhtar Iqbal S., Tirupathi Pichiah P.B., Raja S., Arunachalam S.	Paeonol Reverses Adriamycin Induced Cardiac Pathological Remodeling through Notch1 Signaling Reactivation in H9c2 Cells and Adult Zebrafish Heart	Chemical Research in Toxicology					3.274	10.1021/acs.chemrestox.9b00093
514	Sodhro A.H., Zongwei L., Pirbhulal S., Sangaiah A.K., Lohano S., Sodhro G.H.	Power-Management Strategies for Medical Information Transmission in Wireless Body Sensor Networks	IEEE Consumer Electronics Magazine	9	2	47	51	3.273	10.1109/MCE.2019.2954053
515	Sana S.S., Kumbhakar D.V., Pasha A., Pawar S.C., Grace A.N., Singh R.P., Nguyen V.-H., Le Q.V., Peng W.	Crotalaria verrucosa Leaf Extract Mediated Synthesis of Zinc Oxide Nanoparticles: Assessment of Antimicrobial and Anticancer Activity	Molecules (Basel, Switzerland)	25	21			3.267	10.3390/molecules25214896

516	Singh S.V., Vishakantaiah J., Meka J.K., Sivaprahasam V., Chandrasekaran V., Thombre R., Thiruvenkatam V., Mallya A., Rajasekhar B.N., Muruganatham M., Datey A., Hill H., Bhardwaj A., Jagadeesh G., Reddy K.P.J., Mason N.J., Sivaraman B.	Shock Processing of Amino Acids Leading to Complex Structures-Implications to the Origin of Life	Molecules (Basel, Switzerland)	25	23			3.267	10.3390/molecules25235634
517	Udhaya Kumar S., Sankar S., Younes S., Thirumal Kumar D., Ahmad M.N., Okashah S.S., Kamaraj B., Al-Subaie A.M., George Priya Doss C., Zayed H.	Deciphering the role of filamin B calponin-homology domain in causing the larsen syndrome, boomerang dysplasia, and atelosteogenesis type I spectrum disorders via a computational approach	Molecules	25	23			3.267	10.3390/molecules25235543
518	Mani Rahulan K., Flower A.L., Padmanathan N., Mahendra A., Shekhawat V., Vinitha G., Annie Sujatha R., Shivkumar M.A.	Luminescence and nonlinear optical properties of Er ³⁺ -doped ZnWO ₄ nanostructures	Journal of Photochemistry and Photobiology A: Chemistry	386				3.261	10.1016/j.jphotochem.2019.112128
519	George M., Balaji J., Sajan D., Dominic P., Philip R., Vinitha G.	Synthesis and third order optical nonlinearity studies of toluidine tartrate single crystal supported by photophysical characterization and vibrational spectral analysis	Journal of Photochemistry and Photobiology A: Chemistry	393				3.261	10.1016/j.jphotochem.2020.112413
520	Thamim M., Senthilkumar K., Job N., Palanisami N., Thirumoorthy K.	Directionality of Pb ²⁺ lone pair electrons dictated hemi-directed coordination mode of methyl- and ferrocenylcarboxylate complexes	Applied Organometallic Chemistry					3.259	10.1002/aoc.5537

521	Udhaya Kumar S., Thirumal Kumar D., Bithia R., Sankar S., Magesh R., Sidenna M., George Priya Doss C., Zayed H.	Analysis of differentially expressed genes and molecular pathways in familial hypercholesterolemia involved in atherosclerosis: A systematic and bioinformatics approach	Frontiers in Genetics	11		1	16	3.258	10.3389/fgene.2020.00734
522	Mahendran N., Durai Raj Vincent P.M., Srinivasan K., Chang C.-Y.	Machine Learning Based Computational Gene Selection Models: A Survey, Performance Evaluation, Open Issues, and Future Research Directions	Frontiers in Genetics	11				3.258	10.3389/fgene.2020.603808
523	Jose J., Srimuruganandam B.	Investigation of road dust characteristics and its associated health risks from an urban environment	Environmental Geochemistry and Health					3.252	10.1007/s10653-020-00521-6
524	Ashok A., Ratnaji T., John Kennedy L., Judith Vijaya J.	Magnetically separable Zn _{1-x} Cu _x Fe ₂ O ₄ (0 ≤ x ≤ 0.5) nanocatalysts for the transesterification of waste cooking oil	Advanced Powder Technology					3.250	10.1016/j.appt.2020.04.022
525	Tamil selvi G., Nirmala Grace A., Jeong S.K.	Synthesis of rare earth hydroxycarbonate (LaOHCO ₃) nanocrystals with tuneable morphology and luminescence properties	Advanced Powder Technology					3.250	10.1016/j.appt.2020.04.002
526	Menon S., Shanmugam V.K.	Chemopreventive mechanism of action by oxidative stress and toxicity induced surface decorated selenium nanoparticles	Journal of Trace Elements in Medicine and Biology	62				3.245	10.1016/j.jtemb.2020.126549
527	Jayaraj P., Narasimhulu C.A., Rajagopalan S., Parthasarathy S., Desikan R.	Sesamol: a powerful functional food ingredient from sesame oil for cardioprotection	Food and Function	11	2	1198	1210	3.241	10.1039/c9fo01873e
528	Sundar V., Tamizhselvi R.	Inhibition of Rb phosphorylation leads to H ₂ S-mediated inhibition of NF-κB in acute pancreatitis and associated lung injury in mice	Pancreatology					3.241	10.1016/j.pan.2020.04.011

529	Sruthilaxmi C.B., Babu S.	Proteome Responses to Individual Pathogens and Abiotic Conditions in Rice Seedlings	Phytopathology	110	7	1326	1341	3.234	10.1094/PHYTO-11-19-0425-R
530	Gowrisankar A., Rondoni L., Banerjee S.	Can India develop herd immunity against COVID-19?	European Physical Journal Plus	135	6			3.228	10.1140/epjp/s13360-020-00531-4
531	Sreenivasulu P., Poornima T., Malleswari B., Bhaskar Reddy N., Souayah B.	Viscous dissipation impact on electrical resistance heating distributed Carreau nanoliquid along stretching sheet with zero mass flux	European Physical Journal Plus	135	9			3.228	10.1140/epjp/s13360-020-00680-6
532	Reddy P.B.A.	Biomedical aspects of entropy generation on electromagnetohydrodynamic blood flow of hybrid nanofluid with nonlinear thermal radiation and non-uniform heat source/sink	European Physical Journal Plus	135	10			3.228	10.1140/epjp/s13360-020-00825-7
533	Pacif S.K.J.	Dark energy models from a parametrization of H: a comprehensive analysis and observational constraints	European Physical Journal Plus	135	10			3.228	10.1140/epjp/s13360-020-00769-y
534	Shivakumar M., Selvaraj T.	A scientific study on the role of organic lime mortars of Padmanabhapuram Palace, Thuckalay, Tamilnadu, India	European Physical Journal Plus	135	11			3.228	10.1140/epjp/s13360-020-00896-6
535	Anuja P.K., Paira P.	Luminescent anticancer Ru(II)-arenebipyridine and phenanthroline complexes: Synthesis, characterization, DFT studies, biological interactions and cellular imaging application	Journal of Inorganic Biochemistry	208				3.224	10.1016/j.jinorgbio.2020.111099
536	Datta S., Rajnish K.N., George Priya Doss C., Melvin Samuel S., Selvarajan E., Zayed H.	Enzyme therapy: a forerunner in catalyzing a healthy society?	Expert Opinion on Biological Therapy			1	23	3.224	10.1080/14712598.2020.1787980

537	Venkatraman S.K., Swamiappan S.	Review on calcium- and magnesium-based silicates for bone tissue engineering applications	Journal of Biomedical Materials Research - Part A					3.221	10.1002/jbm.a.36925
538	Narayanan V., Sumathi S., Narayanasamy A.N.R.	Tricomponent composite containing copper-hydroxyapatite/chitosan/polyvinyl pyrrolidone for bone tissue engineering	Journal of Biomedical Materials Research - Part A					3.221	10.1002/jbm.a.36950
539	Madurantakam Royam M., Nachimuthu R.	Isolation, characterization, and efficacy of bacteriophages isolated against Citrobacter spp. an in vivo approach in a zebrafish model (Danio rerio)	Research in Microbiology					3.217	10.1016/j.resmic.2020.08.003
540	Dinesh P., Kalaiselvan S., Sujitha S., Rasool M.	MicroRNA-532-3p Regulates Pro-Inflammatory Human THP-1 Macrophages by Targeting ASK1/p38 MAPK Pathway	Inflammation					3.212	10.1007/s10753-020-01325-7
541	Upadhyay Y., Kumar R., SK A.K., Sahoo S.K.	Vitamin B6 cofactors conjugated ovalbumin-stabilized gold nanoclusters: Application in alkaline phosphatase activity detection and generating white-light emission	Microchemical Journal	156				3.206	10.1016/j.microc.2020.104859
542	Taraphdar P.K., Thakare J.G., Pandey C., Mahapatra M.M.	Novel residual stress measurement technique to evaluate through thickness residual stress fields	Materials Letters	277				3.204	10.1016/j.matlet.2020.128347
543	Radhakrishnan J., Biswas K.	Facile synthesis of Ti doped MoS2 and its superior adsorption properties	Materials Letters	280				3.204	10.1016/j.matlet.2020.128522
544	M S.P., A E.P., S A.	Development of multi-pass processed AA6082/SiCp surface composite using friction stir processing and its mechanical and tribology characterization	Surface and Coatings Technology	394				3.192	10.1016/j.surfcoat.2020.125900

545	Karthick Raaj R., Vijay Anirudh P., Karunakaran C., Kannan C., Jahagirdar A., Joshi S., Balan A.S.S.	Exploring grinding and burnishing as surface post-treatment options for electron beam additive manufactured Alloy 718	Surface and Coatings Technology	397				3.192	10.1016/j.surfcoat.2020.126063
546	Vishnu J., Calin M., Pilz S., Gebert A., Kaczmarek B., Michalska-Sionkowska M., Hoffmann V., Manivasagam G.	Superhydrophilic nanostructured surfaces of beta Ti[sbnd]29Nb alloy for cardiovascular stent applications	Surface and Coatings Technology	396				3.192	10.1016/j.surfcoat.2020.125965
547	Pavan Kumar Naidu R., Meikandasivam S.	Power quality enhancement in a grid-connected hybrid system with coordinated PQ theory & fractional order PID controller in DPFC	Sustainable Energy, Grids and Networks	21				3.182	10.1016/j.segan.2020.100317
548	Rajendhar P., Jeyaraj B.E.	A Water Filling Energy distributive algorithm based HEMS in coordination with PEV	Sustainable Energy, Grids and Networks	22				3.182	10.1016/j.segan.2020.100360
549	Desireddy S., P.C. S., M. Maliyekkal S.	Anoxic ammonia removal using granulated nanostructured Fe oxyhydroxides and the effect of pH, temperature and potential inhibitors on the process	Journal of Water Process Engineering	33				3.173	10.1016/j.jwpe.2019.101066
550	Desireddy S., P.C. S., R.L. M., Mehta A.	Development of an up-flow anoxic nanobiotechnological reactor for simultaneous removal of ammonia and COD from low C/N secondary treated wastewater	Journal of Water Process Engineering	36				3.173	10.1016/j.jwpe.2020.101344
551	K.V.G. R., Kubendiran H., Gupta R., Gupta A., Sharma P., Alex S.A., Natarajan C., Das B., Mukherjee A.	In-situ coating of Fe/Pd nanoparticles on sand and its application for removal of tetracycline from aqueous solution	Journal of Water Process Engineering	36				3.173	10.1016/j.jwpe.2020.101400
552	Odumpatta R., Mohanapriya A.	Next generation sequencing exome data analysis aids in the discovery of SNP and INDEL patterns in Parkinson's disease	Genomics					3.160	10.1016/j.ygeno.2020.04.025

553	Hamdi I., Buntinx G., Tiwari A.K., Delbaere S., Takeshita M., Aloïse S.	Cyclization Dynamics and Competitive Processes of Photochromic Perfluorocyclopentene Dithienylethylene in Solution	ChemPhysChem					3.144	10.1002/cphc.202 000516
554	Suman P., Bhat H.R., Janardan S., Bortamuli S.P., Jha P.C., Sivaramakrishna A.	New Hydrazone based Tricyclic Pentacoordinate Siliconium Ions –A Facile Route to the Synthesis of Spherical Shaped Sr ₅ (PO ₄) ₂ SiO ₄	Applied Organometallic Chemistry					3.140	10.1002/aoc.5909
555	Azeez N.A., Saravanan M., Chandar N.R.K., Vishaal M.K., Deepa V.S.	Enhancing the Aspirin Loading and Release Efficiency of Silver Oxide Nanoparticles Using Oleic Acid-based Bio-Surfactant from Enteromorpha intestinalis	Applied Organometallic Chemistry					3.140	10.1002/aoc.5934
556	Devi Priya D., Mohana Roopan S.	Effective catalytic approach of NiTiO ₃ photosonocatalyst for the synthesis of indazolo[3,2-b]quinazoline and its photophysical property	Applied Organometallic Chemistry					3.140	10.1002/aoc.6109
557	Annamalai C., Ganesh R.N., Viswanathan P.	Ferrototoxicity and its amelioration by endogenous vitamin D in experimental acute kidney injury	Experimental Biology and Medicine					3.139	10.1177/153537022 0946271
558	Navaneeth B., Suchetha M.	A dynamic pooling based convolutional neural network approach to detect chronic kidney disease	Biomedical Signal Processing and Control	62				3.137	10.1016/j.bspc.202 0.102068
559	Shoba S.J.G., Therese A.B.	Detection of glaucoma disease in fundus images based on morphological operation and finite element method	Biomedical Signal Processing and Control	62				3.137	10.1016/j.bspc.202 0.101986
560	Khan J.M., Malik A., Ahmad Khan M., Sharma P., Sen P.	Pre-micellar concentrations of sodium dodecylbenzene sulphonate induce amyloid-like fibril formation in myoglobin at pH 4.5	Colloids and Surfaces A: Physicochemical and Engineering Aspects	586				3.131	10.1016/j.colsurfa. 2019.124240

561	Anupriyanka T., Shanmugavelayutham G., Sarma B., Mariammal M.	A single step approach of fabricating superhydrophobic PET fabric by using low pressure plasma for oil-water separation	Colloids and Surfaces A: Physicochemical and Engineering Aspects	600				3.131	10.1016/j.colsurfa.2020.124949
562	Teja C., Nawaz Khan F.-R.	Recent Advances in the Synthesis of Thienoquinolines (Quinoline-fused heterocycle)	Asian Journal of Organic Chemistry					3.130	10.1002/ajoc.202000427
563	Venkateshalu S., Grace A.N.	Review - Heterogeneous 3D Graphene Derivatives for Supercapacitors	Journal of the Electrochemical Society	167	5			3.120	10.1149/1945-7111/ab6bc5
564	Mathew S.A., Praveena P., Dhanavel S., Manikandan R., Senthilkumar S., Stephen A.	Luminescent chitosan/carbon dots as an effective nano-drug carrier for neurodegenerative diseases	RSC Advances	10	41	24386	24396	3.119	10.1039/d0ra04599c
565	Chakraborty D., Ethiraj K.R., Mukherjee A.	Understanding the relevance of protein corona in nanoparticle-based therapeutics and diagnostics	RSC Advances	10	45	27161	27172	3.119	10.1039/d0ra05241h
566	Gopal G., Alex S.A., Chandrasekaran N., Mukherjee A.	A review on tetracycline removal from aqueous systems by advanced treatment techniques	RSC Advances	10	45	27081	27095	3.119	10.1039/d0ra04264a
567	Sethi A., Sanam S., Munagalasetty S., Jayanthi S., Alvala M.	Understanding the role of galectin inhibitors as potential candidates for SARS-CoV-2 spike protein:: In silico studies	RSC Advances	10	50	29873	29884	3.119	10.1039/d0ra04795c
568	Gnanasekar S., Sonar P., Jain S.M., Jeong S.K., Grace A.N.	Performance evaluation of a low-cost, novel vanadium nitride xerogel (VNXG) as a platinum-free electrocatalyst for dye-sensitized solar cells	RSC Advances	10	67	41177	41186	3.119	10.1039/d0ra06984a
569	H. M., S. H., N. Q.I., R. M., A. M., R. S., L. S. S., K. B., P. B., H. D., P. N. N., M. M., Y. N.	Surface refined AuQuercetin nanoconjugate stimulates dermal cell migration: Possible implication in wound healing	RSC Advances	10	62	37683	37694	3.119	10.1039/d0ra06690g

570	Jhariat P., Kumari P., Panda T.	Structural features of proton-conducting metal organic and covalent organic frameworks	CrystEngComm	22	39	6425	6443	3.117	10.1039/d0ce00902d
571	Kochhar P., Manikandan C., Ravikumar G., Dwarkanath P., Sheela C.N., George S., Thomas A., Crasta J., Thomas T., Kurpad A.V., Mukhopadhyay A.	Placental expression of leptin: fetal sex-independent relation with human placental growth	European Journal of Clinical Nutrition					3.114	10.1038/s41430-020-0649-9
572	Rajaguru R., Vimala Devi K., Marichamy P.	A hybrid spectrum sensing approach to select suitable spectrum band for cognitive users	Computer Networks	180				3.111	10.1016/j.comnet.2020.107387
573	Walter C.E.J., Durairajan S., Periyandavan K., George Priya Doss C., Dicky John Davis G., Hannah Rachel Vasanthi A., Johnson T., Zayed H.	Bladder neoplasms and NF- κ B: an unfathomed association	Expert Review of Molecular Diagnostics					3.099	10.1080/14737159.2020.1743688
574	Nandha Kumar P., Subramanian S., Vijayalakshmi U., Kannan S.	Simultaneous accommodation of Dy ³⁺ at the lattice site of β -Ca ₃ (PO ₄) ₂ and t-ZrO ₂ mixtures: Structural stability, mechanical, optical, and magnetic features	Journal of the American Ceramic Society					3.094	10.1111/jace.17056
575	Ray S.S., Bakshi H.S., Dangayach R., Singh R., Deb C.K., Ganesapillai M., Chen S.-S., Purkait M.K.	Recent developments in nanomaterials-modified membranes for improved membrane distillation performance	Membranes	10	7	1	29	3.094	10.3390/membranes10070140
576	Ghosh M., Olaniyi S., Obabiyi O.S.	Mathematical analysis of reinfection and relapse in malaria dynamics	Applied Mathematics and Computation	373				3.092	10.1016/j.amc.2020.125044

577	Klavžar S., Rajasingh I., Emilet D.A.	A lower bound and several exact results on the d-lucky number	Applied Mathematics and Computation	366				3.092	10.1016/j.amc.2019.124760
578	Khargarot S., Sravan B.V., Aluru N., Mohammad Saadh A.W., Poonkuzhali R., Kumar O.P., Ali T., Pai M.M.M.	A compact wideband antenna with detailed time domain analysis for wireless applications	Ain Shams Engineering Journal					3.091	10.1016/j.asej.2020.02.008
579	Roniboss A., Subramani A., Ramamoorthy R., Yuvaraj S., Sundararajan M., Dash C.S.	Investigation of structural, optical and magnetic behavior of MAI2O4 (M= Zn and Co) nanoparticles via microwave combustion technique	Materials Science in Semiconductor Processing					3.085	10.1016/j.mssp.2020.105507
580	Udmale S.S., Singh S.K., Singh R., Sangaiah A.K.	Multi-Fault Bearing Classification Using Sensors and ConvNet-Based Transfer Learning Approach	IEEE Sensors Journal	20	3	1433	1444	3.076	10.1109/JSEN.2019.2947026
581	Kalita H., Chaudhary B.S., Jagadeesh Kumar M.S., Rawat J.S., Rani M., Kumar P.	Investigating Time Volatility Magnetic Field of the Jovian Moon: Callisto Using Magnetometer Sensor	IEEE Sensors Journal	20	1	121	126	3.076	10.1109/JSEN.2019.2940559
582	Yadav S., Satija J.	Total Internal Reflection Fluorescence Foldscope Adapter: Design, Fabrication and Applications	IEEE Sensors Journal	20	9	4646	4652	3.076	10.1109/JSEN.2020.2966536
583	Sankar Parhi S., Pandu Rangaiah G., Jana A.K.	Mixed-Integer dynamic optimization of conventional and vapor recompressed batch distillation for economic and environmental objectives	Chemical Engineering Research and Design	154		70	85	3.073	10.1016/j.cherd.2019.12.006
584	Kothandaraman M., Law Z., Gnanamuthu E.M.A., Pua C.H.	An Adaptive ICA-Based Cross-Correlation Techniques for Water Pipeline Leakage Localization Utilizing Acousto-Optic Sensors	IEEE Sensors Journal	20	17	10021	10031	3.073	10.1109/JSEN.2020.2991639

585	Bhagya D., Suchetha M.	A 1-D Deformable Convolutional Neural Network for the quantitative analysis of Capnographic Sensor	IEEE Sensors Journal					3.073	10.1109/JSEN.2020.3042989
586	Thiyagarajan K., Rajini G., Maji D.	Flexible, Highly Sensitive Paper-Based Screen Printed MWCNT/PDMS Composite Breath Sensor for Human Respiration Monitoring	IEEE Sensors Journal					3.073	10.1109/JSEN.2020.3040995
587	Padhy S.	A Tensor-based Approach using Multilinear SVD for Hand Gesture Recognition from sEMG signals	IEEE Sensors Journal					3.073	10.1109/JSEN.2020.3042540
588	Arora S., Meng X.-H., Pacif S.K.J., Sahoo P.K.	Effective equation of state in modified gravity and observational constraints	Classical and Quantum Gravity	37	20			3.071	10.1088/1361-6382/aba587
589	Maiti S., Roy N., Babu L.T., Moharana P., Athira C.C., Darsana Sreedhar E., De S., Ashok Kumar S.K., Paira P.	Cu(ii), Ir(i) and CuO nanocatalyzed mild synthesis of luminescent symmetrical and unsymmetrical bis(triazolylmethyl)quinoxalines: Biocompatibility, cytotoxicity, live cell imaging and biomolecular interaction	New Journal of Chemistry	44	3	920	931	3.069	10.1039/c9nj03131f
590	Valarmathi N., Sumathi S.	Biomimetic hydroxyapatite/silkfibre/methylcellulose composites for bone tissue engineering applications	New Journal of Chemistry	44	11	4647	4663	3.069	10.1039/c9nj05592d
591	Jayaraj P., Shavi G.V., Srinivasan A.K., Raghavendra R., Sivaramakrishna A., Desikan R.	A pre-formulation strategy for the liposome encapsulation of new thioctic acid conjugates for enhanced chemical stability and use as an efficient drug carrier for MPO-mediated atherosclerotic CVD treatment	New Journal of Chemistry	44	7	2755	2767	3.069	10.1039/c9nj05258e

592	Karthik S., Ajantha J., Easwaramoorthi S., Gandhi T.	Pyrenoimidazole-fused phenanthridine derivatives with intense red excimer fluorescence in the solid state	New Journal of Chemistry	44	22	9530	9539	3.069	10.1039/d0nj01223h
593	Pitchaiya S., Eswaramoorthy N., Natarajan M., Santhanam A., Ramakrishnan V.M., Asokan V., Palanichamy P., Palanisamy B., Kalimuthu A., Velauthapillai D.	Interfacing green synthesized flake like-ZnO with TiO ₂ for bilayer electron extraction in perovskite solar cells	New Journal of Chemistry	44	20	8422	8433	3.069	10.1039/d0nj01559h
594	Kumar A., Saini R.P., Saini G., Dwivedi G.	Effect of number of stages on the performance characteristics of modified Savonius hydrokinetic turbine	Ocean Engineering	217				3.068	10.1016/j.oceaneng.2020.108090
595	Nayana B.R., Geethanjali P.	Improved Identification of Various Conditions of Induction Motor Bearing Faults	IEEE Transactions on Instrumentation and Measurement	69	5	1908	1919	3.067	10.1109/TIM.2019.2917981
596	Vijayakumar V., Udhayakumar R.	Results on approximate controllability for non-densely defined Hilfer fractional differential system with infinite delay	Chaos, Solitons and Fractals	139				3.064	10.1016/j.chaos.2020.110019
597	Drewnowski J., Szeląg B., Xie L., Lu X., Ganesapillai M., Deb C.K., Szulzyk-Cieplak J., Łagód G.	The influence of COD fraction forms and molecules size on hydrolysis process developed by comparative OUR studies in activated sludge modelling	Molecules	25	4			3.060	10.3390/molecules25040929
598	Sabarimurugan S., Madhav M.R., Kumarasamy C., Gupta A., Baxi S., Krishnan S., Jayaraj R.	Prognostic Value of MicroRNAs in Stage II Colorectal Cancer Patients: A Systematic Review and Meta-Analysis	Molecular Diagnosis and Therapy	24	1	15	30	3.058	10.1007/s40291-019-00440-y

599	Selvaraj S.K., Srinivasan K., Ramesh Kumar S., Hu Y.-C.	Sensor-assisted assessment of the tribological behavior patterns of AA7075 hybrid MMC reinforced with multi-wall carbon nanotubes and pulverized fuel ash	Materials	13	11			3.057	10.3390/ma13112583
600	Upadhyaya S., Agrawal S., Gorakshakar A., Rao B.J.	TOR kinase activity in Chlamydomonas reinhardtii is modulated by cellular metabolic states	FEBS Letters					3.057	10.1002/1873-3468.13888
601	Wang Z., Ummethala R., Singh N., Tang S., Suryanarayana C., Eckert J., Prashanth K.G.	Selective laser melting of aluminum and its alloys	Materials	13	20	1	67	3.057	10.3390/ma13204564
602	Selvaraj S.K., Srinivasan K., Deshmukh J., Agrawal D., Mungilwar S., Jagtap R., Hu Y.-C.	Performance comparison of advanced ceramic cladding approaches via solid-state and traditional welding processes: A review	Materials	13	24	1	22	3.057	10.3390/ma13245805
603	Shaik S.V., Shaik S., Gorantla K., Mahapatra D., Setty A.B.T.P.	Investigation on thermodynamic performance analysis and environmental effects of various new refrigerants used in air conditioners	Environmental Science and Pollution Research					3.056	10.1007/s11356-020-09478-6
604	Meena S.D., Loganathan A.	Intelligent animal detection system using sparse multi discriminative-neural network (SMD-NN) to mitigate animal-vehicle collision	Environmental Science and Pollution Research					3.056	10.1007/s11356-020-09950-3
605	Vandhana S., Anuradha J.	Environmental air pollution clustering using enhanced ensemble clustering methodology	Environmental Science and Pollution Research					3.056	10.1007/s11356-020-09962-z
606	Tamilvanan A., Balamurugan K., Ashok B., Selvakumar P., Dhamotharan S., Bharathiraja M., Karthickeyan V.	Effect of diethyl ether and ethanol as an oxygenated additive on Calophyllum inophyllum biodiesel in CI engine	Environmental Science and Pollution Research					3.056	10.1007/s11356-020-10624-3

607	Sana S.S., Dogiparthi L.K., Gangadhar L., Chakravorty A., Abhishek N.	Effects of microplastics and nanoplastics on marine environment and human health	Environmental Science and Pollution Research					3.056	10.1007/s11356-020-10573-x
608	Arumugam C., Shaik S.	Transforming waste disposals into building materials to investigate energy savings and carbon emission mitigation potential	Environmental Science and Pollution Research					3.056	10.1007/s11356-020-11693-0
609	Pazhaniraja N., Sountharajan S., Sathis Kumar B.	High utility itemset mining: a Boolean operators-based modified grey wolf optimization algorithm	Soft Computing					3.050	10.1007/s00500-020-05123-z
610	Rathish R.J., Mahadevan K., Selvaraj S.K., Booma J.	Multi-objective evolutionary optimization with genetic algorithm for the design of off-grid PV-wind-battery-diesel system	Soft Computing					3.050	10.1007/s00500-020-05372-y
611	Teja C., Babu S.N., Noor A., Daniel J.A., Devi S.A., Nawaz Khan F.R.	Cu/TEMPO catalyzed dehydrogenative 1,3-dipolar cycloaddition in the synthesis of spirooxindoles as potential antidiabetic agents	RSC Advances	10	21	12262	12271	3.049	10.1039/d0ra01553a
612	Archana T., Vijayakumar K., Subashini G., Nirmala Grace A., Arivanandhan M., Jayavel R.	Effect of co-sensitization of InSb quantum dots on enhancing the photoconversion efficiency of CdS based quantum dot sensitized solar cells	RSC Advances	10	25	14837	14845	3.049	10.1039/c9ra10118g
613	Manickam S., Iyer S.K.	Highly sensitive turn-off fluorescent detection of cyanide in aqueous medium using dicyanovinyl-substituted phenanthridine fluorophore	RSC Advances	10	20	11791	11799	3.049	10.1039/d0ra00623h

614	Upare A.A., Gadekar P.K., Jadhav K., Sivaramakrishnan H., Roopan S.M.	Chlorotrifluoroethylidenes: An efficient and convenient approach to their synthesis	RSC Advances	10	30	17427	17431	3.049	10.1039/d0ra02481c
615	Venkatesan K., Devendiran S., Bhupatiraju S.C.S.R., Kolluru S., Pavan Kumar C.	Experimental investigation and optimization of micro-drilling parameters on Inconel 800 superalloy	Materials and Manufacturing Processes	35	11	1214	1227	3.046	10.1080/10426914.2020.1746333
616	Sokkalingam R., Mastanaiah P., Muthupandi V., Sivaprasad K., Prashanth K.G.	Electron-beam welding of high-entropy alloy and stainless steel: microstructure and mechanical properties	Materials and Manufacturing Processes					3.046	10.1080/10426914.2020.1802045
617	Sangaiah A.K., Hosseinabadi A.A.R., Shareh M.B., Bozorgi Rad S.Y., Zolfagharian A., Chilamkurti N.	IoT Resource Allocation and Optimization Based on Heuristic Algorithm	Sensors (Basel, Switzerland)	20	2			3.031	10.3390/s20020539
618	Chang C.-Y., Srinivasan K., Chen M.-C., Chen S.-J.	SVM-enabled intelligent genetic algorithmic model for realizing efficient universal feature selection in breast cyst image acquired via ultrasound sensing systems	Sensors (Switzerland)	20	2			3.031	10.3390/s20020432
619	Emperuman M., Chandrasekaran S.	Hybrid continuous density hmm-based ensemble neural networks for sensor fault detection and classification in wireless sensor network	Sensors (Switzerland)	20	3			3.031	10.3390/s20030745
620	R L., P V.	Wireless Body Area Network (WBAN)-Based Telemedicine for Emergency Care	Sensors (Basel, Switzerland)	20	7			3.031	10.3390/s20072153
621	Tuan L.M., Son L.H., Long H.V., Priya L.R., Soundar K.R., Robinson Y.H., Kumar R.	ITFDS: Channel-aware integrated time and frequency-based downlink LTE scheduling in MANET	Sensors (Switzerland)	20	12	1	20	3.031	10.3390/s20123394

622	Thiyagarajan M.D., Balijapalli U., Nasiri S., Volyniuk D., Simokaitienec J., Pathak M., Iyer S.K., Gražulevičius J.V.	Rational Synthesis of Tetrahydrodibenzophenanthridine and Phenanthroimidazole as Efficient Blue Emitters and their Applications	European Journal of Organic Chemistry					3.029	10.1002/ejoc.2019 01711
623	Prameela S., Nawaz Khan F.-R.	Ru-Catalyzed Sequential Dehydrogenative Friedlander Reaction/sp ³ C–H Activation/Knoevenagel Condensation in the Regioselective Synthesis of Chimanine B Analogues	European Journal of Organic Chemistry	2020	19	2888	2903	3.029	10.1002/ejoc.20200 0201
624	Elakkiya V., Sumathi S.	Low-temperature synthesis of environment-friendly cool yellow pigment: Ce substituted SrMoO ₄	Materials Letters	263				3.019	10.1016/j.matlet.2 019.127246
625	Priya D.D., Roopan S.M., Singh S., Bansal J., Shanavas S., Khan M.R., Al- Dhabi N.A., Arasu M.V., Duraipandiyan V.	Phyto-synthesis of CuO nano-particles and its catalytic application in C-S bond formation	Materials Letters	266				3.019	10.1016/j.matlet.2 020.127486
626	Selvamani P.S., Vijaya J.J., Kennedy L.J., Saravanakumar B., Bououdina M.	High-performance supercapacitor based on Cu ₂ O/MoS ₂ /rGO nanocomposite	Materials Letters	275				3.019	10.1016/j.matlet.20 20.128095
627	Premkumar J., Sampath P., Sanjay R., Chandrakala A., Rajagopal D.	Synthetic Guaiacol Derivatives as Promising Myeloperoxidase Inhibitors Targeting Atherosclerotic Cardiovascular Disease	ChemMedChem					3.016	10.1002/cmdc.2020 00084
628	Thirumal Kumar D., Udhaya Kumar S., Magesh R., George Priya Doss C.	Investigating mutations at the hotspot position of the ERBB2 and screening for the novel lead compound to treat breast cancer – a computational approach	Advances in Protein Chemistry and Structural Biology					3.014	10.1016/bs.apcsb.2 020.10.001

629	Mishra S., Shah M.I., Udhaya Kumar S., Thirumal Kumar D., Gopalakrishnan C., Al-Subaie A.M., Magesh R., George Priya Doss C., Kamaraj B.	Network analysis of transcriptomics data for the prediction and prioritization of membrane-associated biomarkers for idiopathic pulmonary fibrosis (IPF) by bioinformatics approach	Advances in Protein Chemistry and Structural Biology					3.014	10.1016/bs.apcsb.2020.10.003
630	Mohanta A., Patra K.C., Pradhan A.	Enhanced Channel Division Method for Estimation of Discharge in Meandering Compound Channel	Water Resources Management					2.987	10.1007/s11269-020-02482-y
631	Ambasta R.K., Adeshara K., Yadav S., Kumar P.	VEGF/CDK2 are involved in diabetic organ regeneration	Biochemical and Biophysical Research Communications	529	4	1094	1100	2.985	10.1016/j.bbrc.2020.07.014
632	Sundar V., Vimal S., Sai Mithlesh M.S., Dutta A., Tamizhselvi R., Manickam V.	Transcriptional cyclin-dependent kinases as the mediators of inflammation-a review	Gene					2.984	10.1016/j.gene.2020.145200
633	Kumar V., Sekar M., Sarkar P., Acharya K.K., Thirumurugan K.	Dynamics of HOX gene expression and regulation in adipocyte development	Gene					2.984	10.1016/j.gene.2020.145308
634	Khaparde A., Tetala K.K.R.	Simplification of affinity macroporous monolith microfluidic column synthesis and its ability for protein separation	Journal of Pharmaceutical and Biomedical Analysis	181				2.983	10.1016/j.jpba.2020.113099
635	S S., Vuppu S.	In vitro drug metabolism and pharmacokinetics of a novel thiazolidinedione derivative, a potential anticancer compound	Journal of Pharmaceutical and Biomedical Analysis	179				2.983	10.1016/j.jpba.2019.113000
636	Kumaran S.S., Kaliappan J., Srinivasan K., Hu Y.-C., Padmanaban S., Srinivasan N.	Realizing a novel friction stir processing-enabled FWTPET process for strength enhancement using firefly and pso methods	Materials	13	3			2.972	10.3390/ma13030728

637	Mahalakshmi R., Pugazhendhi A., Brindhadevi K., Ramesh N.	Analysis of Alkylphenol ethoxylates (APEOs) from tannery sediments using LC-MS and their environmental risks	Process Biochemistry	97		37	42	2.952	10.1016/j.procbio.2020.06.015
638	Mathew G.E., Oh J.M., Mohan K., Kumar K.S., Jayanthi S., Kim H., Mathew B.	Inhibitions of monoamine oxidases and acetylcholinesterase by 1-methyl, 5-phenyl substituted thiosemicarbazones: Synthesis, biochemical, and computational investigations	Process Biochemistry	99		246	253	2.952	10.1016/j.procbio.2020.05.016
639	Bajpai A.K., Davuluri S., Tiwary K., Narayanan S., Oguru S., Basavaraju K., Dayalan D., Thirumurugan K., Acharya K.K.	Systematic comparison of the protein-protein interaction databases from a user's perspective	Journal of Biomedical Informatics	103				2.950	10.1016/j.jbi.2020.103380
640	M R.K., Vaegae N.K.	Walsh code based numerical mapping method for the identification of protein coding regions in eukaryotes	Biomedical Signal Processing and Control	58				2.943	10.1016/j.bspc.2020.101859
641	Bisht A., Srivastava S., Purushothaman G.	A new 360° rotating type stimuli for improved SSVEP based brain computer interface	Biomedical Signal Processing and Control	57				2.943	10.1016/j.bspc.2019.101778
642	Jha A.K., Dasgupta S.S.	Suppression of Sommerfeld effect in a non-ideal discrete rotor system with fractional order external damping	European Journal of Mechanics, A/Solids	79				2.931	10.1016/j.euromechsol.2019.103873
643	Bhaskar R., Vijayakumar V., Srinivasadesikan V., Lee S.-L., Sarveswari S.	Rationally designed imidazole derivative as colorimetric and fluorometric sensor for selective, qualitative and quantitative cyanide ion detection in real time samples	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	234				2.931	10.1016/j.saa.2020.118212

644	Sengan M., Kamlekar R.K., Veerappan A.	Highly selective rapid colorimetric sensing of Pb ²⁺ ion in water samples and paint based on metal induced aggregation of N-decanoyltromethamine capped gold nanoparticles	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	239				2.931	10.1016/j.saa.2020.118485
645	Das T.K., Dwivedy B., Behera D., Behera S.K., Karmakar N.C.	Design and modelling of a compact circularly polarized antenna for RFID applications	AEU - International Journal of Electronics and Communications	123				2.924	10.1016/j.aeue.2020.153313
646	Manikandan P., Bindu B.	Dual-summed flipped voltage follower LDO regulator with active feed-forward compensation	AEU - International Journal of Electronics and Communications	123				2.924	10.1016/j.aeue.2020.153314
647	Kumar N., Usha Kiran K.	Meander-line electromagnetic bandgap structure for UWB MIMO antenna mutual coupling reduction in E-plane	AEU - International Journal of Electronics and Communications	127				2.924	10.1016/j.aeue.2020.153423
648	MohanRajan S.N., Loganathan A., Manoharan P.	Survey on Land Use/Land Cover (LU/LC) change analysis in remote sensing and GIS environment: Techniques and Challenges	Environmental Science and Pollution Research					2.914	10.1007/s11356-020-09091-7
649	Basu S., Veeraraghavan B., Ramaiah S., Anbarasu A.	Novel cyclohexanone compound as a potential ligand against SARS-CoV-2 main-protease	Microbial Pathogenesis	149				2.914	10.1016/j.micpath.2020.104546
650	Tayenjam S., Vanukuru V., Sundaram K.	An Analytical Model for Distributed Capacitance in Up-Down Series Stacked Inductors	IEEE Transactions on Electron Devices	67	9	3510	3515	2.913	10.1109/TED.2020.3006160
651	Jegadheesan V., Sivasankaran K., Konar A.	Optimized Substrate for Improved Performance of Stacked Nanosheet Field-Effect Transistor	IEEE Transactions on Electron Devices	67	10	4079	4084	2.913	10.1109/TED.2020.3017175

652	Jeyaraman S., Vanukuru V.N.R., Nair D., Chakravorty A.	Modeling of High-Q Conical Inductors and MOM Capacitors for Millimeter-Wave Applications	IEEE Transactions on Electron Devices	67	12	5646	5652	2.913	10.1109/TED.2020.3029236
653	Rastogi A., Hegde G., Manohar T., Manohar R.	Effect of oil palm leaf-based carbon quantum dot on nematic liquid crystal and its electro-optical effects	Liquid Crystals					2.908	10.1080/02678292.2020.1817997
654	Narasimman S., Balakrishnan L., Alex Z.C.	Clad-modified fiber optic ammonia sensor based on Cu functionalized ZnO nanoflakes	Sensors and Actuators, A: Physical	316				2.904	10.1016/j.sna.2020.112374
655	Balaji K., Lavanya K., Mary A.G.	Clustering of mixed datasets using deep learning algorithm	Chemometrics and Intelligent Laboratory Systems	204				2.895	10.1016/j.chemolab.2020.104123
656	Roy P.K.	Multilayer Convolutional Neural Network to Filter Low Quality Content from Quora	Neural Processing Letters					2.891	10.1007/s11063-020-10284-x
657	Prameela S., Nawaz Khan F.-R.	Ir(I)-Catalyzed Synthesis of (E)-4-Benzylidenylacridines and (E)-2-Styrylquinoline-3-carboxamide through Sequential Suzuki–Miyaura Coupling, Dehydrogenative Friedländer Reaction, and sp ³ -C–H Activation	European Journal of Organic Chemistry					2.889	10.1002/ejoc.20200834
658	Pavithra D., Ethiraj K.R., Nawaz Khan F.-R.	Cu-TEMPO Catalyzed Dehydrogenative Friedlander Annulation/sp ³ C–H Functionalization/Spiroannulation towards Spiro[indoline-3,3'-pyrrolizin]-2'-yl)-4-phenylquinoline-3-Carboxylates	European Journal of Organic Chemistry	2020	45	7035	7050	2.889	10.1002/ejoc.202001109
659	Bali H., Gupta A.K., Mohan K., Thirumalai K., Tiwari S.K., Panigrahi M.K.	Evolution of the Oligotrophic West Pacific Warm Pool During the Pliocene-Pleistocene Boundary	Paleoceanography and Paleoclimatology	35	11			2.888	10.1029/2020PA003875

