

# Dr Manoj Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/54154/publications.pdf>

Version: 2024-02-01

611  
papers

20,068  
citations

14655

66  
h-index

27406

106  
g-index

631  
all docs

631  
docs citations

631  
times ranked

22017  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Non-invasive Approach to Identify Insulin Resistance with Triglycerides and HDL-c Ratio Using Machine learning. <i>Neural Processing Letters</i> , 2023, 55, 93-113.	3.2	29
2	Machine learning-based diffusion model for prediction of coronavirus-19 outbreak. <i>Neural Computing and Applications</i> , 2023, 35, 13755-13774.	5.6	18
3	Black soybean ( <i>Glycine max</i> (L.) Merr.): paving the way toward new nutraceutical. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 6208-6234.	10.3	4
4	Copper-induced Genotoxicity, Oxidative Stress, and Alteration in Transcriptional Level of Autophagy-associated Genes in Snakehead Fish <i>Channa punctatus</i> . <i>Biological Trace Element Research</i> , 2023, 201, 2022-2035.	3.5	4
5	Microbial Dysbiosis Tunes the Immune Response Towards Allergic Disease Outcomes. <i>Clinical Reviews in Allergy and Immunology</i> , 2023, 65, 43-71.	6.5	14
6	Prediction of Landsliding using Univariate Forecasting Models. <i>Internet Technology Letters</i> , 2022, 5, e209.	1.9	16
7	Stem cells-derived <i>in vitro</i> meat: from petri dish to dinner plate. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 2641-2654.	10.3	13
8	MTCEE-LLN: Multilayer Threshold Cluster-Based Energy-Efficient Low-Power and Lossy Networks for Industrial Internet of Things. <i>IEEE Internet of Things Journal</i> , 2022, 9, 4940-4948.	8.7	31
9	Xanthohumol: A Metabolite with Promising Anti-Neoplastic Potential. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 418-432.	1.7	6
10	Rotated majority gate-based 2n-bit full adder design in quantum-dot cellular automata nanotechnology. <i>Circuit World</i> , 2022, 48, 48-63.	0.9	7
11	Fermented barley bran: An improvement in phenolic compounds and antioxidant properties. <i>Journal of Food Processing and Preservation</i> , 2022, 46, e15543.	2.0	12
12	A differentiated learning environment in domain model for learning disabled learners. <i>Journal of Computing in Higher Education</i> , 2022, 34, 60-82.	6.1	16
13	Flavonoids as potential anti-platelet aggregation agents: from biochemistry to health promoting abilities. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8045-8058.	10.3	28
14	Evaluation of detoxified cottonseed protein isolate for application as food supplement. <i>Toxin Reviews</i> , 2022, 41, 412-419.	3.4	20
15	An intelligent tutoring system architecture based on fuzzy neural network (FNN) for special education of learning disabled learners. <i>Education and Information Technologies</i> , 2022, 27, 2613-2633.	5.7	16
16	Anti-Ebola: an initiative to predict Ebola virus inhibitors through machine learning. <i>Molecular Diversity</i> , 2022, 26, 1635-1644.	3.9	6
17	Model-based ensembles: Lessons learned from retrospective analysis of COVID-19 infection forecasts across 10 countries. <i>Science of the Total Environment</i> , 2022, 806, 150639.	8.0	8
18	A smart intuitionistic fuzzy-based framework for round-robin short-term scheduler. <i>Journal of Supercomputing</i> , 2022, 78, 4655-4679.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Advanced process analytical tools for identification of adulterants in edible oils – A review. Food Chemistry, 2022, 369, 130898.	8.2	35
20	A reversible tuning of Fermi level in BiSbTe3 thin films through ion implantation. Materials Letters, 2022, 306, 130923.	2.6	3
21	Functional characterization of plant-based protein to determine its quality for food applications. Food Hydrocolloids, 2022, 123, 106986.	10.7	65
22	Secure video communication using firefly optimization and visual cryptography. Artificial Intelligence Review, 2022, 55, 2997-3017.	15.7	37
23	Organotin (IV) complexes derived from Schiff base 1,3-bis[(1E)-1-(2-hydroxyphenyl)ethylidene] thiourea: synthesis, spectral investigation and biological study to molecular docking. Journal of the Iranian Chemical Society, 2022, 19, 1923-1935.	2.2	3
24	Plant-based proteins and their multifaceted industrial applications. LWT - Food Science and Technology, 2022, 154, 112620.	5.2	93
25	Neoechinulins: Molecular, cellular, and functional attributes as promising therapeutics against cancer and other human diseases. Biomedicine and Pharmacotherapy, 2022, 145, 112378.	5.6	12
26	A review on instant controlled pressure drop technology – a strategic tool for extraction of bioactive compounds. International Journal of Food Science and Technology, 2022, 57, .	2.7	2
