

Ajay Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

543
papers

14,684
citations

28242

55
h-index

37183

96
g-index

553
all docs

553
docs citations

553
times ranked

15472
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of artificial intelligence for optimizing biosorption of textile wastewater using agricultural waste. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 22-34.	1.2	9
2	An investigation for the interaction of gamma oryzanol with the Mpro of SARS-CoV-2 to combat COVID-19: DFT, molecular docking, ADME and molecular dynamics simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1919-1929.	2.0	11
3	Recent advances and future perspectives on nanoparticles-controlled alignment of liquid crystals for displays and other photonic devices. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2023, 48, 57-92.	6.8	13
4	Designed thiazolidines: an arsenal for the inhibition of nsP3 of CHIKV using molecular docking and MD simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 1607-1616.	2.0	11
5	Towards cough sound analysis using the Internet of things and deep learning for pulmonary disease prediction. <i>Transactions on Emerging Telecommunications Technologies</i> , 2022, 33, e4184.	2.6	11
6	DFT and docking studies of designed conjugates of noscapines & repurposing drugs: promising inhibitors of main protease of SARS-CoV-2 and falcipain-2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 2600-2620.	2.0	14
7	Secure smart contracts for cloud-based manufacturing using Ethereum blockchain. <i>Transactions on Emerging Telecommunications Technologies</i> , 2022, 33, e4129.	2.6	25
8	Comprehensive Study of all-in-one Simultaneous Multiple Optical Logic Gate Devices Using Mach-Zehnder Interferometer based on the Electro-optic Effect. <i>IETE Technical Review (Institution of Tj ETQq0 20 rgBT / Overlock 10</i>	2.0	10
9	Lignin-modifying enzymes: a green and environmental responsive technology for organic compound degradation. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 327-342.	1.6	23
10	Characterization of physico-chemical and functional properties of fly ash concrete mix. <i>Materials Today: Proceedings</i> , 2022, 50, 941-945.	0.9	10
11	Impact of process variables on surface roughness in negative incremental forming process. <i>Materials Today: Proceedings</i> , 2022, 50, 930-934.	0.9	4
12	The expanding domains of 3D printing pertaining to the speciality of orthodontics. <i>Materials Today: Proceedings</i> , 2022, 50, 1611-1618.	0.9	12
13	A review on microplastic pollution in the mangrove wetlands and microbial strategies for its remediation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4865-4879.	2.7	23
14	Genetic and molecular mechanisms underlying mangrove adaptations to intertidal environments. <i>IScience</i> , 2022, 25, 103547.	1.9	23
15	An insight into the molecular docking interactions of plant secondary metabolites with virulent factors causing common human diseases. <i>South African Journal of Botany</i> , 2022, 149, 1008-1016.	1.2	1
16	In silico study of remdesivir with and without ionic liquids having different cations using DFT calculations and molecular docking. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100328.	1.3	2
17	Fabrication and characterization of high-performance forward-osmosis membrane by introducing manganese oxide incited graphene quantum dots. <i>Journal of Environmental Management</i> , 2022, 305, 114335.	3.8	17
18	Stochastic Petri Nets modelling for performance assessment of a manufacturing unit. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	3