660	Priya D.D., Nandhakumar M., Shanavas S., Arasu M.V., Al-Dhabi N.A., Madhumitha G.	Aerva lanata-mediated bio-treated production of copper oxide nanoparticles, optimization by BBD-RSM method and its behaviour against water related mosquito	Applied Nanoscience (Switzerland)					2.880	10.1007/s13204-020-01573-x
661	Hayath T.B., Ramachandran S., Vallampati R.P., Béq O.A.	Computation of non-similar solution for magnetic pseudoplastic nanofluid flow over a circular cylinder with variable thermophysical properties and radiative flux	International Journal of Numerical Methods for Heat and Fluid Flow					2.871	10.1108/HFF-04-2020-0236
662	Tong C., Liang B., Zhang M., Chen R., Sangaiah A.K., Zheng Z., Wan T., Yue C., Yang X.	Pulmonary nodule detection based on ISODATA-Improved faster RCNN and 3D-CNN with focal loss	ACM Transactions on Multimedia Computing, Communications and Applications	16	1s			2.870	10.1145/3365445
663	Gandhi M., Rajagopal D., Senthil Kumar A.	Facile Electrochemical Demethylation of 2-Methoxyphenol to Surface-Confining Catechol on the MWCNT and Its Efficient Electrocatalytic Hydrazine Oxidation and Sensing Applications	ACS Omega	5	26	16208	16219	2.870	10.1021/acsomega.0c01846
664	Naik S., Kumar S.	Biochemical Characterization of Lactose Binding Entadin Lectin from Entada rheedii Seeds with Cytotoxic Activity against Cancer Cell Lines	ACS Omega					2.870	10.1021/acsomega.0c00577
665	Venkateshalu S., Cherusseri J., Karnan M., Kumar K.S., Kollu P., Sathish M., Thomas J., Jeong S.K., Grace A.N.	New Method for the Synthesis of 2D Vanadium Nitride (MXene) and Its Application as a Supercapacitor Electrode	ACS Omega					2.870	10.1021/acsomega.0c01215

666	Varija Raghu S., Thamankar R.	A Comparative Study of Crystallography and Defect Structure of Corneal Nipple Array in <i>Daphnia pulex</i> and <i>Papilio polytes</i> Butterfly Eye	ACS Omega	5	37	23662	23671	2.870	10.1021/acsomega.0c02314
667	Nivetha R., Gothandapani K., Raghavan V., Jacob G., Sellappan R., Bhardwaj P., Pitchaimuthu S., Kannan A.N.M., Jeong S.K., Grace A.N.	Highly Porous MIL-100(Fe) for the Hydrogen Evolution Reaction (HER) in Acidic and Basic Media	ACS Omega					2.870	10.1021/acsomega.0c02171
668	Hwang S.-M., Choi S.Y., Youn M.H., Lee W., Park K.T., Gothandapani K., Grace A.N., Jeong S.K.	Investigation on electroreduction of CO ₂ to formic acid using Cu ₃ (BTC) ₂ metal-organic framework (Cu-MOF) and graphene oxide	ACS Omega	5	37	23919	23930	2.870	10.1021/acsomega.0c03170
669	Mukku N., Madivalappa Davanagere P., Chanda K., Maiti B.	A Facile Microwave-Assisted Synthesis of Oxazoles and Diastereoselective Oxazolines Using Aryl-Aldehydes, p-Toluenesulfonylmethyl Isocyanide under Controlled Basic Conditions	ACS Omega					2.870	10.1021/acsomega.0c04130
670	Pandiyan S., Arumugam L., Srirangan S.P., Pitchan R., Sevugan P., Kannan K., Pitchan G., Hegde T.A., Gandhirajan V.	Biocompatible Carbon Quantum Dots Derived from Sugarcane Industrial Wastes for Effective Nonlinear Optical Behavior and Antimicrobial Activity Applications	ACS Omega	5	47	30363	30372	2.870	10.1021/acsomega.0c03290
671	Shanmuga Sundari P., Subaji M.	Integrating Sentiment Analysis on Hybrid Collaborative Filtering Method in a Big Data Environment	International Journal of Information Technology and Decision Making	19	2	385	412	2.862	10.1142/S0219622020500108

672	Lala H., Karmakar S.	Classification of arc fault between broken conductor and high-impedance surface: An empirical mode decomposition and Stockwell transform-based approach	IET Generation, Transmission and Distribution	14	22	5277	5286	2.862	10.1049/iet-gtd.2020.0340
673	Srivatsan K., Venkatesan N.	Farrow structure based FIR filter design using hybrid optimization	AEU - International Journal of Electronics and Communications	114				2.853	10.1016/j.aeue.2019.153020
674	Jegadheesan V., Sivasankaran K., Konar A.	Improved statistical variability and delay performance with junctionless inserted oxide FinFET	AEU - International Journal of Electronics and Communications	115				2.853	10.1016/j.aeue.2019.153030
675	Dwivedi R.P., Khan M.Z., Kommuri U.K.	UWB circular cross slot AMC design for radiation improvement of UWB antenna	AEU - International Journal of Electronics and Communications	117				2.853	10.1016/j.aeue.2020.153092
676	Usha P., Krishnan C.	Epsilon near zero metasurface for ultrawideband antenna gain enhancement and radar cross section reduction	AEU - International Journal of Electronics and Communications	119				2.853	10.1016/j.aeue.2020.153167
677	Mohammad Saadh A.W., Ashwath K., Ramaswamy P., Ali T., Anguera J.	A uniquely shaped MIMO antenna on FR4 material to enhance isolation and bandwidth for wireless applications	AEU - International Journal of Electronics and Communications	123				2.853	10.1016/j.aeue.2020.153316
678	Ramanujam P., Ramesh Venkatesan P.G., Arumugam C., Ponnusamy M.	Design of miniaturized super wideband printed monopole antenna operating from 0.7 to 18.5 GHz	AEU - International Journal of Electronics and Communications	123				2.853	10.1016/j.aeue.2020.153273
679	Nithiyandam S., Evan Prince S.	Toxins mechanism in instigating hepatotoxicity	Toxin Reviews					2.851	10.1080/15569543.2020.1818105

680	Varikkottil S., Febin Daya J.L.	Compact pulse position control-based inverter for high efficiency inductive power transfer to electric vehicle	IET Power Electronics	13	1	86	95	2.839	10.1049/iet-pel.2019.0720
681	Kumar G.K., Elangovan D.	Review on fault-diagnosis and fault-tolerance for DC-DC converters	IET Power Electronics	13	1	1	13	2.839	10.1049/iet-pel.2019.0672
682	Samuel V.J., Keerthi G., Mahalingam P.	Coupled inductor-based DC-DC converter with high voltage conversion ratio and smooth input current'	IET Power Electronics	13	4	733	743	2.839	10.1049/iet-pel.2019.0933
683	Tewari N., Thazhathu S.V.	Family of modular, extendable and high gain dc-dc converter with switched inductor and switched capacitor cells	IET Power Electronics	13	7	1321	1331	2.839	10.1049/iet-pel.2019.0163
684	Mathew D., Naidu R.C.	Investigation of single-stage transformerless buck-boost microinverters	IET Power Electronics	13	8	1487	1499	2.839	10.1049/iet-pel.2019.1237
685	Al-Shabib N.A., Khan J.M., Malik A., Rehman M.T., AlAjmi M.F., Husain F.M., Ahmad A., Sen P.	Investigating the effect of food additive dye "tartrazine" on BLG fibrillation under in-vitro condition. A biophysical and molecular docking study	Journal of King Saud University - Science					2.835	10.1016/j.jksus.2020.02.017
686	Seshadri A., Lenin N.C.	Review based on losses, torque ripple, vibration and noise in switched reluctance motor	IET Electric Power Applications	14	8	1458	1468	2.834	10.1049/iet-epa.2019.0251
687	Zhou R., Liu X., Aruna Gandhi M.S., Liu G., Fu H.Y., Zhang Z., Li Q.	Observation of soliton molecules in a robust all PM mode-locked fiber laser with nonreciprocal phase bias	IEEE Photonics Journal					2.833	10.1109/JPHOT.2020.3043425

688	Bhardwaj V., Thangaraj A., Varddhan S., Ashok Kumar S.K., Crisponi G., Sahoo S.K.	An aggregation-induced emission active vitamin B6 cofactor derivative: application in pH sensing and detection of latent fingerprints	Photochemical & photobiological sciences : Official journal of the European Photochemistry Association and the European Society for Photobiology	19	10	1402	1409	2.831	10.1039/d0pp00262c
689	Thiyagarajan R., Sharma D.S., Kaushik S., Sawant M., Ganapathy K., Nambi Raj N.A., Chilukuri S., Sundar S.C., Patro K.C., Manikandan A., Noufal M.P., Sivaraman R., Easow J., Jalali R.	Leaf open time sinogram (LOTS): a novel approach for patient specific quality assurance of total marrow irradiation	Radiation Oncology	15	1			2.817	10.1186/s13014-020-01669-2
690	Xu X., Han M., Nagarajan S.M., Anandhan P.	Industrial Internet of Things for smart manufacturing applications using hierarchical trustful resource assignment	Computer Communications	160		423	430	2.816	10.1016/j.comcom.2020.06.004
691	Deperlioglu O., Kose U., Gupta D., Khanna A., Sangaiah A.K.	Diagnosis of heart diseases by a secure Internet of Health Things system based on Autoencoder Deep Neural Network	Computer Communications	162		31	50	2.816	10.1016/j.comcom.2020.08.011
692	Iwendi C., Moqurrab S.A., Anjum A., Khan S., Mohan S., Srivastava G.	N-Sanitization: A semantic privacy-preserving framework for unstructured medical datasets	Computer Communications	161		160	171	2.816	10.1016/j.comcom.2020.07.032
693	Deebak B.D., Al-Turjman F.	A smart lightweight privacy preservation scheme for IoT-based UAV communication systems	Computer Communications	162		102	117	2.816	10.1016/j.comcom.2020.08.016
694	Aditya Sai Srinivas T., Manivannan S.S.	Prevention of Hello Flood Attack in IoT using combination of Deep Learning with Improved Rider Optimization Algorithm	Computer Communications	163		162	175	2.816	10.1016/j.comcom.2020.03.031

695	John Wesley R., Nayeemulla Khan A., Shahina A.	Phoneme classification in reconstructed phase space with convolutional neural networks	Pattern Recognition Letters	135		299	306	2.810	10.1016/j.patrec.20 20.05.002
696	Vijaya Geetha R., Kalaivani S.	A feature based change detection approach using multi-scale orientation for multi-temporal SAR images	European Journal of Remote Sensing					2.808	10.1080/22797254. 2020.1759457
697	Hu S., Fu Z., Jackson Samuel R.D., Anandhan P.	Application of active remote sensing in confirmation rights and identification of mortgage supply-demand subjects of rural land in Guangdong Province	European Journal of Remote Sensing					2.808	10.1080/22797254. 2020.1790996
698	Natteshan N.V.S., Suresh Kumar N.	Effective SAR image segmentation and classification of crop areas using MRG and CDNN techniques	European Journal of Remote Sensing	53	sup1	126	140	2.808	10.1080/2279725 4.2020.1727777
699	Xu X., Chen Y., Zhang J., Chen Y., Anandhan P., Manickam A.	A novel approach for scene classification from remote sensing images using deep learning methods	European Journal of Remote Sensing					2.808	10.1080/22797254. 2020.1790995
700	Sujath R., Chatterjee J.M., Hassanien A.E.	A machine learning forecasting model for COVID-19 pandemic in India	Stochastic Environmental Research and Risk Assessment	34	7	959	972	2.807	10.1007/s00477- 020-01827-8
701	Govindaraji P.K., Vuppu S.	Characterisation of pectin and optimization of pectinase enzyme from novel Streptomyces fumigatiscleroticus VIT-SP4 for drug delivery and concrete crack-healing applications: An eco- friendly approach	Saudi Journal of Biological Sciences					2.802	10.1016/j.sjbs.2020. 07.024
702	Yarrappagaari S., Gutha R., Narayanaswamy L., Thopireddy L., Benne L., Mohiyuddin S.S., Vijayakumar V., Saddala R.R.	Eco-friendly synthesis of silver nanoparticles from the whole plant of Cleome viscosa and evaluation of their characterization, antibacterial, antioxidant and antidiabetic properties	Saudi Journal of Biological Sciences					2.802	10.1016/j.sjbs.2020. 07.034

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704	Vijayalakshmi S., Govindarajan M., Al-Mulahim N., Ahmed Z., Mahboob S.	Cellulase immobilized magnetic nanoparticles for green energy production from Allamanda schottii L: Sustainability research in waste recycling	Saudi Journal of Biological Sciences					2.802	10.1016/j.sjbs.2020.11.034
705	K.V.G. R., Kubendiran H., Ramesh K., Rani S., Mandal T.K., Pulimi M., Natarajan C., Mukherjee A.	Batch and column study on tetracycline removal using green synthesized NiFe nanoparticles immobilized alginate beads	Environmental Technology and Innovation	17				2.800	10.1016/j.eti.2019.100520
706	Sohail M., Rehman A.U., Rene E.R., Behera S.K., Park H.-S.	Valorization of CO2 in flue gas through alkalinity production: Parametric optimization for application in anaerobic digesters	Environmental Technology and Innovation	17				2.800	10.1016/j.eti.2019.100522
707	Tang V.T., Rene E.R., Fu D.F., Singh R.P., Behera S.K., Pugazhendhi A.	Effect of mixed microbial culture addition on enhanced river water quality: Pollutant removal and microbial community characteristics	Environmental Technology and Innovation	18				2.800	10.1016/j.eti.2020.100707
708	Sankar S., Srinivasan P., Luhach A.K., Somula R., Chilamkurti N.	Energy-aware grid-based data aggregation scheme in routing protocol for agricultural internet of things	Sustainable Computing: Informatics and Systems	28				2.798	10.1016/j.suscom.2020.100422
709	Holovenko Y., Kollo L., Saarna M., Rahmani R., Soloviova T., Antonov M., Prashanth K.G., Cygan S., Veinthal R.	Effect of lattice surface treatment on performance of hardmetal - titanium interpenetrating phase composites	International Journal of Refractory Metals and Hard Materials	86				2.794	10.1016/j.ijrmhm.2019.105087

710	Rahmani R., Brojan M., Antonov M., Prashanth K.G.	Perspectives of metal-diamond composites additive manufacturing using SLM-SPS and other techniques for increased wear-impact resistance	International Journal of Refractory Metals and Hard Materials	88				2.794	10.1016/j.ijrmhm.2020.105192
711	Aramian A., Sadeghian Z., Prashanth K.G., Berto F.	In situ fabrication of TiC-NiCr cermets by selective laser melting	International Journal of Refractory Metals and Hard Materials	87				2.794	10.1016/j.ijrmhm.2019.105171
712	Jayakumar S., Nandakumar S.	A review on resource allocation techniques in D2D communication for 5G and B5G technology	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-00962-x
713	Vali Mohamad N.M., Ambastha P., Gautam S., Jain R., Subramaniam H., Muthukaruppan L.	Dynamic Sectorization and parallel processing for device-to-device (D2D) resource allocation in 5G and B5G cellular network	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-00949-8
714	Acharjya D.P., Ahmed N.S.S.	Tracing of online assaults in 5G networks using dominance based rough set and formal concept analysis	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-00983-6
715	Anilkumar C., Subramanian S.	A novel predicate based access control scheme for cloud environment using open stack swift storage	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-00961-y
716	Mohan D., Amalanathan G.M.	The efficacy of handoff strategy based spectrum allocation using TSB-MFO for D2D and CU communications	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-00935-0
717	Preethi D., Khare N.	Sparse auto encoder driven support vector regression based deep learning model for predicting network intrusions	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-00986-3
718	Bhardwaj A., Shah S.B.H., Shankar A., Alazab M., Kumar M., Gadekallu T.R.	Penetration testing framework for smart contract Blockchain	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-00991-6

719	Clement J.C., Indira N., Vijayakumar P., Nandakumar R.	Deep learning based modulation classification for 5G and beyond wireless systems	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-01003-3
720	Balachandran M., Vali Mohamad N.M.	Joint power optimization and scaled beamforming approach in B5G network based massive MIMO enabled HetNet with full-duplex small cells	Peer-to-Peer Networking and Applications					2.793	10.1007/s12083-020-00998-z
721	Venkatesan K., Devendiran S., Sachin D., Swaraj J.	Investigation of machinability characteristics and comparative analysis under different machining conditions for sustainable manufacturing	Measurement: Journal of the International Measurement Confederation	154				2.791	10.1016/j.measurement.2019.107425
722	Mahashar Ali J., Siddhi Jailani H., Murugan M.	Surface roughness evaluation of electrical discharge machined surfaces using wavelet transform of speckle line images	Measurement: Journal of the International Measurement Confederation	149				2.791	10.1016/j.measurement.2019.107029
723	Kumbhar S.G., Sudhagar P E., Desavale R.G.	Theoretical and experimental studies to predict vibration responses of defects in spherical roller bearings using dimension theory	Measurement: Journal of the International Measurement Confederation	161				2.791	10.1016/j.measurement.2020.107846
724	Shynu P.G., Nadesh R.K., Menon V.G., Venu P., Abbasi M., Khosravi M.R.	A secure data deduplication system for integrated cloud-edge networks	Journal of Cloud Computing	9	1			2.788	10.1186/s13677-020-00214-6
725	Varghese P.M., Tsolaki A.G., Yasmin H., Shastri A., Ferluga J., Vatish M., Madan T., Kishore U.	Host-pathogen interaction in COVID-19: Pathogenesis, potential therapeutics and vaccination strategies	Immunobiology	225	6			2.788	10.1016/j.imbio.2020.152008
726	Jose J., Srimuruganandam B.	Application of micro-morphology in the physical characterization of urban road dust	Particuology					2.787	10.1016/j.partic.2020.05.002
727	Balaji K., Lavanya K., Mary A.G.	Clustering algorithm for mixed datasets using density peaks and Self-Organizing Generative Adversarial Networks	Chemometrics and Intelligent Laboratory Systems	203				2.786	10.1016/j.chemolab.2020.104070

728	Musafargani S., Mishra S., Gulyás M., Mahalakshmi P., Archunan G., Padmanabhan P., Gulyás B.	Blood brain barrier: A tissue engineered microfluidic chip	Journal of Neuroscience Methods	331				2.785	10.1016/j.jneumeth.2019.108525
729	Sarma D., Das A., Bera U.K.	An optimal redistribution plan considering aftermath disruption in disaster management	Soft Computing	24	1	65	82	2.784	10.1007/s00500-019-04287-7
730	Hariharan S., Chikte K., Shankar T., Rajesh A., Fouziya Sulthana S.	Optimization of feedback bits using firefly algorithm for interference reduction in LTE femtocell networks	Soft Computing					2.784	10.1007/s00500-020-04871-2
731	Riyaz B., Ganapathy S.	A deep learning approach for effective intrusion detection in wireless networks using CNN	Soft Computing					2.784	10.1007/s00500-020-05017-0
732	Ramani R., Vimala Devi K., Ruba Soundar K.	MapReduce-based big data framework using modified artificial neural network classifier for diabetic chronic disease prediction	Soft Computing					2.784	10.1007/s00500-020-04943-3
733	Thangaramya K., Kulothungan K., Indira Gandhi S., Selvi M., Santhosh Kumar S.V.N., Arputharaj K.	Intelligent fuzzy rule-based approach with outlier detection for secured routing in WSN	Soft Computing					2.784	10.1007/s00500-020-04955-z
734	Sudha D., Priyadarshini J.	An intelligent multiple vehicle detection and tracking using modified vibe algorithm and deep learning algorithm	Soft Computing					2.784	10.1007/s00500-020-05042-z
735	Ezhilarasi A.A., Vijaya J.J., Kennedy L.J., Kaviyarasu K.	Green mediated NiO nano-rods using Phoenix dactylifera (Dates) extract for biomedical and environmental applications	Materials Chemistry and Physics	241				2.781	10.1016/j.matchemphys.2019.122419
736	Ethiraj A.S., Uttam P., K V., Chong K.F., Ali G.A.M.	Photocatalytic performance of a novel semiconductor nanocatalyst: Copper doped nickel oxide for phenol degradation	Materials Chemistry and Physics	242				2.781	10.1016/j.matchemphys.2019.122520

737	Rethinam S., Vijayan S., Aruni A.W., Basaran B., Alagumuthu T., Ramamoorthy R.	Enhanced tissue regeneration using an nano- bioactive scaffold- A novel perspective	Materials Chemistry and Physics	240				2.781	10.1016/j.matchemphys.2019.122303
738	Chakraborty D., Venkatesan M., Ethiraj K.R., Chandrasekaran N., Mukherjee A.	Development of thickness-tunable gold nanorods for anti-oxidant detection	Materials Chemistry and Physics	239				2.781	10.1016/j.matchemphys.2019.122295
739	Rethinam S., Basaran B., Vijayan S., Mert A., Bayraktar O., Aruni A.W.	Electrospun nano-bio membrane for bone tissue engineering application- a new approach	Materials Chemistry and Physics	249				2.781	10.1016/j.matchemphys.2020.123010
740	Mathews S.A., Babu D.R., Saravanan P., Hayakawa Y.	Microwave absorption studies of (Ba _{0.5} Sr _{0.5} Fe ₁₂ O ₁₉) _{1-x} /(NiFe ₂ O ₄) _x hard/soft ferrite nanocomposites	Materials Chemistry and Physics	252				2.781	10.1016/j.matchemphys.2020.123063
741	Nashine H.K., Ibrahim R.W., Arab R., Rabbani M.	Solvability of fractional dynamic systems utilizing measure of noncompactness	Nonlinear Analysis: Modelling and Control	25	4	618	637	2.780	10.15388/namc.2020.25.17896
742	Arun Kumar D., Babu R.S., Kalainathan S.	Growth and characterization of organic scintillation single crystal 1,1,4,4-Tetraphenyl-1,3-Butadiene (TPB) using vertical Bridgman technique	Optical Materials	109				2.779	10.1016/j.optmat.2020.110286
743	Keerthi L.R., Anand S., Kalainathan S., Jaikumar D.	Investigation on the growth, optical, electrical, thermal and third order NLO properties of 2-(4-methylbenzylidene) malononitrile (MBM) single crystal	Optical Materials	109				2.779	10.1016/j.optmat.2020.110216
744	Suriya M., Mani Maran M., Boaz B.M., Gunasekaran B., Kalainathan S., Murugesan K.S.	Crystal growth, structural, optical and piezoelectric investigations on novel B4AAT (bis-4-acetylanilinium tartrate): A phase matchable second and third-order NLO single crystal for optoelectronic and nonlinear optical device applications	Optical Materials	108				2.779	10.1016/j.optmat.2020.110042

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746	Nagarajan C., Sujatha R.A., Rahul K.M., Little Flower N.A., Vinitha G.	Optical nonlinearities of centrosymmetric pure and cerium doped calcium tungstate dumbbell shaped nanoparticles	Optical Materials	110				2.779	10.1016/j.optmat.2020.110512
747	Ganesan K., Naik G., Adapa D., Raj A.N.J., Alisetti S.N., Zhuang Z.	A supervised blood vessel segmentation technique for digital Fundus images using Zernike Moment based features	PLoS ONE	15	3			2.776	10.1371/journal.pone.0229831
748	Sudhakar S., Vijayakumar V., Sathiy Kumar C., Priya V., Ravi L., Subramaniaswamy V.	Unmanned Aerial Vehicle (UAV) based Forest Fire Detection and monitoring for reducing false alarms in forest-fires	Computer Communications	149		1	16	2.766	10.1016/j.comcom.2019.10.007
749	Wang C., Qin F., R. D.J.S.	Cloud assisted big data information retrieval system for critical data supervision in disaster regions	Computer Communications	151		548	555	2.766	10.1016/j.comcom.2019.11.028
750	Sekaran K., Sudha M.	Predicting drug responsiveness with deep learning from the effects on gene expression of Obsessive-Compulsive Disorder affected cases	Computer Communications	151		386	394	2.766	10.1016/j.comcom.2019.12.049
751	Vimal S., Khari M., Dey N., Crespo R.G., Harold Robinson Y.	Enhanced resource allocation in mobile edge computing using reinforcement learning based MOACO algorithm for IIOT	Computer Communications	151		355	364	2.766	10.1016/j.comcom.2020.01.018
752	Vuppala B., P. S.	Software defined network using enhanced workflow scheduling in surveillance	Computer Communications	151		196	201	2.766	10.1016/j.comcom.2019.12.064
753	Suganya P., C.H. P.R.	LNR-PP: Leaf Node Count and RSSI Based Parent Prediction Scheme to Support QoS in Presence of Mobility in 6LoWPAN	Computer Communications	150		472	487	2.766	10.1016/j.comcom.2019.12.012

754	Thirumalai C., Mohan S., Srivastava G.	An efficient public key secure scheme for cloud and IoT security	Computer Communications	150		634	643	2.766	10.1016/j.comcom.2019.12.015
755	Anbarasan M., Muthu B., Sivaparthipan C.B., Sundarasekar R., Kadry S., Krishnamoorthy S., Samuel R.D.J., Dasel A.A.	Detection of flood disaster system based on IoT, big data and convolutional deep neural network	Computer Communications	150		150	157	2.766	10.1016/j.comcom.2019.11.022
756	Sangaiah A.K., Dhanaraj J.S.A., Mohandas P., Castiglione A.	Cognitive IoT system with intelligence techniques in sustainable computing environment	Computer Communications	154		347	360	2.766	10.1016/j.comcom.2020.02.049
757	G. T.R., R.M. S.P., Parimala M., Chowdhary C.L., M. P.K.R., Hakak S., Khan W.Z.	A deep neural networks based model for uninterrupted marine environment monitoring	Computer Communications	157		64	75	2.766	10.1016/j.comcom.2020.04.004
758	Maddikunta P.K.R., Gadekallu T.R., Kaluri R., Srivastava G., Parizi R.M., Khan M.S.	Green communication in IoT networks using a hybrid optimization algorithm	Computer Communications	159		97	107	2.766	10.1016/j.comcom.2020.05.020
759	Swarna Priya R.M., Maddikunta P.K.R., Parimala M., Koppu S., Gadekallu T.R., Chowdhary C.L., Alazab M.	An effective feature engineering for DNN using hybrid PCA-GWO for intrusion detection in IoMT architecture	Computer Communications	160		139	149	2.766	10.1016/j.comcom.2020.05.048
760	Rao R.N., Panchangam R.L., Manickam V., Balamurali M.M., Chanda K.	Synthesis and Antitumor Activity Evaluation of Cyclometalated 2H-Indazole Ruthenium(II) and Iridium(III) Complexes	ChemPlusChem	85	8	1800	1812	2.753	10.1002/cplu.202000516
761	Francy N., Shanthakumar S., Chiampo F., Sekhar Y.R.	Remediation of lead and nickel contaminated soil using nanoscale zero-valent iron (Nzvi) particles synthesized using green leaves: First results	Processes	8	11	1	12	2.753	10.3390/pr8111453

762	Saravanakumar M., Chandrasekaran J., Krishnakumar M., Babu B., Vinitha G., Anis M.	Experimental and quantum chemical studies on SHG, Z-scan and optical limiting investigation of 2-amino-5-bromopyridinium trifluoroacetate single crystal for optoelectronic applications	Journal of Physics and Chemistry of Solids	136				2.752	10.1016/j.jpics.2019.109133
763	Umamaheswari J., Shanthakumar S.	Paddy-soaked rice mill wastewater treatment by phycoremediation and feasibility study on use of algal biomass as biofertilizer	Journal of Chemical Technology and Biotechnology					2.750	10.1002/jctb.6551
764	Waman W., Harish R.	Influence of volume blockage ratio on turbulent buoyant plume dispersion in mixed ventilated tunnel	Journal of Wind Engineering and Industrial Aerodynamics	207				2.739	10.1016/j.jweia.2020.104397
765	Sinha A., Eniyan K., Manohar P., Ramesh N., Bajpai U.	Characterization and genome analysis of B1 sub-cluster mycobacteriophage PDRPxv	Virus Research	279				2.736	10.1016/j.virusres.2020.197884
766	Rama M., Vijayalakshmi U.	Influence of silk fibroin on the preparation of nanofibrous scaffolds for the effective use in osteoregenerative applications	Journal of Drug Delivery Science and Technology					2.734	10.1016/j.jddst.2020.102182
767	Franklyne J.S., Ebenazer L A., Mukherjee A., Chandrasekaran N.	Role of triclosan microemulsion against triclosan resistant clones of bacterial pathogens	Journal of Drug Delivery Science and Technology					2.734	10.1016/j.jddst.2020.102158
768	Ganesh R.A., Venkataraman K., Sirdeshmukh R.	GPR56: An adhesion GPCR involved in brain development, neurological disorders and cancer	Brain Research	1747				2.733	10.1016/j.brainres.2020.147055
769	Basha H.T., Sivaraj R., Prasad V.R., Beg O.A.	Entropy generation of tangent hyperbolic nanofluid flow over a circular cylinder in the presence of nonlinear Boussinesq approximation: a non-similar solution	Journal of Thermal Analysis and Calorimetry					2.731	10.1007/s10973-020-09981-5

770	Madhavi K., Prasad V.R., Gaffar S.A.	Darcy flow of polymer from an inclined plane with convective heat transfer analysis: a numerical study	Journal of Thermal Analysis and Calorimetry					2.731	10.1007/s10973-020-09942-y
771	Shinde B.J., Karunamurthy K., Ismail S.	Thermodynamic analysis of gasoline-fueled electronic fuel injection digital three-spark ignition (EFI-DTSl) engine	Journal of Thermal Analysis and Calorimetry					2.731	10.1007/s10973-020-10120-3
772	Basir M.F.M., Mabood F., Satya Narayana P.V., Venkateswarlu B., Ismail A.I.M.	Significance of viscous dissipation on the dynamics of ethylene glycol conveying diamond and silica nanoparticles through a diverging and converging channel	Journal of Thermal Analysis and Calorimetry					2.731	10.1007/s10973-020-10335-4
773	Manickam R., Yesuraj J., Biswas K.	Doped CuCrO ₂ : A possible material for supercapacitor applications	Materials Science in Semiconductor Processing	109				2.722	10.1016/j.mssp.2020.104928
774	Shukla M., Banik S., Pandey R.K., Upadhyay C.	Role of chemical pressure on optical and electronic structure of Ho ₂ GexTi _{2-x} O ₇	Journal of Physics Condensed Matter	32	11			2.711	10.1088/1361-648X/ab59f3
775	Basha C.H., Rani C.	Different conventional and soft computing MPPT techniques for solar PV systems with high step-up boost converters: A comprehensive analysis	Energies	13	2			2.707	10.3390/en13020371
776	Perumal A.S., Kamaraj J.	Coordinated control of Aichi microgrid for efficient power management using novel set point weighting iterative learning controller	Energies	13	3			2.707	10.3390/en13030751
777	Kumar G.K., Parimalasundar E., Elangovan D., Sanjeevikumar P., Lannuzzo F., Holm-Nielsen J.B.	Fault investigation in cascaded H-bridge multilevel inverter through fast fourier transform and artificial neural network approach	Energies	13	6			2.707	10.3390/en13061299

778	Devaraj E., Joseph P.K., Rajagopal T.K.R., Sundaram S.	Renewable energy powered plugged-in hybrid vehicle charging system for sustainable transportation	Energies	13	8			2.707	10.3390/en13081944
779	Naveen J., Jayakrishna K., Hameed Sultan M.T.B., Amir S.M.M.	Ballistic Performance of Natural Fiber Based Soft and Hard Body Armour- A Mini Review	Frontiers in Materials	7				2.705	10.3389/fmats.2020.608139
780	Rukmani D.K., Thangaraj Y., Subramaniam U., Ramachandran S., Elavarasan R.M., Das N., Baringo L., Rasheed M.I.A.	A new approach to optimal location and sizing of DSTATCOM in radial distribution networks using bio-inspired cuckoo search algorithm	Energies	13	18			2.702	10.3390/en13184615
781	Sureshkumar N., Bhat S., Srinivasan S., Gnanasundaram N., Thanapalan M., Krishnamoorthy R., Abuhimd H., Ahmed F., Show P.L.	Continuous phenol removal using a liquid–solid circulating fluidized bed	Energies	13	15			2.702	10.3390/en13153839
782	Srinivasan M.K., Lionel F.D.J., Subramaniam U., Blaabjerg F., Elavarasan R.M., Shafiullah G.M., Khan I., Padmanaban S.	Real-time processor-in-loop investigation of a modified non-linear state observer using sliding modes for speed sensorless induction motor drive in electric vehicles	Energies	13	6			2.702	10.3390/en13164212
783	Gil-González W., Montoya O.D., Rajagopalan A., Grisales-Noreña L.F., Hernández J.C.	Optimal selection and location of fixed-step capacitor banks in distribution networks using a discrete version of the vortex search algorithm	Energies	13	18			2.702	10.3390/en13184914
784	Sudhakar C., Suresh J., Valarmathi N., Sumathi S., Karthikeyan A., Arun A.	Synthesis, characterization of acrylate polymer having chalcone moiety: evaluation of antimicrobial, anticancer and drug release study	Journal of Biomaterials Science, Polymer Edition					2.690	10.1080/09205063.2020.1841364

785	Hu Q., Shen Z., Zhang H., Liu S., Feng R., Feng J., Ramalingam M.	Designed and fabrication of triple-layered vascular scaffold with microchannels	Journal of Biomaterials Science, Polymer Edition					2.69	10.1080/09205063.2020.1864083
786	Divya R., Manikandan N., Sabari Girisun T.C., Vinitha G.	Investigations on the structural, morphological, linear and third order nonlinear optical properties of manganese doped zinc selenide nanoparticles for optical limiting application	Optical Materials	100				2.687	10.1016/j.optmat.2019.109641
787	Era P., Jauhar R.M., Murugakoothan P.	Optimization of growth parameters and investigations on the physico-chemical properties of an organometallic guanidinium chromate single crystal for nonlinear optical and optical limiting applications	Optical Materials	99				2.687	10.1016/j.optmat.2019.109558
788	Hegde T.A., Dutta A., Jauhar R.O.M., Karuppasamy P., Pandian M.S., Abith M., Girisun T.C.S., Vinitha G.	Physicochemical properties of cesium tetroxalate dihydrate single crystal: An efficient material for nonlinear optical applications	Optical Materials	107				2.687	10.1016/j.optmat.2020.110033
789	Raj S.S., Rajan P.I., Ghosh N., Mahalakshmi S., Chattopadhyay M.K., Navamathavan R.	Physical properties and electronic structure of YbFe ₂ As ₂	Journal of Magnetism and Magnetic Materials	493				2.683	10.1016/j.jmmm.2019.165736
790	Odumpatta R., Arumugam M.	Integrative Analysis of Gene Expression and Regulatory Network Interaction Data Reveals the Protein Kinase C Family of Serine/Threonine Receptors as a Significant Druggable Target for Parkinson's Disease	Journal of Molecular Neuroscience					2.678	10.1007/s12031-020-01669-7
791	Soni S.K., Thomas B., Kar V.R.	A Comprehensive Review on CNTs and CNT-Reinforced Composites: Syntheses, Characteristics and Applications	Materials Today Communications	25				2.678	10.1016/j.mtcomm.2020.101546

792	Natrayan L., Senthil Kumar M.	An integrated artificial neural network and Taguchi approach to optimize the squeeze cast process parameters of AA6061/Al ₂ O ₃ /SiC/Gr hybrid composites prepared by novel encapsulation feeding technique	Materials Today Communications	25				2.678	10.1016/j.mtcomm.2020.101586
793	Chetan, Vijayalakshmi U.	Structural phase formation and in vitro bioactivity evaluations of strontium phosphosilicate for orthopedic applications	Journal of Biomedical Materials Research - Part B Applied Biomaterials					2.674	10.1002/jbm.b.34665
794	Joglekar M.M., Ghosh D., Anandan D., Yatham P., Jayant R.D., Nambiraj N.A., Jaiswal A.K.	Crosslinking of gum-based composite scaffolds for enhanced strength and stability: A comparative study between sodium trimetaphosphate and glutaraldehyde	Journal of Biomedical Materials Research - Part B Applied Biomaterials					2.674	10.1002/jbm.b.34640
795	Sanyal A., Antony R., Ganesan P., Thamban M.	Metabolic activity and bioweathering properties of yeasts isolated from different supraglacial environments of Antarctica and Himalaya	Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology					2.674	10.1007/s10482-020-01496-1
796	Soman S.M., Rekha C.R.P., Santhakumar H., Narendrakumar U., Jayasree R.S.	Semi-Supervised Nonnegative Matrix Factorization of Wide-Field Fluorescence Microscopic Images for Tissue Diagnosis	Microscopy and Microanalysis					2.673	10.1017/S1431927620001403
797	Jabarullah N.H., Geetha E., Arun M., Vakhnina V.	Design, analysis, and implementation of a new high step-up DC–DC converter with low input current ripple and ultra-high-voltage conversion ratio	IET Power Electronics	13	15	3243	3253	2.672	10.1049/iet-pel.2020.0256

798	Samuel V.J., Keerthi G., Mahalingam P.	Non-isolated DC-DC converter with cubic voltage gain and ripple-free input current	IET Power Electronics	13	16	3675	3685	2.672	10.1049/iet-pel.2020.0131
799	Deebak B.D., Al-Turjman F., Mostarda L.	Seamless secure anonymous authentication for cloud-based mobile edge computing	Computers and Electrical Engineering	87				2.663	10.1016/j.compeleceng.2020.106782
800	Koppu S., Maddikunta P.K.R., Srivastava G.	Deep learning disease prediction model for use with intelligent robots	Computers and Electrical Engineering	87				2.663	10.1016/j.compeleceng.2020.106765
801	Meena Devi R., Premalatha L.	Analysis of bridgeless converter model for power factor correction	Computers and Electrical Engineering	87				2.663	10.1016/j.compeleceng.2020.106785
802	Borthakur A., D Prabhu Y., Valsala Gopalakrishnan A.	Role of IL-6 signalling in Polycystic Ovarian Syndrome associated inflammation	Journal of Reproductive Immunology	141				2.654	10.1016/j.jri.2020.103155
803	Choudhary R., Venkatraman S.K., Bulygina I., Senatov F., Kaloshkin S., Swamiappan S.	Designing of porous PMMA/diopside bone cement for non-load bearing applications	Journal of Asian Ceramic Societies			1	11	2.653	10.1080/21870764.2020.1793476
804	Choudhary R., Venkatraman S.K., Bulygina I., Chatterjee A., Abraham J., Senatov F., Kaloshkin S., Ilyasov A., Abakumov M., Knyazeva M., Kukui D., Walther F., Swamiappan S.	Impact of forsterite addition on mechanical and biological properties of composites	Journal of Asian Ceramic Societies					2.653	10.1080/21870764.2020.1807695
805	Rani B., Sahu N.K.	Electrochemical properties of CoFe ₂ O ₄ nanoparticles and its rGO composite for supercapacitor	Diamond and Related Materials	108				2.650	10.1016/j.diamond.2020.107978
806	Bhardwaj P., Singh S., Kharangarh P.R., Grace A.N.	Surfactant decorated polypyrrole-carbon materials composites electrodes for supercapacitor	Diamond and Related Materials	108				2.650	10.1016/j.diamond.2020.107989
807	Sitaaraman S.R., Santhosh R., Kollu P., Jeong S.K., Sellappan R., Raghavan V., Jacob G., Grace A.N.	Role of graphene in NiSe ₂ /graphene composites - Synthesis and testing for electrochemical supercapacitors	Diamond and Related Materials	108				2.650	10.1016/j.diamond.2020.107983

808	Rajasekaran S.J., Raghavan V.	Facile synthesis of activated carbon derived from Eucalyptus globulus seed as efficient electrode material for supercapacitors	Diamond and Related Materials	109				2.650	10.1016/j.diamond.2020.108038
809	Ratnaji T., Kennedy L.J.	Hierarchical porous carbon derived from tea waste for energy storage applications: Waste to worth	Diamond and Related Materials	110				2.650	10.1016/j.diamond.2020.108100
810	Bora P.J., Suresh Kumar T.R., Tan D.Q.	Enhancement of microwave absorption bandwidth of MXene nanocomposites through macroscopic design: RL bandwidth of MXene nanocomposites	Royal Society Open Science	7	8			2.647	10.1098/rsos.200456rsos200456
811	Devulapalli L., Kothandaraman S., Sarang G.	Microstructural characterisation of reclaimed asphalt pavement with rejuvenators	International Journal of Pavement Engineering			1	12	2.646	10.1080/10298436.2020.1788027
812	Vasanth W.B., Kandasamy I., Smarandache F.	Neutrosophic components semigroups and multiset neutrosophic components semigroups	Symmetry	12	5			2.645	10.3390/SYM12050818
813	Mishra K., Kandasamy I., Vasanth Kandasamy W.B., Smarandache F.	A novel framework using neutrosophy for integrated speech and text sentiment analysis	Symmetry	12	10	1	22	2.645	10.3390/sym12101715
814	Chen Y.-S., Sangaiah A.K., Chen S.-F., Huang H.-C.	Applied identification of industry data science using an advanced multi-componential discretization model	Symmetry	12	10	1	28	2.645	10.3390/sym12101620
815	Asogbon M.G., Samuel O.W., Jiang Y., Wang L., Geng Y., Sangaiah A.K., Chen S., Fang P., Li G.	Appropriate feature set and window parameters selection for efficient motion intent characterization towards intelligently smart emg-pr system	Symmetry	12	10	1	20	2.645	10.3390/sym12101710
816	Wu J., Sangaiah A.K., Gao W.	Graph learning-based ontology sparse vector computing	Symmetry	12	9			2.645	10.3390/SYM12091562

817	Nahid T., Alam P., Choi J.	Truncated-exponential-based appell-type Changhee polynomials	Symmetry	12	10			2.645	10.3390/SYM12101588
818	Addagarla S.K., Amalanathan A.	Probabilistic unsupervised machine learning approach for a similar image recommender system for E-commerce	Symmetry	12	11	1	17	2.645	10.3390/sym12111783
819	Nandini G.K., Rajan R.S., Shantrinal A.A., Rajalaxmi T.M., Rajasingh I., Balasubramanian K.	Topological and thermodynamic entropy measures for covid-19 pandemic through graph theory	Symmetry	12	12	1	29	2.645	10.3390/sym12121992
820	Chutani M., Rao N., Nirmal Thyagu N., Gupte N.	Characterizing the complexity of time series networks of dynamical systems: A simplicial approach	Chaos	30	1			2.643	10.1063/1.5100362
821	Naha A., Kumar Miryala S., Debroy R., Ramaiah S., Anbarasu A.	Elucidating the multi-drug resistance mechanism of Enterococcus faecalis V583: A gene interaction network analysis	Gene	748				2.638	10.1016/j.gene.2020.144704
822	Sudha S., Jayaprakash P., Thaya Kumari C.R., Nageshwari M., Vinitha G., Raman R.G., Caroline M.L.	Growth and characterization of Catena-((μ 4-dihydrogen oxalate)-bis(μ 3-hydrogen oxalato)-(μ 2-dihydrogen oxalate)-tetra-aqua-di-rubidium) $\{Rb(HC_2O_4)(H_2C_2O_4)(H_2O)_2\}_1\infty$ single crystal for nonlinear optical applications	Chinese Journal of Physics	67		37	51	2.638	10.1016/j.cjph.2019.08.017
823	Divya Bharathi M., Bhuvaneswari R., Ahila G., Vinitha G., Anbalagan G.	Synthesis, vibrational, thermal, mechanical and third-order nonlinear optical properties of sodium 4-methyl-3-nitrobenzoate monohydrate crystal for optical limiting applications ☆	Chinese Journal of Physics	67		1	26	2.638	10.1016/j.cjph.2019.12.019
824	Wakif A., Animasaun I.L., Satya Narayana P.V., Sarojamma G.	Meta-analysis on thermo-migration of tiny/nano-sized particles in the motion of various fluids	Chinese Journal of Physics	68		293	307	2.638	10.1016/j.cjph.2019.12.002