27	Synthesis, Spectral Investigations, Biological Potential and Molecular Docking Study of Novel Schiff Base and its Transition Metal Complexes. Anti-Infective Agents, 2022, 20, .	0.4	1
28	Mapping Phenological Functional Types (PhFT) in the Indian Eastern Himalayas using machine learning algorithm in Google Earth Engine. Computers and Geosciences, 2022, 158, 104982.	4.2	17
29	Advanced osmotic dehydration techniques combined with emerging drying methods for sustainable food production: Impact on bioactive components, texture, color, and sensory properties of food. Journal of Texture Studies, 2022, 53, 737-762.	2.5	44
30	Blockchain-based online education content ranking. Education and Information Technologies, 2022, 27, 4793-4815.	5.7	17
31	An effective in-gel assay protocol for the assessment of acid phosphatase (ACPase) isoform expression in the fungus Serendipita indica. 3 Biotech, 2022, 12, 40.	2.2	7
32	Onion (Allium cepa L.) peels: A review on bioactive compounds and biomedical activities. Biomedicine and Pharmacotherapy, 2022, 146, 112498.	5.6	78
33	Enhanced hydrogen sensing performances of PdO nanoparticles-decorated ZnO flower-like nanostructures. Journal of Alloys and Compounds, 2022, 900, 163545.	5.5	30
34	Citrinin Mycotoxin Contamination in Food and Feed: Impact on Agriculture, Human Health, and Detection and Management Strategies. Toxins, 2022, 14, 85.	3.4	36
35	Hyssopus Essential Oil: An Update of Its Phytochemistry, Biological Activities, and Safety Profile. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-10.	4.0	21
36	A Deep Learning Based Convolution Neural Network-DCNN Approach to Detect Brain Tumor. Advances in Intelligent Systems and Computing, 2022, , 115-127.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Recent developments in cold plasma-based enzyme activity (browning, cell wall degradation, and) 1958-1978. Tj ETQq1 1 0.784314 rgBT /Overlock	11.7	20
38	Assembling anisotropic colloids using curvature-mediated lipid sorting. <i>Soft Matter</i> , 2022, 18, 1757-1766.	2.7	3
39	Neurobiological Promises of the Bitter Diterpene Lactone Andrographolide. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-9.	4.0	15
40	Trichothecenes in food and feed: Occurrence, impact on human health and their detection and management strategies. <i>Toxicon</i> , 2022, 208, 62-77.	1.6	28
41	Endophytic fungus <i>Serendipita indica</i> reduces arsenic mobilization from root to fruit in colonized tomato plant. <i>Environmental Pollution</i> , 2022, 298, 118830.	7.5	14
42	Unraveling the promise and limitations of CRISPR/Cas system in natural product research: Approaches and challenges. <i>Biotechnology Journal</i> , 2022, 17, e2100507.	3.5	10
43	A Review of Recent Studies on the Antioxidant and Anti-Infectious Properties of Senna Plants. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-38.	4.0	28
44	Smart water management framework for irrigation in agriculture. <i>Environmental Technology (United)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	8
45	Indicator based assessment of food security in SAARC nations under the influence of climate change scenarios. <i>Future Foods</i> , 2022, 5, 100122.	5.4	13
46	Dioscin: A review on pharmacological properties and therapeutic values. <i>BioFactors</i> , 2022, 48, 22-55.	5.4	23
47	Computational resources for analysis of miRNA targetome. , 2022, , 125-139.		0
48	Synthesis, Characterization and Biological Screening of Novel Imidazolylpyrazole Scaffolds. <i>Asian Journal of Chemistry</i> , 2022, 34, 614-618.	0.3	0
49	Forecast of Phase Diagram for the Synthesis of a Complex for the Detection of Cr <sup>6+</sup> Ions. <i>ACS Omega</i> , 2022, 7, 7460-7471.	3.5	4
50	Smart IoT and Machine Learning-based Framework for Water Quality Assessment and Device Component Monitoring. <i>Environmental Science and Pollution Research</i> , 2022, 29, 46018-46036.	5.3	30
51	Recent Advances in Novel Packaging Technologies for Shelf-Life Extension of Guava Fruits for Retaining Health Benefits for Longer Duration. <i>Plants</i> , 2022, 11, 547.	3.5	14
52	Bismuth Oxide Extended-Gate Field-Effect Transistor as pH Sensor. <i>Journal of Electronic Materials</i> , 2022, 51, 2673-2681.	2.2	3
53	Sentiment Analysis of Statements on Social Media and Electronic Media Using Machine and Deep Learning Classifiers. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-18.	1.7	7
54	(Retracted) Secure framework against cyber attacks on cyber-physical robotic systems. <i>Journal of Electronic Imaging</i> , 2022, 31, .	0.9	10