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19	Interfering of liquid fuel dropletsâ€™A burning approach. <i>Materials Today: Proceedings</i> , 2022, 56, 278-281.	0.9	1
20	PVA-coated miniaturized flexible fiber optic sensor for acetone detection: a prospective study for non-invasive diabetes diagnosis. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 2509-2517.	1.1	4
21	In Silico Evaluation of Binding of 2-Deoxy-D-Glucose with Mpro of nCoV to Combat COVID-19. <i>Pharmaceutics</i> , 2022, 14, 135.	2.0	12
22	Analysis and investigation of fuzzy expert system for predicting the child anaemia. <i>Materials Today: Proceedings</i> , 2022, 56, 231-236.	0.9	2
23	Impact of artificial intelligence on civilization: Future perspectives. <i>Materials Today: Proceedings</i> , 2022, 56, 252-256.	0.9	3
24	Study of fuzzy expert system for the diagnosis of various types of cancer. <i>Materials Today: Proceedings</i> , 2022, 56, 298-307.	0.9	3
25	Study of 3D scanning technologies and scanners in orthodontics. <i>Materials Today: Proceedings</i> , 2022, 56, 186-193.	0.9	12
26	Liquid crystals/liquid crystal polymers nanocomposites for memory applications. , 2022, , 117-140.		0
27	A review on bioactive phytochemicals and ethnopharmacological potential of purslane (<i>Portulaca</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	37
28	Isolation and Characterization of Endophytes Bacterial Strains of <i>Momordica charantia</i> L. and Their Possible Approach in Stress Management. <i>Microorganisms</i> , 2022, 10, 290.	1.6	17
29	Prediction of temperature for various pressure levels using ANN and multiple linear regression techniques: A case study. <i>Materials Today: Proceedings</i> , 2022, 56, 194-199.	0.9	6
30	Study of deep learning techniques for medical image analysis: A review. <i>Materials Today: Proceedings</i> , 2022, 56, 209-214.	0.9	12
31	Computational analysis of a heat transfer characteristic of a wavy and corrugated channel. <i>Materials Today: Proceedings</i> , 2022, 56, 263-273.	0.9	7
32	Selling price, time dependent demand and variable holding cost inventory model with two storage facilities. <i>Materials Today: Proceedings</i> , 2022, 56, 245-251.	0.9	3
33	Design, analysis and implementation of electronically interfaced photovoltaic system using ARM Cortex-M4 microcontroller. <i>Computers and Electrical Engineering</i> , 2022, 98, 107701.	3.0	8
34	Genome-Wide Analysis and Characterization of the Proline-Rich Extensin-like Receptor Kinases (PERKs) Gene Family Reveals Their Role in Different Developmental Stages and Stress Conditions in Wheat (<i>Triticum aestivum</i> L.). <i>Plants</i> , 2022, 11, 496.	1.6	24
35	Algal Metabolites Can Be an Immune Booster against COVID-19 Pandemic. <i>Antioxidants</i> , 2022, 11, 452.	2.2	7
36	<i>Sauropus androgynus</i> (L.) Merr.: a multipurpose plant with multiple uses in traditional ethnic culinary and ethnomedicinal preparations. <i>Journal of Ethnic Foods</i> , 2022, 9, .	0.8	7