825	Siva V., Shameem A., Murugan A., Athimoolam S., Viniitha G., Bahadur S.A.	Structural, thermal and electro-optical properties of guanidine based Metal-Organic Framework (MOF)	Chinese Journal of Physics	68		764	777	2.638	10.1016/j.cjph.2020.09.036
826	Murad M.A., Khan A.L., Muneer S.	Silicon in horticultural crops: Crosstalk, signaling, and tolerance mechanism under salinity stress	Plants	9	4			2.632	10.3390/plants9040460
827	Karakoti A., Aseer J.R., Dasan P.K., Rajesh M.	Micro Cellulose Grewia Optiva Fiber-reinforced Polymer Composites: Relationship between Structural and Mechanical Properties	Journal of Natural Fibers					2.622	10.1080/15440478.2020.1800549
828	Antham Veettil A., Dharmarajan Thayyil A., Thamba N.B., Mangalaraja R.V.	Study on Flexural Properties of Lotus, Eucalyptus Composites Reinforced with Epoxy and E-glass Fibers in Different Orientations	Journal of Natural Fibers					2.622	10.1080/15440478.2020.1838991
829	krishnasamy P., Rajamurugan G., Aravindraj S., Sudhagar P.E.	Vibration and Wear Characteristics of Aloe vera/Flax/Hemp Woven Fiber Epoxy Composite Reinforced with Wire Mesh and BaSO4	Journal of Natural Fibers					2.622	10.1080/15440478.2020.1835782
830	Loganathan T., Vinoth Kumar K., Ayyappa K., Mahendran G., Venkatachalam G.	Mechanical and Vibrational Property Evaluation of Banana Fiber Epoxy Sandwich Composite with Steel Wire Mesh Core	Journal of Natural Fibers					2.622	10.1080/15440478.2020.1848744
831	Kumar S.K.S., Jebastin Rajwin A., Vasanth Kumar D., Balaji J., Prakash C.	A Study of the Thermo-physiological Comfort Properties of Fabrics treated with Neem and Bermuda grass Herbal Finishes	Journal of Natural Fibers					2.622	10.1080/15440478.2020.1863293
832	Natarajan G., Rajan T.P., Das S.	Application of Sustainable Textile Finishing Using Natural Biomolecules	Journal of Natural Fibers					2.622	10.1080/15440478.2020.1857895

833	Anbarasu A., Ramaiah S., Livingstone P.	Vaccine repurposing approach for preventing COVID 19: can MMR vaccines reduce morbidity and mortality?	Human Vaccines and Immunotherapeutics					2.619	10.1080/21645515.2020.1773141
834	Vali K.S., Bala Murugan S.	Effect of different binders on cold-bonded artificial lightweight aggregate properties	Advances in Concrete Construction	9	2	183	193	2.618	10.12989/acc.2020.9.2.183
835	Bhati M., D. Prabhu Y., Renu K., Vellingiri B., Thiagarajan P., Panda A., Chakraborty R., Myakala H., Valsala Gopalakrishnan A.	Role of TGF- β signalling in PCOS associated focal segmental glomerulosclerosis	Clinica Chimica Acta	510		244	251	2.615	10.1016/j.cca.2020.07.032
836	WANG P., ECKERT J., PRASHANTH K.-G., WU M.-W., KABAN I., XI L.-X., SCUDINO S.	A review of particulate-reinforced aluminum matrix composites fabricated by selective laser melting	Transactions of Nonferrous Metals Society of China (English Edition)	30	8	2001	2034	2.615	10.1016/S1003-6326(20)65357-2
837	Vijayakumar S., Vinayagam R., Anand M.A.V., Venkatachalam K., Saravanakumar K., Wang M.-H., Casimeer C S., KM G., David E.	Green synthesis of gold nanoparticle using Eclipta alba and its antidiabetic activities through regulation of Bcl-2 expression in pancreatic cell line	Journal of Drug Delivery Science and Technology	58				2.606	10.1016/j.jddst.2020.101786
838	El haddad N., Rajendran K., Smouni A., Es-Safi N.E., Benbrahim N., Mentag R., Nayyar H., Maalouf F., Kumar S.	Screening the FIGS set of lentil (<i>Lens culinaris Medikus</i>) germplasm for tolerance to terminal heat and combined drought-heat stress	Agronomy	10	7			2.603	10.3390/agronomy10071036
839	Harshanand B.A., Sangaiah A.K.	Comprehensive Analysis of Deep Learning Methodology in Classification of Leukocytes and Enhancement Using Swish Activation Units	Mobile Networks and Applications					2.602	10.1007/s11036-020-01614-3

840	Varsha S.S.V., Soomro A.F., Baig Z.T., Vuppaladadiyam A.K., Murugavelh S., Antunes E.	Methane production from anaerobic mono- and co-digestion of kitchen waste and sewage sludge: synergy study on cumulative methane production and biodegradability	Biomass Conversion and Biorefinery					2.602	10.1007/s13399-020-00884-x
841	Rajkumar P., Somasundaram M.	Non-isothermal conversion of wheat husk and low-density polyethylene for energy dense fuel production	Biomass Conversion and Biorefinery					2.602	10.1007/s13399-020-00951-3
842	Muniappan S.K., Bragadeshwaran A., Kasianantham N., Rajasekar V., Chinnadurai K., Balusamy S., Ibrahim M.I.M.	Development of biofuel from Nigella sativa biomass and its suitability for energy application	Biomass Conversion and Biorefinery					2.602	10.1007/s13399-020-01118-w
843	Chan H.-P., Xu L., Liu H.-H., Zhang R.-T., Sangaiah A.K.	System Design of Cloud Search Engine Based on Rich Text Content	Mobile Networks and Applications					2.602	10.1007/s11036-020-01676-3
844	Kumar A.N., Ashok B., Nanthagopal K., Ong H.C., Geca M.J., Victor J., Vignesh R., Jeevanantham A.K., Kannan C., Kishore P.S.	Experimental analysis of higher alcohol-based ternary biodiesel blends in CI engine parameters through multivariate and desirability approaches	Biomass Conversion and Biorefinery					2.602	10.1007/s13399-020-01134-w
845	Gupta B.S., Das P.	Plastic instabilities and yielding in amorphous solids under pure shear	Journal of Non-Crystalline Solids	536				2.600	10.1016/j.jnoncrysol.2020.119997
846	Ch R., Gadekallu T.R., Abidi M.H., Al-Ahmari A.	Computational system to classify Cyber Crime offenses using machine learning	Sustainability (Switzerland)	12	10			2.592	10.3390/SU12104087
847	Kumar A.P., Shankar S.G., Reddy Maddikunta P.K., Gadekallu T.R., Al-Ahmari A., Abidi M.H.	Location based business recommendation using spatial demand	Sustainability (Switzerland)	12	10			2.592	10.3390/su12104124

848	Sundaram D.M., Loganathan A.	A New Supervised Clustering Framework Using Multi Discriminative Parts and Expectation–Maximization Approach for a Fine-Grained Animal Breed Classification (SC-MPEM)	Neural Processing Letters					2.591	10.1007/s11063-020-10246-3
849	Tiwari N., Ebenazer A., Franklyne J.S., Sivakumar A., Mukherjee A., Chandrasekaran N.	Drug loaded essential oil microemulsions enhance photostability and evaluation of in vitro efficacy	Photodiagnosis and Photodynamic Therapy	29				2.589	10.1016/j.pdpdt.2019.101638
850	Novanna M., Kannadasan S., Shanmugam P.	Microwave-Assisted N-Allylation/Homoallylation-RCM Approach: Access to Pyrrole-, Pyridine-, or Azepine-Appended (Het)aryl Aminoamides	ACS Omega					2.584	10.1021/acsomega.9b04038
851	Nisha S., Senthil Kumar A.	π -Self-Assembly of a Coronene on Carbon Nanomaterial-Modified Electrode and Its Symmetrical Redox and H ₂ O ₂ Electrocatalytic Reduction Functionalities	ACS Omega					2.584	10.1021/acsomega.0c01258
852	Fatima R., Priya M., Indurthi L., Radhakrishnan V., Sudhakaran R.	Biosynthesis of silver nanoparticles using red algae <i>Portieria hornemannii</i> and its antibacterial activity against fish pathogens	Microbial Pathogenesis	138				2.581	10.1016/j.micpath.2019.103780
853	Divya M., Govindarajan M., Karthikeyan S., Preetham E., Alharbi N.S., Kadaikunnan S., Khaled J.M., Almanaa T.N., Vaseeharan B.	Antibiofilm and anticancer potential of β -glucan-binding protein-encrusted zinc oxide nanoparticles	Microbial Pathogenesis	141				2.581	10.1016/j.micpath.2020.103992

854	Divya M., Karthikeyan S., Ravi C., Govindarajan M., Alharbi N.S., Kadaikunnan S., Khaled J.M., Almanaa T.N., Vaseeharan B.	Isolation of β -glucan from <i>Eleusine coracana</i> and its antibiofilm, antidiabetic, antioxidant, and biocompatible activities	Microbial Pathogenesis	140				2.581	10.1016/j.micpath.2019.103955
855	Debroy R., Miryala S.K., Naha A., Anbarasu A., Ramaiah S.	Gene interaction network studies to decipher the multi-drug resistance mechanism in <i>Salmonella enterica</i> serovar Typhi CT18 reveal potential drug targets	Microbial Pathogenesis	142				2.581	10.1016/j.micpath.2020.104096
856	Mangrolia U., Osborne W.J.	<i>Staphylococcus xylosum</i> VITURAJ10: Pyrrolo [1,2 α] pyrazine-1,4-dione, hexahydro-3-(2-methylpropyl) (PPDHMP) producing, potential probiotic strain with antibacterial and anticancer activity	Microbial Pathogenesis	147				2.581	10.1016/j.micpath.2020.104259
857	Srinivasan E., Rajasekaran R.	A Systematic and Comprehensive Review on Disease-Causing Genes in Amyotrophic Lateral Sclerosis	Journal of Molecular Neuroscience					2.577	10.1007/s12031-020-01569-w
858	Su J., Chu X., Kadry S., Rajkumar S.	Internet-of-things-assisted smart system 4.0 framework using simulated routing procedures	Sustainability (Switzerland)	12	15			2.576	10.3390/su12156119
859	Selvaraj T., Srinivasan V., Raneri S., Fernando M., Kakria K., Jayasingh S.	Response of organic lime mortars to thermal and electrical shocks due to lightning strikes	Sustainability (Switzerland)	12	17			2.576	10.3390/su12177181
860	AnjiReddy K., Karpagam S.	In Vitro and In Vivo Evaluation of Oral Disintegrating Nanofiber and Thin-Film Contains Hyperbranched Chitosan/Donepezil for Active Drug Delivery	Journal of Polymers and the Environment					2.572	10.1007/s10924-020-01937-y

861	Rajshekar K., Hsu H.-H., Kumar K.U.M., Sathyanarayanan P., Velmurugan V., Cheng C.-H., Kannadassan D.	Physical Modeling of p-Type Fluorinated Al-Doped Tin-Oxide Thin Film Transistors	IEEE Journal of the Electron Devices Society	8		948	958	2.555	10.1109/JEDS.2020.3018463
862	Rai N., Mahajan A., Saha D., Ganguly S.	Efficient modeling of barrier resistance for an improved lumped element model of GaN-Based MIS-HEMT gate stack	IEEE Journal of the Electron Devices Society	8		1145	1153	2.555	10.1109/JEDS.2020.3025176
863	Pown M., Lakshmi B.	Investigation of Radiation Hardened TFET SRAM Cell for Mitigation of Single Event Upset	IEEE Journal of the Electron Devices Society	8		1397	1403	2.555	10.1109/JEDS.2020.3002265
864	Pradhan B., Vijayakumar V., Pratihar S., Kumar D., Reddy K.H.K., Roy D.S.	A genetic algorithm based energy efficient group paging approach for IoT over 5G	Journal of Systems Architecture					2.552	10.1016/j.sysarc.2020.101878
865	Patel T.N., Priyanka R., Vashi Y., Bhattacharya P.	Toxic impacts and industrial potential of graphene	Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis	38	3	269	297	2.552	10.1080/26896583.2020.1812335
866	Chakravarthi K.K., Shyamala L.	TOPSIS inspired Budget and Deadline Aware Multi-Workflow Scheduling for Cloud computing	Journal of Systems Architecture					2.552	10.1016/j.sysarc.2020.101916
867	Unni P A., Sudhakaran S.L., Pillai G.G.	Review on druggable targets of key age associated properties regulated by therapeutic agents	Chemical Biology and Drug Design					2.548	10.1111/cbdd.13759
868	Joshi J.H., Vadhel K.V., Joshi G.M., Kalainathan S., Joshi M.J., Jethva H.O., Parikh K.D.	Growth and characterization of pure and picric acid doped ADP single crystals	Chinese Journal of Physics	64		138	162	2.544	10.1016/j.cjph.2019.12.023
869	Saikrithika S., Senthil Kumar A.	Electrochemical Detections of Tea Polyphenols: A Review	Electroanalysis					2.544	10.1002/elan.202060061

870	Murphy M., Theyagarajan K., Thenmozhi K., Senthilkumar S.	Quaternary Ammonium Based Carboxyl Functionalized Ionic Liquid for Covalent Immobilization of Horseradish Peroxidase and Development of Electrochemical Hydrogen Peroxide Biosensor	Electroanalysis					2.544	10.1002/elan.202060240
871	Mathew V.K., Hotta T.K.	Experimental investigation of substrate board orientation effect on the optimal distribution of IC chips under forced convection	Experimental Heat Transfer					2.543	10.1080/08916152.2020.1793827
872	Maoyafikuddin M., Pundir M., Thaokar R.	Starch aided synthesis of giant unilamellar vesicles	Chemistry and Physics of Lipids	226				2.536	10.1016/j.chemphyslip.2019.104834
873	Arul Prakash S., Kamlekar R.K.	Characterization of the molecular packing, thermotropic phase behaviour and critical micellar concentration of a homologous series of N-acyltaurines (n = 9–18). PXRD, DSC and fluorescence spectroscopic studies	Chemistry and Physics of Lipids	230				2.536	10.1016/j.chemphyslip.2020.104929
874	Ramar N., Meher S.R., Ranganathan V., Perumal B., Kumar P., Anto G.J., Etti S.H.	Objective function based ranking method for selection of optimal beam angles in IMRT	Physica Medica	69		44	51	2.532	10.1016/j.ejmp.2019.11.020
875	Bavithra G., Azevedo J., Oliveira F., Morais J., Pinto E., Ferreira I.M.P.L.V.O., Vasconcelos V., Campos A., Almeida C.M.R.	Assessment of constructed wetlands' potential for the removal of cyanobacteria and microcystins (MC-LR)	Water (Switzerland)	12	1			2.524	10.3390/w12010010
876	Janeesh G.M., Meera V., Shalom A.M., Rajan Babu D., Nambi Raj N.A., Sreekanth M.S., Siva V.S., Sumangala T.P.	Enhanced electrical conductivity and structural, mechanical characterization of standalone poly(vinyl alcohol)-graphite nanoplatelets composite films	Journal of Applied Polymer Science					2.520	10.1002/app.49976

877	Liu S., Huo Z., Zhang H., Hu Q., Ramalingam M.	3D printing-assisted combinatorial approach for designing mechanically-tunable and vascular supportive nanofibrous membranes to repair perforated eardrum	Journal of Applied Polymer Science					2.520	10.1002/app.50132
878	Ranganathan V., Srinivasan S., Singh A., DeRosa M.C.	An aptamer-based colorimetric lateral flow assay for the detection of human epidermal growth factor receptor 2 (HER2)	Analytical Biochemistry	588				2.507	10.1016/j.ab.2019.113471
879	Sokkalingam R., Tarraste M., Surreddi K.B., Mikli V., Muthupandi V., Sivaprasad K., Prashanth K.G.	Powder metallurgy of Al _{0.1} CoCrFeNi high-entropy alloy	Journal of Materials Research					2.502	10.1557/jmr.2020.272
880	Gao W., Silambarasan R., Baskonus H.M., Anand R.V., Rezazadeh H.	Periodic waves of the non dissipative double dispersive micro strain wave in the micro structured solids	Physica A: Statistical Mechanics and its Applications					2.500	10.1016/j.physa.2019.123772
881	Dhamodharan P., Arumugam M.	Multiple Gene Expression Dataset Analysis Reveals Toll-Like Receptor Signaling Pathway is Strongly Associated With Chronic Obstructive Pulmonary Disease Pathogenesis	COPD: Journal of Chronic Obstructive Pulmonary Disease					2.500	10.1080/15412555.2020.1793314
882	Muthuvel K., Karthik S., Gandhi T.	DBU-Promoted α -Acylation of 2-Oxindoles through Acyl C–C bond Cleavage: Imidazolium Salts as an Emerging Acylating Agent	Asian Journal of Organic Chemistry					2.496	10.1002/ajoc.202000139
883	Yelamasetti B., G R., G V.R., B S.B., Vemanaboina H.	Comparison of metallurgical and mechanical properties of dissimilar joint of AISI 316 and Monel 400 developed by pulsed and constant current gas tungsten arc welding processes	International Journal of Advanced Manufacturing Technology	108	08-Jul	2633	2644	2.496	10.1007/s00170-020-05562-w

884	Mu Y., Zhang L., Xu L., Prashanth K., Zhang N., Ma X., Jia Y., Xu Y., Jia Y., Wang G.	Frictional wear and corrosion behavior of AlCoCrFeNi high-entropy alloy coatings synthesized by atmospheric plasma spraying	Entropy	22	7			2.494	10.3390/e22070740
885	Sawant S.S., Manoharan P.	Unsupervised band selection based on weighted information entropy and 3D discrete cosine transform for hyperspectral image classification	International Journal of Remote Sensing	41	10	3948	3969	2.493	10.1080/01431161.2019.1711242
886	Raguraman V., Jayasri M.A., Suthindhiran K.	Magnetosome mediated oral Insulin delivery and its possible use in diabetes management	Journal of Materials Science: Materials in Medicine	31	8			2.489	10.1007/s10856-020-06417-2
887	Muniswami D.M., Reddy L.V.K., Amirtham S.M., Babu S., Raj A.N., Sen D., Manivasagam G.	Endothelial progenitor/stem cells in engineered vessels for vascular transplantation	Journal of Materials Science: Materials in Medicine	31	12			2.489	10.1007/s10856-020-06458-7
888	Iwendi C., Bashir A.K., Peshkar A., Sujatha R., Chatterjee J.M., Pasupuleti S., Mishra R., Pillai S., Jo O.	COVID-19 patient health prediction using boosted random forest algorithm	Frontiers in Public Health	8				2.483	10.3389/fpubh.2020.00357
889	Jerome P., Babu S.G., Karvembu R.	Structural Effect of Pincer Pd(II)-ONO Complexes Modified with Acylthiourea on Sizes of the In Situ Generated Pd Nanoparticles During Heck Coupling Reaction	Catalysis Letters					2.482	10.1007/s10562-020-03413-7
890	Khajone V.B., Balinge K.R., Bhagat P.R.	Polymer-Supported Fe-Phthalocyanine Derived Heterogeneous Photo-Catalyst for the Synthesis of Tetrazoles Under Visible Light Irradiation	Catalysis Letters					2.482	10.1007/s10562-020-03461-z

891	Maddikunta P.K.R., Srivastava G., Gadekallu T.R., Deepa N., Boopathy P.	Predictive model for battery life in IoT networks	IET Intelligent Transport Systems	14	11	1388	1395	2.480	10.1049/iet- its.2020.0009
892	Angalaeswari S., Sanjeevikumar P., Jamuna K., Leonowicz Z.	Hybrid PIPSO-SQP algorithm for real power loss minimization in radial distribution systems with optimal placement of distributed generation	Applied Sciences (Switzerland)	12	14	1	21	2.474	10.3390/su1214578 7
893	Roy S.S., Rodrigues N., Taguchi Y.-H.	Incremental dilations using CNN for brain tumor classification	Applied Sciences (Switzerland)	10	14			2.474	10.3390/app101449 15
894	Shrivastava R., Kumar P., Tripathi S., Tiwari V., Rajput D.S., Gadekallu T.R., Suthar B., Singh S., Ra I.-H.	A novel grid and place neuron's computational modeling to learn spatial semantics of an environment	Applied Sciences (Switzerland)	10	15			2.474	10.3390/app101551 47
895	Guarda G., Pesyridis A., Sam A.A.	Preliminary investigation of the performance of an engine equipped with an advanced axial turbocharger turbine	Applied Sciences (Switzerland)	10	21	1	29	2.474	10.3390/app10217 452
896	Dhanapal K., Raman M., Kamatchi R., Kumaresan G.	Role of method of synthesis on the size of flakes, dispersion stability and thermophysical properties of aqua based reduced graphene oxide nanofluids	Journal of Thermal Analysis and Calorimetry					2.471	10.1007/s10973- 020-09585-z
897	Vallathan G., John A., Thirumalai C., Mohan S.K., Srivastava G., Lin J.C.-W.	Suspicious activity detection using deep learning in secure assisted living IoT environments	Journal of Supercomputing					2.469	10.1007/s11227- 020-03387-8
898	Mitura S., Sionkowska A., Jaiswal A.	Biopolymers for hydrogels in cosmetics: review	Journal of Materials Science: Materials in Medicine	31	6			2.467	10.1007/s10856- 020-06390-w

899	Rajan R.V., George M., Leenaraj D.R., Ittyachan R., Sajan D., Vinitha G.	Growth, Z-scan and density functional theoretical study for investigating the nonlinear optical properties of guanidinium L-glutamate for optical limiting applications	Journal of Molecular Structure	1222				2.463	10.1016/j.molstruc.2020.128937
900	Kanimozhi R., Singh F.V.	Metal-free synthesis and characterization of 1,3-Bis(heteroaryl)benzenes followed by the photophysical studies using ultraviolet-visible and fluorescence spectroscopy	Journal of Molecular Structure	1219				2.463	10.1016/j.molstruc.2020.128633
901	Rajeshkumar S., Sherif M.H., Malarkodi C., Ponnanikajamdeen M., Arasu M.V., Al-Dhabi N.A., Roopan S.M.	Cytotoxicity behaviour of response surface model optimized gold nanoparticles by utilizing fucoidan extracted from padina tetrastromatica	Journal of Molecular Structure					2.463	10.1016/j.molstruc.2020.129440
902	Manonmani M., Balakrishnan C., Dhanalakshmi M., Ahamed S.R., Vinitha G., Sockalingam R.M.	Synthesis, structure, third-order nonlinear optical properties and Hirshfeld surface analysis of tetrakis(azepanium) hexachlorostannate(IV) dichloride and tetrakis(azepanium) hexabromostannate(IV) dibromide	Journal of Molecular Structure					2.463	10.1016/j.molstruc.2020.129515
903	Kamalesh D., Nair A., Sreeshma J., Arundhathi P.S., Sudandiradoss C.	Statistical and molecular dynamics (MD) simulation approach to investigate the role of intrinsically disordered regions of shikimate dehydrogenase in microorganisms surviving at different temperatures	Extremophiles					2.462	10.1007/s00792-020-01198-6
904	Nashine H.K., Ibrahim R.W., Can N.H.	Solution of a fractal energy integral operator without body force using measure of noncompactness	Alexandria Engineering Journal					2.460	10.1016/j.aej.2020.07.015

905	Jakeer S., BalaAnki Reddy P., Rashad A.M., Nabwey H.A.	Impact of heated obstacle position on magneto-hybrid nanofluid flow in a lid-driven porous cavity with Cattaneo-Christov heat flux pattern	Alexandria Engineering Journal					2.460	10.1016/j.aej.2020.10.011
906	T J.A.S., J R., Rajan A., Shankar V.	Features of the biochemistry of Mycobacterium smegmatis, as a possible model for Mycobacterium tuberculosis	Journal of Infection and Public Health					2.447	10.1016/j.jiph.2020.06.023
907	Reddy P.N., Jindal B.B., Kavyateja B.V., Narender Reddy A.	Strength enhancement of concrete incorporating alccofine and SNF based admixture	Advances in Concrete Construction	9	4	345	354	2.443	10.12989/acc.2020.9.4.345
908	Mohamed Abbas S., Elayaperumal A., Arulvel S.	Enhancement of the hardness and wear-resistance of aluminum-silicon alloy using atmospheric plasma-sprayed ZrO ₂ , Al ₂ O ₃ -ZrO ₂ multilayer, and Al ₂ O ₃ /ZrO ₂ composite coatings	Surface Topography: Metrology and Properties	8	2			2.439	10.1088/2051-672X/ab9681
909	Kumar T.S., Annamalai A.R., Srikanth M., Jen C.-P.	Processing of spark plasma sintered Fe alloy and enhancing its surface properties by AlCrN monolayer coating by cathodic arc plasma physical vapor deposition process	Coatings	10	12	1	15	2.436	10.3390/coatings10121166
910	Saravana Kumar S., Selva Kumar R., Ashok Kumar S.K.	An "Off-On-Off" type fluorescent chemosensor for the relay detection of Zn ²⁺ and H ₂ PO ₄ ⁻ in aqueous environment	Inorganica Chimica Acta	502				2.433	10.1016/j.ica.2019.119348
911	De S., Ashok Kumar S.K.	Development of highly potent Arene-Ru (II)-ninhydrin complexes for inhibition of cancer cell growth	Inorganica Chimica Acta	508				2.433	10.1016/j.ica.2020.119641

912	Vijayakrishna K., Manojkumar K., Haribabu P.M., GyanaRanjan B., Tilottama B., Agirre A., Meabe L., Mantione D., Porcarelli L., R Leiza J., Mecerreyes D.	Morpholine-based RAFT agents for the reversible deactivation radical polymerization of vinyl acetate and N- vinylimidazole	Polymer International					2.433	10.1002/pi.6032
913	Vijayakrishnan V., Balakrishnan S.	Significance of entangling operators in the purview of modified EWL scheme	Quantum Information Processing	19	9			2.433	10.1007/s11128- 020-02827-x
914	Dandu M.S.R., Kasianantham N.	Effect of reformulated fuel strategy on compression ignition engine compatibility using antioxidant additive and clean Karanja methyl ester	Clean Technologies and Environmental Policy					2.429	10.1007/s10098- 020-01905-z
915	Nashine H.K., Ibrahim R.W., Agarwal R.P., Can N.H.	Existence of local fractional integral equation via a measure of non- compactness with monotone property on Banach spaces	Advances in Difference Equations	2020	1			2.421	10.1186/s13662- 020-03153-3
916	P K.A., Acharjya D.P.	A Hybrid Scheme for Heart Disease Diagnosis Using Rough Set and Cuckoo Search Technique	Journal of Medical Systems	44	1			2.415	10.1007/s10916- 019-1497-9
917	Manuel A.J., Deverajan G.G., Patan R., Gandomi A.H.	Optimization of routing-based clustering approaches in wireless sensor network: Review and open research issues	Electronics (Switzerland)	9	10	1	29	2.412	10.3390/electronic s9101630
918	Swarrup J.S., Ganguli R., Madras G.	Analysis on enhancing the sensing behavior of ionic polymer metal composite based sensors	Journal of Intelligent Material Systems and Structures					2.410	10.1177/1045389 X20952538
919	Padma Priya R., Rekha D.	Sustainability modelling and green energy optimisation in microgrid powered distributed FogMicroDataCenters in rural area	Wireless Networks					2.405	10.1007/s11276- 019-02207-z

920	Somasundaram R., Thirugnanam M.	Review of security challenges in healthcare internet of things	Wireless Networks					2.405	10.1007/s11276-020-02340-0
921	Ayyasamy A., Julie E.G., Robinson Y.H., Balaji S., Kumar R., Son L.H., Thong P.H., Priyadarshini I.	AVRM: adaptive void recovery mechanism to reduce void nodes in wireless sensor networks	Peer-to-Peer Networking and Applications					2.397	10.1007/s12083-019-00865-6
922	Thirugnanam T., Ghalib M.R.	A reward based connectivity-aware IoV neighbor selection for improving reliability in healthcare information exchange	Peer-to-Peer Networking and Applications					2.397	10.1007/s12083-019-00829-w
923	Elavarasan R., Chitra K.	An efficient fuzziness based contiguous node refining scheme with cross-layer routing path in WSN	Peer-to-Peer Networking and Applications					2.397	10.1007/s12083-019-00825-0
924	Muthu B.A., Sivaparthipan C.B., Manogaran G., Sundarasekar R., Kadry S., Shanthini A., Dasel A.	IOT based wearable sensor for diseases prediction and symptom analysis in healthcare sector	Peer-to-Peer Networking and Applications					2.397	10.1007/s12083-019-00823-2
925	Suresh Kumar C., Dhanaraj K., Vimalathithan R.M., Ilaiyaraja P., Suresh G.	Hydroxyapatite for bone related applications derived from sea shell waste by simple precipitation method	Journal of Asian Ceramic Societies					2.395	10.1080/21870764.2020.1749373
926	Sundar V., Senthil Kumar K.A., Manickam V., Ramasamy T.	Current trends in pharmacological approaches for treatment and management of acute pancreatitis – a review	Journal of Pharmacy and Pharmacology					2.390	10.1111/jphp.13229
927	Babu M.A., Srinivasan R., Subramanian P., Kodiveri Muthukaliannan G.	RNAi silenced ζ -carotene desaturase developed variegated tomato transformants with increased phytoene content	Plant Growth Regulation					2.388	10.1007/s10725-020-00678-1
928	Solanki R., Manwani A., Mahajan A., Patrikar R.M.	Modeling of program/erase transient in heterogeneous SiNx charge trap flash memories	Superlattices and Microstructures	144				2.385	10.1016/j.spmi.2020.106577
929	Rahaman S., Singha M.K., Sunil M.A., Ghosh K.	Effect of copper concentration on CTS thin films for solar cell absorber layer and photocatalysis applications	Superlattices and Microstructures	145				2.385	10.1016/j.spmi.2020.106589

930	Boggavarapu L.N.P.K., Manoharan P.	A new framework for hyperspectral image classification using Gabor embedded patch based convolution neural network	Infrared Physics and Technology	110				2.379	10.1016/j.infrared.2020.103455
931	Vaddi R., Manoharan P.	CNN based hyperspectral image classification using unsupervised band selection and structure-preserving spatial features	Infrared Physics and Technology	110				2.379	10.1016/j.infrared.2020.103457
932	Patil V., Pal J., Mahalingam K., Somasundaram K.	Global RNA editome landscape discovers reduced RNA editing in glioma: Loss of editing of gamma-amino butyric acid receptor alpha subunit 3 (GABRA3) favors glioma migration and invasion	PeerJ	8				2.379	10.7717/peerj.9755
933	Kirankumar G., Saboor S., Vali S.S., Mahapatra D., Talanki Puttaranga Setty A.B., Kim K.-H.	Thermal and cost analysis of various air filled double glazed reflective windows for energy efficient buildings	Journal of Building Engineering	28				2.378	10.1016/j.job.2019.101055
934	Chintalapudi K., Pannem R.M.R.	The effects of Graphene Oxide addition on hydration process, crystal shapes, and microstructural transformation of Ordinary Portland Cement	Journal of Building Engineering	32				2.378	10.1016/j.job.2020.101551
935	Vignesh A., Manigundan K., Santhoshkumar J., Shanmugasundaram T., Gopikrishnan V., Radhakrishnan M., Joseph J., Ayyasamy P.M., Kumar G.D., Meganathan R., Balagurunathan R.	Microbial degradation, spectral analysis and toxicological assessment of malachite green by Streptomyces chrestomyceticus S20	Bioprocess and Biosystems Engineering					2.371	10.1007/s00449-020-02339-z

936	Suresh D., Yarrakula K.	InSAR based deformation mapping of earthquake using Sentinel 1A imagery	Geocarto International	35	5	559	568	2.365	10.1080/10106049.2018.1544289
937	Robinson Y.H., Vimal S., Khari M., Hernández F.C.L., Crespo R.G.	Tree-based convolutional neural networks for object classification in segmented satellite images	International Journal of High Performance Computing Applications					2.365	10.1177/1094342020945026
938	Mathiyazhagan J., Kodiveri Muthukaliannan G.	Combined Zingiber officinale and Terminalia chebula Induces Apoptosis and Modulates mTOR and hTERT Gene Expressions in MCF-7 Cell Line	Nutrition and Cancer			1	10	2.363	10.1080/01635581.2020.1792518
939	Bhattacharya R., Chatterjee R., Mandal A.K.A., Mukhopadhyay A., Basu S., Giri A.K., Chatterji U., Bhattacharjee P.	Theaflavin-Containing Black Tea Extract: A Potential DNA Methyltransferase Inhibitor in Human Colon Cancer Cells and Ehrlich Ascites Carcinoma-Induced Solid Tumors in Mice	Nutrition and Cancer					2.363	10.1080/01635581.2020.1828943
940	Sudhindra P., Ajay Sharma S., Roy N., Moharana P., Paira P.	Recent advances in cytotoxicity, cellular uptake and mechanism of action of ruthenium metallodrugs: A review	Polyhedron	192				2.343	10.1016/j.poly.2020.114827
941	Hu Y.-C., Selvaraj S.K., Subramanian M., Srinivasan K., Narayanan S.	Ultrasonic sensors-assisted corrosion studies on surface coated AlSi9Cu3 alloy die castings	Coatings	10	1			2.330	10.3390/coatings10010085
942	Ch R., Srivastava G., Reddy Gadekallu T., Maddikunta P.K.R., Bhattacharya S.	Security and privacy of UAV data using blockchain technology	Journal of Information Security and Applications	55				2.327	10.1016/j.jisa.2020.102670
943	Deepanraj B., Senthilkumar N., Ranjitha J., Jayaraj S., Ong H.C.	Biogas from food waste through anaerobic digestion: optimization with response surface methodology	Biomass Conversion and Biorefinery					2.326	10.1007/s13399-020-00646-9

944	Mahapatra S., Manian R.	Enhancement, production, and immobilization of beta-glucosidase from <i>Zobellella denitrificans</i> VIT SB117 and its utilization in bioethanol production from lignocellulosic feedstock	Biomass Conversion and Biorefinery					2.326	10.1007/s13399-020-00718-w
945	Ramesh N., Murugavelh S.	A cleaner process for conversion of invasive weed (<i>Prosopis juliflora</i>) into energy-dense fuel: kinetics, energy, and exergy analysis of pyrolysis process	Biomass Conversion and Biorefinery					2.326	10.1007/s13399-020-00747-5
946	Ramesh N., Somasundaram M.	Thermochemical conversion of <i>Parthenium hysterophorus</i> biomass for bio-oil synthesis: kinetics and techno-economic analysis	Biomass Conversion and Biorefinery					2.326	10.1007/s13399-020-00790-2
947	Mohanty S.K., Sidharth M.	Time dependent wave motion in a permeable bed	Meccanica	55	7	1481	1497	2.316	10.1007/s11012-020-01176-4
948	Sawant S., Manoharan P.	Hyperspectral band selection based on metaheuristic optimization approach	Infrared Physics and Technology	107				2.313	10.1016/j.infrared.2020.103295
949	Vaddi R., Manoharan P.	Hyperspectral image classification using CNN with spectral and spatial features integration	Infrared Physics and Technology	107				2.313	10.1016/j.infrared.2020.103296
950	Sarthak D., Prateek G., Vasudevan R., Polit O., Ganapathi M.	Dynamic buckling of classical/non-classical curved beams by nonlocal nonlinear finite element accounting for size dependent effect and using higher-order shear flexible model	International Journal of Non-Linear Mechanics	125				2.313	10.1016/j.ijnonlinmech.2020.103536
951	Ganapathi M., Aditya S., Shubhendu S., Polit O., Zineb T.B.	Nonlinear supersonic flutter study of porous 2D curved panels including graphene platelets reinforcement effect using trigonometric shear deformable finite element	International Journal of Non-Linear Mechanics	125				2.313	10.1016/j.ijnonlinmech.2020.103543

952	Suchitra S., Poovaraghan R.J.	Dynamic multi-attribute priority based face attribute detection for robust face image retrieval system	Multimedia Tools and Applications					2.313	10.1007/s11042-020-09219-4
953	Bharath K.P., Rajesh Kumar M.	ELM speaker identification for limited dataset using multitaper based MFCC and PNCC features with fusion score	Multimedia Tools and Applications					2.313	10.1007/s11042-020-09353-z
954	Gnanasivam P., Sudhakar M.S.	Extremely adaptive image retrieval scheme employing an optimized wavelet technique intended for characterization maps	Multimedia Tools and Applications					2.313	10.1007/s11042-020-09515-z
955	Navin M.S., Agilandeewari L.	Multispectral and hyperspectral images based land use / land cover change prediction analysis: an extensive review	Multimedia Tools and Applications					2.313	10.1007/s11042-020-09531-z
956	Patel S., Bharath K P, Rajesh Kumar M	Symmetric keys image encryption and decryption using 3D chaotic maps with DNA encoding technique	Multimedia Tools and Applications					2.313	10.1007/s11042-020-09551-9
957	Sawant S., Manoharan P.	A hybrid optimization approach for hyperspectral band selection based on wind driven optimization and modified cuckoo search optimization	Multimedia Tools and Applications					2.313	10.1007/s11042-020-09705-9
958	Thippa Reddy G., Bhattacharya S., Maddikunta P.K.R., Hakak S., Khan W.Z., Bashir A.K., Jolfaei A., Tariq U.	Antlion re-sampling based deep neural network model for classification of imbalanced multimodal stroke dataset	Multimedia Tools and Applications					2.313	10.1007/s11042-020-09988-y
959	Pillai K.G.R., Radhakrishnan K., Ramakrishnan D., Yesudhas H.R., Eanoth G.J., Kumar R., Long H.V., Son L.H.	Compression based clustering technique for enhancing accuracy in web scale videos	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10062-w

960	Jawahar M., Babu N.K.C., Vani K., Anbarasi L.J., Geetha S.	Vision based inspection system for leather surface defect detection using fast convergence particle swarm optimization ensemble classifier approach	Multimedia Tools and Applications					2.313	10.1007/s11042-020-09727-3
961	Deebak B.D., Al-Turjman F., Nayyar A.	Chaotic-map based authenticated security framework with privacy preservation for remote point-of-care	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10134-x
962	Mallela N.C., Volety R., R S.P., R. K N.	Detection of the triple riding and speed violation on two-wheelers using deep learning algorithms	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10126-x
963	Jacob I.J., Betty P., Darney P.E., Raja S., Robinson Y.H., Julie E.G.	Biometric template security using DNA codec based transformation	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10127-w
964	Satapathy A., Livingston L.M.J.	A lite convolutional neural network built on permuted Xceptio-inception and Xceptio-reduction modules for texture based facial liveness recognition	Multimedia Tools and Applications					2.313	10.1007/s11042-020-10181-4
965	Kar B., Roy N., Pete S., Moharana P., Paira P.	Ruthenium and iridium based mononuclear and multinuclear complexes: A Breakthrough of Next-Generation anticancer metallopharmaceuticals	Inorganica Chimica Acta	512				2.304	10.1016/j.ica.2020.119858
966	Sharma S A., P S., Roy N., Paira P.	Advances in novel iridium (III) based complexes for anticancer applications: A review	Inorganica Chimica Acta	513				2.304	10.1016/j.ica.2020.119925
967	Pete S., Roy N., Paira P.	A review on homo multinuclear anticancer Metallotherapeutics	Inorganica Chimica Acta	517				2.304	10.1016/j.ica.2020.120184
968	Kumar A., Gunasekaran V., Chinnapandi L.B.M., Pitchaimani J.	Acoustic response behavior of porous 3D graphene foam plate	Applied Acoustics	169				2.297	10.1016/j.apacoust.2020.107431

969	Feng Z., Swaminathan V., Panov V.P., Fukuda A., Ishikawa K., Vij J.K.	Dielectric study of a subphase stabilized in an exceptionally wide temperature range by a delicate balance of interlayer interactions and thermal fluctuations	Physical Review E	102	1			2.296	10.1103/PhysRevE.102.012703
970	Bhardwaj P., Grace A.N.	Antistatic and microwave shielding performance of polythiophene-graphene grafted 3-dimensional carbon fibre composite	Diamond and Related Materials	106				2.290	10.1016/j.diamond.2020.107871
971	Kharangarh P.R., Gupta V., Singh A., Bhardwaj P., Grace A.N.	An efficient pseudocapacitor electrode material with co-doping of iron (II) and sulfur in luminescent graphene quantum dots	Diamond and Related Materials	107				2.290	10.1016/j.diamond.2020.107913
972	Paul A.M., Sajeev A., Nivetha R., Gothandapani K., Bhardwaj P., K G., Raghavan V., Jacob G., Sellapan R., Jeong S.K., Grace A.N.	Cuprous oxide (Cu ₂ O)/graphitic carbon nitride (g-C ₃ N ₄) nanocomposites for electrocatalytic hydrogen evolution reaction	Diamond and Related Materials	107				2.290	10.1016/j.diamond.2020.107899
973	Kumar S U., Kumar D T., R S., Doss C G.P., Zayed H.	An extensive computational approach to analyze and characterize the functional mutations in the galactose-1-phosphate uridyl transferase (GALT) protein responsible for classical galactosemia	Computers in Biology and Medicine	117				2.286	10.1016/j.compbio med.2019.103583
974	Selvaraj R., Ramamoorthy M.	Experimental and finite element vibration analysis of CNT reinforced MR elastomer sandwich beam	Mechanics Based Design of Structures and Machines					2.286	10.1080/15397734.2020.1778487