#	ARTICLE	IF	CITATIONS
55	Mechanistic Insights of Plant Growth Promoting Bacteria Mediated Drought and Salt Stress Tolerance in Plants for Sustainable Agriculture. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3741.	4.1	71
56	Biosynthesis of Secondary Metabolites Based on the Regulation of MicroRNAs. <i>BioMed Research International</i> , 2022, 2022, 1-20.	1.9	20
57	Valorization Potential of Tomato ( <i>Solanum lycopersicum</i> L.) Seed: Nutraceutical Quality, Food Properties, Safety Aspects, and Application as a Health-Promoting Ingredient in Foods. <i>Horticulturae</i> , 2022, 8, 265.	2.8	23
58	Mercuric chloride-induced oxidative stress, genotoxicity, haematological changes and histopathological alterations in fish <i>Channa punctatus</i> ( <i>Channa punctatus</i> ) (Linnaeus, 1793). <i>Journal of Fish Biology</i> , 2022, 100, 868-883.	1.6	5
59	Self-Sovereign Identity Solution for Blockchain-Based Land Registry System: A Comparison. <i>Mobile Information Systems</i> , 2022, 2022, 1-17.	0.6	30
60	COVID-19 Risk Prediction for Diabetic Patients Using Fuzzy Inference System and Machine Learning Approaches. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-10.	1.9	24
61	Indicator-based vulnerability assessment of riparian zones in Nigeria's Ibadan region due to urban settlement pressure. <i>Environmental Challenges</i> , 2022, 7, 100501.	4.2	0
62	An integrative computational approach to predict stress-specific candidate and shared genes in multiple plant stresses. <i>Plant Gene</i> , 2022, 30, 100356.	2.3	1
63	A hybrid MCDM framework and simulation analysis for the assessment of worst polluted cities. <i>Simulation Modelling Practice and Theory</i> , 2022, 118, 102540.	3.8	19
64	Guava ( <i>Psidium guajava</i> L.) seed: A low-volume, high-value byproduct for human health and the food industry. <i>Food Chemistry</i> , 2022, 386, 132694.	8.2	20
65	Preparation of antioxidant-rich tricolor pasta using microwave processed orange pomace and cucumber peel powder: A study on nutraceutical, textural, color, and sensory attributes. <i>Journal of Texture Studies</i> , 2022, 53, 834-843.	2.5	12
66	Galangin: A metabolite that suppresses anti-neoplastic activities through modulation of oncogenic targets. <i>Experimental Biology and Medicine</i> , 2022, 247, 345-359.	2.4	7
67	MeQryEP: A Texture Based Descriptor for Biomedical Image Retrieval. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-20.	1.9	5
68	Protective role of AKBA against benzo(a)pyrene-induced lung carcinogenesis by modulating biotransformation enzymes and oxidative stress. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, , e23072.	3.0	0
69	Moringa ( <i>Moringa oleifera</i> Lam.) polysaccharides: Extraction, characterization, bioactivities, and industrial application. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 763-778.	7.5	40
70	Parametric Study of Twin Tunneling Effects on Piled Foundations in Stiff Clay: 3D Finite-Element Approach. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	3
71	An IoT and Machine Learning Based Intelligent System for the Classification of Therapeutic Plants. <i>Neural Processing Letters</i> , 2022, 54, 4465-4493.	3.2	15
72	Omega-3 Fatty Acids and Their Interaction with the Gut Microbiome in the Prevention and Amelioration of Type-2 Diabetes. <i>Nutrients</i> , 2022, 14, 1723.	4.1	12