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37	A comprehensive update on Capsicum proteomics: Advances and future prospects. Journal of Proteomics, 2022, 261, 104578.	1.2	6
38	MNERLP-MUL: Merged node and edge relevance based link prediction in multiplex networks. Journal of Computational Science, 2022, 60, 101606.	1.5	15
39	Nanoparticles mediated localized therapy abrogates autophagy through modulation of Beclin1 and Atg7 for the management of ischemia-reperfusion disorder. Chemical Engineering Journal, 2022, 438, 135557.	6.6	3
40	Treatment of textile industry wastewater by using high-performance forward osmosis membrane tailored with alpha-manganese dioxide nanoparticles for fertigation. Environmental Science and Pollution Research, 2022, 29, 80032-80043.	2.7	15
41	Biocontrol Potential of Microbial Consortia: Approaches in Food Security and Disease Management. , 2022, , 187-203.		2
42	Towards a Digital Twin of the Earth System: Geo-Soft-CoRe, a Geoscientific Software & Code Repository. Frontiers in Earth Science, 2022, 10, .	0.8	1
43	Cellulose-Conjugated Copper-Oxide Nanoparticles for the Treatment of Ethanol-Induced Gastric Ulcers in Wistar Rats. ACS Biomaterials Science and Engineering, 2022, 8, 2636-2643.	2.6	2
44	Big data dimensionality reduction techniques in IoT: review, applications and open research challenges. Cluster Computing, 2022, 25, 4027-4049.	3.5	11
45	Bioprospects of Endophytic Bacteria in Plant Growth Promotion and Ag-Nanoparticle Biosynthesis. Plants, 2022, 11, 1787.	1.6	7
46	Securing logistics system and supply chain using Blockchain. Applied Stochastic Models in Business and Industry, 2021, 37, 413-428.	0.9	18
47	<i>trans</i>-Anethole Abrogates Cell Proliferation and Induces Apoptosis through the Mitochondrial-Mediated Pathway in Human Osteosarcoma Cells. Nutrition and Cancer, 2021, 73, 1727-1745.	0.9	7
48	Multilabel classification of remote sensed satellite imagery. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3988.	2.6	16
49	Diacetoxy iodobenzene mediated regioselective synthesis and characterization of novel [1,2,4]triazolo[4,3-a]pyrimidines: apoptosis inducer, antiproliferative activities and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4398-4414.	2.0	9
50	Remediation of Arsenic by Metal/ Metal Oxide Based Nanocomposites/ Nanohybrids: Contamination Scenario in Groundwater, Practical Challenges, and Future Perspectives. Separation and Purification Reviews, 2021, 50, 283-314.	2.8	14
51	Characterization of A356/B4C composite fabricated by electromagnetic stir-casting process with vacuum. Materials Today: Proceedings, 2021, 34, 832-841.	0.9	6
52	Development of graphite and alumina reinforced aluminium based composite material. Materials Today: Proceedings, 2021, 34, 825-828.	0.9	3
53	Modulation of mutagenicity in Salmonella typhimurium and antioxidant properties and antiproliferative effects of fractions from Cassia fistula L. on human cervical HeLa and breast MCF-7 cancer cells. Environmental Science and Pollution Research, 2021, 28, 6619-6634.	2.7	8
54	Enteric-coated gelatin nanoparticles mediated oral delivery of 5-aminosalicylic acid alleviates severity of DSS-induced ulcerative colitis. Materials Science and Engineering C, 2021, 119, 111582.	3.8	46

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55	Wire EDM process parameter optimization for D2 steel. <i>Materials Today: Proceedings</i> , 2021, 37, 2478-2482.	0.9	28
56	Experimental Validation of an IoT Based Device Selective Power Cut mechanism Using Power Line Carrier Communication for Smart Management of Electricity. <i>Journal of Electrical Engineering and Technology</i> , 2021, 16, 67-77.	1.2	3
57	Do brands make consumers happy?- A masstige theory perspective. <i>Journal of Retailing and Consumer Services</i> , 2021, 58, 102318.	5.3	57
58	Onosma bracteata Wall. induces G0/G1 arrest and apoptosis in MG-63 human osteosarcoma cells via ROS generation and AKT/GSK3 β /cyclin E pathway. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14983-15004.	2.7	12
59	An Efficient Privacy-Preserving ID Centric Authentication in IoT Based Cloud Servers for Sustainable Smart Cities. <i>Wireless Personal Communications</i> , 2021, 117, 3229-3253.	1.8	15
60	Plasmon induced hot electron generation in two dimensional carbonaceous nanosheets decorated with Au nanostars: enhanced photocatalytic activity under visible light. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1448-1467.	3.2	50
61	A Semi-Analytical and Computationally Efficient Method to Calculate the Touch-Point Pressure and Pull-In Voltage of a MEMS Pressure Sensor With a Circular Diaphragm. <i>IEEE Sensors Journal</i> , 2021, 21, 1332-1339.	2.4	3
62	Effect of Engineered Nanoparticles on Soil Attributes and Potential in Reclamation of Degraded Lands. <i>Advances in Science, Technology and Innovation</i> , 2021, , 119-128.	0.2	1
63	Aminocellulose - grafted polycaprolactone-coated core-shell nanoparticles alleviate the severity of ulcerative colitis: a novel adjuvant therapeutic approach. <i>Biomaterials Science</i> , 2021, 9, 5868-5883.	2.6	20
64	Deep Learning and Internet of Things Based Lung Ailment Recognition Through Coughing Spectrograms. <i>IEEE Access</i> , 2021, 9, 95938-95948.	2.6	25
65	An exploratory analysis of mall attractive dimensions from the perspective of tier-II cities customers. <i>International Journal of Business Innovation and Research</i> , 2021, 25, 78.	0.1	2
66	Nanotechnology-Based Treatment Systems for Arsenic Sequestration in Groundwater: Contamination, Challenges and Future Scope of Studies. <i>Environmental and Microbial Biotechnology</i> , 2021, , 35-57.	0.4	0
67	Genome scale metabolic model driven strategy to delineate host response to <i>Mycobacterium tuberculosis</i> infection. <i>Molecular Omics</i> , 2021, 17, 296-306.	1.4	1
68	A novel graphene pressure sensor with zigzag shaped piezoresistors for maximum strain coverage for enhancing the sensitivity of the pressure sensor. <i>International Journal for Simulation and Multidisciplinary Design Optimization</i> , 2021, 12, 14.	0.6	6
69	Synthesis and Stability of Al ₂ O ₃ /Water Nanofluids. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 3-11.	0.3	0
70	Socio-demographic analysis of injury pattern among road traffic accident victims admitted in a tertiary care hospital. <i>International Journal of Orthopaedics Sciences</i> , 2021, 7, 39-42.	0.0	0
71	Impact of Step Size, Spindle Speed and Sheet Thickness on Forming Force in SPIF. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 917-926.	0.3	2
72	Sulfonic acid functionalized graphitic carbon nitride as solid acid-base bifunctional catalyst for Knoevenagel condensation and multicomponent tandem reactions. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6265-6278.	3.2	70