975	Iyyappa Rajan P., Baldo C., Iii, Enamullah, Mahalakshmi S., Navamathavan R., Adinaveen T.	High thermopower and power factors in EuFeO ₃ for high temperature thermoelectric applications: A first-principles approach	Journal of Applied Physics	128	15			2.286	10.1063/5.0016071
976	Micheal F., Sayana M., Prasad R., Motial B.M.	Has the time come to employ population and individual bioequivalence for the evaluation of generics?	Current Drug Metabolism	21	2	112	125	2.277	10.2174/1389200221666200401105119
977	Saikia A.A., Nishanth Rao R., Das S., Jena S., Rej S., Maiti B., Chanda K.	Sequencing [3+2]-cycloaddition and multicomponent reactions: A regioselective microwave-assisted synthesis of 1,4-disubstituted 1,2,3-triazoles using ionic liquid supported Cu(II) precatalysts in methanol	Tetrahedron Letters	61	36			2.275	10.1016/j.tetlet.2020.152273
978	Reddy P.L., Deshmukh K., Kovářik T., Nambiraj N.A., Shaik K.P.	Green chemistry mediated synthesis of cadmium sulphide/polyvinyl alcohol nanocomposites: Assessment of microstructural, thermal, and dielectric properties	Polymer Composites					2.268	10.1002/pc.25520
979	Van Tang T., Rene E.R., Binh T.N., Behera S.K., Phong N.T.	Mangroves diversity and erosion mitigation performance in a low salinity soil area: case study of Vinh City, Vietnam	Wetlands Ecology and Management					2.250	10.1007/s11273-019-09704-0
980	Sabarimurugan S., Kumarasamy C., Royam Madhav M., Samiappan S., Jayaraj R.	The significance of miRNAs as a prognostic biomarker for survival outcome in T cell – acute lymphoblastic leukemia patients: A systematic review and meta-analysis	Cancer Management and Research	12		819	839	2.243	10.2147/CMAR.S200687
981	Mallick M., Mohanta A., Kumar A., Patra K.C.	Gene-expression programming for the assessment of surface mean pressure coefficient on building surfaces	Building Simulation					2.238	10.1007/s12273-019-0583-8

982	Vijayakumar V., Udhayakumar R.	A new exploration on existence of Sobolev-type Hilfer fractional neutral integro-differential equations with infinite delay	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22550
983	Williams W.K., Vijayakumar V., Udhayakumar R., Nisar K.S.	A new study on existence and uniqueness of nonlocal fractional delay differential systems of order $1 < r < 2$ in Banach spaces	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22560
984	Dineshkumar C., Udhayakumar R.	New results concerning to approximate controllability of Hilfer fractional neutral stochastic delay integro-differential systems	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22567
985	Vijayakumar V., Panda S.K., Nisar K.S., Baskonus H.M.	Results on approximate controllability results for second-order Sobolev-type impulsive neutral differential evolution inclusions with infinite delay	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22573
986	Dineshkumar C., Udhayakumar R.	Results on approximate controllability of nondensely defined fractional neutral stochastic differential systems	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22687
987	Mohan Raja M., Vijayakumar V.	New results concerning to approximate controllability of fractional integro-differential evolution equations of order $1 < r < 2$	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22653
988	Dineshkumar C., Udhayakumar R., Vijayakumar V., Sooppy Nisar K.	Results on approximate controllability of neutral integro-differential stochastic system with state-dependent delay	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22698

989	Mohan Raja M., Vijayakumar V., Udhayakumar R., Nisar K.S.	Results on existence and controllability results for fractional evolution inclusions of order $1 < r < 2$ with Clarke's subdifferential type	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22691
990	Kavitha Williams W., Vijayakumar V., Udhayakumar R., Panda S.K., Nisar K.S.	Existence and controllability of nonlocal mixed Volterra-Fredholm type fractional delay integro-differential equations of order $1 < r < 2$	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22697
991	Vijayakumar V., Udhayakumar R., Panda S.K., Nisar K.S.	Results on approximate controllability of Sobolev type fractional stochastic evolution hemivariational inequalities	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22690
992	Vijayakumar V., Udhayakumar R., Zhou Y., Sakthivel N.	Approximate controllability results for Sobolev-type delay differential system of fractional order without uniqueness	Numerical Methods for Partial Differential Equations					2.236	10.1002/num.22642
993	Anirudh B., Ben Zineb T., Polit O., Ganapathi M., Prateek G.	Nonlinear bending of porous curved beams reinforced by functionally graded nanocomposite graphene platelets applying an efficient shear flexible finite element approach	International Journal of Non-Linear Mechanics	119				2.225	10.1016/j.ijnonlinmec.2019.103346
994	Dhiman A., Uttam T., Balakrishnan S.	Implementation of sequential game on quantum circuits	Quantum Information Processing	19	4			2.222	10.1007/s11128-020-2607-9
995	Srikanth A., Balakrishnan S.	Controller-independent quantum bidirectional communication using non-maximally entangled states	Quantum Information Processing	19	4			2.222	10.1007/s11128-020-02628-2

996	Sangeetha P., Nageshwari M., Kumari C.R.T., Sudha S., Jayaprakash P., Caroline M.L., Mathubala G., Vinitha G., Manikandan A.	Linear and nonlinear optical investigation of l-arginium adipate single crystal for photonic applications	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04015-0
997	Jauhar R.M., Era P., Vivek P.	Thermal kinetics, 3D-FMOs and spectral phase matching of 2-aminopyridinium diphenylacetate diphenylacetic acid crystal	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04011-4
998	Shobana M., Meher S.R.	Structural, optical and magnetic properties of cobalt-doped ZnTe dilute magnetic semiconductors	Journal of Materials Science: Materials in Electronics	31	18	15140	15152	2.220	10.1007/s10854-020-04079-y
999	Sudha S., Kumari C.R.T., Nageshwari M., Ramesh P., Vinitha G., Caroline M.L., Mathubala G., Manikandan A.	Crystal growth, optical, spectroscopic studies, PL behaviour and Hirshfield surface analysis of a third-order nonlinear optical Cesium Hydrogen Oxalate Dihydrate (CHOD) single crystal	Journal of Materials Science: Materials in Electronics	31	18	15028	15037	2.220	10.1007/s10854-020-04066-3
1000	Dhanumalayan E., Kaleemulla S.	Enhanced structure, dielectric, and thermal properties of attapulgate clay and hexagonal boron nitride admixture loaded polymer blends	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04337-z
1001	Suresh A., Jauhar R.M., Manikandan N., Girisun T.C.S., Vinitha G.	Experimental and computational studies on third-order urea salicylic acid single crystal for optoelectronic device applications	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04315-5
1002	Rajasekar G., Dhatchaiyini M.K., Rekha P., Sudhahar S., Vinitha G., Bhaskaran A.	Investigation on linear and nonlinear optical properties of third-order nonlinear optical semi-organic material: ammonium bis (citrate) borate dihydrate	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04414-3

1003	Elayaperumal E., Malathi M., Murugesan G., Mayeen A., Kalarikkal N.	Observation of room temperature multiferroicity in CuO-doped Sr ₃ Bi ₄ Ti ₆ O ₂₁ lead-free ferroelectric ceramics	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04458-5
1004	Ramnivasmirtha P., Balaji J., Sneha X.C.M., Siva Karthik P., Gajalaskhmi D., Vinitha G.	Studies on growth, optical, dielectric, and third-order nonlinearity of 4-methyl N-(4-chlorobenzylidene)aniline (4CBT) crystal	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04372-w
1005	Ravisankar R., Jayaprakash P., Eswaran P., Mohanraj K., Vinitha G., Pichumani M.	Synthesis, growth, optical and third-order nonlinear optical properties of glycine sodium nitrate single crystal for photonic device applications	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04288-5
1006	Allen Moses S.E., Ravi Kumar S.M., Hegde T.A.	Crystal engineering and physicochemical properties of l-threoninium succinate (LTS) single crystal for frequency conversion applications	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04621-y
1007	Revathi B., Balakrishnan L., Pichaimuthu S., Nirmala Grace A., Krishna Chandar N.	Photocatalytic degradation of rhodamine B using BiMnO ₃ nanoparticles under UV and visible light irradiation	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04750-4
1008	Loganayaki M., Senthil K., Nandhini S., Senthil A., Murugakoothan P., Vinitha G.	Discussion on spectral, electrical and third-order nonlinear optical susceptibility of semi-organic tris(cyclohexylammonium) tris(o-chlorobenzoate) dihydrate single crystal	Journal of Materials Science: Materials in Electronics					2.220	10.1007/s10854-020-04729-1
1009	Jayaprakash P., Caroline M.L., Sudha S., Ravisankar R., Vinitha G., Ramesh P., Raju E.	Synthesis, growth, optical and third order nonlinear optical properties of l-Phenylalanine d-Mandelic acid single crystal for photonic device applications	Journal of Materials Science: Materials in Electronics	31	22	20460	20471	2.220	10.1007/s10854-020-04565-3

1010	Brahmendra Kumar G.V., Kaliannan P., Padmanaban S., Holm-Nielsen J.B., Blaabjerg F.	Effective management system for solar PV using real-time data with hybrid energy storage system	Applied Sciences (Switzerland)	10	3			2.217	10.3390/app10031108
1011	Lakshminarayanan K., Krishnan R.S., Julie E.G., Robinson Y.H., Kumar R., Son L.H., Hung T.X., Samui P., Thi Ngo P.T., Bui D.T.	A new integrated approach based on the iterative super-resolution algorithm and expectation maximization for face hallucination	Applied Sciences (Switzerland)	10	2			2.217	10.3390/app10020718
1012	Behera S.K., Sahni S., Tiwari G., Rai A., Mahanty B., Vinati A., Rene E.R., Pugazhendhi A.	Removal of chromium from synthetic wastewater using modified maghemite nanoparticles	Applied Sciences (Switzerland)	10	9			2.217	10.3390/app10093181
1013	Dutta N., Palanisamy K., Subramaniam U., Padmanaban S., Holm-Nielsen J.B., Blaabjerg F., Almakles D.J.	Identification of water hammering for centrifugal pump drive systems	Applied Sciences (Switzerland)	10	8			2.217	10.3390/APP10082683
1014	Thawani B., Mahanty B., Behera S.K.	Characterization of refuse derived fuel samples prepared from municipal solid waste in Vellore, India	Environmental Technology (United Kingdom)					2.213	10.1080/09593330.2020.1856191
1015	Muthu S.M., M A.	Investigations of hot corrosion resistance of HVOF coated Fe based superalloy A-286 in simulated gas turbine environment	Engineering Failure Analysis	107				2.203	10.1016/j.engfailanal.2019.104224
1016	Viespoli L.M., Bressan S., Itoh T., Hiyoshi N., Prashanth K.G., Berto F.	Creep and high temperature fatigue performance of as build selective laser melted Ti-based 6Al-4V titanium alloy	Engineering Failure Analysis	111				2.203	10.1016/j.engfailanal.2020.104477
1017	Madhangi M., Jauhar R.M., Era P., Murugakoothan P.	Enhanced morphology of l-histidinium 4-methylbenzene sulfonate via recrystallization and study on its physio-chemical properties	Journal of Materials Science: Materials in Electronics	31	7	5635	5646	2.195	10.1007/s10854-020-03130-2

1018	Ifan H., Ezhil Vizhi R., Saravanan P.	Processing and characterization of Ba _{0.5} Sr _{0.5} Fe ₁₂ O ₁₉ /Y ₃ Fe ₅ O ₁₂ nanocomposite ferrites towards permanent magnet applications	Journal of Materials Science: Materials in Electronics					2.195	10.1007/s10854-020-03607-0
1019	Balu P., Asharani I.V., Thirumalai D.	Catalytic degradation of hazardous textile dyes by iron oxide nanoparticles prepared from Raphanus sativus leaves' extract: a greener approach	Journal of Materials Science: Materials in Electronics					2.195	10.1007/s10854-020-03616-z
1020	Selvaraj T., Yadav A., Bahuguna H., Drewnowski J., Ganesapillai M.	Ancient settlements-atavistic solutions for present water supply and drainage problems engendered by urbanism	Environment, Development and Sustainability					2.191	10.1007/s10668-020-00954-0
1021	Poongodi M., Sharma A., Vijayakumar V., Bhardwaj V., Sharma A.P., Iqbal R., Kumar R.	Prediction of the price of Ethereum blockchain cryptocurrency in an industrial finance system	Computers and Electrical Engineering	81				2.189	10.1016/j.compeleceng.2019.106527
1022	Sakthivel S.M., Sankar A.R.	Computation-efficient image watermarking architecture with improved performance	Computers and Electrical Engineering	84				2.189	10.1016/j.compeleceng.2020.106649
1023	Angalaeswari S., Jamuna K.	Design and implementation of a robust iterative learning controller for voltage and frequency stabilization of hybrid microgrids	Computers and Electrical Engineering	84				2.189	10.1016/j.compeleceng.2020.106631
1024	Remya S., Sasikala R.	Performance evaluation of optimized and adaptive neuro fuzzy inference system for predictive modeling in agriculture	Computers and Electrical Engineering	86				2.189	10.1016/j.compeleceng.2020.106718
1025	Senthilnathan S., Kumaravel S.	Power-efficient implementation of pseudo-random number generator using quantum dot cellular automata-based D Flip Flop	Computers and Electrical Engineering	85				2.189	10.1016/j.compeleceng.2020.106658
1026	Lasrado D., Ahankari S., Kar K.	Nanocellulose-based polymer composites for energy applications—A review	Journal of Applied Polymer Science					2.188	10.1002/app.48959

1027	Kesavulu A., Mohanty A.	Tribological characterization of graphene nanoplatelets/alumina particles filled epoxy hybrid nanocomposites	Journal of Applied Polymer Science					2.188	10.1002/app.49518
1028	Mathew J., Raj A.S., Priya D.D., Titus D., Jebasaleem Samuel E.J., Roopan S.M.	Photoluminescence properties of Ag ₃ PO ₄ /CuO nanocomposites: Quantum yield effect	Optik	219				2.187	10.1016/j.ijleo.2020.165282
1029	Varshney G., Debnath S., Sharma A.K.	Tunable circularly polarized graphene antenna for THz applications	Optik	223				2.187	10.1016/j.ijleo.2020.165412
1030	B T.R., P S., P D., G V., S M., Vijayalakshmi V., Aarthi J.	Thiosemicarbazidezincchloride single crystal: Promising (ϕ) 3 novel NLO material for optical and photonic device applications	Optik	224				2.187	10.1016/j.ijleo.2020.165627
1031	Andavar S., Vaithilingam M., Selvaraj D., Kumaran A.A., Devanathan K.	Design, Synthesis and Evaluation of Novel Substituted (5-methyl-1H-pyrazol-3-yl)- 1,3,4-oxadiazole as Potent Androgen Receptor Antagonist	Anti-cancer agents in medicinal chemistry	20	1	84	93	2.180	10.2174/1871520619666191121095720
1032	Manikandan A., Sivakumar A., Nigam P.S., Napoleon A.A.	Anticancer effects of novel tetrahydro-dimethyl-xanthene-diones	Anti-Cancer Agents in Medicinal Chemistry	20	7	909	916	2.180	10.2174/1871520620666200318094138
1033	Arefin R., Meshram S.G., Santos C.A.G., da Silva R.M., Pushparaj J.	Hybrid modelling approach for water body change detection at Chalan Beel area in northern Bangladesh	Environmental Earth Sciences	79	19			2.180	10.1007/s12665-020-09185-y
1034	Sahu D., Tripathy S., Sahoo R., Dash A.R.	Multiplicity dependence of shear viscosity, isothermal compressibility and speed of sound in pp collisions at $\sqrt{s} = 7$ TeV	European Physical Journal A	56	7			2.176	10.1140/epja/s10050-020-00197-7

1035	Subramanian N., Solaiyan E.	Study on bond strength of geopolymer and control concrete between fiber-reinforced polymer and steel bars	Structural Concrete					2.174	10.1002/suco.201900506
1036	Shiny Matilda C., Mannully S.T., Rao V.P., Shanthi C.	Chromium binding Bacillus cereus VITSH1—a promising candidate for heavy metal clean up	Letters in Applied Microbiology					2.173	10.1111/lam.13441
1037	Biswal D.K., Mohanty S.C.	On the static and dynamic stability of spherical sandwich shell panels with viscoelastic material core and laminated composite face sheets under uniaxial and biaxial harmonic excitations	Acta Mechanica					2.166	10.1007/s00707-020-02618-6
1038	Odelli E., Selvaraj T., Perumal J., Palleschi V., Legnaioli S., Raneri S.	Pottery production and trades in Tamil Nadu region: new insights from Alagankulam and Keeladi excavation sites	Heritage Science	8	1			2.165	10.1186/s40494-020-00402-2
1039	Raman Kumar M., Vaegae N.K.	A new numerical approach for DNA representation using modified Gabor wavelet transform for the identification of protein coding regions	Biocybernetics and Biomedical Engineering	40	2	836	848	2.159	10.1016/j.bbe.2020.03.007
1040	Saranyadevi S., Ramanathan K., Shanthi V.	Exploring natural compounds for the management of non-small cell lung cancer	Natural Product Research					2.158	10.1080/14786419.2020.1799361
1041	Khamparia A., Gupta D., de Albuquerque V.H.C., Sangaiah A.K., Jhaveri R.H.	Internet of health things-driven deep learning system for detection and classification of cervical cells using transfer learning	Journal of Supercomputing					2.157	10.1007/s11227-020-03159-4
1042	Kansal S., Kumar H., Kaushal S., Sangaiah A.K.	Genetic algorithm-based cost minimization pricing model for on-demand IaaS cloud service	Journal of Supercomputing	76	3	1536	1561	2.157	10.1007/s11227-018-2279-8
1043	Sharma A., Sangeetha R.G.	Terminal and broadcast reliability analysis of direct 2-D symmetric torus network	Journal of Supercomputing					2.157	10.1007/s11227-020-03311-0

1044	Deepa N., Prabadevi B., Maddikunta P.K., Gadekallu T.R., Baker T., Khan M.A., Tariq U.	An AI-based intelligent system for healthcare analysis using Ridge-Adaline Stochastic Gradient Descent Classifier	Journal of Supercomputing					2.157	10.1007/s11227-020-03347-2
1045	Basnet S., Sarma A., Khanal R.	Effect of presheath electron temperature on magnetized plasma-wall transition and wall sputtering by plasma having two species of positive ions	Physica Scripta	95	6			2.151	10.1088/1402-4896/ab7b89
1046	Prasad P.K., Gowrisankar A., Saha A., Banerjee S.	Dynamical properties and fractal patterns of nonlinear waves in solar wind plasma	Physica Scripta	95	6			2.151	10.1088/1402-4896/ab833c
1047	Fataf N.A.A., Gowrisankar A., Banerjee S.	In search of self-similar chaotic attractors based on fractal function with variable scaling approximately	Physica Scripta	95	7			2.151	10.1088/1402-4896/ab8f45
1048	Jonnalagadda V.K., Elumalai V.K.	Hardware-in-the-loop testing of current cycle feedback ILC for stabilisation and tracking control of under-actuated visual servo system	International Journal of Systems Science					2.149	10.1080/00207721.2020.1853273
1049	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					2.145	10.1080/17517575.2020.1812003
1050	Vasanth W.B., Kandasamy I., Smarandache F., Devvrat V., Ghildiyal S.	Study of imaginative play in children using single-valued refined neutrosophic sets	Symmetry	12	3			2.143	10.3390/sym12030402
1051	Muralidharan B., Singh P., Chelladurai H.	Effect of magnetic field intensity on deposition of copper tool in electro discharge deposition	Journal of Micromechanics and Microengineering	30	1			2.141	10.1088/1361-6439/ab5424

1052	Akkara P.J., Sabina E.P.	Pre-treatment with Beta Carotene Gives Protection Against Nephrotoxicity Induced by Bromobenzene via Modulation of Antioxidant System, Pro-inflammatory Cytokines and Pro-apoptotic Factors	Applied Biochemistry and Biotechnology	190	2	616	633	2.140	10.1007/s12010-019-03111-0
1053	Subramanian P., Gurunathan J.	Differential Production of Pigments by Halophilic Bacteria Under the Effect of Salt and Evaluation of Their Antioxidant Activity	Applied Biochemistry and Biotechnology	190	2	391	409	2.140	10.1007/s12010-019-03107-w
1054	Amali I.B., Kesavan M.P., Vijayakumar V., Rajasekaran R., Rajesh J., Rajagopal G.	Biological Impacts of Metal(II) Complex–Based DNA Probes Derived from Bidentate N,O Donor Schiff Base Ligand	Applied Biochemistry and Biotechnology	190	2	373	390	2.140	10.1007/s12010-019-03110-1
1055	Kokila I.P., Kumar P.S., Kanagaraj M., Paidi A.K., He L., Madeswaran S., Therese H.A.	Multiple magnetic phase transition and short-range ferromagnetic behavior influence on magnetocaloric effect of Sm ₂ NiMnO ₆ nanoparticles	Journal of Nanoparticle Research	22	8			2.132	10.1007/s11051-020-04969-6
1056	Rajan A., Sahu N.K.	Review on magnetic nanoparticle-mediated hyperthermia for cancer therapy	Journal of Nanoparticle Research	22	11			2.132	10.1007/s11051-020-05045-9
1057	Thiyagarajulu N., Arumugam S.	Green Synthesis of Reduced Graphene oxide Nanosheets Using Leaf Extract of Lantana camara and Its In-Vitro Biological Activities	Journal of Cluster Science					2.125	10.1007/s10876-020-01814-7
1058	Selvakumar S., Manivannan S.S.	A hybrid meta-heuristic approach for optimization of routing and spectrum assignment in Elastic Optical Network (EON)	Enterprise Information Systems					2.122	10.1080/17517575.2019.1710262

1059	Era P., Jauhar R.M., Viswanathan V., Vinitha G., Murugakoothan P.	Crystal structure, DFT and third order non-linear optical studies of an organic bisguanidinium isophthalate monohydrate single crystal	Journal of Molecular Structure	1204				2.120	10.1016/j.molstruc.2019.127476
1060	Rajan R.V., Joy L.K., Sajan D., Thomas A.K., Sathiskumar S., Balakrishnan T., Vinitha G.	Synthesis, physicochemical properties and third-order optical nonlinearities of cadmium (II) dibromide L - Proline monohydrate for optical limiting application	Journal of Molecular Structure	1204				2.120	10.1016/j.molstruc.2019.127457
1061	Jeeva S., Muthu S., Thomas R., Raajaraman B.R., Mani G., Vinitha G.	Co-crystals of urea and hexanedioic acid with third-order nonlinear properties: An experimental and theoretical enquiry	Journal of Molecular Structure	1202				2.120	10.1016/j.molstruc.2019.127237
1062	Balakrishnan C., Manonmani M., Sivaraman S., Markkandan R., Ahamed S.R., Vinitha G., Meenakshisundaram S.P., Sockalingam R.M.	Multiple strong hydrogen bonded supramolecular cocrystals of 18-crown-6 with 5-nitroisophthalic acid: Solvent effect and optical nonlinearities	Journal of Molecular Structure	1201				2.120	10.1016/j.molstruc.2019.127158
1063	Rani T.D., Rajkumar M., Vinitha G., Mobika J., Chandramohan A.	Synthesis, structural, thermal, mechanical, laser damage threshold and DFT investigations on bis (2-methylimidazolium-4-aminobenzoate) single crystal	Journal of Molecular Structure	1200				2.120	10.1016/j.molstruc.2019.127045
1064	Sudha S., Ramesh P., Kumari C.R.T., Jayaprakash P., Kumar M., Vinitha G., Caroline M.L.	Growth, spectroscopic, HOMO-LUMO energies, MEP, hardness and TG/DTA studies of acid potassium hydrogen fumarate as an efficient nonlinear optical material	Journal of Molecular Structure	1209				2.120	10.1016/j.molstruc.2020.127946

1065	Sangeetha P., Jayaprakash P., Ramesh P., Sudha S., Vinitha G., Nageshwari M., Caroline M.L.	Crystal growth, spectroscopic, optical, thermal and hirshfeld surface analysis of glycinium hydrogen fumarate glycine solvate monohydrate (GHFGSM): A third harmonic nonlinear optical organic crystal	Journal of Molecular Structure	1213				2.120	10.1016/j.molstruc.2020.128187
1066	Saravana Kumar S., Selva Kumar R., Ashok Kumar S.K.	Development of highly selective dual mode chromogenic and fluorogenic chemosensor for Bi ³⁺ ions	Journal of Molecular Structure	1212				2.120	10.1016/j.molstruc.2020.128143
1067	Aswaniya K., Raj M.B.J., Gowri S., Vinitha G.	Growth, structural, hirshfeld surface analysis, DFT and Z-scan technique of hybrid single crystal of piperazinium perchlorate	Journal of Molecular Structure	1218				2.120	10.1016/j.molstruc.2020.128460
1068	Agarwal L., Singh R., Varshney G., SambasivaRao K., Tripathi S.	Design and analysis of Yb doped ZnO (YZO) and P-Si bilayer nano-stacked reflector for optical filter applications	Superlattices and Microstructures	146				2.120	10.1016/j.spmi.2020.106670
1069	Annamalai A.R., Srikanth M., Muthuchamy A., Acharya S., Khisti A., Agrawal D.K., Jen C.-P.	Spark plasma sintering and characterization of Al-TiB ₂ composites	Metals	10	9	1	12	2.117	10.3390/met10091110
1070	Annamalai A.R., Srikanth M., Varshney R., Ashokkumar M.Y., Patro S.K., Jen C.-P.	Microstructure evolution and mechanical properties of spark plasma sintered manganese addition on Ti-48Al-2Cr-2Nb alloys	Metals	10	12	1	10	2.117	10.3390/met10121577
1071	Prajapati R., Emerson I.A.	Construction and analysis of brain networks from different neuroimaging techniques	International Journal of Neuroscience					2.107	10.1080/00207454.2020.1837802
1072	Mohanty S.K.	Time-dependent wave motion with undulated bottom	Acta Mechanica					2.102	10.1007/s00707-020-02838-w

1073	Geetha R., Geetha S.	Embedding electronic patient information in clinical images: an improved and efficient reversible data hiding technique	Multimedia Tools and Applications					2.101	10.1007/s11042-019-08484-2
1074	Sukumar A., Subramaniaswamy V., Vijayakumar V., Ravi L.	A secure multimedia steganography scheme using hybrid transform and support vector machine for cloud-based storage	Multimedia Tools and Applications					2.101	10.1007/s11042-019-08476-2
1075	Karthikeyan K., Saranya R., Bharath R., Vidya R., Itami T., Sudhakaran R.	A simple filter paper-based method for transporting and storing Enterocytozoon hepatopenaei DNA from infected Litopenaeus vannamei tissues	Journal of Invertebrate Pathology	169				2.101	10.1016/j.jip.2019.107305
1076	Mishra D., Majhi B., Bakshi S., Sangaiah A.K., Sa P.K.	Single image super resolution for texture images through neighbor embedding	Multimedia Tools and Applications	79	13-14	8337	8366	2.101	10.1007/s11042-017-5367-5
1077	Polinati S., Dhuli R.	Structural and functional medical image fusion using an adaptive Fourier analysis	Multimedia Tools and Applications					2.101	10.1007/s11042-020-09017-y
1078	Thamim M., Thirumoorthy K.	Chiral discrimination in a mutated IDH enzymatic reaction in cancer: a computational perspective	European Biophysics Journal					2.094	10.1007/s00249-020-01460-x
1079	Prasanna A.P.S., Venkataprasanna K.S., Pannerselvam B., Asokan V., Jeniffer R.S., Venkatasubbu G.D.	Multifunctional ZnO/SiO ₂ Core/Shell Nanoparticles for Bioimaging and Drug Delivery Application	Journal of Fluorescence					2.093	10.1007/s10895-020-02578-z
1080	Pandiselvam R., Mayookha V.P., Kothakota A., Sharmila L., Ramesh S.V., Bharathi C.P., Gomathy K., Srikanth V.	Impact of Ozone Treatment on Seed Germination—A Systematic Review	Ozone: Science and Engineering	42	4	331	346	2.082	10.1080/01919512.2019.1673697

1081	Narayanaswamy L., Yarrappagaari S., Cheemanapallia S., Saddala R.R., Vijayakumar V.	Synthesis, characterization, and hypoglycemic efficacy of nitro and amino acridines and 4- phenylquinoline on starch hydrolyzing compounds: an in silico and in vitro study	Structural Chemistry	31	5	2063	2074	2.081	10.1007/s11224- 020-01529-5
1082	Elavarasan D., Durai Raj Vincent P.M., Srinivasan K., Chang C.-Y.	A hybrid CFS filter and RF-RFE wrapper-based feature extraction for enhanced agricultural crop yield prediction modeling	Agriculture (Switzerland)	10	9	1	27	2.072	10.3390/agricultu re10090400
1083	Prabhakara M.D., Maiti B.	Ionic liquid-immobilized proline(s) organocatalyst-catalyzed one-pot multi-component Mannich reaction under solvent-free condition	Research on Chemical Intermediates					2.064	10.1007/s11164- 020-04096-w
1084	Hemant Kumar P., Jyothish Kumar L., Pavithrra G., Rajasekaran R., Vijayakumar V., Karan R., Sarveswari S.	Design, synthesis and exploration of in silico α -amylase and α -glucosidase binding studies of pyrrolidine- appended quinoline-constrained compounds	Research on Chemical Intermediates					2.064	10.1007/s11164- 019-04068-9
1085	Mohan U.P., Sriram B., Panneerselvam T., Devaraj S., MubarakAli D., Parasuraman P., Palanisamy P., Premanand A., Arunachalam S., Kunjiappan S.	Utilization of plant-derived Myricetin molecule coupled with ultrasound for the synthesis of gold nanoparticles against breast cancer	Naunyn- Schmiedeberg's Archives of Pharmacology					2.058	10.1007/s00210- 020-01874-6
1086	Pandian S.R.K., Pavadai P., Vellaisamy S., Ravishankar V., Palanisamy P., Sundar L.M., Chandramohan V., Sankaranarayanan M., Panneerselvam T., Kunjiappan S.	Formulation and evaluation of rutin- loaded solid lipid nanoparticles for the treatment of brain tumor	Naunyn- Schmiedeberg's Archives of Pharmacology					2.050	10.1007/s00210- 020-02015-9

1087	Shakti D., Mohapatra J., Das P., Vigo-Aguiar J.	A moving mesh refinement based optimal accurate uniformly convergent computational method for a parabolic system of boundary layer originated reaction-diffusion problems with arbitrary small diffusion terms	Journal of Computational and Applied Mathematics					2.037	10.1016/j.cam.2020.113167
1088	Shruthi G., Kumar C.Y.	Dual-band frequency-reconfigurable MIMO PIFA for LTE applications in mobile hand-held devices	IET Microwaves, Antennas and Propagation	14	5	419	427	2.036	10.1049/iet-map.2019.0878
1089	Saha P., Rao K.V.B.	Biotransformation of Reactive Orange 16 by alkaliphilic bacterium Bacillus flexus VITSP6 and toxicity assessment of biotransformed metabolites	International Journal of Environmental Science and Technology	17	1	99	114	2.031	10.1007/s13762-019-02256-z
1090	Thirumalaisamy L., Ahsan N., Sivaperuman K., Kim M., Kunjithapatham S., Okada Y.	Engineering of sub-band in CuGaS ₂ thin films via Mo doping by chemical spray pyrolysis route	Thin Solid Films	709				2.030	10.1016/j.tsf.2020.138252
1091	Ibrahim A.Z., Thirumal Kumar D., Abunada T., Younes S., George Priya Doss C., Zaki O.K., Zayed H.	Investigating the structural impacts of a novel missense variant identified with whole exome sequencing in an Egyptian patient with propionic acidemia	Molecular Genetics and Metabolism Reports	25				2.022	10.1016/j.ymgmr.2020.100645
1092	Kuclourya T., Jain M.K., Mudliar S., Thamba N.B.	Statistical analysis and investigation of tensile test data of coir composites reinforced with graphene, epoxy and carbon fibre	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.014	10.1177/1464420720939998

1093	Takalkar A.S., Chinnapandi L.B.M., Mathan G., Jeyanthi S.	Investigation of deep drawing of lightweight bimetallic Al1050/SS304 sandwich composite cup	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					2.014	10.1177/1464420720964944
1094	Nagarajan H., Narayanaswamy S., Vetrivel U.	Mutational landscape screening of methylene tetrahydrofolate reductase to predict homocystinuria associated variants: An integrative computational approach	Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis	819-820				2.011	10.1016/j.mrfmmm.2020.111687
1095	Narmadha V.V., Jose J., Patil S., Farooqui M.O., Srimuruganandam B., Saravanadevi S., Krishnamurthi K.	Assessment of Microplastics in Roadside Suspended Dust from Urban and Rural Environment of Nagpur, India	International Journal of Environmental Research					2.007	10.1007/s41742-020-00283-0
1096	Narasimha C., Nagaraja Rao A.	Integrating Taylor-Krill herd-based SVM to fuzzy-based adaptive filter for medical image denoising	IET Image Processing	14	3	442	450	2.004	10.1049/iet-ipr.2018.6434
1097	Krishnan M.P.A., Bhagyalakshmi A.T., Holla R., Puzakkal N., Ranjith C.P., Vysakh R., Irfad M.P., Ramasubramanian V., Hu J., Momeen M.U.	A technique for quantifying the sensitivity of dosimetric tool gamma with 2D detector array in pretreatment IMRT plans by segment deletion method	Radiologia Medica					2.000	10.1007/s11547-020-01259-y
1098	Thakur S., Das B.	Performance evaluation of microbial fuel cell with sewage wastewater and RO concentrate using composite anode made of Luffa aegyptiaca	Environmental Progress and Sustainable Energy					1.989	10.1002/ep.13504
1099	Rajamurugan G., Sanjay A.P., Krishnasamy P., Muralidharan B., Jain S.	Drilling and mechanical performance analysis on flax-sisal hybrid composite embedded with perforated aluminum foil	Journal of Reinforced Plastics and Composites					1.987	10.1177/0731684420937070

1100	Shah N.A., Animasaun I.L., Wakif A., Koriko O.K., Sivaraj R., Adegbe K.S., Abdelmalek Z., Vaidyaa H., Ijirimoye A.F., Prasad K.V.	Significance of suction and dual stretching on the dynamics of various hybrid nanofluids: Comparative analysis between type I and type II models	Physica Scripta	95	9			1.985	10.1088/1402-4896/aba8c6
1101	Jakeer S., Bala Anki Reddy P.	Entropy generation on EMHD stagnation point flow of hybrid nanofluid over a stretching sheet: Homotopy perturbation solution	Physica Scripta	95	12			1.985	10.1088/1402-4896/abc03c
1102	Srinivasan K., Samuel E.J.J.	Target biological tissue and energy influence on dose enhancement factor produced by gold nanoparticles and its relevant radiological properties	Radiation Physics and Chemistry	174				1.984	10.1016/j.radphyschem.2020.108912
1103	Rethinam S., Nallathambi G., Vijayan S., Basaran B., Mert A., Bayraktar O., Wilson Aruni A.	A new approach for the production of multifilament suture - in vitro and in vivo analysis	International Journal of Polymeric Materials and Polymeric Biomaterials					1.982	10.1080/00914037.2020.1798432
1104	Kopilakkal R., Musuvathi B.M.	Evaluation of hepatoprotective activity of clerodendrum paniculatum leaf on carbon tetrachloride-induced liver toxicity model in swiss albino rats and its characterization by gc-ms	Endocrine, Metabolic and Immune Disorders - Drug Targets	20	7	1097	1109	1.973	10.2174/1871530320666200312152331

1105	Shyam S., Kaul S., Kalsara N., Babu T.N.	Mechanical behaviour and microscopic analysis of epoxy and E-glass reinforced banyan fibre composites with the application of artificial neural network and deep neural network for the automatic prediction of orientation	Journal of Composite Materials					1.972	10.1177/0021998320947136
1106	Ramanujam P., Arumugam C., Venkatesan R., Ponnusamy M.	Design of compact patch antenna with enhanced gain and bandwidth for 5G mm-wave applications	IET Microwaves, Antennas and Propagation	14	12	1455	1461	1.972	10.1049/iet-map.2019.0891
1107	Rajakumar G., Zhang X.-H., Gomathi T., Wang S.-F., Ansari M.A., Mydhili G., Nirmala G., Alzohairy M.A., Chung I.-M.	Current use of carbon-based materials for biomedical applications-A prospective and review	Processes	8	3			1.963	10.3390/PR8030355
1108	Rangaiah G.P., Feng Z., Hoadley A.F.	Multi-objective optimization applications in chemical process engineering: Tutorial and review	Processes	8	5			1.963	10.3390/PR8050508
1109	Thulasi S., Sivabalan S.	Hybrid structure based on no-core and graded-index multimode fibers as saturable absorber for a self-starting mode-locked Yb-doped fiber laser	Applied Optics	59	24	7357	7363	1.961	10.1364/AO.395356
1110	Mannully S.T., Rekha V.P.B., Singh N., Shanthi C., Pulicherla K.K.	Purification and in vivo stability and half-life of recombinant lipid modified staphylokinase	Biologicals					1.960	10.1016/j.biologicals.2020.01.009
1111	Banerjee A., Nabi M., Raghunathan T.	Time-energy optimal guidance strategy for realistic interceptor using pseudospectral method	Transactions of the Institute of Measurement and Control					1.956	10.1177/0142331220910919
1112	Gundabattini E., Kuppan R., Solomon D.G., Kalam A., Kothari D.P., Abu Bakar R.	A review on methods of finding losses and cooling methods to increase efficiency of electric machines	Ain Shams Engineering Journal					1.949	10.1016/j.asej.2020.08.014

1113	Elamathi P., Chandrasekar G., Balamurali M.M.	Nanoporous AISBA-15 catalysed Claisen–Schmidt condensation for the synthesis of novel and biologically active chalcones	Journal of Porous Materials					1.947	10.1007/s10934-019-00854-3
1114	Kamil M.S.M., Cheralathan K.K.	Facile synthesis of hydrothermally stable mesoporous ZSM-5 zeolite from Al- SBA-16 via steam assisted crystallization	Journal of Porous Materials					1.947	10.1007/s10934-019-00839-2
1115	Imran M., Rahaman A., Shaik A.H., Chandan M.R.	Stability enhancement of highly loaded nano-clay-based flexible polyurethane foams using hollow glass microspheres	Journal of Cellular Plastics					1.947	10.1177/0021955X20912203
1116	De S., Ashok Kumar S.K.	Highly selective and potent anti-cancer agents based on 2,9-substituted-1,10-phenanthroline derivatives	Inorganic Chemistry Communications	119				1.943	10.1016/j.inoche.2020.108085
1117	Kavitha K., Sivakumar A.	Impact of titanium concentration in structural and optical behaviour of nano Bi ₂ Ce _{2-x} Ti _x O ₇ (x = 0–1) high NIR reflective and UV shielding yellow and orange pigments	Inorganic Chemistry Communications	120				1.943	10.1016/j.inoche.2020.108163
1118	Muthukumar V., KulathuIyer S.	Twisted pyrene with perfect hetero atomic cavity optical sensor for Hg ²⁺ and Pb ²⁺	Inorganic Chemistry Communications	121				1.943	10.1016/j.inoche.2020.108187
1119	Muthukumar V., KulathuIyer S.	A simple and optically responsive chemosensor for the detection of Al ³⁺ and Cr ³⁺ : In live cells and real sample analysis	Inorganic Chemistry Communications	122				1.943	10.1016/j.inoche.2020.108289
1120	Kothandan S., Angappan S.	Synthesis and Characterization of Serendipitous Dioxovanadates and Their DNA/BSA Interaction Studies and In Vitro Cytotoxic activity	Journal of Inorganic and Organometallic Polymers and Materials					1.941	10.1007/s10904-020-01815-z

1121	Sriramulu M., Balaji, Sumathi S.	Photo Catalytic, Antimicrobial and Antifungal Activity of Biogenic Iron Oxide Nanoparticles Synthesised Using Aegle marmelos Extracts	Journal of Inorganic and Organometallic Polymers and Materials					1.941	10.1007/s10904-020-01812-2
1122	Lathabhavan R., Griffiths M.	First case of student suicide in India due to the COVID-19 education crisis: A brief report and preventive measures	Asian Journal of Psychiatry	53				1.932	10.1016/j.ajp.2020.102202
1123	Koppala S., Souza R.M.D., Sivanandam P., Tammina S.K., Xu L., Li K., Chen Q., Balan R., Devarepally K.K., Swamiappan S.	Sol gel combustion derived monticellite bioceramic powders for apatite formation ability evaluation	Materials Research Express	6	12			1.929	10.1088/2053-1591/ab8256
1124	Chandiran K., Murugesan R.A., Balaji R., Andrews N.G., Pitchaimuthu S., Nagamuthu Raja K.C.	Long single crystalline α -Mn ₂ O ₃ nanorods: Facile synthesis and photocatalytic application	Materials Research Express	7	7			1.929	10.1088/2053-1591/ab9fbd
1125	Reddy P.L., Deshmukh K., Kovářik T., Reiger D., Nambiraj N.A., Lakshmipathy R., Khadheer Pasha S.K.	Enhanced dielectric properties of green synthesized Nickel Sulphide (NiS) nanoparticles integrated polyvinylalcohol nanocomposites	Materials Research Express	7	6			1.929	10.1088/2053-1591/ab955f
1126	Chandunika R.K., Vijayaraghavan R., Sahu N.K.	Magnetic hyperthermia application of MnFe ₂ O ₄ nanostructures processed through solvents with the varying boiling point	Materials Research Express	7	6			1.929	10.1088/2053-1591/ab955e
1127	Monunith M., Rajan S A., Sahu N.K.	Comparative study of enzymatic and non-enzymatic detection of glucose using manganese ferrite nanoparticles	Materials Research Express	7	9			1.929	10.1088/2053-1591/abb32e
1128	Das S., Pandivelan C.	Grinding characteristics during ultrasonic vibration assisted grinding of alumina ceramic in selected dry and MQL conditions	Materials Research Express	7	8			1.929	10.1088/2053-1591/abad14