#	ARTICLE	IF	CITATIONS
73	DSCN-net: a deep Siamese capsule neural network model for automatic diagnosis of malaria parasites detection. <i>Multimedia Tools and Applications</i> , 2022, 81, 34105-34127.	3.9	20
74	Apitherapy and Periodontal Disease: Insights into In Vitro, In Vivo, and Clinical Studies. <i>Antioxidants</i> , 2022, 11, 823.	5.1	8
75	Cottonseed feedstock as a source of plant-based protein and bioactive peptides: Evidence based on biofunctionalities and industrial applications. <i>Food Hydrocolloids</i> , 2022, 131, 107776.	10.7	13
76	Water generation from atmospheric air by using desiccant materials- nature-based solution “ a review. <i>World Journal of Engineering</i> , 2022, ahead-of-print, .	1.6	1
77	Betelvine ( <i>Piper betle</i> L.): A comprehensive insight into its ethnopharmacology, phytochemistry, and pharmacological, biomedical and therapeutic attributes. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 3083-3119.	3.6	26
78	Moringa oleifera Lam. seed proteins: Extraction, preparation of protein hydrolysates, bioactivities, functional food properties, and industrial application. <i>Food Hydrocolloids</i> , 2022, 131, 107791.	10.7	20
79	First-principles study of electronic, cohesive and elastic properties of silica polymorphs. <i>Materials Today Communications</i> , 2022, 31, 103607.	1.9	2
80	The Biological Effects of Polystyrene Nanoplastics on Human Peripheral Blood Lymphocytes. <i>Nanomaterials</i> , 2022, 12, 1632.	4.1	18
81	Optimization of the use of cellulolytic enzyme preparation for the extraction of health promoting anthocyanins from black carrot using response surface methodology. <i>LWT - Food Science and Technology</i> , 2022, 163, 113528.	5.2	9
82	Introducing Three New Fruit-Scented Mints to Farmlands: Insights on Drug Yield, Essential-Oil Quality, and Antioxidant Properties. <i>Antioxidants</i> , 2022, 11, 866.	5.1	11
83	Therapeutic uses of wild plant species used by rural inhabitants of Kangra in the western Himalayan region. <i>South African Journal of Botany</i> , 2022, 148, 415-436.	2.5	13
84	Nanosheets Based Approach to Elevate the Proliferative and Differentiation Efficacy of Human Wharton’s Jelly Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5816.	4.1	3
85	Assessment of Bioactive Compounds, Physicochemical Properties, and Microbial Attributes of Hot Air-Dried Mango Seed Kernel Powder: an Approach for Quality and Safety Evaluation of Hot Air-Dried Mango Seed Kernel Powder. <i>Food Analytical Methods</i> , 2022, 15, 2675-2690.	2.6	7
86	Diosgenin: An Updated Pharmacological Review and Therapeutic Perspectives. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	4.0	58
87	Nonequilibrium diagram technique and its application to study quantum electron transport in nanoelectronic devices. , 2022, , 207284.		1
88	Deoxynivalenol: An Overview on Occurrence, Chemistry, Biosynthesis, Health Effects and Its Detection, Management, and Control Strategies in Food and Feed. <i>Microbiology Research</i> , 2022, 13, 292-314.	1.9	18
89	Review of ML and AutoML Solutions to Forecast Time-Series Data. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 5297-5311.	10.2	35
90	A survey on ethnoveterinary medicines used by the tribal migratory shepherds of Northwestern Himalaya. <i>Journal of Ethnopharmacology</i> , 2022, 296, 115467.	4.1	3