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73	Influence of Wall Angle, Feed Rate, and Sheet Thickness on Forming Force in SPIF. Lecture Notes in Mechanical Engineering, 2021, , 329-338.	0.3	1
74	Analysis of Dermatology referrals and diagnostic accuracy in a medical college. Asian Journal of Medical Sciences, 2021, 12, 71-74.	0.0	0
75	Perceived outcomes of e-learning: identifying key attributes affecting user satisfaction in higher education institutes. Measuring Business Excellence, 2021, 25, 216-229.	1.4	11
76	Designing the marketspace for millennials: fun, functionality or risk?. Journal of Marketing Analytics, 2021, 9, 311-327.	2.2	6
77	Enema based therapy using liposomal formulation of low molecular weight heparin for treatment of active ulcerative colitis: New adjunct therapeutic opportunity. Materials Science and Engineering C, 2021, 121, 111851.	3.8	13
78	Role of Traditional Ethnobotanical Knowledge and Indigenous Communities in Achieving Sustainable Development Goals. Sustainability, 2021, 13, 3062.	1.6	24
79	A novel active current co-efficient extraction-based control for grid-tied solar photovoltaic system. IET Power Electronics, 2021, 14, 2099-2114.	1.5	1
80	Stereospecific N-acylation of indoles and corresponding microwave mediated synthesis of pyrazinoindoles using hexafluoroisopropanol. Tetrahedron, 2021, 84, 132017.	1.0	10
81	PLB: a resilient and adaptive task scheduling scheme based on multi-queues for cloud environment. Cluster Computing, 2021, 24, 2615-2637.	3.5	10
82	Aminocellulose-grafted-polycaprolactone coated gelatin nanoparticles alleviate inflammation in rheumatoid arthritis: A combinational therapeutic approach. Carbohydrate Polymers, 2021, 258, 117600.	5.1	36
83	Profiling of miRNAs in Bhut Jolokia (Capsicum chinense) and Kon Jolokia (C. frutescens) of Northeast India. Scientia Horticulturae, 2021, 281, 109952.	1.7	4
84	THP1 proteomics in response to mycobacterium tuberculosis infection. Data in Brief, 2021, 35, 106803.	0.5	3
85	Effect of Concomitant Hydroxyurea Therapy with Rutin and Gallic Acid: Integration of Pharmacokinetic and Pharmacodynamic Approaches. ACS Omega, 2021, 6, 14542-14550.	1.6	6
86	Impact of packhouse treatments on the peel microbiome of mandarin fruit (cv. Orr). Postharvest Biology and Technology, 2021, 176, 111519.	2.9	8
87	IIIM-941, a Stilbene Derivative Inhibits NLRP3 Inflammasome Activation by Inducing Autophagy. Frontiers in Pharmacology, 2021, 12, 695712.	1.6	7
88	UV Light Detection Using Resonance Frequency of Piezoelectric Quartz Crystal. IEEE Transactions on Electron Devices, 2021, 68, 2791-2795.	1.6	8
89	Opposite Symmetry in the Lithospheric Structure of the Alboran and Algerian Basins and Their Margins (Western Mediterranean): Geodynamic Implications. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021388.	1.4	12
90	Integrating Omics and Gene Editing Tools for Rapid Improvement of Traditional Food Plants for Diversified and Sustainable Food Security. International Journal of Molecular Sciences, 2021, 22, 8093.	1.8	33