1129	Vinu Kumar S.M., Senthil Kumar K.L., Siddhi Jailani H., Rajamurugan G.	Mechanical, DMA and Sound Acoustic behaviour of Flax woven fabric reinforced Epoxy composites	Materials Research Express	7	8			1.929	10.1088/2053-1591/abaea5
1130	Annamalai A.R., James J., Kuppan P., Hemakumar S., Jen C.-P.	Studies on mechanical property of squeeze cast and heat treated AA6061-ZrO ₂ composite	Materials Research Express	7	8			1.929	10.1088/2053-1591/abaac9
1131	Annamalai A.R., Chaurasia J.K., Srikanth M., Agrawal D.K., Jen C.-P.	A study of silicon carbide reinforced W-Ni-Cu based heavy alloys sintered with different heating modes	Materials Research Express	7	12			1.929	10.1088/2053-1591/abccf7
1132	Nivetha R., Sajeev A., Mary Paul A., Gothandapani K., Gnanasekar S., Jacob G., Sellappan R., Raghavan V., Krishna Chandar N., Pitchaimuthu S., Jeong S.K., Nirmala Grace A.	Cu based Metal Organic Framework (Cu-MOF) for electrocatalytic hydrogen evolution reaction	Materials Research Express	7	11			1.929	10.1088/2053-1591/abb056
1133	Durairaj K., Roy B., Chandrasekaran N., Krishnan S.P., Mukherjee A.	Silver nanorods induced oxidative stress and chromosomal aberrations in the Allium cepa model	IET Nanobiotechnology	14	2	161	166	1.925	10.1049/iet-nbt.2019.0224
1134	Rath K., Ranganathan P., Vasappa R.K., Balasundaram S.T.	Superparamagnetic hematite nanoparticle: Cytogenetic impact on onion roots and seed germination response of major crop plants	IET Nanobiotechnology	14	2	133	141	1.925	10.1049/iet-nbt.2019.0189
1135	Yepuganti K., Saladi S., Narasimhulu C.V.	Segmentation of tumor using PCA based modified fuzzy C means algorithms on MR brain images	International Journal of Imaging Systems and Technology					1.925	10.1002/ima.22451
1136	Selvaraj D., Venkatesan A., Mahesh V.G.V., Joseph Raj A.N.	An integrated feature frame work for automated segmentation of COVID-19 infection from lung CT images	International Journal of Imaging Systems and Technology					1.925	10.1002/ima.22525

1137	Baskaran S., Sathiavelu M.	Application of Attenuated Total Reflection - Fourier Transform Infrared spectroscopy to characterize the degradation of littered multilayer food packaging plastics	Vibrational Spectroscopy	109					1.917	10.1016/j.vibspec.2020.103105
1138	George M., Mohanty A.	Viscoelastic and mechanical characterization of graphene decorated with graphene quantum dots reinforced epoxy composites	Polymer Engineering and Science						1.917	10.1002/pen.25531
1139	Ramteke S.P., Kalainathan S., Anis M., Muley G.G., Baig M.I., Algarni H.	Novel report on luminescence, linear and laser induced optical traits of potassium aluminium sulphate crystal for photonic device applications	Optik	201					1.914	10.1016/j.ijleo.2019.163509
1140	Polinati S., Dhuli R.	Multimodal medical image fusion using empirical wavelet decomposition and local energy maxima	Optik	205					1.914	10.1016/j.ijleo.2019.163947
1141	G R.K., G R.	FE simulation for stress distribution and surface deformation in Ti-6Al-4V induced by interaction of multi scale laser shock peening parameters	Optik	206					1.914	10.1016/j.ijleo.2020.164280
1142	Chaki J.	A two-fold fusion fuzzy framework to restore non-uniform illuminated blurred image	Optik	206					1.914	10.1016/j.ijleo.2020.164197
1143	Melwin G., Senthilnathan K.	High sensitive D-shaped photonic crystal fiber sensor with V-groove analyte channel	Optik	213					1.914	10.1016/j.ijleo.2020.164779
1144	Elgin Christo V.R., Khanna Nehemiah H., Nahato K.B., Brighty J., Kannan A.	Computer assisted medical decision-making system using genetic algorithm and extreme learning machine for diagnosing allergic rhinitis	International Journal of Bio-Inspired Computation	16	3	148	157		1.914	10.1504/IJBIC.2020.111279

1145	Acharjya D.P., Acharjya B.	An integrated partial least square and rough set approach for studying pilgrimage attitude towards cultural heritage of Odisha	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-01687-8
1146	Visu P., Praba T.S., Sivakumar N., Srinivasan R., Sethukarasi T.	Bio-inspired dual cluster heads optimized routing algorithm for wireless sensor networks	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-019-01657-9
1147	Reddy V., Gayathri P.	Energy efficient data transmission in WSN thru compressive slender penetrative etiquette	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-01724-6
1148	Vasanthi R., Jayavadivel R., Prasad K., Vellingiri J., Akilarasu G., Sudhakar S., Balasubramaniam P.M.	A novel user interaction middleware component system for ubiquitous soft computing environment by using fuzzy agent computing system	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-01893-4
1149	Naidu R.P.K., Meikandasivam S.	Performance investigation of grid integrated photovoltaic/wind energy systems using ANFIS based hybrid MPPT controller	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-01967-3
1150	David Raj G., Mukherjee S., Uma G.V., Jasmine R.L., Balamurugan R.	Query expansion for patent retrieval using a modified stellar-mass black hole optimization	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-01894-3

1151	Sakthivel R., Raguath G.	Low power area optimized and high speed carry select adder using optimized half sum and carry generation unit for FIR filter	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-02062-3
1152	Gadekallu T.R., Khare N., Bhattacharya S., Singh S., Maddikunta P.K.R., Srivastava G.	Deep neural networks to predict diabetic retinopathy	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-01963-7
1153	Angayarkanni S.A., Sivakumar R., Ramana Rao Y.V.	Hybrid Grey Wolf: Bald Eagle search optimized support vector regression for traffic flow forecasting	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-02182-w
1154	Rajput A., Kumaravelu V.B.	FCM clustering and FLS based CH selection to enhance sustainability of wireless sensor networks for environmental monitoring applications	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-02159-9
1155	Thyagarajan J., Kulanthaivelu S.	A joint hybrid corona based opportunistic routing design with quasi mobile sink for IoT based wireless sensor network	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-02116-6
1156	Saravana Karthikeyan M., Sasikala R., Karthikeyan N., Karthik S.	Improved performance of cloud servers using LBSDD factors of private cloud	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-02125-5
1157	Sekaran K., Sudha M.	Predicting autism spectrum disorder from associative genetic markers of phenotypic groups using machine learning	Journal of Ambient Intelligence and Humanized Computing					1.910	10.1007/s12652-020-02155-z
1158	Lokesh R., Jeyakanthan J., Kannabiran K.	Targeting VEGFR2 protein by marine Streptomyces globosus VITLGK011-derived compound BECA: An in vitro and in silico analysis	Journal of Basic Microbiology					1.909	10.1002/jobm.202000461

1159	Lischi S., Odelli E., Perumal J.L., Lucejko J.J., Ribechini E., Mariotti Lippi M., Selvaraj T., Colombini M.P., Raneri S.	Indian Ocean trade connections: characterization and commercial routes of torpedo jars	Heritage Science	8	1			1.902	10.1186/s40494-020-00425-9
1160	Sreejith S., Khanna Nehemiah H., Kannan A.	A Classification Framework using a Diverse Intensified Strawberry Optimized Neural Network (DISON) for Clinical Decision-making	Cognitive Systems Research	64		98	116	1.902	10.1016/j.cogsys.2020.08.003
1161	Raj S.S., Rajan P.I., Ghosh N., Navamathavan R.	X-ray photoelectron spectroscopy study on YbFe ₂ As ₂ crystals prepared by different growth temperatures	Physica B: Condensed Matter					1.902	10.1016/j.physb.2020.412688
1162	Kunjiappan S., Pavadai P., Vellaichamy S., Ram Kumar Pandian S., Ravishankar V., Palanisamy P., Govindaraj S., Srinivasan G., Premanand A., Sankaranarayanan M., Theivendren P.	Surface receptor-mediated targeted drug delivery systems for enhanced cancer treatment: A state-of-the-art review	Drug Development Research					1.902	10.1002/ddr.21758
1163	Naik V.S., Pragasam A., Jayanna H.S., Vinitha G.	Synthesis, molecular structural investigations, thermal, linear and nonlinear optical properties of a chalcone containing thiophene moiety by experimental and computation method	Chemical Physics Letters	754				1.901	10.1016/j.cplett.2020.137680
1164	Dalavai R., Gomathi K., Naresh K., Nawaz Khan F.-R.	One-Pot Synthesis of Quinolinyl Amino Nitriles and Their Antidiabetic, Anti-inflammatory, Antioxidant, and Molecular Docking Studies	Polycyclic Aromatic Compounds			1	15	1.894	10.1080/10406638.2020.1791917

1165	Gajalakshmi S., Asharani I.V., Thirumalai D.	Synthesis and Antioxidant Activity of Functionalized Pyridinyl-Methylthiosemicarbazide Derivatives	Polycyclic Aromatic Compounds					1.894	10.1080/10406638.2020.1866033
1166	Suneel Kumar Y., Nawaz Khan F.-R.	Copper-Free, Pd(OAc) ₂ and Ruphos Catalyzed, Csp ² -Csp Bond Formation of Tautomerizable Quinolinones	Polycyclic Aromatic Compounds					1.894	10.1080/10406638.2020.1852278
1167	Surendar A., Kavitha M., Arun M., Panwar V.	Reliability Assessment of Solder Joints in Electronic Devices under Extreme Thermal Fluctuations	IEEE Transactions on Components, Packaging and Manufacturing Technology	10	8	1394	1400	1.889	10.1109/TCPMT.2020.3005215
1168	Rajan T.P., Sundaresan S.	Thermal comfort properties of plasma-treated warp-knitted spacer fabric for the shoe insole	Journal of Industrial Textiles	49	9	1218	1232	1.884	10.1177/1528083718811084
1169	Krishnasamy P., Rajamurugan G., Thirumurugan M.	Performance of fiber metal laminate composites embedded with AL and CU wire mesh	Journal of Industrial Textiles					1.884	10.1177/1528083720935570
1170	Kundu G.K., Majumdar J.P.	The learning and teaching area of AACSB standards: a process model framework	Business Process Management Journal					1.880	10.1108/BPMJ-11-2017-0295
1171	D. Prabhu Y., Valsala Gopalakrishnan A.	γ -Linolenic acid ameliorates DHEA induced pro-inflammatory response in polycystic ovary syndrome via PPAR- γ signaling in rats	Reproductive Biology					1.880	10.1016/j.repbio.2020.05.004
1172	Shoba M., Kaleemulla S., Krishnamoorthi C.	Structural, dielectric and magnetic properties of ZnFe ₂ -xSr _x O ₄ nanoparticles prepared by co-precipitation method	Physica B: Condensed Matter	583				1.874	10.1016/j.physb.2020.412018

1173	Nageshwari M., Thaya Kumari C.R., Sudha S., Vinitha G., Caroline M.L., Mathubala G., Manikandan A.	Spectral, dielectric, mechanical and optical characteristics of LPDMCl single crystal for nonlinear optical applications	Physica B: Condensed Matter	582				1.874	10.1016/j.physb.2019.411980
1174	Andrew M., Jayaraman G.	Structural features of microbial exopolysaccharides in relation to their antioxidant activity	Carbohydrate Research	487				1.873	10.1016/j.carres.2019.107881
1175	Das P., Naganna S.R., Deka P.C., Pushparaj J.	Hybrid wavelet packet machine learning approaches for drought modeling	Environmental Earth Sciences	79	10			1.871	10.1007/s12665-020-08971-y
1176	Sriramulu M., Shanmugam S., Ponnusamy V.K.	Agaricus bisporus mediated biosynthesis of copper nanoparticles and its biological effects: An in-vitro study	Colloids and Interface Science Communications	35				1.870	10.1016/j.colcom.2020.100254
1177	Jabarullah N.H., Surendar A., Arun M., Siddiqi A.F., Krasnopevtseva T.	Microstructural Characterization and Unified Reliability Assessment of Aged Solder Joints in a PV Module	IEEE Transactions on Components, Packaging and Manufacturing Technology	10	6	1028	1034	1.860	10.1109/TCPMT.2020.2972027
1178	Gunasekaran V., Pitchaimani J., Mailan Chinnapandi L.B.	Analytical investigation on free vibration frequencies of polymer nano composite plate: Effect of graphene grading and non-uniform edge loading	Materials Today Communications	24				1.859	10.1016/j.mtcomm.2020.100910
1179	Khan A., Sahu N.K.	Folate encapsulation in PEG-diamine grafted mesoporous Fe ₂ O ₃ nanoparticles for hyperthermia and in vitro assessment	IET Nanobiotechnology	14	9	881	888	1.859	10.1049/iet-nbt.2020.0101
1180	Jayasingh S., Selvaraj T., Raneri S.	Evaluating the Impact of Organic Addition and Aggregate Gradation on Air Lime Mortar: New Compatible Green Material for Heritage Application	International Journal of Architectural Heritage					1.853	10.1080/15583058.2020.1836287

1181	Prajapati R., Emerson I.A.	Global and regional connectivity analysis of resting-state function MRI brain images using graph theory in Parkinson's disease	International Journal of Neuroscience					1.852	10.1080/00207454.2020.1733559
1182	Mishra S.K., Manjula R.	A meta-heuristic based multi objective optimization for load distribution in cloud data center under varying workloads	Cluster Computing					1.851	10.1007/s10586-020-03071-9
1183	Kalyan Chakravarthi K., Shyamala L., Vaidehi V.	Budget aware scheduling algorithm for workflow applications in IaaS clouds	Cluster Computing					1.851	10.1007/s10586-020-03095-1
1184	Sharmila A.H., Jaisankar N.	E-MHMS: enhanced MAC-based secure delay-aware healthcare monitoring system in WBAN	Cluster Computing					1.851	10.1007/s10586-020-03121-2
1185	Munirathinam T., Ganapathy S., Kannan A.	Cloud and IoT based privacy preserved e-Healthcare system using secured storage algorithm and deep learning	Journal of Intelligent and Fuzzy Systems	39	3	3011	3023	1.851	10.3233/JIFS-191490
1186	Vo T., Sharma R., Kumar R., Son L.H., Pham B.T., Bui D.T., Priyadarshini I., Sarkar M., Le T.	Crime rate detection using social media of different crime locations and Twitter part-of-speech tagger with Brown clustering	Journal of Intelligent and Fuzzy Systems	38	4	4287	4299	1.851	10.3233/JIFS-190870
1187	Quadir M.A., Christy Jackson J., Prassanna J., Sathyarajasekaran K., Kumar K., Sabireen H., Ubarhande S., Vijaya Kumar V.	An efficient algorithm to detect DDoS amplification attacks	Journal of Intelligent and Fuzzy Systems	39	6	8565	8572	1.851	10.3233/JIFS-189173
1188	Ragala R., Bharadwaja Kumar G.	Recursive Block LU Decomposition based ELM in Apache Spark	Journal of Intelligent and Fuzzy Systems	39	6	8205	8215	1.851	10.3233/JIFS-189141
1189	Kirn Kumar N., Indra Gandhi V.	Design of fuzzy logic controller for load frequency control in an isolated hybrid power system	Journal of Intelligent and Fuzzy Systems	39	6	8273	8283	1.851	10.3233/JIFS-189147

1190	Babu B.P., Indragandhi V.	Fuzzy implemented harmonic analysis in a three phase induction motor	Journal of Intelligent and Fuzzy Systems	39	6	8225	8235	1.851	10.3233/JIFS-189143
1191	Christy J.J., Rekha D., Vijayakumar V., Carvalho G.H.S.	Optimal broadcast scheduling method for VANETs: An adaptive discrete firefly approach	Journal of Intelligent and Fuzzy Systems	39	6	8125	8137	1.851	10.3233/JIFS-189134
1192	Alamelu M., Pradeep Kumar T.S., Vijayakumar V.	Fuzzy rule based SLA generation algorithms for web based multi party negotiation systems	Journal of Intelligent and Fuzzy Systems	39	6	8345	8356	1.851	10.3233/JIFS-189153
1193	Stephan T., Rajappa A., Sendhil Kumar K.S., Gupta S., Shankar A., Vijayakumar V.	Modified fuzzy-based greedy routing protocol for VANETs	Journal of Intelligent and Fuzzy Systems	39	6	8357	8364	1.851	10.3233/JIFS-189154
1194	Varghese L.J., Sira Jacob S., Banumathi S., Ravi L., Vairavasundaram S., Jacob Raglend I.	Fuzzy based optimal switching angle-PWM controller for 27-level asymmetric multi-level inverter	Journal of Intelligent and Fuzzy Systems	39	6	8507	8519	1.851	10.3233/JIFS-189168
1195	Elavarasan D., Vincent D.R.	Reinforced XGBoost machine learning model for sustainable intelligent agrarian applications	Journal of Intelligent and Fuzzy Systems	39	5	7605	7620	1.851	10.3233/JIFS-200862
1196	Gunasekaran B., Gothandam K.M.	A review on edible vaccines and their prospects	Brazilian Journal of Medical and Biological Research	53	2			1.850	10.1590/1414-431x20198749
1197	Devarakonda V., Dwivedi A.D.D., Pandey A., Chakrabarti P.	Performance analysis of N+-CdTe/n0-Hg0.824675Cd0.175325Te/p+-Hg0.824675Cd0.175325Ten-i-p photodetector operating at 30 μm wavelength for terahertz applications	Optical and Quantum Electronics	52	7			1.842	10.1007/s11082-020-02450-1
1198	Saranya D., Anbazhagan R.	Design and analysis of optical logic gates based on trifurcation structured 2D photonic crystals	Optical and Quantum Electronics	52	8			1.842	10.1007/s11082-020-02489-0
1199	Muthu K.E., Selvendran S., Keerthana V., Murugalakshmi K., Raja A.S.	Design and analysis of a reconfigurable XOR/OR logic gate using 2D photonic crystals with low latency	Optical and Quantum Electronics	52	10			1.842	10.1007/s11082-020-02550-y

1200	Giraka O., Selvaraj V.K.	Short-term prediction of intersection turning volume using seasonal ARIMA model	Transportation Letters	12	7	483	490	1.840	10.1080/19427867.2019.1645476
1201	Chukka N.D.K.R., Krishnamurthy M.	Seismic performance assessment of structure with hybrid passive energy dissipation device	Structures	27		1246	1259	1.839	10.1016/j.istruc.2020.07.038
1202	Rakshith B.D., Suneel Kumar M.	Behaviour of steel columns with realistic boundary restraints under standard fire	Structures	28		626	637	1.839	10.1016/j.istruc.2020.08.028
1203	Patil S., Mallikarjuna Reddy D.	Impact damage assessment in carbon fiber reinforced composite using vibration-based new damage index and ultrasonic C-scanning method	Structures	28		638	650	1.839	10.1016/j.istruc.2020.09.011
1204	Twinkle C.M., Pitchaimani J., Rajamohan V.	Free vibration modes of rectangular plate under non-uniform heating: An experimental investigation	Structures	28		1802	1817	1.839	10.1016/j.istruc.2020.09.074
1205	Gomathinayagam S., Kodiveri Muthukaliannan G.	Metagenomic Analysis of the Faecal Microbiome of Rats with 1, 2-Dimethylhydrazine Induced Colon Cancer and Prophylactic Whole-Cell Carotenoid Intervention	Indian Journal of Microbiology					1.830	10.1007/s12088-020-00909-z
1206	Bhattarai A., Emerson I.A.	Dynamic conformational flexibility and molecular interactions of intrinsically disordered proteins	Journal of Biosciences	45	1			1.823	10.1007/s12038-020-0010-4
1207	R.M S.P., Bhattacharya S., Maddikunta P.K.R., Somayaji S.R.K., Lakshmana K., Kaluri R., Hussien A., Gadekallu T.R.	Load balancing of energy cloud using wind driven and firefly algorithms in internet of everything	Journal of Parallel and Distributed Computing	142		16	26	1.819	10.1016/j.jpdc.2020.02.010

1208	Yazdinejad A., Parizi R.M., Dehghantanha A., Srivastava G., Mohan S., Rababah A.M.	Cost optimization of secure routing with untrusted devices in software defined networking	Journal of Parallel and Distributed Computing	143		36	46	1.819	10.1016/j.jpdc.2020.03.021
1209	Samantaray D., Das M.K., Patel D.K.	Turbulence characteristics of high Reynolds number flow inside a three-dimensional cubic lid-driven cavity	European Journal of Mechanics, B/Fluids	84		23	39	1.811	10.1016/j.euromechflu.2020.05.009
1210	Reddy Onteddu S., Ramana Mutchu B., Durga Thripuram V., Chandu B., Lakshmi Chavakula R., Rayalu Golkonda M., Kotra V., Babu Bollikolla H.	Synthesis and Anticancer Activity of Some New 2-Benzyloxy-5-alkyne Substituted Pyrimidines: An Application to Sonogashira Coupling	ChemistrySelect	5	27	8194	8197	1.811	10.1002/slct.202001668
1211	Krishna A., Vijayakumar V., Sarveswari S.	Synthesis of New 3-(2-Amino-6-arylpyrimidin-4-yl)-4-hydroxyquinolin-2(1H)-ones and Their In Vitro Antimicrobial and "DPPH" Scavenging Activity Evaluation	ChemistrySelect	5	26	7967	7972	1.811	10.1002/slct.202002082
1212	Chandrasekar S., Singh F.V.	Metal-Free Synthesis of Thermally Stable Fluorescent p-Terphenyls by Ring Transformation of 2H-Pyran-2-ones	ChemistrySelect	5	25	7452	7459	1.811	10.1002/slct.202001502
1213	Roniboss A., Chanda K., Motilal Balamurali M.	Investigation on Photophysical, Solvatochromism and Biological Significance of Substituted 2H-Indazole Derivatives	ChemistrySelect	5	25	7505	7516	1.811	10.1002/slct.202001477
1214	Teja C., Rahman Nawaz Khan F.	Tetrabutylammonium-Bromide-Promoted Synthesis of Spirooxindoles through Alkyne-Aldehyde C-C Coupling and 1,3-Dipolar Cycloaddition Using Ytterbium Triflate Catalyst	ChemistrySelect	5	21	6470	6474	1.811	10.1002/slct.202001335

1215	Devi Priya D., Elango G., Mohana Roopan S., Shanavas S., Acevedo R., Golkonda M., Sridharan M.	Abutilon indicum Mediated CuO Nanoparticles: Eco-Approach, Optimum Process of Congo Red Dye Degradation, and Mathematical Model for Multistage Operation	ChemistrySelect	5	28	8572	8576	1.811	10.1002/slct.20200588
1216	Subba Reddy C.V., Sumathi S.	l-Proline Catalyzed Synthesis of Highly Functionalized 4-Hydroxy-4H-chromene-pyrazoles and 4-Hydroxy-4H-chromene-barbiturates in Aqueous Medium	ChemistrySelect	5	28	8729	8734	1.811	10.1002/slct.202001949
1217	Reddy M.M., Sivaramakrishna A.	A Facile L-Proline Catalyzed One-Pot Synthesis of Xanthene and Acridine Based Quinolones via Knoevenagel Condensation Reaction	ChemistrySelect	5	16	4816	4821	1.811	10.1002/slct.201904921
1218	Suresh S., Das S., Waidha K., Maity R., Basu B., Rajendran S.	Multi-Component Approach for Synthesis of Quinoliny-1,4-dihydropyridines, Evaluation of Cytotoxicity against MCF7 and Molecular Docking Studies	ChemistrySelect	5	34	10501	10510	1.811	10.1002/slct.202002612
1219	Mangaonkar S.R., Shetgaonkar S.E., Vernekar A.A., Singh F.V.	Ultrasonic-Assisted Hypervalent Iodine-Catalyzed Cyclization of (E)-2-Hydroxystilbenes to Benzofurans Using Iodobenzene as Pre-catalyst	ChemistrySelect	5	34	10754	10758	1.811	10.1002/slct.202002860
1220	Subramani M., Ramamoorthy G., Hemaiswarya S., Waidha K., Brindha J., Balamurali M.M., Doble M., Rajendran S.	Hydroxy Piperlongumines: Synthesis, Antioxidant, Cytotoxic Effect on Human Cancer Cell Lines, Inhibitory Action and ADMET Studies	ChemistrySelect	5	38	11778	11786	1.811	10.1002/slct.202002453
1221	Sebastin A.X.S., Uthirapathy V.	In Vitro Electrochemical Behavior of Sol-Gel Derived Hydroxyapatite/Graphene Oxide Composite Coatings on 316L SS for Biomedical Applications	ChemistrySelect	5	39	12140	12147	1.811	10.1002/slct.202003368

1222	Kumar Venkatraman S., Saraswat M., Choudhary R., Senatov F., Kaloshkin S., Swamiappan S.	Photocatalytic Degradation of Methylene Blue Dye by Calcium-and Magnesium-Based Silicate Ceramics	ChemistrySelect	5	39	12198	12205	1.811	10.1002/slct.20200 3046
1223	Ramamurthy M., Krishnamurthi I., Vimal S., Robinson Y.H.	Deep learning based genome analysis and NGS-RNA LL identification with a novel hybrid model	BioSystems	197				1.808	10.1016/j.biosystem s.2020.104211
1224	Silambarasan S., Abraham J.	Biodegradation of carbendazim by a potent novel Chryseobacterium sp. JAS14 and plant growth promoting Aeromonas caviae JAS15 with subsequent toxicity analysis	3 Biotech	10	7			1.798	10.1007/s13205- 020-02319-w
1225	Veni A., Lokeswari T.S., Krishna Kumari G.N., Gayathri D., Sudandiradoss C.	Bioactivity of melianone against Salmonella and in silico prediction of a membrane protein target	3 Biotech	10	10			1.798	10.1007/s13205- 020-02441-9
1226	Chandan M.R., Radhakrishnan K., Bal D.K., Rizwan M., Shaik A.H.	Flexible Polyurethane Foam-ZnO Nanocomposite for Photocatalytic Degradation of Textile Dye	Fibers and Polymers	21	10	2314	2320	1.797	10.1007/s12221- 020-1346-y
1227	Shetgaonkar S.E., Singh F.V.	Base-mediated alternate route for multi- functionalized allylbenzenes using ring transformation strategy	Synthetic Communications	50	16	2511	2521	1.796	10.1080/00397911. 2020.1782430
1228	Mahadevi P., Sumathi S.	Mini review on the performance of Schiff base and their metal complexes as photosensitizers in dye-sensitized solar cells	Synthetic Communications	50	15	2237	2249	1.796	10.1080/00397911. 2020.1748200
1229	Devi Priya D., Nandhakumar M., Mohana Roopan S.	Pyrazolo[1,5-a]pyridine: Recent synthetic view on crucial heterocycles	Synthetic Communications					1.796	10.1080/00397911. 2020.1805468
1230	Manne M.R., Panicker R.R., Sivaramakrishna A.	Iodine catalysed first synthesis of 2- Quinolone-Benzothiazolo- Quinazolinone derivatives	Synthetic Communications					1.796	10.1080/00397911. 2020.1821221

1231	Selvendran S., Rajendran S.	Lewis acid-promoted synthesis of highly substituted pyrrole-fused benzoxazinones and quinoxalinones	Synthetic Communications					1.796	10.1080/00397911.2020.1832528
1232	Kanagaraj K., Priya G.G.L.	A new 3D convolutional neural network (3D-CNN) framework for multimedia event detection	Signal, Image and Video Processing					1.794	10.1007/s11760-020-01796-z
1233	Nanda H., Ponnusamy N., Odumpatta R., Jeyakanthan J., Mohanapriya A.	Exploring genetic targets of psoriasis using genome wide association studies (GWAS) for drug repurposing	3 Biotech	10	2			1.786	10.1007/s13205-019-2038-4
1234	Baskararaj S., Panneerselvam T., Govindaraj S., Arunachalam S., Parasuraman P., Pandian S.R.K., Sankaranarayanan M., Mohan U.P., Palanisamy P., Ravishankar V., Kunjiappan S.	Formulation and characterization of folate receptor-targeted PEGylated liposome encapsulating bioactive compounds from Kappaphycus alvarezii for cancer therapy	3 Biotech	10	3			1.786	10.1007/s13205-020-2132-7
1235	Raju S.S., Murali G.B., Patnaik P.K.	Ranking of AI-CSA composite by MCDM approach using AHP–TOPSIS and MOORA methods	Journal of Reinforced Plastics and Composites					1.786	10.1177/0731684420924833
1236	Yuvashree M., Ganesh R.N., Viswanathan P.	Potential application of nanoemulsified garlic oil blend in mitigating the progression of type 2 diabetes-mediated nephropathy in Wistar rats	3 Biotech	10	6			1.786	10.1007/s13205-020-02262-w
1237	AyyappaRaj M., Yadav D., Agrawal D.K., Arunjunai Rajan R.A.	Microstructure and mechanical properties of spark plasma-sintered La ₂ O ₃ dispersion-strengthened W–Ni–Fe alloy	Rare Metals					1.785	10.1007/s12598-020-01390-9

1238	Surendran P., Lakshmanan A., Priya S.S., Balakrishnan K., Rameshkumar P., Hegde T.A., Vinitha G., Ramalingam G., Raj A.A.	Investigations on solid-state parameters of third-order nonlinear optical Ni _{1-x} ZnxFe ₂ O ₄ nanoparticles synthesized by microwave-assisted combustion method	Applied Physics A: Materials Science and Processing	126	4			1.784	10.1007/s00339-020-3435-6
1239	Thiyagamurthy P., Teja C., Naresh K., Gomathi K., Nawaz Khan F.-R.	Design, synthesis and in silico evaluation of benzoxazepino(7,6-b)quinolines as potential antidiabetic agents	Medicinal Chemistry Research					1.783	10.1007/s00044-020-02606-4
1240	P J.J., S L M.	Novel approach of multi-targeted thiazoles and thiazolidenes toward anti-inflammatory and anticancer therapy—dual inhibition of COX-2 and 5-LOX enzymes	Medicinal Chemistry Research					1.783	10.1007/s00044-020-02655-9
1241	Nancy P., Muthurajkumar S., Ganapathy S., Santhosh Kumar S.V.N., Selvi M., Arputharaj K.	Intrusion detection using dynamic feature selection and fuzzy temporal decision tree classification for wireless sensor networks	IET Communications	14	5	888	895	1.779	10.1049/iet-com.2019.0172
1242	Singhal C., Rajesh A.	Review on cross-layer design for cognitive ad-hoc and sensor network	IET Communications	14	6	897	909	1.779	10.1049/iet-com.2019.0636
1243	Priya S.S., Balakrishnan K., Surendran P., Lakshmanan A., Geetha P., Rameshkumar P., Hegde T.A., Vinitha G., Raj A.A.	Investigations on Structural, Mechanical, Optical, Electrical, Third-Order Nonlinear Optical and Antibacterial Activity of 4-Aminopyridine Monophthalate Single Crystal	Journal of Electronic Materials					1.774	10.1007/s11664-020-08497-w
1244	Zhang H., Zhang W., Lv Z., Sangaiah A.K., Huang T., Chilamkurti N.	MALDC: a depth detection method for malware based on behavior chains	World Wide Web	23	2	991	1010	1.770	10.1007/s11280-019-00675-z

1245	Arockiaraj M., Clement J., Paul D., Balasubramanian K.	Relativistic distance-based topological descriptors of Linde type A zeolites and their doped structures with very heavy elements	Molecular Physics					1.767	10.1080/00268976.2020.1798529
1246	Chang C.-Y., Srinivasan K., Wang W.-C., Ganapathy G.P., Vincent D.R., Deepa N.	Quality assessment of tire shearography images via ensemble hybrid faster region-based convnets	Electronics (Switzerland)	9	1			1.764	10.3390/electronic s9010045
1247	Gadekallu T.R., Khare N., Bhattacharya S., Singh S., Maddikunta P.K.R., Ra I.-H., Alazab M.	Early detection of diabetic retinopathy using pca-firefly based deep learning model	Electronics (Switzerland)	9	2			1.764	10.3390/electronic s9020274
1248	Bhattacharya S., Siva Ramakrishnan S., Praveen Kumar Reddy M., Kaluri R., Singh S., Thippa Reddy G., Alazab M., Tariq U.	A novel PCA-firefly based XGBoost classification model for intrusion detection in networks using GPU	Electronics (Switzerland)	9	2			1.764	10.3390/electronic s9020219
1249	Kanniappan S., Samiayya D., Durai Raj Vincent P.M., Srinivasan K., Jayakody D.N.K., Reina D.G., Inoue A.	An efficient hybrid fuzzy-clustering driven 3D- modeling of magnetic resonance imagery for enhanced brain tumor diagnosis	Electronics (Switzerland)	9	3			1.764	10.3390/electronic s9030475
1250	Khare N., Devan P., Chowdhary C.L., Bhattacharya S., Singh G., Singh S., Yoon B.	SMO-DNN: Spider monkey optimization and deep neural network hybrid classifier model for intrusion detection	Electronics (Switzerland)	9	4			1.764	10.3390/electronics 9040692
1251	Srinivasan K., Mahendran N., Vincent D.R., Chang C.-Y., Syed-Abdul S.	Realizing an integrated multistage support vector machine model for augmented recognition of unipolar depression	Electronics (Switzerland)	9	4			1.764	10.3390/electronics 9040647
1252	Bodapati J.D., Veeranjanyulu N., Shareef S.N., Hakak S., Bilal M., Maddikunta P.K.R., Jo O.	Blended multi-modal deep convnet features for diabetic retinopathy severity prediction	Electronics (Switzerland)	9	6			1.764	10.3390/electronics 9060914

1253	Patel D., Srinivasan K., Chang C.-Y., Gupta T., Kataria A.	Network anomaly detection inside consumer networks—a hybrid approach	Electronics (Switzerland)	9	6	1	12	1.764	10.3390/electronics9060923
1254	Shiny Matilda C., Madhusudan I., Gaurav Isola R., Shanthi C.	Potential of proteomics to probe microbes	Journal of Basic Microbiology					1.760	10.1002/jobm.201900628
1255	Devi G.N., Unnisa C.B.N., Roopan S.M., Hemapriya V., Chitra S., Chung I.-M., Kim S.-H., Prabakaran M.	Floxacin: as Mediators in Enhancing the Corrosion Inhibition Efficiency of Natural Polymer Dextrin	Macromolecular Research					1.758	10.1007/s13233-020-8071-7
1256	Kumar V.V., Kumaran S.S., Dhanalakshmi S.	A case study focusing on investigating the tribological performance of Cu-Sn sintered brake pad of off-high road vehicles	Journal of Composite Materials					1.755	10.1177/0021998320929752
1257	Nayak C., Sahoo B.B.	Comparative assessment of biogas and producer gas with diesel in a twin cylinder dual-fuel diesel engine	Journal of the Brazilian Society of Mechanical Sciences and Engineering	42	10			1.755	10.1007/s40430-020-02615-9
1258	Chamkha A.J., Rufuss D.D.W., Kabeel A.E., Sathyamurthy R., Abdelgaid M., Manokar A.M., Madhu B.	Augmenting the potable water produced from single slope solar still using CNT-doped paraffin wax as energy storage: an experimental approach	Journal of the Brazilian Society of Mechanical Sciences and Engineering	42	12			1.755	10.1007/s40430-020-02703-w
1259	Basak S., Prasad K.S., Mehto A., Bagchi J., Ganesh Y.S., Mohanty S., Sidpara A.M., Panda S.K.	Parameter optimization and texture evolution in single point incremental sheet forming process	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	234	02-Jan	126	139	1.752	10.1177/0954405419846001
1260	Mondal H., De P., Goqo S., Sibanda P.	A numerical study of nanofluid flow over a porous vertical plate with internal heat generation and nonlinear thermal radiation	Journal of Porous Media	23	6	517	529	1.752	10.1615/JPorMedia.2020026624

1261	Selvi R., Shukla P., Singh A.K.	Drag on a reiner-rivlin liquid sphere embedded in a porous region placed in a micropolar fluid	Journal of Porous Media	23	6	613	626	1.752	10.1615/JPorMedia.2020027173
1262	Sudhagar P., Kameswaran P.K., Kumar B.R.	Thermal dispersion effect on nanofluid: A revised model	Journal of Porous Media	23	9	923	941	1.752	10.1615/JPorMedia.2020024874
1263	Venkatadri K., Anwar Bég O., Rajarajeswari P., Ramachandra Prasad V., Subbarao A., Hidayathulla Khan B.Md.	Numerical simulation and energy flux vector visualization of radiative-convection heat transfer in a porous triangular enclosure	Journal of Porous Media	23	12	1187	1199	1.752	10.1615/JPORMEDIA.2020033653
1264	Singh J., Mehta A.	Rapid and sensitive detection of mycotoxins by advanced and emerging analytical methods: A review	Food Science and Nutrition					1.747	10.1002/fsn3.1474
1265	Murugusundaramoorthy G., Bulboaca T.	Hankel determinants for new subclasses of analytic functions related to a shell shaped region	Mathematics	8	6			1.747	10.3390/math8061041
1266	Thirumoorthy K., Thimmakonda V.S.	Flat crown ethers with planar tetracoordinate carbon atoms	International Journal of Quantum Chemistry					1.747	10.1002/qua.26479
1267	Jacob J.J., Suthindhiran K.	Diversity of Uncultured Magnetospirillum sp. from the Sediments of South Kerala Sedimentary Basin, India	Current Microbiology					1.746	10.1007/s00284-020-02098-w
1268	Ragavan M.L., Das N.	In Vitro Studies on Therapeutic Potential of Probiotic Yeasts Isolated from Various Sources	Current Microbiology					1.746	10.1007/s00284-020-02100-5
1269	Solomons C.D., Shanmugasundaram V.	Transcranial direct current stimulation: A review of electrode characteristics and materials	Medical Engineering and Physics	85		63	74	1.737	10.1016/j.medengphy.2020.09.015
1270	Gaur G., Velmurugan T., Prakasam P., Nandakumar S.	Application specific thresholding scheme for handover reduction in 5G Ultra Dense Networks	Telecommunication Systems					1.734	10.1007/s11235-020-00701-w

1271	Sumathi D., Manivannan S.S.	Stochastic approach for channel selection in cognitive radio networks using optimization techniques	Telecommunication Systems					1.734	10.1007/s11235-020-00705-6
1272	Rekha R., Mahboob S., Ramya A.K., Kerthekeyan S., Govindarajan M., Al-Ghanim K.A., Al-Misned F., Ahmed Z., Vaseeharan B.	Synthesis and Bio-physical Characterization of Crustin Capped Zinc Oxide Nanoparticles, and Their Photocatalytic, Antibacterial, Antifungal and Antibiofilm Activity	Journal of Cluster Science					1.731	10.1007/s10876-020-01849-w
1273	Karuppusamy P., Senthilvelan J., Vijayakumar V., Sarveswari S.	A Pyrazole-Based Highly Selective Colorimetric Chemosensor for Hg ²⁺ Ion in Semi-Aqueous Medium	ChemistrySelect	5	1	49	53	1.716	10.1002/slct.201903109
1274	Dalavai R., Khan F.N.	RUCY-XylBINAP Catalyzed and Autoclave Assisted Rapid Enantioselective Synthesis of Benzhydrols	ChemistrySelect	5	5	1658	1662	1.716	10.1002/slct.201904704
1275	Sompalle R., Roopan S.M., Priya D.D., Suthindhiran K., Sarkar G., Ranjith M., Arunachalapandi M.	Microwave-Assisted Synthesis of Positional Isomeric Dihydro-triazolo-pyrimido-acridines and Biological studies	ChemistrySelect	5	10	3085	3090	1.716	10.1002/slct.201904621
1276	Thiyagamurthy P., Khan F.R.N.	A Base-Free Pd-Precatalyst Mediated Suzuki-Miyaura and Sonogashira Cross-Coupling in Deep Eutectic Solvents	ChemistrySelect	5	8	2610	2617	1.716	10.1002/slct.20200276
1277	Hussain Shaik A., Jain R., Manchikanti S., Krishnamoorthy K., Kumar Bal D., Rahaman A., Agashe S., Rehaan Chandan M.	Reinstating Structural Stability of Castor Oil based Flexible Polyurethane Foam using Glycerol	ChemistrySelect	5	13	3959	3964	1.716	10.1002/slct.202000784

1278	Bhaskar R., Sarveswari S.	Thiocarbohydrazide based Schiff Base as a Selective Colorimetric and Fluorescent Chemosensor for Hg ²⁺ with "Turn-Off" Fluorescence Responses	ChemistrySelect	5	13	4050	4057	1.716	10.1002/slct.202000652
1279	Kiran T., Pathak M., Chanda K., Balamurali M.M.	DNA and Protein Interaction Studies of Heteroleptic Copper (II) Derivatives of Benzothiazole-Based Schiff Base and N,N-Donor Ligands	ChemistrySelect	5	22	6792	6799	1.716	10.1002/slct.202001246
1280	Ranade S.S., Ramalingam R.	In silico study on pH-based alanine scanning of Phylloseptin-2 helps determine potential mutant sites for futuristic therapeutic analogues	Molecular Simulation	46	14	1084	1093	1.716	10.1080/08927022.2020.1804563
1281	Muthu S.M., Arivarasu M., Krishna T.H., Ganguly S., Prabhakar K.V.P., Mohanty S.	Improvement in hot corrosion resistance of dissimilar alloy 825 and AISI 321 CO ₂ -laser weldment by HVOF coating in aggressive salt environment at 900°C	International Journal of Minerals, Metallurgy and Materials	27	11	1536	1550	1.713	10.1007/s12613-020-2014-3
1282	Muthuchamy A., Boggupalli L.P., Yadav D.R., Naveen Kumar N., Agrawal D.K., Raja Annamalai A.	Particulate-Reinforced Tungsten Heavy Alloy/Yttria-Stabilized Zirconia Composites Sintered Through Spark Plasma Sintering	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-020-04732-y
1283	Dasgupta I., Saha J., Venkatasubbu P., Ramasubramanian P.	AI Crop Predictor and Weed Detector Using Wireless Technologies: A Smart Application for Farmers	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-020-04928-2
1284	Eappen G., Shankar T.	Multi-Objective Modified Grey Wolf Optimization Algorithm for Efficient Spectrum Sensing in the Cognitive Radio Network	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-020-05084-3