#	ARTICLE	IF	CITATIONS
91	Inflammatory Bowel Disease Treatments and Predictive Biomarkers of Therapeutic Response. International Journal of Molecular Sciences, 2022, 23, 6966.	4.1	32
92	Computational Identification of Potential Multitarget Inhibitors of Nipah Virus by Molecular Docking and Molecular Dynamics. Microorganisms, 2022, 10, 1181.	3.6	14
93	Targeting non-structural proteins of Hepatitis C virus for predicting repurposed drugs using QSAR and machine learning approaches. Computational and Structural Biotechnology Journal, 2022, 20, 3422-3438.	4.1	5
94	Endofungal Rhizobium species enhance arsenic tolerance in colonized host plant under arsenic stress. Archives of Microbiology, 2022, 204, .	2.2	8
95	Carica papaya L. Leaves: Deciphering Its Antioxidant Bioactives, Biological Activities, Innovative Products, and Safety Aspects. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-20.	4.0	12
96	An enhanced energy-efficient fuzzy-based cognitive radio scheme for IoT. Neural Computing and Applications, 2022, 34, 19193-19215.	5.6	23
97	Benchmarking and Assessment of Eight <i>De Novo</i> Genome Assemblers on Viral Next-Generation Sequencing Data, Including the SARS-CoV-2. OMICS A Journal of Integrative Biology, 2022, 26, 372-381.	2.0	5
98	Effect of pre-existing diseases on COVID-19 infection and role of new sensors and biomaterials for its detection and treatment. Medical Devices & Sensors, 2021, 4, e10140.	2.7	5
99	A multinomial logistic model-based land use and land cover classification for the South Asian Association for Regional Cooperation nations using Moderate Resolution Imaging Spectroradiometer product. Environment, Development and Sustainability, 2021, 23, 6106-6127.	5.0	21
100	Ultrasound-assisted development of stable grapefruit peel polyphenolic nano-emulsion: Optimization and application in improving oxidative stability of mustard oil. Food Chemistry, 2021, 334, 127561.	8.2	60
101	Phytochemicals and biological studies on <i>Cycas revoluta</i> Thunb.: a review. Advances in Traditional Medicine, 2021, 21, 389-404.	2.0	5
102	A comparison of different metaheuristics for the quadratic assignment problem in accelerated systems. Applied Soft Computing Journal, 2021, 100, 106927.	7.2	11
103	Luminescent and structural behaviour of Tb <sup>3+</sup> ions doped TiO <sub>2</sub> nanoparticles synthesized by facile sol-gel method. Physica B: Condensed Matter, 2021, 602, 412465.	2.7	10
104	Extraction of ultra-low gossypol protein from cottonseed: Characterization based on antioxidant activity, structural morphology and functional group analysis. LWT - Food Science and Technology, 2021, 140, 110692.	5.2	31
105	Litchi ( <i>Litchi chinensis</i> ) seed: Nutritional profile, bioactivities, and its industrial applications. Trends in Food Science and Technology, 2021, 108, 58-70.	15.1	36
106	Path of Silibinin from diet to medicine: A dietary polyphenolic flavonoid having potential anti-cancer therapeutic significance. Seminars in Cancer Biology, 2021, 73, 196-218.	9.6	50
107	Application of constructed wetlands in degradation and detoxification of industrial effluents: challenges and prospects. , 2021, , 43-82.		2
108	Assessing Biodiversity and Productivity over a Small-scale Gradient in the Protected Forests of Indian Western Himalayas. Journal of Sustainable Forestry, 2021, 40, 675-694.	1.4	22

#	ARTICLE	IF	CITATIONS
109	Solid state fermentation of fenugreek ( <i>Trigonella foenum-graecum</i> ): implications on bioactive compounds, mineral content and in vitro bioavailability. <i>Journal of Food Science and Technology</i> , 2021, 58, 1927-1936.	2.8	15
110	Normative Baseline for Radiomics in Brain MRI : Evaluating the Robustness, Regional Variations, and Reproducibility on FLAIR Images. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 394-407.	3.4	9
111	Penetration testing framework for smart contract Blockchain. <i>Peer-to-Peer Networking and Applications</i> , 2021, 14, 2635-2650.	3.9	55
112	Image surface texture analysis and classification using deep learning. <i>Multimedia Tools and Applications</i> , 2021, 80, 1289-1309.	3.9	44
113	Effect of Different Modifications (Physical and Chemical) on Morphological, Pasting, and Rheological Properties of Black Rice ( <i>Oryza sativa</i> L. Indica) Starch: A Comparative Study. <i>Starch/Staerke</i> , 2021, 73, .	2.1	17
114	DrugRepV: a compendium of repurposed drugs and chemicals targeting epidemic and pandemic viruses. <i>Briefings in Bioinformatics</i> , 2021, 22, 1076-1084.	6.5	17
115	Chelating agent and substrate effect on hydrothermal growth of Yb <sup>3+</sup> /Er <sup>3+</sup> doped NaYf <sub>4</sub> film. <i>Processing and Application of Ceramics</i> , 2021, 15, 69-78.	0.8	4
116	Transgenic chickpea ( <i>Cicer arietinum</i> L.) harbouring AtDREB1a are physiologically better adapted to water deficit. <i>BMC Plant Biology</i> , 2021, 21, 39.	3.6	18
117	Prediction of repurposed drugs for Coronaviruses using artificial intelligence and machine learning. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3133-3148.	4.1	30
118	Fluorescent molecular probe-based activity and inhibition monitoring of histone deacetylases. <i>Chemical Communications</i> , 2021, 57, 11153-11164.	4.1	6
119	Futuristic Non-antibiotic Therapies to Combat Antibiotic Resistance: A Review. <i>Frontiers in Microbiology</i> , 2021, 12, 609459.	3.5	93
120	An integrated network analysis approach to identify potential key genes, transcription factors, and microRNAs regulating human hematopoietic stem cell aging. <i>Molecular Omics</i> , 2021, 17, 967-984.	2.8	2
121	Area-based speciation kinetic analysis of multipollutant removal in constructed wetlands to enhance the treatment efficiency. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1090-1102.	2.4	2
122	Antioxidant potential of family Cucurbitaceae with special emphasis on <i>Cucurbita</i> genus: A key to alleviate oxidative stress-mediated disorders. <i>Phytotherapy Research</i> , 2021, 35, 3533-3557.	5.8	14
123	Rice bran oil: An emerging source of functional oil. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15318.	2.0	13
124	Mango ( <i>Mangifera indica</i> L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Bioactivities. <i>Antioxidants</i> , 2021, 10, 299.	5.1	51
125	A Review on SAR Image and its Despeckling. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 4633-4653.	10.2	44
126	Naphthalimide Assemblies for Simultaneous Detection of Ferrous Ion and H <sub>2</sub> O <sub>2</sub> to Prevent Fenton Reaction. <i>ChemistrySelect</i> , 2021, 6, 1692-1698.	1.5	5