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91	Safranal inhibits NLRP3 inflammasome activation by preventing ASC oligomerization. <i>Toxicology and Applied Pharmacology</i> , 2021, 423, 115582.	1.3	7
92	Performance Analysis of Complex Manufacturing System using Petri Nets Modeling Method. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012061.	0.3	6
93	The Potential Application of Endophytes in Management of Stress from Drought and Salinity in Crop Plants. <i>Microorganisms</i> , 2021, 9, 1729.	1.6	70
94	Study of process conditions on surface roughness in Incremental Forming Process. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012090.	0.3	3
95	RPL Based Routing Protocols for Load Balancing in IoT Network. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012073.	0.3	5
96	Optical Band Gap Determination of Ni-Al Doped Polyaniline at Room Temperature and Different Annealing Temperatures. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012091.	0.3	5
97	Intellectual Tool to Compute Embodied Energy and Carbon Dioxide Emission for Building Construction Materials. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012025.	0.3	7
98	A Novel Automating Irrigation Techniques based on Artificial Neural Network and Fuzzy Logic. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012088.	0.3	6
99	Study and Trend Prediction of Covid-19 cases in India using Deep Learning Techniques. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012084.	0.3	7
100	Exploration of wall angle and tool rotation on surface roughness in Negative Incremental Forming Process. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012092.	0.3	3
101	Efficient Maize Tassel-Detection Method using UAV based remote sensing. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 23, 100549.	0.8	7
102	Quality-of-Service Prediction Techniques for Wireless Sensor Networks. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012082.	0.3	5
103	Improvement of a Traditional Orphan Food Crop, <i>Portulaca oleracea</i> L. (Purslane) Using Genomics for Sustainable Food Security and Climate-Resilient Agriculture. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	8
104	Effect of sliding velocity on the wear behavior of HVOF sprayed Al ₂ O ₃ coating. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012008.	0.3	3
105	Class Schedule Generation using Evolutionary Algorithms. <i>Journal of Physics: Conference Series</i> , 2021, 1950, 012067.	0.3	10
106	Gamma radiation formation of sterculia gum-alginate-carbopol hydrogel dressing by grafting method for use in brain drug delivery. <i>Chemical Physics Letters</i> , 2021, 779, 138875.	1.2	13
107	Microbial Biosurfactant: A New Frontier for Sustainable Agriculture and Pharmaceutical Industries. <i>Antioxidants</i> , 2021, 10, 1472.	2.2	68
108	Comparative Study of Ovule Development between Wild (<i>Passiflora foetida</i> L.) and Cultivated (<i>P. edulis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 <i>Zoological and Botanical Gardens</i> , 2021, 2, 502-516.	1.0	1