1285	Venkatesan K., Nagendra K.U., Anudeep C.M., Cotton A.E.	Experimental Investigation and Parametric Optimization on Hole Quality Assessment During Micro-drilling of Inconel 625 Superalloy	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-020-04992-8
1286	Parimalarenganayaki S.	Managed Aquifer Recharge in the Gulf Countries: A Review and Selection Criteria	Arabian Journal for Science and Engineering					1.711	10.1007/s13369-020-05060-x
1287	Parwin S., Parui J.	Ag nanofluids synthesis in presence of citrate at different stirring rotation and their post reaction stability	Journal of Dispersion Science and Technology			1	12	1.701	10.1080/01932691.2020.1789469
1288	Akkara P.J., Sabina E.P.	A biochemical approach to the anti-inflammatory, antioxidant and antiapoptotic potential of beta-carotene as a protective agent against bromobenzene-induced hepatotoxicity in female wistar albino rats	Journal of Applied Biomedicine	18	03-Feb	87	95	1.700	10.32725/jab.2020.011
1289	Sadasivan S., Kumar Arumugam S., Aggarwal M.C.	Computational investigation of multi-phase flow effects on the performance of the steam turbine exhaust hood	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy					1.694	10.1177/0957650920914808
1290	Ravi Kumar P.S., Arumugam S.K.	Non-Newtonian and non-isothermal numerical modelling of a twin screw hydrogen extruder with slip imposed boundary condition on the screw surface	Fusion Engineering and Design	161				1.692	10.1016/j.fusengdes.2020.111896
1291	Vishnuram P., Ramachandiran G., Ramasamy S., Dayalan S.	A comprehensive overview of power converter topologies for induction heating applications	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12554

1292	Bezawada P., Yeddula P.O., Kota V.R.	A new time domain passive islanding detection algorithm for hybrid distributed generation systems	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12632
1293	Konuru S.L.K., V U., Sarma A.	Deposition of Tungsten – Tantalum composite coating on RAFM steel by sputtering deposition process	Fusion Engineering and Design	160				1.692	10.1016/j.fusengdes.2020.111972
1294	Samuel V.J., Keerthi G., Prabhakar M.	Ultra-high gain DC-DC converter based on interleaved quadratic boost converter with ripple-free input current	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12622
1295	Amalorpavaraj R.A.J., Natarajan P., El-Moursi M., Rosen M.A., Kaliannan P., Subramaniam U.	An outlook on endangering grid security in India due to implementation challenges of low voltage ride through protection in wind turbines	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12672
1296	Basha C.H., Rani C.	Design and analysis of transformerless, high step-up, boost DC-DC converter with an improved VSS-RBFA based MPPT controller	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12633
1297	Sitharthan R., Krishnamoorthy S., Sanjeevikumar P., Holm-Nielsen J.B., Raja Singh R., Rajesh M.	Torque ripple minimization of PMSM using an adaptive Elman neural network-controlled feedback linearization-based direct torque control strategy	International Transactions on Electrical Energy Systems					1.692	10.1002/2050-7038.12685
1298	Elakkiya A., Radha S., Sreeja B.S., Manikandan E.	Terahertz broadband metamaterial absorber enabled by SiO ₂ , polyimide and PET dielectric substrates	Pramana - Journal of Physics	94	1			1.688	10.1007/s12043-020-01999-6
1299	Nivethika S.D., Sreeja B.S., Manikandan E., Radha S., Senthilpandian M.	Dynamic frequency analysis of stress-strain-dependent reversibly deformable broadband RF antenna over unevenly made elastomeric substrate	Pramana - Journal of Physics	94	1			1.688	10.1007/s12043-020-01992-z

1300	Suman P., Lone M.Y., Janardan S., Jha P.C., Sivaramakrishna A., Clayton H.S.	Studies on stability and structural aspects of hydrazide-based hypercoordinate silicon(IV) complexes	Journal of Coordination Chemistry	73	6	917	933	1.685	10.1080/00958972.2020.1753714
1301	Varghese N., Kumar N.	Femvertising as a media strategy to increase self-esteem of adolescents: An experiment in India	Children and Youth Services Review	113				1.684	10.1016/j.childyouth.2020.104965
1302	Dwivedi A.K., Ranjan H., Menon A., Periasamy P.	Noise Reduction in ECG Signal Using Combined Ensemble Empirical Mode Decomposition Method with Stationary Wavelet Transform	Circuits, Systems, and Signal Processing					1.681	10.1007/s00034-020-01498-4
1303	Sanjay R., Venkataramani B., Kumaravel S., Rajan V.S., Kishore K.H.	A Low-Noise Area-Efficient Current Feedback Instrumentation Amplifier	Circuits, Systems, and Signal Processing					1.681	10.1007/s00034-020-01527-2
1304	Arunachalam V., Joseph Raj A.N., Deepika S.	Performance Improvement of Vector-Radix Decimation-in-Frequency 3D-DCT/IDCT Using Variable Word Length	Circuits, Systems, and Signal Processing					1.681	10.1007/s00034-020-01557-w
1305	Nesam J.J.J., Ganesh S.S.	Truncated Multiplier with Delay-Minimized Exact Radix-8 Booth Recoder Using Carry Resist Adder	Circuits, Systems, and Signal Processing					1.681	10.1007/s00034-020-01559-8
1306	Rajalakshmi A.V., Palanisami N.	Investigation on Y-shaped trifluoromethyl substituted quinoxalines: synthesis, optical and morphological studies	Chemical Papers					1.680	10.1007/s11696-020-01266-3
1307	Gomathi R., Ganesamoorthy R., Vinitha G., Settu R., Chen S.M.	Cyclohexylammonium Cinnamate Single Crystal for Nonlinear Optical Applications	Journal of Electronic Materials					1.676	10.1007/s11664-020-08042-9
1308	Geetha S., Abhishek C.S., Akshayanat C.S.	Machine Vision Based Fire Detection Techniques: A Survey	Fire Technology					1.671	10.1007/s10694-020-01064-z
1309	Poluru R.K., Ramasamy L.K.	Optimal cluster head selection using modified rider assisted clustering for IoT	IET Communications	14	13	2090	2097	1.664	10.1049/iet-com.2020.0236

1310	Mees L., Upadhyaya S., Kumar P., Kotawala S., Haran S., Rajasekar S., Friedman D.S., Venkatesh R.	Validation of a Head-mounted Virtual Reality Visual Field Screening Device	Journal of Glaucoma	29	2	86	91	1.661	10.1097/IJG.0000000000001415
1311	Umamaheswari J., Shanthakumar S.	Optimization of temperature and inoculum size for phycoremediation of paddy-soaked rice mill wastewater	Journal of Environmental Engineering (United States)	146	1	1DUMMUUY		1.657	10.1061/(ASCE)EE.1943-7870.0001612
1312	Ekambaram N., Ph.d., Varjani S., Ph.d., Goswami S., Singh U., Kapoor T.	Chitosan-Based Silver Nanocomposite for Hexavalent-Chromium Removal from Tannery Industry Effluent Using a Packed-Bed Reactor	Journal of Environmental Engineering (United States)	146	6			1.657	10.1061/(ASCE)EE.1943-7870.0001701
1313	Sathishkumar M., Manikandan M.	Development of Pulsed Current Arc Welding to Preclude Carbide Precipitates in Hastelloy X Weldment Using ERNiCr-3	Journal of Materials Engineering and Performance					1.652	10.1007/s11665-020-05010-6
1314	Anirudh P.V., Kumar B., Girish G., Shailesh S., Oyyaravelu R., Kannan C., Balan A.S.S.	Effect of Cryogenics-Assisted Low-Plasticity Burnishing on Laser-Clad Stellite 6 over SS420 Substrate	Journal of Materials Engineering and Performance					1.652	10.1007/s11665-020-05152-7
1315	Kumaran T.A.V., Reddy S.A.N.J., Jerome S., Anbarasan N., Arivazhagan N., Manikandan M., Sathishkumar M.	Development of Pulsed Cold Metal Transfer and Gas Metal Arc Welding Techniques on High-Strength Aerospace-Grade AA7475-T761	Journal of Materials Engineering and Performance					1.652	10.1007/s11665-020-05240-8
1316	Jonnalagadda V.K., Elumalai V.K., Singh H., Prasad A.	Nonlinear control design using Takagi-Sugeno fuzzy applied to under-actuated visual servo system	Transactions of the Institute of Measurement and Control					1.649	10.1177/0142331220936584
1317	Kim S.C., Prabakaran R., Sakthivadivel D., Thangapandian N., Bhatia A., Ganesh Kumar P.	Thermal transport properties of carbon-assisted phase change nanocomposite	Fullerenes Nanotubes and Carbon Nanostructures					1.648	10.1080/1536383X.2020.1786814

1318	Sheth D., Maiti S., Patel S., Kandasamy J., Chandan M.R., Rahaman A.	Enhancement of mechanical properties of carbon fiber reinforced epoxy matrix laminated composites with multiwalled carbon nanotubes	Fullerenes Nanotubes and Carbon Nanostructures					1.648	10.1080/1536383X.2020.1839424
1319	Sahu N.K., Biswal D.K., Joseph S.V., Mohanty S.C.	Vibration and damping analysis of doubly curved viscoelastic-FGM sandwich shell structures using FOSDT	Structures	26		24	38	1.646	10.1016/j.istruc.2020.04.007
1320	Nabi J., Abdul R.A.	Employing B-Spline approach in parametric assessment of catenary shaped fabric-formed concrete beams	Structures	27		474	486	1.646	10.1016/j.istruc.2020.05.055
1321	Harishkumar R., Selvaraj C.I.	Lotusine, an alkaloid from Nelumbo nucifera (Gaertn.), attenuates doxorubicin-induced toxicity in embryonically derived H9c2 cells	In Vitro Cellular and Developmental Biology - Animal	56	5	367	377	1.645	10.1007/s11626-020-00466-1
1322	Subburaj S., Nagrale T.A., Khan M.M., James N., Karuppasamy R., Veerappapillai S.	Discovery of anaplastic lymphoma kinase inhibitors from natural product library: A holistic in silico approach	Biotechnology and Applied Biochemistry					1.638	10.1002/bab.2040
1323	Rajumon R., Aravind S.P., Bhuvaneshwari S., Ranjitha J., Mohanraj P.	Removal of cadmium heavy metal ions from wastewater by electrosorption using modified activated carbon felt electrodes	Water Science and Technology	82	7	1430	1444	1.638	10.2166/wst.2020.425
1324	Mishra S., Joghee N.N., Jayaraman G.	Virgibacillus dokdonensis VITP14 produces α -amylase and protease with a broader operational range but with differential thermodynamic stability	Biotechnology and Applied Biochemistry					1.638	10.1002/bab.2084
1325	Prabhakar S.A., Ojha N., Das N.	Application of Aloe vera mucilage as bioflocculant for the treatment of textile wastewater: Process optimization	Water Science and Technology	82	11	2446	2459	1.638	10.2166/wst.2020.512

1326	Sriram S.R., Bindu B.	A physics-based model for LER-induced threshold voltage variations in double-gate MOSFET	Journal of Computational Electronics					1.637	10.1007/s10825-020-01474-w
1327	Jegadheesan V., Sivasankaran K.	A source/drain-on-insulator structure to improve the performance of stacked nanosheet field-effect transistors	Journal of Computational Electronics					1.637	10.1007/s10825-020-01502-9
1328	Rambabu M., Jayanthi S.	Screening approaches against claudin-4 focusing on therapeutics through molecular docking and the analysis of their relative dynamics: a theoretical approach	Journal of Receptors and Signal Transduction					1.629	10.1080/10799893.2020.1752717
1329	Kavitha K., Vijayakumar V., Udhayakumar R., Nisar K.S.	Results on the existence of Hilfer fractional neutral evolution equations with infinite delay via measures of noncompactness	Mathematical Methods in the Applied Sciences					1.626	10.1002/mma.6843
1330	Manohar A., Krishnamoorthi C., Naidu K.C.B., Narasaiah B.P.	Dielectric, Magnetic Hyperthermia and Photocatalytic Properties of Mg.Zn.FeO Nanocrystals	IEEE Transactions on Magnetics	56	12			1.626	10.1109/TMAG.2020.3024717
1331	Kavitha K., Vijayakumar V., Udhayakumar R., Sakthivel N., Sooppy Nisar K.	A note on approximate controllability of the Hilfer fractional neutral differential inclusions with infinite delay	Mathematical Methods in the Applied Sciences					1.626	10.1002/mma.7040
1332	Patel H., Singh Rajput D., Thippa Reddy G., Iwendi C., Kashif Bashir A., Jo O.	A review on classification of imbalanced data for wireless sensor networks	International Journal of Distributed Sensor Networks	16	4			1.614	10.1177/1550147720916404
1333	Ram C.R.S., Ravimaran S., Krishnan R.S., Julie E.G., Robinson Y.H., Kumar R., Son L.H., Thong P.H., Thanh N.Q., Ismail M.	Internet of Green Things with autonomous wireless wheel robots against green houses and farms	International Journal of Distributed Sensor Networks	16	6			1.614	10.1177/1550147720923477

1334	Premkumar A., Elayaperumal A., Arulvel S., Jagatheeshwaran M.S., Ramesh B., Sivanesh Prabhu M.	Optimization of electroless bath process parameter for improving the tribology behavior of Ni- P/CaBr ₂ composite coating against the hardened EN-31 steel	Surface Topography: Metrology and Properties	8	2			1.613	10.1088/2051- 672X/ab9f55
1335	Sivanesh Prabhu M., Elayaperumal A., Arulvel S., Wasim Khan M.	Significance of tribolayer on the friction and wear resistance of FSPed AA6082/SiCp composite at various load conditions	Surface Topography: Metrology and Properties	8	2			1.613	10.1088/2051- 672X/ab9f06
1336	Muthu S.M., Arivarasu M.	Evaluation of hot corrosion performance of HVOF coatings on PCGTA welded Fe-based alloy A-286 in Na ₂ SO ₄ -7.5%NaVO ₃ -5%NaCl environment	Surface Topography: Metrology and Properties	8	4			1.613	10.1088/2051- 672X/abc8f8
1337	Varghese N., Kumar N.	Feminism in advertising: irony or revolution? A critical review of femvertising	Feminist Media Studies					1.607	10.1080/14680777. 2020.1825510
1338	Ganesh Kumar P., Vigneswaran V.S., Sakthivadivel D., Meikandan M.	Experimental investigation on photothermal conversion using solar glycol/MWCNTs based nanofluids	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/0954408 920957764
1339	Meikandan M., Ganesh Kumar P., Sakthivadivel D., Vigneswaran V.S., Malar Mohan K.	Multi-wall carbon nanotubes coating on a copper substrate using airbrush spray coating	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/0954408 920959157

1340	Vemanaboina H., Akella S., Uma Maheshwer Rao A.C., Gundabattini E., Buddu R.K.	Analysis of thermal stresses and its effect in the multipass welding process of SS316L	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/09544089 20965062
1341	Vignesh M., Ramanujam R.	Numerical modelling and experimental validation of crater formation in WEDM hybrid turning of Ti-6Al-4V alloy	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					1.606	10.1177/09544089 20964687
1342	Alrobaian A., Rajasekar V., Alagumalai A.	Critical insight into biowaste-derived biocatalyst for biodiesel production	Environmental Progress and Sustainable Energy					1.596	10.1002/ep.13391
1343	Devrukhakar P.S., Shankar M.S.	Degradation Pathway Proposal, Structure Elucidation, and In Silico Toxicity Prediction of Dapagliflozin Propane Diol Hydrolytic Degradation Products	Chromatographia					1.596	10.1007/s10337- 020-03938-4
1344	Seth B., Dalal S., Jaglan V., Le D.-N., Mohan S., Srivastava G.	Integrating encryption techniques for secure data storage in the cloud	Transactions on Emerging Telecommunicati ons Technologies					1.594	10.1002/ett.4108
1345	Thaseen I.S., Chitturi A.K., Al-Turjman F., Shankar A., Ghalib M.R., Abhishek K.	An intelligent ensemble of long-short- term memory with genetic algorithm for network anomaly identification	Transactions on Emerging Telecommunicatio ns Technologies					1.594	10.1002/ett.4149

1346	Ravi V., Singh S., Sofana Reka S.	Memristor-based 2D1M architecture: Solution to sneak paths in multilevel memory	Transactions on Emerging Telecommunications Technologies					1.594	10.1002/ett.4143
1347	Kumar A., Abhishek K., Ghalib M.R., Nerurkar P., Shah K., Chandane M., Bhirud S., Patel D., Busnel Y.	Towards cough sound analysis using the Internet of things and deep learning for pulmonary disease prediction	Transactions on Emerging Telecommunications Technologies					1.594	10.1002/ett.4184
1348	Chandra A., Ghosh S., Doshi N., Deshpande S., Gumber S.	A Case Study on Assessing Cumulonimbus Induced Flight Vulnerabilities Over the Nepalese Himalayan Terrain	Pure and Applied Geophysics					1.586	10.1007/s00024-020-02541-w
1349	Singh K.S., Alam P., Albert J., Bhaskaran P.K.	Numerical Simulation of an Extremely Severe Cyclonic Storm Hudhud over the North Indian Ocean in a Medium Range Scale: Influence of Cloud Microphysical Schemes	Pure and Applied Geophysics					1.586	10.1007/s00024-020-02596-9
1350	Srinivasan E., Natarajan N., Rajasekaran R.	TTRMDB: A database for structural and functional analysis on the impact of SNPs over transthyretin (TTR) using bioinformatic tools	Computational Biology and Chemistry	87				1.581	10.1016/j.compbiolchem.2020.107290
1351	Vishnuram P., Ramachandiran G.	Capacitor-less induction heating system with self-resonant bifilar coil	International Journal of Circuit Theory and Applications					1.581	10.1002/cta.2830
1352	Humbe S.S., Joshi G.M., Deshmukh R.R., Dhanumalayan E., Kaleemulla S.	Improved under damped oscillator properties of polymer blends for electronic applications	Mechanics of Time-Dependent Materials					1.574	10.1007/s11043-020-09478-6
1353	Murugesan G., Nithya R., Kalainathan S.	Colossal dielectric behaviour of Sr ₂ TiMnO _{6-δ} single crystals	Journal of Crystal Growth	530				1.573	10.1016/j.jcrysgr.2019.125179

1354	Sathishkumar M., Manikandan M.	Influence of pulsed current arc welding to preclude the topological phases in the aerospace grade Alloy X	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					1.568	10.1177/1464420720907993
1355	Venkatesh Kannan M., Arivazhagan N., Nageswara Rao M., Madhusudhan Reddy G.	Effect of inclusions on microstructure and mechanical behavior of multi-pass welded naval grade steel	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					1.568	10.1177/1464420720927727
1356	Bhattarai A., Emerson I.A.	Computational investigations on the dynamic binding effect of molecular tweezer CLR01 toward intrinsically disordered HIV-1 Nef	Biotechnology and Applied Biochemistry					1.559	10.1002/bab.1957
1357	Anushree G., Aravind P., Vinod D., Hemalatha N., Girisha S.T., Devaraju K.S.	Peroxynitrite-induced conformational changes in DNA that lead to cell death: UV, CD spectral, molecular dynamics simulation and FACS analysis	Nucleosides, Nucleotides and Nucleic Acids					1.556	10.1080/15257770.2020.1809673
1358	Priyadharshni M., Kumaravel S.	Low power and area efficient error tolerant adder for image processing application	International Journal of Circuit Theory and Applications					1.554	10.1002/cta.2744
1359	Kudithi T., Sakthivel R.	An efficient hardware implementation of the elliptic curve cryptographic processor over prime field, Fp	International Journal of Circuit Theory and Applications					1.554	10.1002/cta.2759
1360	Manimaran P., Madhan M.G.	Bandwidth characteristics of TWSOA based inline detector configurations for near infrared communications	Optical and Quantum Electronics	52	1			1.547	10.1007/s11082-019-2143-y

1361	Tamilarasan I., Saminathan B., Murugappan M.	Fiber impairments mitigation in OFDM based cognitive optical networks	Optical and Quantum Electronics	52	5			1.547	10.1007/s11082-020-02369-7
1362	Thirugnanasambantham K., Prabu G., Mandal A.K.A.	Synergistic effect of cytokinin and gibberellins stimulates release of dormancy in tea (<i>Camellia sinensis</i> (L.) O. Kuntze) bud	Physiology and Molecular Biology of Plants	26	5	1035	1045	1.539	10.1007/s12298-020-00786-2
1363	Damodaran V., Choudhury K., Ghosh K.	Modelling and simulation of carrier transport in quantum dot memory device for longer data retention and minimized power consumption	Journal of Computational Electronics					1.532	10.1007/s10825-020-01577-4
1364	Shin M.H., Muneer S., Kim Y.-H., Lee J.J., Bae D.W., Kwack Y.-B., Kumarihami H.M.P.C., Kim J.G.	Proteomic analysis reveals dynamic regulation of fruit ripening in response to exogenous ethylene in kiwifruit cultivars	Horticulture Environment and Biotechnology					1.531	10.1007/s13580-019-00209-6
1365	Kumar A., Al- Hasan M.J.	A coplanar-waveguide-fed planar integrated cavity backed slotted antenna array using TE ₃₃ mode	International Journal of RF and Microwave Computer-Aided Engineering					1.528	10.1002/mmce.22344
1366	Ramanujam P., Venkatesan P G R., Arumugam C., Ponnusamy M.	Design of a compact printed lowpass filtering antenna with wideband harmonic suppression for automotive communication	International Journal of RF and Microwave Computer-Aided Engineering					1.528	10.1002/mmce.22452
1367	Althuwayb A.A., Al-Hasan M.J., Kumar A., Chaturvedi D.	Design of half-mode substrate integrated cavity inspired dual-band antenna	International Journal of RF and Microwave Computer-Aided Engineering	31	2			1.528	10.1002/mmce.22520
1368	Mallick S., Murugesan M.	Microwave dielectric relaxation dynamics of aqueous Nicotinamide (vitamin B3): a dielectric and thermodynamic approach using time domain technique	Physics and Chemistry of Liquids					1.526	10.1080/00319104.2020.1712717

1369	Yeddula B.S.R., Karthiyaini S.	Experimental Investigations and Prediction of Thermal Behaviour of Ferrosialate-Based Geopolymer Mortars	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-019-04314-7
1370	Raj D.M.D., Mohanasundaram R.	An Efficient Filter-Based Feature Selection Model to Identify Significant Features from High-Dimensional Microarray Data	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-020-04380-2
1371	Reddy S.R.R., Bala Anki Reddy P., Rashad A.M.	Activation Energy Impact on Chemically Reacting Eyring–Powell Nanofluid Flow Over a Stretching Cylinder	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-020-04379-9
1372	Krishnamoorthy D., Vaiyapuri P., Ayyanar A., Harold Robinson Y., Kumar R., Long H.V., Son L.H.	An Effective Congestion Control Scheme for MANET with Relative Traffic Link Matrix Routing	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-020-04511-9
1373	Rani M.S., Subramanian S.	Attention Mechanism with Gated Recurrent Unit Using Convolutional Neural Network for Aspect Level Opinion Mining	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-020-04497-4
1374	Negi A., Raj A.N.J., Nersisson R., Zhuang Z., Murugappan M.	RDA-UNET-WGAN: An Accurate Breast Ultrasound Lesion Segmentation Using Wasserstein Generative Adversarial Networks	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-020-04480-z
1375	Rajput A., Kumaravelu V.B.	Fuzzy-based Clustering Scheme with Sink Selection Algorithm for Monitoring Applications of Wireless Sensor Networks	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-020-04564-w
1376	Priyadharshni M., Chathalingathu A., Kumaravel S., Manoharan A., Veeramachaneni S., Mahammad S.N.	Logically Optimal Novel 4:2 Compressor Architectures for High-Performance Applications	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-020-04503-9

1377	Waliv R.H., Mishra U., Garg H., Umap H.P.	A Nonlinear Programming Approach to Solve the Stochastic Multi-objective Inventory Model Using the Uncertain Information	Arabian Journal for Science and Engineering					1.518	10.1007/s13369-020-04618-z
1378	Moraes P.H.R.S., Sahoo P.K., Pacif S.K.J.	Viability of the R+ eT cosmology	General Relativity and Gravitation	52	4			1.515	10.1007/s10714-020-02681-3
1379	Loganaganandan M., Murali G., Salaimanimagudam M.P., Haridharan M.K., Karthikeyan K.	Experimental Study on GFRP Strips Strengthened New Two Stage Concrete Slabs under Falling Mass Collisions	KSCE Journal of Civil Engineering					1.515	10.1007/s12205-020-0331-8
1380	Arab R., Nashine H.K., Can N.H., Binh T.T.	Solvability of functional-integral equations (fractional order) using measure of noncompactness	Advances in Difference Equations	2020	1			1.510	10.1186/s13662-019-2487-4
1381	Vasudevan V., Siva R., Krishnan V., Manickavasagam M.	Polyamines, sonication and vacuum infiltration enhances the Agrobacterium-mediated transformation in watermelon (Citrullus lanatus Thunb.)	South African Journal of Botany	128		333	338	1.504	10.1016/j.sajb.2019.11.031
1382	Jane Y.N., Nehemiah H.K., Kannan A.	Classifying unevenly spaced clinical time series data using forecast error approximation based bottom-up (FeAB) segmented time delay neural network	Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization					1.502	10.1080/21681163.2020.1817791
1383	Anand R., Sridhar V.G.	Effects of SiC and Al ₂ O ₃ Reinforcement of Varied Volume Fractions on Mechanical and Micro Structure Properties of Interlock FSW Dissimilar Joints AA7075-T6-AA7475-T7	Silicon					1.499	10.1007/s12633-020-00630-y
1384	Janardan S., Anand A.S.V., Suman P., Lone M.Y., Jha P.C., Rao C.V.S.B., Sivaramakrishna A.	Facile Reduction of Phosphine Oxides by O-Silylated Hydrazide Supported Hydrosilanes	Silicon					1.499	10.1007/s12633-020-00598-9

1385	Peerzada J.G., Chidambaram R.	A Statistical Approach for Biogenic Synthesis of Nano-Silica from Different Agro-Wastes	Silicon					1.499	10.1007/s12633-020-00629-5
1386	Raju V., PankajNelapati R., Sivasankaran K.	Impact of Device Geometrical Parameter Variation on RF Stability of SELBOX Inverted-T Junctionless FINFET	Silicon					1.499	10.1007/s12633-020-00616-w
1387	Senthil Kumar M., Vanmathi M., Sakthivel G.	SiC Reinforcement in the Synthesis and Characterization of A356/AL2O3/Sic/Gr Reinforced Composite- Paving a Way for the Next Generation of Aircraft Applications	Silicon					1.499	10.1007/s12633-020-00625-9
1388	Balaji V.R., Murugan M., Robinson S., Hegde G.	Design and Analysis of Waveguide Taper for Photonic Crystal Demultiplexer	Silicon					1.499	10.1007/s12633-020-00678-w
1389	Ramkumar K., Ramakrishnan V.N.	Investigation of Hetero Buried Oxide and Gate Dielectric PNP Tunnel Field Effect Transistors	Silicon					1.499	10.1007/s12633-020-00716-7
1390	Venkatesh M., Priya G.L., Balamurugan N.B.	Investigation of Ambipolar Conduction and RF Stability Performance in Novel Germanium Source Dual Halo Dual Dielectric Triple Material Surrounding Gate TFET	Silicon					1.499	10.1007/s12633-020-00856-w
1391	Ganesh S., Choukiker Y.K.	Dual band frequency tunable planar inverted-F antenna for mobile handheld devices	International Journal of RF and Microwave Computer-Aided Engineering					1.472	10.1002/mmce.22150
1392	Thirunavukkarasu B., Rajagopal T.K.R.	Numerical investigation of sloshing in a three-dimensional square tank under excitation using CFD code	Ships and Offshore Structures					1.470	10.1080/17445302.2020.1827640

1393	Raguraman V., Suthindhiran K.	Comparative ecotoxicity assessment of magnetosomes and magnetite nanoparticles	International Journal of Environmental Health Research	30	1	13	25	1.465	10.1080/09603123.2019.1570489
1394	Selvakumar S., Parasurama D.S.	Maximization of micropropagule production in banana cultivars Grand naine (AAA) and Elakki (AB)	In Vitro Cellular and Developmental Biology - Plant					1.454	10.1007/s11627-020-10060-5
1395	Kuppusamy P., Venkatraman S., Rishikeshan C.A., Padmanabha Reddy Y.C.A.	Deep learning based energy efficient optimal timetable rescheduling model for intelligent metro transportation systems	Physical Communication	42				1.451	10.1016/j.phycom.2020.101131
1396	Pasupathi S., Vimal S., Harold-Robinson Y., Khari M., Verdú E., Crespo R.G.	Energy efficiency maximization algorithm for underwater Mobile sensor networks	Earth Science Informatics					1.450	10.1007/s12145-020-00478-1
1397	Radhakrishnan S., Lakshminarayanan A.S., Chatterjee J.M., Hemanth D.J.	Forest data visualization and land mapping using support vector machines and decision trees	Earth Science Informatics					1.450	10.1007/s12145-020-00492-3
1398	Manickam R., Kumar Rajan S., Subramanian C., Xavi A., Eanoch G.J., Yesudhas H.R.	Person identification with aerial imaginary using SegNet based semantic segmentation	Earth Science Informatics					1.450	10.1007/s12145-020-00516-y
1399	Robinson Y.H., Vimal S., Julie E.G., Khari M., Expósito-Izquierdo C., Martínez J.	Hybrid optimization routing management for autonomous underwater vehicle in the internet of underwater things	Earth Science Informatics					1.450	10.1007/s12145-020-00538-6
1400	Imran M., Rahaman A., Pal S.	Morphology and mechanical characterization of carbon nanotubes/epoxy based material filled with hollow glass microsphere	Materials Research Express	7	2			1.449	10.1088/2053-1591/ab7164
1401	Narasaiah B.P., Mandal B.K.	Waste to wealth: A solution to textile dyes related pollution	Materials Research Express	7	2			1.449	10.1088/2053-1591/ab6c22

1402	Kannan S., Ramamoorthy M.	Mechanical characterization and experimental modal analysis of 3D Printed ABS, PC and PC-ABS materials	Materials Research Express	7	1			1.449	10.1088/2053-1591/ab6a48
1403	Archana T., Vijayakumar K., Subashini G., Grace A.N., Arivanandhan M., Jayavel R.	Facile synthesis of CdS Quantum dots for QDSSC with high photo current density	Materials Research Express	7	1			1.449	10.1088/2053-1591/ab67f9
1404	Rajkumar P.R., Kailasanathan C., Senthilkumar A., Selvakumar N., Johnrajan A.	Study on formability and strain hardening index: Influence of particle size of boron carbide (B4C) in magnesium matrix composites fabricated by powder metallurgy technique	Materials Research Express	7	1			1.449	10.1088/2053-1591/ab6c0b
1405	Senthil Kumar S., Sudhakara Pandian R., Pitchipoo P.	A study on tribological behavior of Al-4%Mg incorporated with MoS2	Materials Research Express	7	1			1.449	10.1088/2053-1591/ab6a4e
1406	Agarwal A., Manna S., Nath S., Sharma K., Chaudhury P., Bora T., Solomon I., Sarma A.	Controlling oil/water separation using oleophilic and hydrophobic coatings based on plasma technology	Materials Research Express	7	3			1.449	10.1088/2053-1591/ab8097
1407	Anand N., Senthil Kumaran S.	Development and influence of tribomechanical properties on magnesium based hybrid metal matrix composites-a review	Materials Research Express	7	3			1.449	10.1088/2053-1591/ab7d08
1408	Mohan Kumar K., Velmurugan V.	Wetting behavior of textured silicon surfaces-an experimental study	Materials Research Express	7	5			1.449	10.1088/2053-1591/ab8cf7
1409	Senthil Kumaran S., Srinivasan K., Ponmariappan M., Yashwanth S., Akshay S., Hu Y.-C.	Study of raw and chemically treated Sansevieria ehrenbergii fibers for brake pad application	Materials Research Express	7	5			1.449	10.1088/2053-1591/ab8f48

1410	Kalathinathan P., Kodiveri Muthukaliannan G.	A statistical approach for enhanced production of β -galactosidase from <i>Paracoccus</i> sp. and synthesis of galacto-oligosaccharides	Folia Microbiologica					1.448	10.1007/s12223-020-00791-8
1411	Varalakshmi M., Kesarkar A.P., Lopez D.	High-performance implementation of a two-bit geohash coding technique for nearest neighbor search	Concurrency Computation					1.447	10.1002/cpe.6029
1412	Balaji M., Ch A.K.	Context-aware resource management and alternative pricing model to improve enterprise cloud adoption	Concurrency Computation					1.447	10.1002/cpe.6056
1413	Devi Priya D., Mohana Roopan S.	Claisen-Schmidt, aza-Michael, cyclization via cascade strategy toward microwave promoted synthesis of imidazo[2,1-b]quinazolines	Synthetic Communications					1.439	10.1080/00397911.2020.1757112
1414	Jothi S., Vuppu S.	Taguchi analysis and asymmetric keto-reduction of acetophenone and its derivatives by soil filamentous fungal isolate: <i>Penicillium rubens</i> VIT SS1	Preparative Biochemistry and Biotechnology					1.415	10.1080/10826068.2020.1786697
1415	Nanjundaiah S.N., MA J., Sukumaran S., Sambasivam G.	Development of clone with novel TrpE fusion tag in <i>E. coli</i> for overexpression of trypsin in a bench-scale bioreactor	Preparative Biochemistry and Biotechnology					1.415	10.1080/10826068.2020.1799392
1416	John R., Rajan A.P.	Effective sequestration of chromium by bacterial biosorption: a review	Preparative Biochemistry and Biotechnology					1.415	10.1080/10826068.2020.1861010
1417	Kothandan S., Sheela A.	Design of oxoperoxovanadium(V) complexes and their DNA interaction studies	Journal of Coordination Chemistry	73	7	1147	1158	1.410	10.1080/00958972.2020.1774752

1418	Venkatesh S., Panicker R.R., Lenin Kumar V., Pavankumar B.B., Viswanath N., Singh S., Desikan R., Sivaramakrishna A.	Efficient catalytic transfer hydrogenation reactions of carbonyl compounds by Ni(II)-diphosphine complexes	Journal of Coordination Chemistry					1.410	10.1080/00958972.2020.1837784
1419	Naik V.S., Jayanna H.S., Vinitha G.	Synthesis, molecule growth, characterization, theoretical studies and nonlinear optical properties of new chalcone derivative containing thiophene moiety for optical device applications	Indian Journal of Physics					1.407	10.1007/s12648-020-01803-6
1420	Aneesh Y.M., Bindu B.	A Physics-based Single Event Transient Pulse Width Model for CMOS VLSI Circuits	IEEE Transactions on Device and Materials Reliability					1.407	10.1109/TDMR.2020.3023285
1421	Raju V., Kumar R.S., Kumar S.K.A., Madhu G., Bothra S., Sahoo S.K.	A ninhydrin–thiosemicarbazone based highly selective and sensitive chromogenic sensor for Hg ²⁺ and F ⁻ ions	Journal of Chemical Sciences	132	1			1.406	10.1007/s12039-020-01799-w
1422	Damodaran S., T. S., Anbazhagan R.	All optical clocked D flip flop for 1.72 Tb/s optical computing	Microelectronics Journal	103				1.405	10.1016/j.mejo.2020.104865
1423	Upadhyay R., Dass J F.P.	Physicochemical analysis, microbial survivability, and shelf life study of spray-dried synbiotic guava juice powder	Journal of Food Processing and Preservation					1.405	10.1111/jfpp.15103
1424	Prabhu D.S., Rajeswari V.D.	PPAR-Gamma as putative gene target involved in Butein mediated anti-diabetic effect	Molecular Biology Reports					1.402	10.1007/s11033-020-05605-1
1425	Karunakaran K., Muniyan R.	Genetic alterations and clinical dimensions of oral cancer: a review	Molecular Biology Reports					1.402	10.1007/s11033-020-05927-0
1426	Dhanyamraju P.K., Patel T.N., Dovat S.	Medulloblastoma: “Onset of the molecular era”	Molecular Biology Reports					1.402	10.1007/s11033-020-05971-w

1427	Kannan C., Ramanujam R., Balan A.S.S.	Mathematical modeling and optimization of tribological behaviour of Al 7075 based hybrid nanocomposites	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology					1.397	10.1177/1350650120965781
1428	Javeed A., John B.	Tribological performance of nanolubricants dispersed with graphene oxide and detonation nanodiamond	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology					1.397	10.1177/1350650120977342
1429	Chandan M.R., Shaik A.H., Kumar H., Rahaman A., Bal D.K., Ponnusami B.A., Imran M.	Influence of polymer washing on thermal conductivity enhancement of Cu nanofluids	Asia-Pacific Journal of Chemical Engineering					1.396	10.1002/apj.2501
1430	Purohit C.S., Manna S., Mani G., Stonier A.A.	Development of buck power converter circuit with ANN RL algorithm intended for power industry	Circuit World					1.395	10.1108/CW-03-2020-0044
1431	Mary M.C.S., Chatterjee A., Abraham J., Sasikumar S.	A study of the in-vitro bioactivity, dissolution and antibacterial activity of larnite prepared by a novel sol-gel combustion method using sucrose as a fuel	Bulletin of Materials Science	43	1			1.392	10.1007/s12034-020-02208-1
1432	Valarmathi N., Sabareeswari K., Sumathi S.	Antimicrobial and larvicidal activity of zinc-substituted hydroxyapatite	Bulletin of Materials Science	43	1			1.392	10.1007/s12034-020-02192-6
1433	Jacob G., Raina G.	Efficient surface plasmon propagation on flexible free-standing and PMMA sandwiched graphene at optimized near to far-IR frequencies	Bulletin of Materials Science	43	1			1.392	10.1007/s12034-020-02226-z

1434	Manopradha N., Gowri S., Rama S., Selvaraju K., Kirubavathi K., Vinitha G.	Spectroscopic and third-order nonlinear optical properties of organic single-crystal 2-picolinictrichloroacetate: an overview	Bulletin of Materials Science	43	1			1.392	10.1007/s12034-020-02242-z
1435	S N.V., Sugumaran V.	Fault diagnosis of visual faults in photovoltaic modules: A Review	International Journal of Green Energy					1.388	10.1080/15435075.2020.1825443
1436	Narayanan V.L., Ramakrishnan R.	Design and implementation of an intelligent digital pitch controller for digital hydraulic pitch system hardware-in-the-loop simulator of wind turbine	International Journal of Green Energy					1.388	10.1080/15435075.2020.1814300
1437	Twinkle C.M., Nithun C., Pitchaimani J., Rajamohan V.	Modal analysis of cylindrical panels at elevated temperatures under nonuniform heating conditions: Experimental investigation	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.386	10.1177/0954406220936738
1438	Basha H.T., Sivaraj R.	Numerical simulation of blood nanofluid flow over three different geometries by means of gyrotactic microorganisms: Applications to the flow in a circulatory system	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.386	10.1177/0954406220947454
1439	Reddy S.R.R., Reddy P.B.A., Rashad A.M.	Effectiveness of binary chemical reaction on magneto-fluid flow with Cattaneo–Christov heat flux model	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.386	10.1177/0954406220950347

1440	Mishra S.	Multilingualism in urban Vellore	International Journal of Multilingualism					1.375	10.1080/14790718.2020.1757678
1441	Chandran K., Zhang W., Murugesan R., Prasanna S., Baseera A., Pandiyam S.	Adaptive Decentralized Tracking Control for Nonlinear Large-Scale Systems	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	28	Supp02	93	110	1.375	10.1142/S0218488520400176
1442	Chaki J., Dey N., Panigrahi B.K., Shi F., Fong S.J., Sherratt R.S.	Pattern Mining Approaches Used in Social Media Data	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	28	Supp02	123	152	1.375	10.1142/S021848852040019X
1443	Mallick M., Mohanta A., Kumar A., Charan Patra K.	Prediction of Wind-Induced Mean Pressure Coefficients Using GMDH Neural Network	Journal of Aerospace Engineering	33	1			1.373	10.1061/(ASCE)AS.1943-5525.0001101
1444	C. R L., Kannadassan D.	Coupled microstrip slot resonators for bandstop filters: theory and design	Journal of Electromagnetic Waves and Applications					1.373	10.1080/09205071.2020.1861991
1445	Karmakar S., Mudiganti J.C.	Design of the interaction cavity extending to the nonlinear taper for a 10 kw, W-band gyrotron	Journal of Electromagnetic Waves and Applications					1.373	10.1080/09205071.2020.1865210
1446	Saadh A.W.M., Poonkuzhali R., Tanweer A., Manohara Pai M.M., Jaume A.	A compact rectangular slot Yagi-Uda antenna for wireless applications	Journal of Instrumentation	15	2			1.366	10.1088/1748-0221/15/02/P02026
1447	Manikandan P., Bindu B.	A Cap-less Voltage Spike Detection and Correction Circuit for Low Dropout Regulator	Journal of Circuits, Systems and Computers					1.363	10.1142/S0218126620200091
1448	Rajput A., Kumaravelu V.B.	A Cluster Leader Selection Algorithm to Enhance the Lifetime of Scalable Wireless Sensor Networks	Journal of Circuits, Systems and Computers					1.363	10.1142/S0218126621500560

1449	Priyadharshni M., Kumaravel S.	Design of Imprecise Multipliers by Using Approximate Technique for Error Resilient Applications	Journal of Circuits, Systems and Computers					1.363	10.1142/S0218126621501140
1450	Subramani M., Kumaravelu V.B., Murugadass A.	Fuzzy Logic-Based Handover Requirement Analysis and Access Network Selection for Device-to-Device Communication	Journal of Circuits, Systems and Computers					1.363	10.1142/S0218126621500092
1451	Lakrit S., Medkour H., Das S., Madhav B.T.P., Ali W.A.E., Dwivedi R.P.	Design and Analysis of Integrated Wilkinson Power Divider-Fed Conformal High-Gain UWB Array Antenna with Band Rejection Characteristics for WLAN Applications	Journal of Circuits, Systems and Computers					1.363	10.1142/S0218126621501334
1452	Phaneendra Kumar B.L.N., Prabukumar M.	Hyperspectral image classification using fuzzy-embedded hyperbolic sigmoid nonlinear principal component and weighted least squares approach	Journal of Applied Remote Sensing	14	2			1.360	10.1117/1.JRS.14.024501
1453	Sundaram D.M., Loganathan A.	FSSCaps-DetCountNet: Fuzzy soft sets and CapsNet-based detection and counting network for monitoring animals from aerial images	Journal of Applied Remote Sensing	14	2			1.360	10.1117/1.JRS.14.026521
1454	Suryanarayanan R., Sridhar V.G.	Process parameter optimisation in pinless friction stir spot welding of dissimilar aluminium alloys using Multi-start algorithm	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					1.359	10.1177/0954406220919482
1455	Mathiyazhagan J., Kodiveri Muthukaliannan G.	The role of mTOR and oral intervention of combined Zingiber officinale-Terminalia chebula extract in type 2 diabetes rat models	Journal of Food Biochemistry					1.358	10.1111/jfbc.13250