#	ARTICLE	IF	CITATIONS
127	Two-dimensional halide perovskite single crystals: principles and promises. <i>Emergent Materials</i> , 2021, 4, 865-880.	5.7	14
128	Agroforestry to Achieve Global Climate Adaptation and Mitigation Targets: Are South Asian Countries Sufficiently Prepared?. <i>Forests</i> , 2021, 12, 303.	2.1	43
129	Analytical approximations of single-electron device current through non-interacting quantum dot. <i>Superlattices and Microstructures</i> , 2021, 151, 106819.	3.1	3
130	Color removal from model dye effluent using PVA-GA hydrogel beads. <i>Journal of Environmental Management</i> , 2021, 281, 111797.	7.8	15
131	Chemical Composition and Anti-microbial Activity of Essential Oil from Aerial parts of <i>Origanum vulgare</i> L. from North-Western Himalayas. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2021, 24, 177-185.	1.9	4
132	Identification of copy-move and splicing based forgeries using advanced SURF and revised template matching. <i>Multimedia Tools and Applications</i> , 2021, 80, 23877.	3.9	27
133	Phytotherapy and food applications from <i>Brassica</i> genus. <i>Phytotherapy Research</i> , 2021, 35, 3590-3609.	5.8	23
134	A bio-inspired privacy-preserving framework for healthcare systems. <i>Journal of Supercomputing</i> , 2021, 77, 11099-11134.	3.6	30
135	CGP: Cluster-based gossip protocol for dynamic resource environment in cloud. <i>Simulation Modelling Practice and Theory</i> , 2021, 108, 102275.	3.8	20
136	Custard Apple ( <i>Annona squamosa</i> L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Biological Activities. <i>Biomolecules</i> , 2021, 11, 614.	4.0	38
137	Cloud and IoT based smart architecture for desalination water treatment. <i>Environmental Research</i> , 2021, 195, 110812.	7.5	32
138	Cottonseed Kernel Powder as a Natural Health Supplement: An Approach to Reduce the Gossypol Content and Maximize the Nutritional Benefits. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3901.	2.5	14
139	Guava ( <i>Psidium guajava</i> L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Bioactivities. <i>Foods</i> , 2021, 10, 752.	4.3	92
140	Highlighting the compound risk of COVID-19 and environmental pollutants using geospatial technology. <i>Scientific Reports</i> , 2021, 11, 8363.	3.3	11
141	Abundance and Diversity of Phages, Microbial Taxa, and Antibiotic Resistance Genes in the Sediments of the River Ganges Through Metagenomic Approach. <i>Microbial Drug Resistance</i> , 2021, 27, 1336-1354.	2.0	11
142	<i>Salvadora persica</i> : Nature's Gift for Periodontal Health. <i>Antioxidants</i> , 2021, 10, 712.	5.1	19
143	Deguelin targets multiple oncogenic signaling pathways to combat human malignancies. <i>Pharmacological Research</i> , 2021, 166, 105487.	7.1	18
144	Deep Learning Based Approach to Classify Saline Particles in Sea Water. <i>Water (Switzerland)</i> , 2021, 13, 1251.	2.7	25