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109	Impact of Wall Angle, Step Size and Spindle Speed on Forming Force in Single Point Incremental Forming. Lecture Notes in Mechanical Engineering, 2021, , 885-894.	0.3	0
110	Implementation of all-optical ripple down counter using the micro-ring resonator structures. Applied Physics B: Lasers and Optics, 2021, 127, 1.	1.1	12
111	Practicing Mass Casualty Scenarios: Experience From a Developing Level 1 Trauma Center in the Himalayan Foothills. Disaster Medicine and Public Health Preparedness, 2021, 15, 421-426.	0.7	4
112	Changes in the Fungal Community Assembly of Apple Fruit Following Postharvest Application of the Yeast Biocontrol Agent <i>Metschnikowia fructicola</i> . Horticulturae, 2021, 7, 360.	1.2	12
113	Comparative Life Cycle Assessment of Gasification and Landfilling for Disposal of Municipal Solid Wastes. Energies, 2021, 14, 7032.	1.6	11
114	A prospective study to assess serum level of soluble thrombomodulin as early marker of acute traumatic coagulopathy in polytrauma patients. International Surgery Journal, 2021, 8, 3381.	0.0	0
115	Do you think of gangrenous gallbladder following blunt trauma abdomen? a rare case report. International Surgery Journal, 2021, 8, 3720.	0.0	0
116	Role of mall attractiveness in shaping fashion shopping orientation of apparel shoppers: a segmentation approach. Research Journal of Textile and Apparel, 2021, ahead-of-print, .	0.6	0
117	Post-Traumatic Testicular Torsion - A Delayed Presentation. Journal of Evolution of Medical and Dental Sciences, 2021, 10, 3808-3809.	0.1	0
118	Potential Anti-Mykobacterium tuberculosis Activity of Plant Secondary Metabolites: Insight with Molecular Docking Interactions. Antioxidants, 2021, 10, 1990.	2.2	12
119	A review on mechanical properties of coir based composites. Materials Today: Proceedings, 2021, , .	0.9	2
120	Enhanced recovery after surgery protocol versus conventional care in emergency abdominal trauma surgery: a prospective, randomised, controlled study. International Surgery Journal, 2021, 9, 118.	0.0	0
121	<i>Butea monosperma</i> (Lam.) Taub. Bark fractions protect against free radicals and induce apoptosis in MCF-7 breast cancer cells via cell-cycle arrest and ROS-mediated pathway. Drug and Chemical Toxicology, 2020, 43, 398-408.	1.2	8
122	A comparative review of meta-heuristic approaches to optimize the SLA violation costs for dynamic execution of cloud services. Soft Computing, 2020, 24, 3909-3922.	2.1	36
123	Bioremediation. , 2020, , 1-23.		20
124	Plant growth-promoting rhizobacteria and their functional role in salinity stress management. , 2020, , 151-160.		14
125	SMIR model for controlling the spread of information in social networking sites. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 122978.	1.2	10
126	Experimental prototype of a novel feed forward compensation for DC-link voltage stabilization in grid-tied PV system. International Transactions on Electrical Energy Systems, 2020, 30, e12172.	1.2	9