1456	Patra D., Kundu C., Patra P.	Wireless Dip Temperature Lance for provisioning hot metal analytics of blast furnaces	Ironmaking and Steelmaking					1.352	10.1080/03019233.2020.1833677
1457	Roy N., Paira P.	Combined palladium/eosin Y-catalysed direct synthesis of anticancer biarylquinolinooxazocino-quinoxaline-1-ones under visible light in one-pot sequence: a revisited proof of concept	Monatshefte fur Chemie	151	7	1163	1172	1.349	10.1007/s00706-020-02641-2
1458	Iyyappa Rajan P., Mahalakshmi S.	Modeling through space magnetic shielding over the tetrafluoroborate (BF ₄ ⁻) and tetrachloroborate (BCl ₄ ⁻) anions	Journal of Molecular Modeling	26	5			1.335	10.1007/s00894-020-4351-6
1459	Ranade S.S., Ramalingam R.	Hydrogen bonds in anoplin peptides aid in identification of a structurally stable therapeutic drug scaffold	Journal of Molecular Modeling	26	6			1.335	10.1007/s00894-020-04380-x
1460	Sivaranjani R., Shanmuga Sundar D., Sridarshini T., Sitharthan R., Karthikeyan M., Sivanantha Raja A., Carrasco M.F.	Photonic crystal based all-optical half adder: A brief analysis	Laser Physics	30	11			1.333	10.1088/1555-6611/abbe8b
1461	Kanik A., Sarma A., Ghosh J., Elumalai A., Pandya S., Bhope K., Manchanda R.	Temperature response of laser heated emissive probe materials under vacuum and free atmospheric conditions	Laser Physics	31	1			1.333	10.1088/1555-6611/abd16c
1462	Divya shree M., Sangeetha A., Krishnan P.	Analysis and optimization of uniform FBG structure for sensing and communication applications	Photonic Network Communications					1.328	10.1007/s11107-020-00880-1
1463	Iqbal T.H.P.K.M., Yarrakula K.	Probabilistic flood inundation mapping for sparsely gauged tropical river	Arabian Journal of Geosciences	13	18			1.327	10.1007/s12517-020-05980-w

1464	Loganathan P., Mahindrakar A.B.	Assessment and ranking of CMIP5 GCMs performance based on observed statistics over Cauvery river basin – Peninsular India	Arabian Journal of Geosciences	13	22			1.327	10.1007/s12517-020-06217-6
1465	Vignesh V., Mayakrishnan M.	Design parameters and behavior of helical piles in cohesive soils—A review	Arabian Journal of Geosciences	13	22			1.327	10.1007/s12517-020-06165-1
1466	Dutta D., Abarna R., Shubham M., Subbiah K., Duraisamy S., Chinnusamy R., Anbalagan M.	Effect of Arg399Gln single-nucleotide polymorphism in XRCC1 gene on survival rate of Indian squamous cell head-and-neck cancer patients	Journal of cancer research and therapeutics	16	3	551	558	1.326	10.4103/jcrt.JCRT_476_18
1467	Ponnrajakumari M., Vimala Devi K., Subramaniam M.	A novel spectrum-aware clustering algorithm based on golden ratio optimization and fuzzy clustering for cognitive radio networks	International Journal of Communication Systems					1.319	10.1002/dac.4625
1468	Kola Sampangi S., Thangavelu J.	Optimal capacitor allocation in distribution networks for minimization of power loss and overall cost using water cycle algorithm and grey wolf optimizer	International Transactions on Electrical Energy Systems					1.314	10.1002/2050-7038.12320
1469	Arunkumari T., Indragandhi V., Arunkumar G., Sanjeevikumar P., Holm-Nielsen J.B.	Implementation of high-gain nonisolated DC-DC converter for PV-fed applications	International Transactions on Electrical Energy Systems	30	1			1.314	10.1002/2050-7038.12165
1470	Harikrishna V., Gunabalan R., Senthil Kumar S.	Pulse width modulation converter for light-emitting diode tube light applications	International Transactions on Electrical Energy Systems					1.314	10.1002/2050-7038.12294
1471	Padmavathi P., Natarajan S.	Single switch quasi Z-source based high voltage gain DC-DC converter	International Transactions on Electrical Energy Systems					1.314	10.1002/2050-7038.12399

1472	Parandhaman B., Nataraj S.K., Baladhandautham C.B.	Optimization of DC-link voltage regulator using Bat algorithm for proportional resonant controller-based current control of shunt active power filter in distribution network	International Transactions on Electrical Energy Systems					1.314	10.1002/2050-7038.12369
1473	Kumar C.K., Srinivas S., Subramanyam Reddy A.	MHD Pulsating Flow of Casson Nanofluid in a Vertical Porous Space with Thermal Radiation and Joule Heating	Journal of Mechanics					1.304	10.1017/jmech.2020.5
1474	Ponraj C., Vinitha G., Daniel J.	Visible light photocatalytic activity of Mn-doped BiFeO ₃ nanoparticles	International Journal of Green Energy	17	1	71	83	1.302	10.1080/15435075.2019.1688158
1475	Cherukuri S.H.C., Saravanan B., Arunkumar G.	A rule-based approach for improvement of autonomous operation of hybrid microgrids	Electrical Engineering					1.296	10.1007/s00202-020-00928-5
1476	Pappiah M., Bobby B.	Capacitor-less FVF low drop-out regulator with active feed-forward compensation and efficient slew-rate enhancer circuit	IET Circuits, Devices and Systems	14	6	853	859	1.290	10.1049/iet-cds.2019.0495
1477	Ponnayan R.M., Thazhathu S.V.	One instruction set computer with optimised polarity-tunable model of double gate CNTFETs	IET Circuits, Devices and Systems	14	6	770	779	1.290	10.1049/iet-cds.2019.0143
1478	Durai J., Rajagopal S., Ganesan G.	Design and analysis of power-efficient quasi-adiabatic ternary content addressable memory (QATCAM)	IET Circuits, Devices and Systems	14	7	923	928	1.290	10.1049/iet-cds.2019.0223
1479	Zhang D., Chen X., Li F., Sangaiah A.K., Ding X.	Seam-Carved Image Tampering Detection Based on the Cooccurrence of Adjacent LBPs	Security and Communication Networks	2020				1.288	10.1155/2020/8830310
1480	Srivastav A.K., Tiwari P.K., Srivastava P.K., Ghosh M., Kang Y.	A mathematical model for the impacts of face mask, hospitalization and quarantine on the dynamics of COVID-19 in India: Deterministic vs. stochastic	Mathematical Biosciences and Engineering	18	1	182	213	1.285	10.3934/MBE.2021010

1481	Prakasam P., Suresh Kumar T.R., Velmurugan T., Nandakumar S.	Efficient power distribution model for IoT nodes driven by energy harvested from low power ambient RF signal	Microelectronics Journal	95				1.284	10.1016/j.mejo.2019.104665
1482	Rajan V.S., Kishore K.H., Sanjay R., Kumaravel S., Venkataramani B.	A novel programmable attenuator based low Gm-OTA for biomedical applications	Microelectronics Journal	97				1.284	10.1016/j.mejo.2020.104721
1483	Suryawanshi A.S., Behera N.	Tribological behavior of dental restorative composites in chewable tobacco environment	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine					1.282	10.1177/0954411920940829
1484	Gudla V.V., Kumaravelu V.B.	Enhanced redesigned spatial modulation: Design and performance evaluation under correlated fading channels	International Journal of Communication Systems					1.278	10.1002/dac.4294
1485	Noor Mohammed V.M., Sreenivasan P.M., Ravishankar T., Hariharan S., Lakshmanan M.	Energy-efficient resource allocation for device-to-device communication through noncooperative game theory	International Journal of Communication Systems					1.278	10.1002/dac.4279
1486	Kavitha S., Venkata Krishna P., Muthukumar P.	Learning automata-based multilevel medium access control in cyber physical system-based smart wireless networks	International Journal of Communication Systems					1.278	10.1002/dac.4376
1487	Challa N.R., Bagadi K.	Design of near-optimal local likelihood search-based detection algorithm for coded large-scale MU-MIMO system	International Journal of Communication Systems					1.278	10.1002/dac.4436
1488	Ramesh R., Kommuri U.K.	Isolation enhancement for dual-band MIMO antenna system using multiple slots loading technique	International Journal of Communication Systems					1.278	10.1002/dac.4470
1489	Arulmurugan M., Selvakumar A.S., Prabu K., Rajamurugan G.	Effect of barium sulphate on mechanical, DMA and thermal behaviour of woven aloevera/flax hybrid composites	Bulletin of Materials Science	43	1			1.264	10.1007/s12034-019-2018-7

1490	Kumar S.N., James V., James V., Maheswari M.A., Sivaraman N., Rao C.V.S.B., Prabhakaran D.	New age monolithic design-based visible light responsive and reusable photocatalyst material using iron oxide-modified mesoporous titania framework	Bulletin of Materials Science	43	1			1.264	10.1007/s12034-020-2040-9
1491	Sundararam M., Janakiraman K., Kumar A.S., Lakshminarayanan V., Sankaran K.	AC impedance measurement for the enzyme kinetics of urea-urease system: a model for impedimetric biosensor	Bulletin of Materials Science	43	1			1.264	10.1007/s12034-020-2055-2
1492	Kathirvelan J., Vijayaraghavan R.	Review on sensitive and selective ethylene detection methods for fruit ripening application	Sensor Review					1.264	10.1108/SR-10-2019-0251
1493	Thiyagarajan K., Samuel S., Kumar P.S., Babu S.G.	C 3N 4 supported on chitosan for simple and easy recovery of visible light active efficient photocatalysts	Bulletin of Materials Science	43	1			1.264	10.1007/s12034-020-02107-5
1494	Zhang B., Xiao X., Zhang W., Kumar Sangaiah A., Zhou Y., Liu X.	A co-occurrence matrix based masquerade detection method in in-vehicle network	Transactions on Emerging Telecommunications Technologies					1.258	10.1002/ett.3858
1495	Terence S., Purushothaman G.	Systematic review of Internet of Things in smart farming	Transactions on Emerging Telecommunications Technologies					1.258	10.1002/ett.3958
1496	Sanjeevi P., Prasanna S., Siva Kumar B., Gunasekaran G., Alagiri I., Vijay Anand R.	Precision agriculture and farming using Internet of Things based on wireless sensor network	Transactions on Emerging Telecommunications Technologies					1.258	10.1002/ett.3978
1497	Gayathri Devi N., Manikandan K.	Improved perturbation technique privacy-preserving rotation-based condensation algorithm for privacy preserving in big data stream using Internet of Things	Transactions on Emerging Telecommunications Technologies					1.258	10.1002/ett.3970
1498	Sumaiya Thaseen I., Saira Banu J., Lavanya K., Rukunuddin Ghalib M., Abhishek K.	An integrated intrusion detection system using correlation-based attribute selection and artificial neural network	Transactions on Emerging Telecommunications Technologies					1.258	10.1002/ett.4014

1499	Benjula Anbu Malar M.B., Prabhu J.	A distributed collaborative trust service recommender system for secure cloud computing	Transactions on Emerging Telecommunications Technologies					1.258	10.1002/ett.3991
1500	Khamparia A., Pande S., Gupta D., Khanna A., Sangaiah A.K.	Multi-level framework for anomaly detection in social networking	Library Hi Tech					1.256	10.1108/LHT-01-2019-0023
1501	George M.M., Kalaivani S.	A diffusion-based compensation approach for intensity inhomogeneity correction in MRI	International Journal of Imaging Systems and Technology					1.254	10.1002/ima.22416
1502	V V.K., S S.K.	Characterization of Various Properties of Chemically Treated Allium sativum Fiber for Brake Pad Application	Journal of Natural Fibers					1.252	10.1080/15440478.2020.1745130
1503	Loganathan T.M., Sultan M.T.H., Jawaid M., Ahsan Q., Naveen J., Perumal V.	Characterization of New Cellulosic Cyrtostachys renda and Ptychosperma macarthurii Fibers from Landscaping Plants	Journal of Natural Fibers					1.252	10.1080/15440478.2020.1758865
1504	Patil S., Mallikarjuna Reddy D.	Damage Identification in Hemp Fiber (Cannabis sativa) Reinforced Composite Plates Using MAC and COMAC Correlation Methods: Experimental Study	Journal of Natural Fibers					1.252	10.1080/15440478.2020.1764449
1505	Dewangan S., Prakash T., Pratap Singh V.	Design and performance analysis of elephant herding optimization based controller for load frequency control in thermal interconnected power system	Optimal Control Applications and Methods					1.252	10.1002/oca.2666
1506	Sreerag C., Gokul R., Vinaykumar J., Rajyalakshmi G.	Impact of instantaneous curvature on force and heat generation in manufacturing processes – a mathematical modelling	Engineering Computations (Swansea, Wales)					1.246	10.1108/EC-06-2019-0289

1507	Kumar P.S., Kokila I.P., Kanagaraj M., Paidi A.K., He L., Therese H.A., Madeswaran S.	Solution Combustion Synthesis of Rare Earth Orthoferrite Nanoparticles: a Comparative Study on Multiferroic Properties of Er-FeO ₃ vs (La,Yb)FeO ₃	Journal of Superconductivity and Novel Magnetism					1.244	10.1007/s10948-020-05625-9
1508	Manohar A., Krishnamoorthi C., Pavithra C., Thota N.	Magnetic Hyperthermia and Photocatalytic Properties of MnFe ₂ O ₄ Nanoparticles Synthesized by Solvothermal Reflux Method	Journal of Superconductivity and Novel Magnetism					1.244	10.1007/s10948-020-05685-x
1509	Vijayakanth V., Krishnamoorthi C.	Effect of Zwitterionic Surfactant Ligand Monolayer on Magnetic Hyperthermia Properties of Monosize Fe ₃ O ₄ Nanoparticles	Journal of Superconductivity and Novel Magnetism					1.244	10.1007/s10948-020-05716-7
1510	Rajasekhar Rao D.S.N.V., John B.	A numerical study on the single pulsed energy addition based unsteady wave drag reduction at varied hypersonic flow regimes	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering					1.244	10.1177/0954410020973134
1511	Kaur M., Rani R., Bhatia R., Verma G.N., Ahirwar S.	Dynamical study of quadrating harvesting of a predator-prey model with Monod-Haldane functional response	Journal of Applied Mathematics and Computing					1.242	10.1007/s12190-020-01438-0
1512	Ashok S.R., Shivananda M.K., Shet Prakash M., Sreenivasa S., Manikandan A.	Synthesis and discovery of N-(1-methyl-4-oxo-4,5-dihydro-1H-imidazol-2-yl)-[1,1'-biphenyl]-2-carboxamide derivatives as antimicrobial agents	Journal of Heterocyclic Chemistry					1.241	10.1002/jhet.3857
1513	Aggile K., Alagumuthu M., Kumar P., Napoleon A.A.	Improved multicomponent, one-pot synthesis of functionalized tetrahydropyrans cardiovascular dysfunction regulators	Journal of Heterocyclic Chemistry					1.241	10.1002/jhet.3876

1514	Bilavendran J.D., Manikandan A., Thangarasu P., Sivakumar K.	Synthesis and biological activities of nitro-hydroxy-phenylquinolines; validation of antibiotics effect over DNA gyrase inhibition and antimicrobial activity	Journal of Heterocyclic Chemistry					1.241	10.1002/jhet.3851
1515	Venkatesan K., Satyanarayana V.S.V., Sivakumar A., Ramamurthy C., Thirunavukkarasu C.	Synthesis, spectral characterization and antitumor activity of phenothiazine derivatives	Journal of Heterocyclic Chemistry					1.241	10.1002/jhet.398 0
1516	Reddy S., Osborne J.W.	Biodegradation and biosorption of Reactive Red 120 dye by immobilized <i>Pseudomonas guariconensis</i> : Kinetic and toxicity study	Water Environment Research					1.240	10.1002/wer.1319
1517	Pavithra D., Ethiraj K.R.	Tetrabutylammonium Bromide (TBAB) Promoted Metal-Free Synthesis of 2H- Indazolo[1,2-b]Phthalazinetriones and Pyrazolo[1,2-b]Phthalazines from Benzylalcohol through Aerobic Oxidation, Sequential Addition- Cyclization with Phthalhydrazide and β - Diketones	Polycyclic Aromatic Compounds					1.237	10.1080/10406638. 2020.1732430
1518	Ubba E., Nawaz Khan F.-R.	Regioselective Synthesis of Unsymmetrical 3-(Quinolin-3- yl)Pentane-1,5-Diones in the Aqueous Medium through Montmorillonite KSF Catalysis	Polycyclic Aromatic Compounds					1.237	10.1080/10406638. 2020.1760324
1519	Pavithra D., Ethiraj K.R.	Facile Synthesis of Xanthenediones and Acridinediones through TEMPO/CuCl ₂ Catalyzed Aerobic Oxidation of Benzyl Alcohols and Cyclization with Cyclohexane-1,3- Dicarbonyl Compounds	Polycyclic Aromatic Compounds					1.237	10.1080/10406638. 2020.1768411

1520	Dasaradhan C., Nawaz Khan F.-R.	Pd2dba3/P(t-Bu)3H.BF4/Cy2NMe Catalyzed Heck Coupling in Synthesis of 3-Alkenyl-1H-Isochromen-1-Ones	Polycyclic Aromatic Compounds					1.237	10.1080/10406638.2020.1764987
1521	Megalingam M., Sangem A., Sarma B.	Experimental observation of intermittent route to chaos in magnetized filamentary discharge plasma due to the cylindrical plasma bubble	Contributions to Plasma Physics					1.234	10.1002/ctpp.201900189
1522	Nayagam V.S., Premalatha L.	Optimization of power losses in electric vehicle battery by wireless charging method with consideration of the laser optic effect	Measurement and Control (United Kingdom)					1.229	10.1177/0020294019885158
1523	Jithesh K., Arivarasu M.	Comparative studies on the hot corrosion behavior of air plasma spray and high velocity oxygen fuel coated Co based L605 superalloys in a gas turbine environment	International Journal of Minerals, Metallurgy and Materials	27	5	649	659	1.221	10.1007/s12613-019-1943-1
1524	Kathirvelan J.	Recent developments of inkjet-printed flexible sensing electronics for wearable device applications: a review	Sensor Review					1.217	10.1108/SR-08-2020-0190
1525	Dalavai R., Khan F.-R.N.	In Water: Green Chemical Approach of 4-Iodo-3-(Trimethylsilyl)-1H-Pyrano[4,3-b]Quinolines through 1,3-Diiodo-5,5-Dimethylhydantoin (DIH) Mediated Regioselective Electrophilic Cyclisation of O-Alkynyl Aldehydes	Silicon					1.210	10.1007/s12633-019-00304-4
1526	Nagajothi S., Elavenil S.	Effect of GGBS Addition on Reactivity and Microstructure Properties of Ambient Cured Fly Ash Based Geopolymer Concrete	Silicon					1.210	10.1007/s12633-020-00470-w

1527	Dalavai R., Khan F.-R.N.	Facile synthesis of 2-(2-chloroquinolin-3-yl)-2-((trimethylsilyl)oxy) acetonitriles utilizing TMSCN-ZnI ₂ /DCM	Silicon					1.210	10.1007/s12633-020-00519-w
1528	Magidi S., Afthab J.A.	Performance analysis of multipulse position modulation free space optical communication system under generalized atmospheric turbulence conditions including pointing errors	Optical Engineering	59	1			1.209	10.1117/1.OE.59.1.016107
1529	Ramachandran A., Ramesh Babu P., Senthilnathan K.	Designing a dual steering wheel microstructured blood components sensor in terahertz wave band	Optical Engineering	59	4			1.209	10.1117/1.OE.59.4.047104
1530	Rajamurugan G., Ghosh P.K., Krishnasamy P., Dinesh D., Vinukumar S.M.	Thermal and Weld Bead Characteristics of Bead-on-Plate PGMA Welding of Dissimilar ASS Bead on HSLA Plate	Transactions of the Indian Institute of Metals					1.205	10.1007/s12666-020-02106-4
1531	Kumaravelu R., Sadaiyandi R., Selvaraj A., Selvaraj J., Karthick G.	Computationally efficient and secure anonymous authentication scheme for IoT-based mobile pay-TV systems	Computational Intelligence	36	3	994	1009	1.196	10.1111/coin.12295
1532	Ming C., Kadry S., Dasel A.A.	Automating smart Internet of Things devices in modern homes using context-based fuzzy logic	Computational Intelligence					1.196	10.1111/coin.12370
1533	Soubraylu S., Rajalakshmi R.	Hybrid convolutional bidirectional recurrent neural network based sentiment analysis on movie reviews	Computational Intelligence					1.196	10.1111/coin.12400

1534	Chinnaraj S.G.R., Kuppan R.	Optimal sizing and placement of multiple renewable distribution generation and DSTATCOM in radial distribution systems using hybrid lightning search algorithm-simplex method optimization algorithm	Computational Intelligence					1.196	10.1111/coin.12402
1535	Vidhya Sagar G., Vijayakumar D.	Simulation based study on parameter variation of Si0.9Ge0.1 junction-less SELBOX FinFET for high-performance application	Computational Intelligence					1.196	10.1111/coin.12416
1536	Selvaraj A., Selvaraj J., Maruthaiappan S., Babu G.C., Kumar P.M.	L1 norm based pedestrian detection using video analytics technique	Computational Intelligence	36	4	1569	1579	1.196	10.1111/coin.12292
1537	Annamalai M., Gurumurthy K.	Neural network prediction of bioleaching of metals from waste computer printed circuit boards using Levenberg-Marquardt algorithm	Computational Intelligence	36	4	1548	1568	1.196	10.1111/coin.12288
1538	Durgalakshmi B., Vijayakumar V.	Feature selection and classification using support vector machine and decision tree	Computational Intelligence	36	4	1480	1492	1.196	10.1111/coin.12280
1539	Chacko N., J T.	Effect of pilot and post fueling on the combustion and emission characteristics of a light-duty diesel engine powered with diesel and waste cooking biodiesel blend	Energy Sources, Part A: Recovery, Utilization and Environmental Effects			1	24	1.184	10.1080/15567036.2020.1791285
1540	Patel T., Dubey A., Feroskhan M.	Investigation on the effect of intake air pressure in a biogas-diesel fueled dual-fuel engine	Energy Sources, Part A: Recovery, Utilization and Environmental Effects			1	17	1.184	10.1080/15567036.2020.1785592

1541	Srinivasan G.R., Shankar V., Chandra Sekharan S., Munir M., Balakrishnan D., Mohanam A., Jambulingam R.	Influence of fatty acid composition on process optimization and characteristics assessment of biodiesel produced from waste animal fat	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036.2020.1771477
1542	George G., Yendaluru R.S., Mary Ealias A.	Fabrication of Dye-Sensitized Solar Cells using natural flower dye extracts: A study on performance analysis and solar dye degradation	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036.2020.1796849
1543	Srinivasan G.R., Palani S., Munir M., Saeed M., Thangavelu L., Mohanam A., Jambulingam R.	Engine characteristics study on beef tallow biodiesel produced by ethanol based co-solvent transesterification	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036.2020.1826014
1544	John C.B., Solamalai A.R., Jambulingam R., Balakrishnan D.	Estimation of fuel properties and characterization of hemp biodiesel using spectrometric techniques	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036.2020.1842559
1545	Mishra N., Thapliyal A., Mitra S., Feroskhan M., Shyam Kumar M.B.	Investigations on Biogas Fueled Dual Fuel Diesel Engine Employing Dimethyl Carbonate as a Fuel Blend	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					1.184	10.1080/15567036.2020.1851320
1546	Kothandaraman M., Law Z., Ezra M.A.G., Pua C.H.	Adaptive Independent Component Analysis-Based Cross-Correlation Techniques along with Empirical Mode Decomposition for Water Pipeline Leakage Localization Utilizing Acousto-Optic Sensors	Journal of Pipeline Systems Engineering and Practice	11	3			1.181	10.1061/(ASCE)PS.1949-1204.0000471
1547	Rajak D.K., Mahajan N.N., Selvaraj S.K.	Fabrication and Experimental Investigation on Deformation Behaviour of AlSi10Mg Foam-Filled Mild Steel Tubes	Transactions of the Indian Institute of Metals					1.176	10.1007/s12666-020-01879-y

1548	Rajamurugan G., Ghosh P.K., Prabu K., Dinesh D., Vinukumar S.M.	Dendrite Morphological Analysis on SMA, GMA, and PGMA Welding of Dissimilar 304LN Austenitic Stainless Steel and Micro-alloyed Steel	Transactions of the Indian Institute of Metals					1.176	10.1007/s12666-020-01871-6
1549	Natesh M., Manikandan M.	Influence of Filler Wires to Suppress the Microsegregation and to Improve Mechanical Properties of Conventional Arc-Welded Nickel-Based Superalloy Incoloy 20	Transactions of the Indian Institute of Metals					1.176	10.1007/s12666-020-01964-2
1550	Govind S., Balakrishnan S.	Equivalence between entanglement of channel and measurement in quantum teleportation	International Journal of Quantum Information	18	5			1.176	10.1142/S0219749920500239
1551	Kumar A., Abhishek K., Rukunuddin Ghalib M., Nerurkar P., Bhirud S., Alnumay W., Ananda Kumar S., Chatterjee P., Ghosh U.	Securing logistics system and supply chain using Blockchain	Applied Stochastic Models in Business and Industry					1.175	10.1002/asmb.2592
1552	Venkatraman K.L., Syed A.A., Indumathi P., Mehta A.	VITPOR AI, a coagulation factor XIIa inhibitor from Porphyra yezoensis: In vivo mode of action and assessment of platelet function analysis	Protein and Peptide Letters	27	3	243	250	1.168	10.2174/0929866526666191026111056
1553	Nataraj N.B., Sukumaran S.K., Sambasivam G., Sudhakaran R.	Truncated Thioredoxin Peptides Serves as an Efficient Fusion Tag for Production of Proinsulin	Protein and peptide letters	27	5	419	431	1.168	10.2174/0929866526666191028150843
1554	Joghee N.N., Jayaraman G., Selladurai M.	Nε-Acetyl L-α Lysine Improves Activity and Stability of α-Amylase at Acidic Conditions: A Comparative Study with other Osmolytes	Protein and peptide letters	27	6	551	556	1.168	10.2174/0929866526666191105130041
1555	Mahmudov N.I., Udhayakumar R., Vijayakumar V.	On the Approximate Controllability of Second-Order Evolution Hemivariational Inequalities	Results in Mathematics	75	4			1.162	10.1007/s00025-020-01293-2

1556	Ramamurthy M., Robinson Y.H., Vimal S., Suresh A.	Auto encoder based dimensionality reduction and classification using convolutional neural networks for hyperspectral images	Microprocessors and Microsystems	79				1.161	10.1016/j.micpro.2020.103280
1557	Rana S., Bennouna J.	Investigating beam matching for multi-room pencil beam scanning proton therapy	Physical and Engineering Sciences in Medicine					1.161	10.1007/s13246-020-00927-7
1558	Shunmuganathan S., Saravanan R.D., Palanichamy Y.	Securing VPN from insider and outsider bandwidth flooding attack	Microprocessors and Microsystems	79				1.161	10.1016/j.micpro.2020.103279
1559	L A.J.P., Sengan S., G K K., J V., Gopal J., Velayutham P., V S.	Medical information retrieval systems for e-Health care records using fuzzy based machine learning model	Microprocessors and Microsystems					1.161	10.1016/j.micpro.2020.103344
1560	Das S., Vijay Kumar H.S., Pal S.K., Srivastava V.K., Jyoti A., Kumar S., Kaushik S.	Prospecting potential inhibitors of sortase a from enterococcus faecalis: A multidrug resistant bacteria, through in-silico and in-vitro approaches	Protein and Peptide Letters	27	7	582	592	1.156	10.2174/0929866527666191227143048
1561	Vijayalakshmi S., John A., Sunder R., Mohan S., Bhattacharya S., Kaluri R., Feng G., Tariq U.	Multi-modal prediction of breast cancer using particle swarm optimization with non-dominating sorting	International Journal of Distributed Sensor Networks	16	11			1.151	10.1177/1550147720971505
1562	Vignesh K.M., Kiran Y.	Comparative analysis of mineral mapping for hyperspectral and multispectral imagery	Arabian Journal of Geosciences	13	4			1.141	10.1007/s12517-020-5148-8
1563	Viswanath N.M.K., Ramachandran S., Reganti H.R.	Modeling and predicting the patterns of seasonal rainfall in Tamil Nadu, India 1951–2017: an UCM approach	Arabian Journal of Geosciences	13	5			1.141	10.1007/s12517-020-5216-0
1564	Jaishankar P., Murali G., Salaimanimagudam M.P., Amran Y.H.M., Fediuk R., Karthikeyan K.	Study of topology optimized hammerhead pier beam made with novel preplaced aggregate fibrous concrete	Periodica Polytechnica Civil Engineering	65	1	287	298	1.140	10.3311/PPci.16905

1565	Jose J., Behera N.	Static and dynamic performance characteristics of powder lubricated symmetrical three-lobed bearing	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology					1.137	10.1177/1350650120926325
1566	Ravikumar R., Gopal B., Sekar J.K., Sriram S., Vijayalakshmi S.	Chemical durability studies on multi rare earths immobilized simulated oxysilicate apatite wastefoms CaLa _{3.4} Ce _{0.1} Pr _{0.1} Nd _{0.1} Sm _{0.1} Gd _{0.1} Y _{0.1} (SiO ₄) ₃ O and Ca _{0.8} Sr _{0.1} Pb _{0.1} La _{3.4} Ce _{0.1} Pr _{0.1} Nd _{0.1} Sm _{0.1} Gd _{0.1} Y _{0.1} (SiO ₄) ₃ O	Journal of Radioanalytical and Nuclear Chemistry					1.137	10.1007/s10967-020-07436-7
1567	Dubey R., Kumar A., Ali R., Mishra L.N.	New class of G-Wolfe-type symmetric duality model and duality relations under G _f -bonvexity over arbitrary cones	Journal of Inequalities and Applications	2020	1			1.136	10.1186/s13660-019-2279-0
1568	Sahu M., Gnanaraj Solomon D., Vijay S.J., Sudhahar J.C.	Ergonomic evaluation of the risk factors causing pain in the upper part of the body among IT professionals in India	Work	67	4	993	1005	1.132	10.3233/WOR-203349
1569	Rao A., Sathiavelu A., Mythili S.	Mini review on nanoimmobilization of lipase and cellulase for biofuel production	Biofuels	11	2	191	200	1.130	10.1080/17597269.2017.1348187
1570	Chakraborty D., Kaleemulla S., Kumar K.C., Krishnamoorthi C.	Influence of Surface Spin Alignment and F-Centers on the Magnetic Behavior of ITO Thin Films	Journal of Superconductivity and Novel Magnetism					1.130	10.1007/s10948-020-05460-y
1571	Nagajothi S., Elavenil S.	Experimental investigations on compressive, impact and prediction of stress-strain of fly ash-geopolymer and portland cement concrete	Journal of Polymer Engineering					1.126	10.1515/polyeng-2020-0036

1572	Pasupathy K.R., Bindu B.	Sensitivity of SET Pulse-Width and Propagation to Radiation Track Parameters in CMOS Inverter Chain	IETE Journal of Research			1	9	1.125	10.1080/03772063.2020.1787875
1573	Sambaiah K.S., Jayabarathi T.	Optimal Modeling and Allocation of Mixed Wind and Solar Generation Systems in Electric Distribution Networks	IETE Journal of Research			1	13	1.125	10.1080/03772063.2020.1787876
1574	Sriramalakshmi P., Sreedevi V.T.	Design and Implementation of a Dual DC Source-based Quasi-Switched Boost Inverter for Renewable Energy Applications	IETE Journal of Research					1.125	10.1080/03772063.2020.1770133
1575	Nivedha S., Senthilnathan K.	Design of a Terahertz Alcohol Sensor Using a Steering-Wheel Microstructured Photonic Crystal Fiber	IETE Journal of Research					1.125	10.1080/03772063.2020.1808535
1576	Ramanujam P., Arumugam C., Venkatesan P G R., Ponnusamy M.	Design of Compact UWB Filter Using Parallel-coupled Line and Circular Open-circuited Stubs	IETE Journal of Research					1.125	10.1080/03772063.2020.1803772
1577	Muralikumar K., Ponnambalam P.	Analysis of Cascaded Multilevel Inverter with a Reduced Number of Switches for Reduction of Total Harmonic Distortion	IETE Journal of Research					1.125	10.1080/03772063.2020.1819450
1578	Pown M., Sandeep S., Lakshmi B.	Investigation of Homo and Hetero-Junction Double-Gate Tunnel-FET-Based Adiabatic Inverter Circuits	IETE Journal of Research					1.125	10.1080/03772063.2020.1859951
1579	Prasannaraja C., Kamalanathan A.S., Vijayalakshmi M.A., Venkataraman K.	A dipyrrole derivative from Aloe vera inhibits an anti-diabetic drug target Dipeptidyl Peptidase (DPP)-IV in vitro	Preparative Biochemistry and Biotechnology					1.117	10.1080/10826068.2019.1710712
1580	Balaji L., Chittoor J.T., Jayaraman G.	Optimization of extracellular lipase production by halotolerant Bacillus sp. VITL8 using factorial design and applicability of enzyme in pretreatment of food industry effluents	Preparative Biochemistry and Biotechnology					1.117	10.1080/10826068.2020.1734936

1581	Kamarudheen N., Chacko S.P., George C.A., Chettiparambil Somachandran R., Rao K.V.B.	An ex-situ and in vitro approach towards the bioremediation of carcinogenic hexavalent chromium	Preparative Biochemistry and Biotechnology					1.117	10.1080/1082606 8.2020.1755868
1582	Zhang C., Li D., Kang X., Liang Y., Broumi S., Sangaiah A.K.	Multi-attribute group decision making based on multigranulation probabilistic models with interval- valued neutrosophic information	Mathematics	8	2			1.105	10.3390/math8020 223
1583	Dubey R., Mishra L.N., Ruiz L.M.S., Sarwe D.U.	Nondifferentiable multiobjective programming problem under strongly K- Gf-pseudoinvexity assumptions	Mathematics	8	5			1.105	10.3390/MATH8050 738
1584	Wadhwa A., Pavan Kumar K.	Selection of best stormwater management alternative based on storm control measures (SCM) efficiency indices	Water Policy	22	4	702	715	1.093	10.2166/wp.2020.1 68
1585	Vanamoorthy M., Devendran V.	Congestion-Free Transient Plane (CFTP) Using Bandwidth Sharing during Link Failures in SDN	Computer Journal	63	6	832	843	1.077	10.1093/comjnl/bxz 137
1586	Rai A., Kannan R.J.	IP Traffic Modelling in Scalable Drone Network for Carrying Scalable Logistic Operations	Wireless Personal Communications					1.061	10.1007/s11277- 020-07239-9
1587	Prabhu Kavin B., Ganapathy S., Kanimozhi U., Kannan A.	An Enhanced Security Framework for Secured Data Storage and Communications in Cloud Using ECC, Access Control and LDSA	Wireless Personal Communications					1.061	10.1007/s11277- 020-07613-7
1588	George S., Santra A.K.	Traffic Prediction Using Multifaceted Techniques: A Survey	Wireless Personal Communications					1.061	10.1007/s11277- 020-07612-8
1589	Kingsly S., Kanagasabai M., Alsath M.G.N., Kumar P.S., Rao T.R., Indhumathi K., Subbaraj S., Panneer Selvam Y.	Compact Frequency and Bandwidth Reconfigurable Microwave Filter	Wireless Personal Communications					1.061	10.1007/s11277- 020-07652-0

1590	Rajappa A.C.J., Ramadhas S.D., Anjaneyulu B.M., Kuppusamy M.R.	Golden Coded GFDM for 5G Communication	Wireless Personal Communications					1.061	10.1007/s11277-020-07684-6
1591	Sarode P., Reshmi T.R., Pattabiraman V.	Combination of Fitness-Mated Lion Algorithm with Neural Network for Optimal Query Ordering Data Aggregation Model in WSN	Wireless Personal Communications					1.061	10.1007/s11277-020-07726-z
1592	Selvi M., Santhosh Kumar S.V.N., Ganapathy S., Ayyanar A., Khanna Nehemiah H., Kannan A.	An Energy Efficient Clustered Gravitational and Fuzzy Based Routing Algorithm in WSNs	Wireless Personal Communications					1.061	10.1007/s11277-020-07705-4
1593	Geetha M., Ganesan R.	CEPRAN-Cooperative Energy Efficient and Priority Based Reliable Routing Protocol with Network Coding for WBAN	Wireless Personal Communications					1.061	10.1007/s11277-020-07798-x
1594	Tamrakar M., Kiran Kommuri U.	Dual Band CRLH Metal Antenna for WLAN Applications	Wireless Personal Communications					1.061	10.1007/s11277-020-07846-6
1595	Mallikarjuna K., Raheem B.A., Pathanadka G., Suriyakumar S.M.	A Simple Shape Descriptor Merging Arithmetical Wrap Around Technique with Absolute Localized Pixel Differences	Wireless Personal Communications					1.061	10.1007/s11277-020-07991-y
1596	Rani B., Sahu N.K.	Effect of aqueous electrolytes on the supercapacitive performance of glycol-mediated CoFe ₂ O ₄ nanoparticles	Asia-Pacific Journal of Chemical Engineering					1.060	10.1002/apj.2548
1597	Shruthi T.G., Subramanian S., Eswaran S.	Design, synthesis and study of antibacterial and antitubercular activity of quinoline hydrazone hybrids	Heterocyclic Communications	26	1	137	147	1.057	10.1515/hc-2020-0109
1598	Ramani A., Grammaticos B., Tamizhmani T.	Interrelations of discrete Painlevé equations through limiting procedures	Journal of Nonlinear Mathematical Physics	27	1	95	105	1.056	10.1080/14029251.2020.1683981

1599	Chaudhari D.A., Umamaheswari E.	A new adaptive XOR, hashing and encryption-based authentication protocol for secure transmission of the medical data in Internet of Things (IoT)	Biomedizinische Technik					1.054	10.1515/bmt-2019-0123
1600	Radhakrishnan M., Won D., Manoharan T.A., Venkatachalam V., Chavan R.M., Nalla H.D.	Investigating electroencephalography signals of autism spectrum disorder (ASD) using Higuchi Fractal Dimension	Biomedizinische Technik					1.054	10.1515/bmt-2019-0313
1601	Prajapati R., Emerson I.A.	Gene Prioritization in Parkinson's Disease Using Human Protein-Protein Interaction Network	Journal of Computational Biology	27	11	1610	1621	1.054	10.1089/cmb.2019.0281
1602	Dey L.K., Garai H., Nashine H.K., Nguyen C.H.	Multivalued generalized graphic θ -contraction on directed graphs and application to mixed volterra-fredholm integral inclusion equations	Quaestiones Mathematicae					1.049	10.2989/16073606.2020.1821828
1603	Palani L., Rajagopal S., Ramana Rao Y.V.	Area efficient high-performance time to digital converters	Microprocessors and Microsystems	73				1.045	10.1016/j.micpro.2019.102974
1604	Maniyath S.R., V T.	An efficient image encryption using deep neural network and chaotic map	Microprocessors and Microsystems	77				1.045	10.1016/j.micpro.2020.103134
1605	Balikai V., Kittur H.	A CMOS implementation of controller based all digital phase locked loop (ADPLL)	Circuit World					1.042	10.1108/CW-11-2019-0184
1606	Stonier A.A., Chinnaraj G., Kannan R., Mani G.	Investigation and validation of an eleven level symmetric modular multilevel inverter using grey wolf optimization and differential evolution control algorithm for solar PV applications	Circuit World					1.042	10.1108/CW-12-2019-0197
1607	Srivastav A.K., Tiwari P.K., Ghosh M.	Modeling the impact of early case detection on dengue transmission: deterministic vs. stochastic	Stochastic Analysis and Applications					1.035	10.1080/07362994.2020.1804403

1608	Sahoo P., Taori B., Mahanta K.L.	Mixed fluid cosmological model in $f(R, t)$ gravity	Canadian Journal of Physics	98	11	1015	1022	1.032	10.1139/cjp-2019-0494
1609	Güney H.Ö., Murugusundaramoorthy G.	New classes of pseudo-type bi-univalent functions	Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales - Serie A: Matemáticas	114	2			1.028	10.1007/s13398-020-00798-3
1610	Bhaskar N., Suchetha M.	A Computationally Efficient Correlational Neural Network for Automated Prediction of Chronic Kidney Disease	IRBM					1.022	10.1016/j.irbm.2020.07.002
1611	Pawar S., Patel D.K.	Performance analysis of different turbulence models in impinging jet cooling	International Journal of Modern Physics C					1.017	10.1142/S0129183120500515
1612	Patil N.G., Hotta T.K.	A combined numerical simulation and optimization model for the cooling of IC chips under forced convection	International Journal of Modern Physics C					1.017	10.1142/S0129183120500813
1613	Murthy S.K., Goyal A., Rajasekar N., Pareek K., Nguyen T.T., Garg A.	Predictive Modelling and Surface Analysis for Optimization of Production of Biofuel as A Renewable Energy Resource: Proposition of Artificial Neural Network Search	Mathematical Problems in Engineering	2020				1.009	10.1155/2020/4065964
1614	Amaleswari R., Prabhakar M.	Non-isolated multi-input DC-DC converter with current sharing mechanism	International Journal of Electronics			1	27	1.004	10.1080/00207217.2020.1789760
1615	Manikandan P., Bindu B.	A push-pulled capacitor-less FVF LDO with active feed-forward compensator	International Journal of Electronics					1.004	10.1080/00207217.2020.1793413
1616	Angeline A.A., Bhaaskaran V.S.K.	Speed enhancement techniques for Clock-Delayed Dual Keeper Domino logic style	International Journal of Electronics	107	8	1239	1253	1.004	10.1080/00207217.2020.1726486