#	ARTICLE	IF	CITATIONS
145	Modeling and simulation of urban air quality with a 2-phase assessment technique. Simulation Modelling Practice and Theory, 2021, 109, 102281.	3.8	14
146	Pearl millet grain as an emerging source of starch: A review on its structure, physicochemical properties, functionalization, and industrial applications. Carbohydrate Polymers, 2021, 260, 117776.	10.2	50
147	COVID-19 Infection during Pregnancy: Risk of Vertical Transmission, Fetal, and Neonatal Outcomes. Journal of Personalized Medicine, 2021, 11, 483.	2.5	24
148	ETHâ€LEACH: An energy enhanced threshold routing protocol for WSNs. International Journal of Communication Systems, 2021, 34, e4881.	2.5	24
149	Cottonseed: A sustainable contributor to global protein requirements. Trends in Food Science and Technology, 2021, 111, 100-113.	15.1	70
150	Rice Bran Oil: Emerging Trends in Extraction, Health Benefit, and Its Industrial Application. Rice Science, 2021, 28, 217-232.	3.9	63
151	Biopolishing of Cellulosic Fabrics: A Study on Low-Stress Mechanical Properties, Microstructure, and Dye Uptake. Fibers and Polymers, 2021, 22, 2803-2814.	2.1	5
152	Evaluation of Filter, Paramagnetic, and STAGETips Aided Workflows for Proteome Profiling of Symbiodiniaceae Dinoflagellate. Processes, 2021, 9, 983.	2.8	6
153	Calligonum polygonoides L. as Novel Source of Bioactive Compounds in Hot Arid Regions: Evaluation of Phytochemical Composition and Antioxidant Activity. Plants, 2021, 10, 1156.	3.5	10
154	Nutritional and Phytochemical Traits of Apricots (Prunus Armeniaca L.) for Application in Nutraceutical and Health Industry. Foods, 2021, 10, 1344.	4.3	20
155	Glucose- regulated protein 78 (GRP78) in renal cell carcinoma: A novel biomarker for predicting tumor behavior. Heliyon, 2021, 7, e07300.	3.2	6
156	Heliotropium indicum L.: From Farm to a Source of Bioactive Compounds with Therapeutic Activity. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-21.	1.2	15
157	Beneficial Role of Antioxidant Secondary Metabolites from Medicinal Plants in Maintaining Oral Health. Antioxidants, 2021, 10, 1061.	5.1	50
158	The Therapeutic Potential of Wogonin Observed in Preclinical Studies. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-9.	1.2	30
159	All-Solid-State Li-Ion Batteries Using a Combination of Sb<sub>2</sub>S<sub>3</sub>/Li<sub>2</sub>S-P<sub>2</sub>S<sub>5</sub>/Acetylene Black as the Electrode Composite and LiBH<sub>4</sub> as the Electrolyte. ACS Applied Energy Materials, 2021, 4, 6269-6276.	5.1	5
160	A Pharmacological Perspective on Plant-derived Bioactive Molecules for Epilepsy. Neurochemical Research, 2021, 46, 2205-2225.	3.3	42
161	Peganum spp.: A Comprehensive Review on Bioactivities and Health-Enhancing Effects and Their Potential for the Formulation of Functional Foods and Pharmaceutical Drugs. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-20.	4.0	13
162	Green Synthesis, Characterization and Antimicrobial activity of Silver Nanoparticles from the Extract of Lagerstroemia speciosa. Oriental Journal of Chemistry, 2021, 37, 648-655.	0.3	1