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127	IM&SSO: Maximizing influence in social networks using social spider optimization. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5421.	1.4	19
128	Improved Domino Logic Circuits and its Application in Wide Fan-In OR Gates. <i>Micro and Nanosystems</i> , 2020, 12, 58-67.	0.3	7
129	Multipath Delay Analysis Using Queuing Theory for Gateway Selection in Hybrid MANET. <i>Wireless Personal Communications</i> , 2020, 111, 9-32.	1.8	6
130	Plant growth—promoting bacteria and their role in environmental management. , 2020, , 161-175.		4
131	“Masstige™ marketing: A review, synthesis and research agenda. <i>Journal of Business Research</i> , 2020, 113, 384-398.	5.8	234
132	Lysophosphatidic acid promotes survival of T lymphoma cells by altering apoptosis and glucose metabolism. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2020, 25, 135-150.	2.2	15
133	Link prediction in complex networks based on Significance of Higher-Order Path Index (SHOPI). <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123790.	1.2	27
134	PARBAC: Priority-Attribute-Based RBAC Model for Azure IoT Cloud. <i>IEEE Internet of Things Journal</i> , 2020, 7, 2890-2900.	5.5	31
135	Discovery of benzo[cd]indol-2-one and benzylidene-thiazolidine-2,4-dione as new classes of NLRP3 inflammasome inhibitors via ER- β structure based virtual screening. <i>Bioorganic Chemistry</i> , 2020, 95, 103500.	2.0	16
136	Genetically engineered bacteria for the degradation of dye and other organic compounds. , 2020, , 331-350.		18
137	CLP-ID: Community-based link prediction using information diffusion. <i>Information Sciences</i> , 2020, 514, 402-433.	4.0	36
138	ACO-IM: maximizing influence in social networks using ant colony optimization. <i>Soft Computing</i> , 2020, 24, 10181-10203.	2.1	45
139	Photo-degradation of noxious pollutants from water system using <i>Cornulaca monacantha</i> stem supported ZnFe ₂ O ₄ magnetic bio-nanocomposite. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100290.	1.6	14
140	Zingerone produces antidiabetic effects and attenuates diabetic nephropathy by reducing oxidative stress and overexpression of NF- κ B, TNF- α , and COX-2 proteins in rats. <i>Journal of Functional Foods</i> , 2020, 74, 104199.	1.6	12
141	An unusual mechanism of hook impalement injury “ A case report. <i>Trauma Case Reports</i> , 2020, 28, 100332.	0.2	0
142	A successful off-pump cardiac repair following blunt cardiac rupture “ A case report. <i>Trauma Case Reports</i> , 2020, 29, 100344.	0.2	1
143	Comparative acute intravenous toxicity study of triple polymer-layered magnetic nanoparticles with bare magnetic nanoparticles in Swiss albino mice. <i>Nanotoxicology</i> , 2020, 14, 1362-1380.	1.6	14
144	Optimization of process parameters of A-359 aluminium alloy in EPS-assisted-investment casting process using Taguchi method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 804, 012020.	0.3	1

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145	Oxidized graphitic carbon nitride as a sustainable metal-free catalyst for hydrogen transfer reactions under mild conditions. <i>Green Chemistry</i> , 2020, 22, 5084-5095.	4.6	71
146	Discrimination of filled and unfilled grains of rice panicles using thermal and RGB images. <i>Journal of Cereal Science</i> , 2020, 95, 103037.	1.8	7
147	Novel MEMS Piezoresistive Sensor with Hair-Pin Structure to Enhance Tensile and Compressive Sensitivity and Correct Non-Linearity. <i>Journal of Electronic Testing: Theory and Applications (JETTA)</i> , 2020, 36, 509-517.	0.9	2
148	Distributed power generation via gasification of biomass and municipal solid waste: A review. <i>Journal of the Energy Institute</i> , 2020, 93, 2293-2313.	2.7	53
149	Violent activity recognition by E-textile sensors based on machine learning methods. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 8115-8123.	0.8	8
150	Pseudo affine projection assisted multitasking approach for power quality improvement in grid-connected interactive photovoltaic (PV) system. <i>IET Power Electronics</i> , 2020, 13, 2905-2916.	1.5	3
151	A pilot study to evaluate urine LAM assay for diagnosis of pulmonary tuberculosis among non-HIV patients. <i>Tropical Doctor</i> , 2020, 50, 343-346.	0.2	0
152	Parametric Investigation of Forming Forces in Single Point Incremental Forming. <i>Materials Today: Proceedings</i> , 2020, 24, 611-617.	0.9	10
153	Modified Simple Chemical Plume Tracing Algorithm. <i>Journal of Physics: Conference Series</i> , 2020, 1455, 012006.	0.3	2
154	Economics of Distributed Power Generation via Gasification of Biomass and Municipal Solid Waste. <i>Energies</i> , 2020, 13, 3703.	1.6	27
155	CIG based Stress Identification Method for Maize Crop using UAV based Remote Sensing. , 2020, , .		2
156	Human activity detection using machine learning methods from wearable sensors. <i>Sensor Review</i> , 2020, 40, 591-603.	1.0	19
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