1617	Rana S., Bennouna J., Samuel E.J.J., Gutierrez A.N.	Quantification of radiation and imaging isocenter coincidence of a multi-room PBS proton therapy system	Australasian Physical and Engineering Sciences in Medicine					1.000	10.1007/s13246-020-00841-y
1618	Avudaiammal R., Elaveni P., Selvan S., Rajangam V.	Extraction of Buildings in Urban Area for Surface Area Assessment from Satellite Imagery based on Morphological Building Index using SVM Classifier	Journal of the Indian Society of Remote Sensing	48	9	1325	1344	0.997	10.1007/s12524-020-01161-0
1619	MohanRajan S.N., Loganathan A.	Modelling Spatial Drivers for LU/LC Change Prediction Using Hybrid Machine Learning Methods in Javadi Hills, Tamil Nadu, India	Journal of the Indian Society of Remote Sensing					0.997	10.1007/s12524-020-01258-6
1620	Rai A., Kannan R.J.	Auto Neural Architecture Generator for UAV-Based Geospatial Surveillance for Aerial Crisis Mapping in Dark	Journal of the Indian Society of Remote Sensing					0.997	10.1007/s12524-020-01236-y
1621	Rai A., Kannan R.J.	Population Coding of Generative Neuronal Cells for Collaborative Decision Making in UAV-Based SLAM Operations	Journal of the Indian Society of Remote Sensing					0.997	10.1007/s12524-020-01245-x
1622	Gogineni K., Chitreddy A., Vattikuti A., Palaniappan N.	Gesture and Speech Recognizing Helper Bot	Applied Artificial Intelligence					0.988	10.1080/08839514.2020.1740473
1623	Rajasingh I., Jayagopal R., Rajan R.S.	Domination parameters in hypertrees and sibling trees	Discrete Applied Mathematics					0.983	10.1016/j.dam.2020.01.008
1624	Ramasamy Selvi, Shukla P., Filippov A.N.	Flow around a Liquid Sphere Filled with a Non-Newtonian Liquid and Placed into a Porous Medium	Colloid Journal	82	2	152	160	0.966	10.1134/S1061933X20010123

1625	Kingsly S., Kanagasabai M., Mohammed G.N.A., Thirunavukkarasu M., Subbaraj S., Palaniswamy S.K., Bilvam S., Kulandhaisamy I.	Bandwidth reconfigurable microwave filter using stepped impedance c-shaped resonator	Microwave and Optical Technology Letters					0.957	10.1002/mop.32616
1626	Anjum S.S., Noor R.M., Ahmedy I., Anisi M.H., Azzuhri S.R., Kiah M.L.M., Lloret J., Kumar P.	An optimal management modelling of energy harvesting and transfer for IoT-based RF-enabled sensor networks	Ad-Hoc and Sensor Wireless Networks	46	02-Jan	83	112	0.948	
1627	Sarode P., Reshmi T.R.	Optimized query ordering data aggregation model using neural networks and group search optimization in wireless sensor network	Ad-Hoc and Sensor Wireless Networks	46	04-Mar	189	214	0.948	
1628	Suresh Kumar D., Jagadeesh Kannan R.	Reinforcement learning-based controller for adaptive workflow scheduling in multi-tenant cloud computing	International Journal of Electrical Engineering Education					0.941	10.1177/0020720919894199
1629	Jeyapriya J., Umadevi K.S.	Detection of exudates using neuro-fuzzy technique	International Journal of Electrical Engineering Education					0.941	10.1177/0020720919897554
1630	Chakravarthi S.S., Kannan R.J.	Detection of anomalies in cloud services using network flowdata analysis	International Journal of Electrical Engineering Education					0.941	10.1177/0020720920901436
1631	Manikandan P., Bindu B.	High-PSR Capacitorless LDO with Adaptive Circuit for Varying Loads	Journal of Circuits, Systems and Computers					0.939	10.1142/S0218126620501789

1632	Keerthy Rai V., Sakthivel R.	Design of Artificial Neuron Network with Synapse Utilizing Hybrid CMOS Transistors with Memristor for Low Power Applications	Journal of Circuits, Systems and Computers					0.939	10.1142/S021812662050187X
1633	Kanchana D., Radha S., Sreeja B.S., Manikandan E.	A miniaturized flexible frequency selective surface for dual band response	International Journal of Microwave and Wireless Technologies					0.939	10.1017/S1759078720001506
1634	Priya D.T., Udayan J.D.	Affective emotion classification using feature vector of image based on visual concepts	International Journal of Electrical Engineering Education					0.938	10.1177/0020720920936834
1635	Ramaswamy S., Norman J.	Social and QoS based trust model for secure clustering for wireless body area network	International Journal of Electrical Engineering Education					0.938	10.1177/0020720920953133
1636	Sathyaprakash P., Prakasam P.	Boltzmann Randomized Clustering Algorithm for Providing Quality of Evolution in Wireless Multimedia Sensor Networks	Wireless Personal Communications					0.929	10.1007/s11277-020-07152-1
1637	Singh B.P., Kumar S.A., Gao X.-Z., Kohli M., Katiyar S.	A Study on Energy Consumption of DVFS and Simple VM Consolidation Policies in Cloud Computing Data Centers Using CloudSim Toolkit	Wireless Personal Communications					0.929	10.1007/s11277-020-07070-2
1638	Pandiyaraju V., Logambigai R., Ganapathy S., Kannan A.	An Energy Efficient Routing Algorithm for WSNs Using Intelligent Fuzzy Rules in Precision Agriculture	Wireless Personal Communications					0.929	10.1007/s11277-020-07024-8

1639	Shankar T., Rajesh A., Mageshvaran R.	Adaptive Buffering and Fuzzy Based Multilevel Clustering for Energy Efficient Wireless Sensor Network	Wireless Personal Communications					0.929	10.1007/s11277- 020-07029-3
1640	Ramasamy J., Kumaresan J.S.	Image Encryption and Cluster Based Framework for Secured Image Transmission in Wireless Sensor Networks	Wireless Personal Communications					0.929	10.1007/s11277- 020-07106-7
1641	Koushik C.P., Vetrivelan P.	Heuristic Relay-Node Selection in Opportunistic Network Using RNN- LSTM Based Mobility Prediction	Wireless Personal Communications					0.929	10.1007/s11277- 020-07480-2
1642	Annepu V., Rajesh A.	Implementation of an Efficient Artificial Bee Colony Algorithm for Node Localization in Unmanned Aerial Vehicle Assisted Wireless Sensor Networks	Wireless Personal Communications					0.929	10.1007/s11277- 020-07496-8
1643	Mandhare N.A., Karunamurthy K., Ismail S.	Computational investigation of flow over nose cap of closed impeller of mixed flow centrifugal pump	Journal of Pressure Vessel Technology, Transactions of the ASME	142	3			0.925	10.1115/1.4045727
1644	Ravi V., Chitra K., Prabaharan S.R.S.	Variation-tolerant, low-power, and high endurance read scheme for memristor memories	Analog Integrated Circuits and Signal Processing					0.925	10.1007/s10470- 020-01702-0
1645	Somashekar V., Selwyn Raj I.	Numerical and experimental study of the laminar separation bubble over SS007 airfoil for micro aerial vehicles	Aircraft Engineering and Aerospace Technology					0.924	10.1108/AEAT-12- 2019-0252
1646	Sriram K.P., Mangrolia U., Osborne W.J.	Isolation and characterization of culturable indigenous endophytic bacteria in the tender coconut	Food Biotechnology	34	3	228	242	0.921	10.1080/08905436. 2020.1789872
1647	Hemanth A.V.S.S., Malaikannan G., Deepakkumar R.	Convective heat transfer and laminar flow characteristics of flow over a circular cylinder in presence of control plates	Fluid Dynamics Research	52	4			0.918	10.1088/1873- 7005/ab9b6e

1648	Gupta A., Bhasarkar J., Chandan M.R., Shaik A.H., Kiran B., Bal D.K.	Diffusion Kinetics of Vitamin B12 from Alginate and Poly(vinyl acetate) Based Gel Scaffolds for Targeted Drug Delivery	Journal of Macromolecular Science, Part B: Physics	59	11	713	730	0.911	10.1080/00222348.2020.1800246
1649	Thamba N.B., Tambare A.M., Ananthanarayanan K.C., Duraiswamy R.P., Thangavelu S., Easwara Pillai R.K., Mangalaraja R.V.	Study of effect of linear tip relief modification in power transmission efficiency of spur gears	Archives of Acoustics	45	2	271	282	0.899	10.24425/aoa.2020.133148
1650	Raju P., Masimalai S.K., Ganesan N.	Extracting methyl-ester from waste cooking oil for fueling a light duty diesel engine—a dual fuel approach	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					0.894	10.1080/15567036.2019.1684602
1651	Mohanty C.P., Behura A.K., Singh M.R., Prasad B.N., Kumar A., Dwivedi G., Verma P.	Parametric performance optimization of three sides roughened solar air heater	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					0.894	10.1080/15567036.2020.1752855
1652	Kalaivani K., Phamila Y.A.V.	Detecting changes in multitemporal multispectral Landsat images using spatial frequency-based undecimated wavelet transform fusion	Journal of Electronic Imaging	29	3			0.884	10.1117/1.JEI.29.3.033011
1653	You X., Farid G., Mishra L.N., Mahreen K., Ullah S.	Derivation of bounds of integral operators via convex functions	AIMS Mathematics	5	5	4781	4792	0.882	10.3934/math.2020.306
1654	Lavanya K., Venkatanarayanan S., Boraskar A.A.	Real-time weather analytics: An end-to-end big data analytics service over apach spark with kafka and long short-term memory networks	International Journal of Web Services Research	17	4	15	31	0.868	10.4018/IJWSR.2020100102
1655	Sharma A., Rengachary Gopalan S.	Performance analysis of torus optical interconnect with data center traffic	ETRI Journal					0.861	10.4218/etrij.2019-0318

1656	Arora V., Ng E.Y.-K., Leekha R.S., Verma K., Gupta T., Srinivasan K.	HEALTH of THINGS MODEL for CLASSIFYING HUMAN HEART SOUND SIGNALS USING CO- OCCURRENCE MATRIX and SPECTROGRAM	Journal of Mechanics in Medicine and Biology	20	6			0.859	10.1142/S021951 9420500402
1657	Vijayaraghavan G., Shanthakumar S.	Removal of crystal violet dye in textile effluent by coagulation using algal alginate from brown algae sargassum sp.	Desalination and Water Treatment	196		402	408	0.854	10.5004/dwt.2020. 25569
1658	Chaki J., Dey N.	Fragmented handwritten digit recognition using grading scheme and fuzzy rules	Sadhana - Academy Proceedings in Engineering Sciences	45	1			0.849	10.1007/s12046- 020-01410-5
1659	Poornima N., Saleena B.	An automated approach to retrieve lecture videos using context based semantic features and deep learning	Sadhana - Academy Proceedings in Engineering Sciences	45	1			0.849	10.1007/s12046- 020-01494-z
1660	Venkatachalam I., Palaniappan S., Ameer John S.	Distributed directional cooperative MAC (DD-CoopMAC) protocol for improving VBR throughput in IEEE 802.11ad WLAN	Sadhana - Academy Proceedings in Engineering Sciences	45	1			0.849	10.1007/s12046- 020-01481-4
1661	Sathiyamoorthy M., Senthilkumar S.	Mechanical, thermal, and water absorption behaviour of jute/carbon reinforced hybrid composites	Sadhana - Academy Proceedings in Engineering Sciences	45	1			0.849	10.1007/s12046- 020-01514-y
1662	Saranyadevi S., Shanthi V.	Molecular simulation strategies for the discovery of selective inhibitors of β -catenin	Journal of Theoretical and Computational Chemistry					0.848	10.1142/S021963 3620500224

1663	Muthu S.M., Anant R.V., Raghul D., Ishwarya M., Arivazhagan N., Arivarasu M.	COMPARISON of HOT CORROSION PERFORMANCE of BARE and NiCoCrAlY-COATED AUSTENITIC STAINLESS STEEL AISI 347 in AGGRESSIVE WASTE HEAT INCINERATOR ENVIRONMENT at 650 aC	Surface Review and Letters	27	7			0.835	10.1142/S021862 5X19501683
1664	Mohammed Thalib Basha G., Venkateshwarlu B.	Influence of Carbon Nanotubes Reinforcement on Characteristics of Thermally Sprayed Ceramic Coatings	Surface Review and Letters					0.835	10.1142/S0218625 X20500523
1665	Suresh A., Manikandan N., Vinitha G.	Review on Growth and Characterization of Urea and Urea Derivative Single Crystals	Brazilian Journal of Physics					0.833	10.1007/s13538- 020-00734-1
1666	Ranjan K.G., Tripathy D.S., Prusty B.R., Jena D.	An improved sliding window prediction-based outlier detection and correction for volatile time- series	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields					0.833	10.1002/jnm.281 6
1667	Tripathy D.S., Prusty B.R.	Quantile regression averaging-based probabilistic forecasting of daily ambient temperature	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields					0.833	10.1002/jnm.2846
1668	Venishetty S.R., Kumaravel S., Durai S.A.	A power efficient low-noise source degenerated bio-potential amplifier	Analog Integrated Circuits and Signal Processing					0.823	10.1007/s10470- 020-01628-7

1669	Anjireddy K., Karpagam S.	Micro and nanocrystalline cellulose based oral dispersible film; preparation and evaluation of in vitro/in vivo rapid release studies for donepezil	Brazilian Journal of Pharmaceutical Sciences	56		1	17	0.814	10.1590/s2175-97902020000117797
1670	Sundar R.D.V., Arunachalam S.	Anti-inflammatory and antifungal activity of Dracaena victoria leaf extract	Bangladesh Journal of Pharmacology	15	1	44	45	0.811	10.3329/bjp.v15i1.44399
1671	Sundar R.D.V., Arunachalam S.	Antibacterial activity of Dracaena colorama	Bangladesh Journal of Pharmacology	15	2	71	73	0.811	10.3329/bjp.v15i2.45800
1672	Velayudham S., Rajagopal S., Rao Y.V.R., Ko S.-B.	Power efficient error correction coding for on-chip interconnection links	IET Computers and Digital Techniques	14	6	299	312	0.803	10.1049/iet-cdt.2019.0082
1673	Subramanian N., Elavenil S.	GGBFS & M-sand impact on workability and strength properties of fly ash based geopolymer concrete	Indian Journal of Engineering and Materials Sciences	27	1	67	76	0.794	
1674	Christo V.R.E., Nehemiah H.K., Brighty J., Kannan A.	Feature Selection and Instance Selection from Clinical Datasets Using Co-operative Co-evolution and Classification Using Random Forest	IETE Journal of Research					0.793	10.1080/03772063.2020.1713917
1675	Mohanapriya N., Kousalya G., Balakrishnan P.	An Optimal Time-Based Resource Allocation for Biomedical Workflow Applications in Cloud	IETE Journal of Research					0.793	10.1080/03772063.2020.1724521
1676	Aswathy M.A., Jagannath M.	Dual Stage Normalization Approach Towards Classification of Breast Cancer	IETE Journal of Research					0.793	10.1080/03772063.2020.1754140
1677	Kavitha S., Vimala R.	Screening of marine Actinomycetes for inhibitory activity against biofilm forming bacteria	Journal of Environmental Biology	41	5	995	1002	0.781	10.22438/JEB/41/5/MRN-1215
1678	Mani S.K., Meenakshisundaram I.	Improving quality-of-service in fog computing through efficient resource allocation	Computational Intelligence					0.776	10.1111/coin.12285

1679	George S., Santra A.K.	An improved long short-term memory networks with Takagi-Sugeno fuzzy for traffic speed prediction considering abnormal traffic situation	Computational Intelligence					0.776	10.1111/coin.12291
1680	Manikandan R., Prasanna S., Ashwin M., Sathish Kumar L., Pandiyan S.	A novel methodology for the development of an optimal agricultural crop field using Internet of Things	Computational Intelligence					0.776	10.1111/coin.12308
1681	Mandava S., Medarametla P.K., Gudipalli A., Saravanan M., Sudheer P.	Integration of AI with reduced order generalized integrator controller for power system harmonic reduction	Computational Intelligence					0.776	10.1111/coin.12335
1682	Rajadurai H., Gandhi U.D.	An empirical model in intrusion detection systems using principal component analysis and deep learning models	Computational Intelligence					0.776	10.1111/coin.12342
1683	Dhanapal V.K., Dhanakodi R.	Influence of moisture management properties on socks made from recycled polyester, virgin cotton and its blends	Fibres and Textiles in Eastern Europe	28	4	76	81	0.775	10.5604/01.3001.0014.0939
1684	Maanvizhi M., Prakash C., Rameshbabu V.	Effect of stitch density and stitch type on the moisture management properties of seams for high active sportswear application	Fibres and Textiles in Eastern Europe	28	6	72	78	0.775	10.5604/01.3001.0014.3263
1685	Viswanathan T., Pal S., Rahaman A.	Synthesis of magnesium aluminate spinel nanocrystallites by co-precipitation as function of pH and temperature	Sadhana - Academy Proceedings in Engineering Sciences	45	1			0.769	10.1007/s12046-020-1265-z
1686	Senthil Kumar N., Dinakaran M.	An algorithmic approach to rank the disambiguous entities in Twitter streams for effective semantic search operations	Sadhana - Academy Proceedings in Engineering Sciences	45	1			0.769	10.1007/s12046-019-1247-1

1687	Vora R., Kadam V., Thangaraja J.	Experimental investigation on the filtration characteristics of a commercial diesel filter operated with raw and processed karanja-diesel blends	Sadhana - Academy Proceedings in Engineering Sciences	45	1			0.769	10.1007/s12046-020-01394-2
1688	Maurya V.K., Singh J., Ranjan V., Gothandam K.M., Bohn T., Pareek S.	Factors affecting the fate of β -carotene in the human gastrointestinal tract: A narrative review	International Journal for Vitamin and Nutrition Research					0.765	10.1024/0300-9831/a000674
1689	Verlan S., Fernau H., Kuppusamy L.	Universal insertion grammars of size two	Theoretical Computer Science					0.747	10.1016/j.tcs.2020.09.002
1690	Anitha K., Dhanalakshmi R., Naresh K., Devi D.R.	Hyperbolic Hopfield neural networks for image classification in content-based image retrieval	International Journal of Wavelets, Multiresolution and Information Processing					0.739	10.1142/S0219691320500599
1691	Joshva Devadas T.	A survey on agent learning architecture that adopts internet of things and wireless sensor networks	International Journal of Wavelets, Multiresolution and Information Processing					0.739	10.1142/S0219691320300029
1692	Kumar K., Saraswat S., Jindal S.K., Kumar A., Raghuwanshi S.K.	Experimental Validation of an IoT Based Device Selective Power Cut mechanism Using Power Line Carrier Communication for Smart Management of Electricity	Journal of Electrical Engineering and Technology					0.736	10.1007/s42835-020-00568-6
1693	Badugu J., Yeddula Pedda O., Choppavarapu S.B.	Role of Demand Side Management in Residential Distribution Systems with the Integration of Electric Vehicles	Journal of Electrical Engineering and Technology					0.736	10.1007/s42835-020-00566-8

1694	Rajendran L., Mathew A.T.	Analytical Solution for Large Deflection of Multilayered Composite Cantilever Beams with Interlayer Slip	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering	44	1	23	33	0.727	10.1007/s40997-018-0246-x
1695	Gaffar S.A., Bég O.A., Prasad V.R.	Mathematical Modeling of Natural Convection in a Third-Grade Viscoelastic Micropolar Fluid from an Isothermal Inverted Cone	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering					0.727	10.1007/s40997-018-0262-x
1696	Muralidharan M., Brolin A., Mithun R., Patil R., Palani I.A.	Investigations on Bending Characteristics of Soft Mesh Structure using Shape Memory Alloy Spring Towards Bio-Inspired Robotic Applications	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering					0.727	10.1007/s40997-020-00363-8
1697	Rajan R., Babu P.R., Senthilnathan K.	Light harvesting using solar cells and luminescent solar concentrators	Current Science	118	11	1652	1655	0.725	10.18520/cs/v118/i11/1652-1655
1698	Papitha R., Selvaraj C.I., Palanichamy V., Arunachalam P., Roopan S.M.	In vitro antioxidant and cytotoxic capacity of Kappaphycus alvarezii successive extracts	Current Science	119	5	790	798	0.725	10.18520/cs/v119/i5/790-798
1699	Nagajothi V., Priya M.G., Sharma P., Bahuguna I.M.	Mass balance of glaciers in Bhaga basin, Western Himalaya: a geospatial and temperature-weighted AAR based model approach	Current Science	119	12	1961	1973	0.725	10.18520/cs/v119/i12/1961-1973
1700	Anitha R., Nusrath Unnisa C.B., Hemapriya V., Mohana Roopan S., Chitra S., Chung I.-M., Kim S.-H., Mayakrishnan P.	Anti-corrosive potential of Cyperus rotundus as a viable corrosion inhibitor for mild steel in sulphuric acid	Pigment and Resin Technology					0.724	10.1108/PRT-11-2019-0101

1701	Kumar K.S., Esther B.P., Indrgandhi V., Sudhakar S., Ravi L., Subramaniaswamy V.	AREA BASED EFFICIENT AND FLEXIBLE DEMAND SIDE MANAGEMENT TO REDUCE POWER AND ENERGY USING EVOLUTIONARY ALGORITHMS	Malaysian Journal of Computer Science	2020	Special Issue 1	61	77	0.723	10.22452/mjcs.sp2020no1.5
1702	Kumar N.K., Gandhi V.I.	LOAD FREQUENCY CONTROL FOR AN ISOLATED HYBRID POWER SYSTEM WITH HYBRID CONTROL TECHNIQUE AND COMPARATIVE ANALYSIS WITH DIFFERENT CONTROL TECHNIQUES	Malaysian Journal of Computer Science	2020	Special Issue 1	78	92	0.723	10.22452/mjcs.sp2020no1.6
1703	Dharavah R., Raglend I.J.	POWER CONDITIONING OF SOLAR PHOTO VOLTAIC, BATTERY WITH FUEL CELL UNDER DYNAMIC SWITCHING OF LOADS	Malaysian Journal of Computer Science	2020	Special Issue 1	15	23	0.723	10.22452/mjcs.sp2020no1.2
1704	Kumar N., Dharmalingam S.	Quality by design-based development and optimization of a novel, dual wavelength HPLC method for determination of impurities in piribedil prolonged release tablets	Indian Journal of Pharmaceutical Sciences	82	2	203	215	0.721	
1705	Swathika O.V.G., Hemamalini S.	Graph Theory and Optimization Algorithms Aided Adaptive Protection in Reconfigurable Microgrid	Journal of Electrical Engineering and Technology	15	1	421	431	0.715	10.1007/s42835-019-00197-8
1706	Srinivasan K., Deepa N., Durai Raj Vincent P.M., Senthil Kumaran S.	Realizing the resolution enhancement of tube-to-tube plate friction welding microstructure images via hybrid sparsity model for improved weld interface defects diagnosis	Journal of Internet Technology	21	1	61	72	0.715	10.3966/160792642020012101007
1707	Rameshkumar K., Indragandhi V.	Real Time Implementation and Analysis of Enhanced Artificial Bee Colony Algorithm Optimized PI Control algorithm for Single Phase Shunt Active Power Filter	Journal of Electrical Engineering and Technology					0.715	10.1007/s42835-020-00437-2

1708	Ajith A., Kumar C.S., Marimuthu R., Balamurugan S.	Design and analysis of majority logic-based multipliers in perpendicular nanomagnetic logic	International Journal of Materials and Product Technology	60	1	40	57	0.714	10.1504/IJMPT.2020.108489
1709	Jean Jenifer Nesam J., Sivanantham S.	Reconfigurable half-precision floating-point real/complex fused multiply and add unit	International Journal of Materials and Product Technology	60	1	58	72	0.714	10.1504/IJMPT.2020.108488
1710	Prayline Rajabai C., Sivanantham S.	Analysis of hardware implementations of deblocking filter for video codecs	International Journal of Materials and Product Technology	60	04-Feb	214	235	0.714	10.1504/IJMPT.2020.110110
1711	Nashine H.K., Shil S., Garai H., Dey L.K., Parvaneh V.	Common fixed-point results in ordered left (right) quasi-b-metric spaces and applications	Journal of Mathematics	2020				0.712	10.1155/2020/8889453
1712	R S., L R., K L., V B., J S.B.	Chicken swarm foraging algorithm for big data classification using the deep belief network classifier	Data Technologies and Applications					0.704	10.1108/DTA-08-2019-0146
1713	Deepa A., Kuppan P., Krishnan P.	A Comparative Study of Structural Changes in Conventional and Unconventional Machining and Mechanical Properties Evaluation of Polypropylene Based Self Reinforced Composites	Science and Engineering of Composite Materials	27	1	108	118	0.700	10.1515/secm-2020-0012

1714	Hareendranathan G., Stella J.J., Selvaraj T., Murugan N.	GROUTING AND INJECTION TECHNIQUES TO REPAIR CRACKS AND WATER LEAKAGE AT THE RENUKA DEVI TEMPLE, CHANDRAGUTTI, INDIA [POPRAVLJANJE RAZPOK S TEHNIKAMI OMETAVANJA IN NABRIZGAVANJA V TEMPLJU RENUKA DEVI, CHANDRAGUTTI, INDIJA]	Materiali in Tehnologije	54	5	633	642	0.697	10.17222/mit.2019.250
1715	Mathew A.S., Abraham M.G., Selvaraj T., Jaganathan B.	CHARACTERISATION and OSL DATING of an ANCIENT BRICK WELL at PATTARAIKERUMBUDUR, TAMIL NADU, INDIA	Materiali in Tehnologije	54	6			0.697	10.17222/mit.2020.042
1716	Sadasivan S., Arumugam S.K., Aggarwal M.C.	An alternative numerical model for investigating three-dimensional steam turbine exhaust hood	Journal of Applied Fluid Mechanics	13	2	639	650	0.689	10.29252/jafm.13.02.30365
1717	John B., Bhargava D., Punia S., Rastogi P.	Drag and Heat Flux Reduction using Counterflow Jet and Spike - Analysis of their Equivalence for a Blunt Cone Geometry at Mach 8	Journal of Applied Fluid Mechanics	14	2	375	388	0.689	10.47176/jafm.14.02.31648
1718	John B., Vivekkumar P.	A Numerical Investigation on the Equivalence of Shock-Wave/ Boundary-Layer Interactions using a Two Equations RANS Model	Journal of Applied Fluid Mechanics	14	3	753	767	0.689	10.47176/jafm.14.03.31722
1719	Kannan K., Agilan S., Muthukumarasamy N., Vijayakumar K., Vinitha G.	Synthesis, characterization and nonlinear optical properties of si/pva-peg nanocomposites	Journal of Ovonic Research	16	6	355	360	0.687	
1720	Sivaraja C.M., Sakthivel G., Jegadeeshwaran R.	Selection of optimum bio-diesel fuel blend using fuzzy TOPSIS and fuzzy VIKOR approaches	International Journal of Oil, Gas and Coal Technology	23	2	261	291	0.683	10.1504/IJOGCT.2020.105455

1721	Eswar Reddy M., Ramachandra Reddy G.	Recursively Partitioned Clipped Histogram Equalization Techniques for Preserving Image Features	Proceedings of the National Academy of Sciences India Section A - Physical Sciences					0.681	10.1007/s40010-020-00670-4
1722	Parasuraman L., Mohanavel D.	Time-Dependent Nonlinear Finite Difference Analysis of Buoyancy-Driven Convective Flow over an Oscillating Porous Moving Vertical Cylinder	Proceedings of the National Academy of Sciences India Section A - Physical Sciences					0.681	10.1007/s40010-020-00676-y
1723	Yelamasetti B., Rajyalakshmi G.	Residual stress analysis, mechanical and weldments metallurgical of Monel properties 400 and of AISI dissimilar 316	International Journal of Materials Research	111	11	880	893	0.653	10.3139/146.111961
1724	Narendra M., Valarmathi M.L., Anbarasi L.J.	Optimization of 3D Triangular Mesh Watermarking Using ACO-Weber's Law	KSII Transactions on Internet and Information Systems	14	10	4042	4059	0.648	10.3837/tiis.2020.10.007
1725	Palakuru M., Adamala S., Bachina H.B.	Modeling yield and backscatter using satellite derived biophysical variables of rice crop based on artificial neural networks	Journal of Agrometeorology	22	1	41	47	0.644	
1726	Karthikeyan B., Premalatha L., Muthuselvan N.B.	Approach of using facts devices in restructured power systems using artificial intelligence technique- mtlbo algorithm	Journal of Environmental Protection and Ecology	21	1	258	267	0.634	
1727	Indhu R., Radha S., Manikandan E., Sreeja B.S.	A retrospect on laser micromachining for the fabrication of microfluidic components	Journal of Optoelectronics and Advanced Materials	22	08-Jul	400	410	0.631	

1728	Karthigeyan K.A., Manikandan E., Radha S.	Performance analysis of Terahertz planar antenna on Low-K polymer substrates	Journal of Optoelectronics and Advanced Materials	22	06-May	244	250	0.631	
1729	Deepa Nivethika S., Sreeja B.S., Radha S., Senthilpandian M.	Polymer resin coating over dielectric elastomer for effective stretchable RF devices	Journal of Optoelectronics and Advanced Materials	22	04-Mar	176	181	0.631	
1730	Vali K.S., Murugan S.B.	Properties of glass fiber reinforced cold-bonded artificial lightweight aggregates with different binders	Revista Romana de Materiale/ Romanian Journal of Materials	50	1	40	50	0.628	
1731	Sarumathi K., Elavenil S.	Mathematical modeling to develop a simple nano to macro structure concrete-based model	Revista Romana de Materiale/ Romanian Journal of Materials	50	2	183	190	0.628	
1732	Danish P., Mohan G.G.	Behaviour of self-compacting concrete using different mineral powders additions in ternary blends	Revista Romana de Materiale/ Romanian Journal of Materials	50	2	232	239	0.628	
1733	MAHESWARI S.U., SHAHINA A., RISHICKESH R., KHAN A.N.	A study on the impact of lombard effect on recognition of hindi syllabic units using CNN based multimodal ASR systems	Archives of Acoustics	45	3	419	431	0.618	10.24425/aoa.2020.134058
1734	THAMBA N.B., VENKATA K.K.T., NUTAKKI S., DURAISWAMY R.P., MOHAMMED N., WAHAB R.S., MANGALARAJA R.V., MANIVANNAN A.V.	Fault analysis of worm gear box using symlets wavelet	Archives of Acoustics	45	3	521	540	0.618	10.24425/aoa.2020.134069
1735	Dias S.M., Zárate L.E., Song M.A.J., Vieira N.J., Kumar C.A.	Extraction of qualitative behavior rules for industrial processes from reduced concept lattice	Intelligent Data Analysis	24	3	643	663	0.612	10.3233/IDA-194569

1736	Jahangiri J., Murugusundaramoorthy G., Vijaya K.	Classes of harmonic starlike functions defined by Sălăgean-type q-differential operators	Hacettepe Journal of Mathematics and Statistics	49	1	416	424	0.605	10.15672/hujms.568306
1737	Myneni V.R., Kanidarapu N.R., Vangalapati M.	Methylene blue adsorption by magnesium oxide nanoparticles immobilized with chitosan (CS-MgONP): Response surface methodology, isotherm, kinetics and thermodynamic studies	Iranian Journal of Chemistry and Chemical Engineering	39	6	29	42	0.604	10.30492/ijcce.2019.36342
1738	Biswas R., Vasan A., Roy S.S.	Dilated Deep Neural Network for Segmentation of Retinal Blood Vessels in Fundus Images	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	44	1	505	518	0.600	10.1007/s40998-019-00213-7
1739	Swaminathan N., Elangovan N.S., Anandan J.	Experimental study on the strength of lightweight geopolymers concrete with eco-friendly material [Experimentelle Untersuchung der Festigkeit von leichtem Geopolymerbeton unter Zusatz von umweltfreundlichen Materialien] [Eksperimentalno istraživanje čvrstoće laganog geopolimernog betona s dodatkom ekološki prihvatljivih materijala]	Gradjevinar	72	6	523	532	0.599	10.14256/JCE.2406.2018
1740	Jindal S.K., De R., Kumar A., Raghuwanshi S.K.	Novel MEMS Piezoresistive Sensor with Hair-Pin Structure to Enhance Tensile and Compressive Sensitivity and Correct Non-Linearity	Journal of Electronic Testing: Theory and Applications (JETTA)					0.596	10.1007/s10836-020-05895-0

1741	Ramanujam P., Venkatesan R., Arumugam C., Ponusamy M.	Design of Compact Highpass Filter for 5G mm-wave Applications Using Complementary Split Ring Resonator	Frequenz					0.595	10.1515/freq-2019-0194
1742	Manikanth G., Viswambharan A.I., Mathad P.	Novel compounds from Premna herbacea Roxb. With antidiabetic potential	Pakistan Journal of Pharmaceutical Sciences	33	5	1971	1979	0.562	10.36721/PJPS.2020.33.5.REG.1971-1979.1
1743	Roy S.S., Chopra R., Lee K.C., Spampinato C., Mohammadi-Ivatlood B.	Random forest, gradient boosted machines and deep neural network for stock price forecasting: A comparative analysis on South Korean companies	International Journal of Ad Hoc and Ubiquitous Computing	33	1	62	71	0.560	10.1504/IJAHUC.2020.104715
1744	Danish P., Mohan Ganesh G.	Durability properties of self-compacting concrete using different mineral powders additions in ternary blends	Revista Romana de Materiale/ Romanian Journal of Materials	50	3	369	378	0.542	
1745	Wategaonkar D.N., Reshmi T.R.	CSO-based energy-efficient reliable sectoring-scheme in WSN	Journal of Information Science and Engineering	36	5	1125	1140	0.541	10.6688/JISE.202009_36(5).0013
1746	Joseph S.S., Dennisan A.	Three dimensional reconstruction models for medical modalities: A comprehensive investigation and analysis	Current Medical Imaging Reviews	16	6	653	668	0.533	10.2174/1573405615666190124165855
1747	Sonia J.J., Dheeba J.	Classification of benign and malignant breast masses on mammograms for large datasets using core vector machines	Current Medical Imaging Reviews	16	6	703	710	0.533	10.2174/1573405615666190801121506
1748	Yeddula B.S.R., Somasundaram K.	Effect of red mud proportion on the strength and microstructure of ferrosialate based geopolymer mortar	Indian Journal of Engineering and Materials Sciences	27	3	554	563	0.521	

1749	Sangaravadivel P., Rajamurugan G., Krishnasamy P.	Significance of Tungsten disulfide on the mechanical and machining characteristics of phosphor bronze metal matrix composite	Advanced Composites Letters	29		1	13	0.517	10.1177/2633366x20962496
1750	Sasikumar K., Dubey V., Ghosh A.R.	Oleanolic acid from black raisins, vitis vinifera with antioxidant and antiproliferative potentials on hct 116 colon cancer cell line	Brazilian Journal of Pharmaceutical Sciences	56				0.512	10.1590/s2175-97902019000417158
1751	Palani Rajan T., Das S.	Evaluation of air permeability behaviour of warp knitted spacer fabrics	Indian Journal of Fibre and Textile Research	45	1	32	39	0.511	
1752	Murugesan G., Nithya R., Kalainathan S.	Rietveld refinement of Sm0.55Sr0.45Mn0.4Fe0.6O3	Powder Diffraction	35	1	31	33	0.511	10.1017/S0885715619000848
1753	Rajasekarababu K.B., Vinayagamurthy G.	CFD validation of wind pressure distribution on a tall building under the influence of upstream terrain	Progress in Computational Fluid Dynamics	20	5	284	298	0.507	10.1504/PCFD.2020.109905
1754	Varadharaj V.A., Suresh P.K.	Arecoline, hesperidin and trifluoperazine-mediated cytotoxicity and cell death potential in nih/3t3 fibroblasts cells –toxicity/safety assessment in a nih/3t3 model fibroblast cell line	Indian Journal of Pharmaceutical Education and Research	54	3	s537	s551	0.501	10.5530/ijper.54.3s.153
1755	Bhakyashree K., Kannabiran K.	Pharmaceutical and biotechnological importance of actinobacterial products	Indian Journal of Pharmaceutical Education and Research	54	4	858	864	0.501	10.5530/ijper.54.4.178
1756	Sambasiva Rao K., Beatriceveena T.V., Angani C.S., Agarwal L.	Novel time-domain parameters for detection and classification of flaws using pulsed eddy current technique	Journal of Magnetism	25	3	434	439	0.480	10.4283/JMAG.2020.25.3.434

1757	Santra A.K.	Constrained multifacility location problems – A review	International Journal of Industrial Engineering : Theory Applications and Practice	27	3	378	410	0.460	
1758	Shankar J.G., Edward J.B.	Design and implementation of 31 level asymmetrical cascaded MLI with DC-DC flyback converter for photovoltaic system using P&O technique for electric traction application	International Journal of Heavy Vehicle Systems	27	02-Jan	33	64	0.450	10.1504/IJHVS.2020.104403
1759	Srinivasan S., Dhinesh Babu L.D.	A neuro-fuzzy approach to detect rumors in online social networks	International Journal of Web Services Research	17	1	64	82	0.447	10.4018/IJWSR.2020010104
1760	Jain A., James N., Shanthi V., Ramanathan K.	Design of ALK inhibitors for non-small cell lung cancer – A fragment based approach	Indian Journal of Pharmaceutical Education and Research	54	1	114	124	0.425	10.5530/ijper.54.1.14
1761	Vaithiyalingam M., Chacko S.J., Anbalagan N., Siddique J.F.	Clot buster enzyme activity from bacillus sp.	Indian Journal of Pharmaceutical Education and Research	54	2	s374	s380	0.425	10.5530/ijper.54.2s.96
1762	Hiray K.S., Krishnan S.P.	Synthesis and characterization of un-encapsulated and pterostilbene-encapsulated DOTAP: Cholesterol liposomes	Indian Journal of Pharmaceutical Education and Research	54	2	S182	S188	0.425	10.5530/ijper.54.2s.74
1763	Kondapaneni A., Hemanth C., Sangeetha R.G., Vaishnavi Priyanka R.S.J., Sanjay Saradhi M.	A Smart Drowsiness Detection System for Accident Prevention	National Academy Science Letters					0.416	10.1007/s40009-020-01000-3
1764	Gopalan V., Suthenthiraveerappa V., Tiwari S.K., Mehta N., Shukla S.	Dynamic characteristics of a honeycomb sandwich beam made with jute/epoxy composite skin	Emerging Materials Research	9	1	1	9	0.413	10.1680/jemmr.19.00082

1765	Mahalingam S., Gopalan V., Velivela H., Pragasam V., Prabhakaran P., Suthenthiraveerappa V.	Studies on shear strength of CNT/coir fibre/fly ash-reinforced epoxy polymer composites	Emerging Materials Research	9	1	78	88	0.413	10.1680/jemmr.19.00098
1766	Sarkar G., Suthindhiran K.	Identification of urease producing Virgibacillus sp. UR1 from marine sediments	Indian Journal of Biotechnology	19	1	28	37	0.413	
1767	Anandan G., Rajamohan V., Gopalan V.	Investigation on thermal buckling analysis of jute/epoxy polymer matrix composites	Emerging Materials Research	9	4	1229	1236	0.413	10.1680/jemmr.19.00169
1768	Kumar A., Abhishek K., Shandilya S.K., Ghalib M.R.	Malware analysis through random forest approach	Journal of Web Engineering	19	06-May	795	818	0.396	10.13052/jwe1540-9589.195610
1769	Venkatesan K., Raphael C.J., Varghese K.M., Gopu P., Sivakumar S., Boban M., Raj N.A.N., Senthilnathan K., Ramesh Babu P.	Volume and dosimetric analysis of rectum and bladder for prostate carcinoma patients by using kilo voltage cone beam computed tomography (CBCT)	International Journal of Radiation Research	18	3	557	569	0.389	10.18869/acadpub.i jrr.18.3.557
1770	Kanagavel R., Vairavasundaram I.	FPGA implementation and investigation of hybrid artificial Bee colony algorithm-based single phase shunt active filter	Comptes Rendus de L'Academie Bulgare des Sciences	73	5	703	711	0.343	10.7546/CRABS.2020.05.13
1771	Babu V., Devi C.S.	A Statistical Application for the Enhanced Production of Streptokinase from a Mutant Strain Streptococcus equinus VIT_VB2	National Academy Science Letters					0.331	10.1007/s40009-020-00912-4
1772	Fatima R., Karthikeyan K., Sudhakaran R., Anuja K., Prafull R., Ganesh K.	Efficacy studies on commercially available probiotics to induce immune response and resistance in tilapia fish (Oreochromis mossambicus), against Vibrio infection	Indian Journal of Geo-Marine Sciences	49	7	1175	1183	0.328	

1773	Palakurua M., Yarrakula K.	A comparison study of space borne Dual Polarization Difference Index (Sea Wind SCATSAT-1 Scatterometer) and NDVI (MODIS) on paddy crop growth	Indian Journal of Geo-Marine Sciences	49	9	1580	1586	0.328	
1774	Radha S., Vanchinathan P.	Dimension formula for the space of relative symmetric polynomials of D_n with respect to any irreducible representation	Proceedings of the Indian Academy of Sciences: Mathematical Sciences	130	1			0.318	10.1007/s12044-019-0531-7
1775	Kumar A., Ram S., Al-Hasan M.	Online spotlight: A planar cavity-backed self-triplexing slot antenna for planar integration	Microwave Journal	63	10			0.247	
1776	Ashok Kumar L., Indragandhi V., Pius S.	Design and implementation of advanced harmonic filter for variable frequency automotive drives	EPE Journal (European Power Electronics and Drives Journal)					0.219	10.1080/09398368.2020.1750866
1777	Jenitha Blessy J., Bhuvaneshwari V.	The dynamics of dalit women consciousness in the select short stories of Bama	Gedrag en Organisatie	33	2	1249	1255	0.207	10.37896/GOR33.02/135
1778	Neyah R., Vijayakumar M.	Pan-Africanism and modernization of African ideology: A shot on Hakim Adi's works	Gedrag en Organisatie	33	2	1263	1270	0.207	10.37896/GOR33.02/137
1779	David J.S., Buvaneshwari V.	Myths and dreams in ben okri's songs of enchantment	Gedrag en Organisatie	33	2	1271	1274	0.207	10.37896/GOR33.02/138
1780	Ranjan S., Dasgupta N., Verma P., Ramalingam C.	Acute and sub-chronic toxicity of titanium dioxide nanoparticles synthesized by microwave-irradiation-assisted hybrid chemical approach	Journal of the Indian Chemical Society	97	3	483	491	0.158	