#	ARTICLE	IF	CITATIONS
163	Analysis of aging-related protein interactome and cross-network module comparisons across tissues provide new insights into aging. <i>Computational Biology and Chemistry</i> , 2021, 92, 107506.	2.3	1
164	Advances in the plant protein extraction: Mechanism and recommendations. <i>Food Hydrocolloids</i> , 2021, 115, 106595.	10.7	173
165	FnCas9-based CRISPR diagnostic for rapid and accurate detection of major SARS-CoV-2 variants on a paper strip. <i>ELife</i> , 2021, 10, .	6.0	53
166	Mango seed starch: A sustainable and eco-friendly alternative to increasing industrial requirements. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1807-1817.	7.5	21
167	Glycyrrhiza Genus: Enlightening Phytochemical Components for Pharmacological and Health-Promoting Abilities. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-20.	4.0	35
168	Evaluation of Nutritional, Phytochemical, and Mineral Composition of Selected Medicinal Plants for Therapeutic Uses from Cold Desert of Western Himalaya. <i>Plants</i> , 2021, 10, 1429.	3.5	40
169	Performance Analysis of Machine Learning Algorithms for Big Data Classification. <i>International Journal of E-Health and Medical Communications</i> , 2021, 12, 60-75.	1.6	39
170	Bacterial volatile mediated suppression of postharvest anthracnose and quality enhancement in mango. <i>Postharvest Biology and Technology</i> , 2021, 177, 111525.	6.0	16
171	Nonequilibrium green function technique for analyzing electron transport through single and two levels of interacting quantum dot. <i>Physica Scripta</i> , 2021, 96, 125802.	2.5	1
172	Wonder or evil?: Multifaceted health hazards and health benefits of Cannabis sativa and its phytochemicals. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7290-7313.	3.8	24
173	Plant-Based Antioxidant Extracts and Compounds in the Management of Oral Cancer. <i>Antioxidants</i> , 2021, 10, 1358.	5.1	26
174	Metabolomics and Molecular Approaches Reveal Drought Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9108.	4.1	89
175	Novel azoles with potent antileishmanial activity. <i>Future Microbiology</i> , 2021, 16, 871-877.	2.0	1
176	Recent trends in extraction of plant bioactives using green technologies: A review. <i>Food Chemistry</i> , 2021, 353, 129431.	8.2	92
177	Energy-efficient blockchain implementation for Cognitive Wireless Communication Networks (CWCNs). <i>Energy Reports</i> , 2021, 7, 8277-8286.	5.1	28
178	Ethnomedicinal Use, Phytochemistry, and Pharmacology of <i>Xylocarpus granatum</i> J. Koenig. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-16.	1.2	10
179	Effects of nerol on paracetamol-induced liver damage in Wistar albino rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111732.	5.6	23
180	Paving Plant-Food-Derived Bioactives as Effective Therapeutic Agents in Autism Spectrum Disorder. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	4.0	5

#	ARTICLE	IF	CITATIONS
181	Transcription Factors as Zinc Sensors in Plants. Trends in Plant Science, 2021, 26, 761-763.	8.8	1
182	Phenolic Bioactives as Antiplatelet Aggregation Factors: The Pivotal Ingredients in Maintaining Cardiovascular Health. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	4.0	11
183	Palladium-oxide Extended Gate Field Effect Transistor as pH Sensor. Materials Letters: X, 2021, 12, 100102.	0.7	2
184	Effect of Cross-Linking Modification on Structural and Film-Forming Characteristics of Pearl Millet (Pennisetum glaucum L.) Starch. Coatings, 2021, 11, 1163.	2.6	9
185	Computational identification of repurposed drugs against viruses causing epidemics and pandemics via drug-target network analysis. Computers in Biology and Medicine, 2021, 136, 104677.	7.0	8
186	Process Parameter Optimization and Characterization for an Edible Film: Flaxseed Concern. Coatings, 2021, 11, 1106.	2.6	5
187	Green Synthesis, Characterization and Antimicrobial Activities of Copper Nanoparticles from the Rhizomes Extract of Picrorhiza kurroa. Pharmaceutical Nanotechnology, 2021, 9, 298-306.	1.5	4
188	Development of NIR spectroscopy based prediction models for nutritional profiling of pearl millet (Pennisetum glaucum (L.)) R.Br: A chemometrics approach. LWT - Food Science and Technology, 2021, 149, 111813.	5.2	13
189	Therapeutic Potential of Isoflavones with an Emphasis on Daidzein. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	4.0	68
190	Cyperus spp.: A Review on Phytochemical Composition, Biological Activity, and Health-Promoting Effects. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-17.	4.0	21
191	Functionality and Applicability of Starch-Based Films: An Eco-Friendly Approach. Foods, 2021, 10, 2181.	4.3	49
192	Paving Luteolin Therapeutic Potentialities and Agro-Food-Pharma Applications: Emphasis on In Vivo Pharmacological Effects and Bioavailability Traits. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-20.	4.0	29
193	The Phenolic Compounds Profile and Cosmeceutical Significance of Two Kazakh Species of Onions: Alliumgalanthum and A. turkestanicum. Molecules, 2021, 26, 5491.	3.8	10
194	Nano-Derived Therapeutic Formulations with Curcumin in Inflammation-Related Diseases. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	4.0	37
195	Natural Antimicrobials as Additives for Edible Food Packaging Applications: A Review. Foods, 2021, 10, 2282.	4.3	40
196	Therapeutic Uses of Wild Plants by Rural Inhabitants of Maraog Region in District Shimla, Himachal Pradesh, India. Horticulturae, 2021, 7, 343.	2.8	17
197	Ethnomedicinal Plants Used in the Health Care System: Survey of the Mid Hills of Solan District, Himachal Pradesh, India. Plants, 2021, 10, 1842.	3.5	22
198	Tomato (Solanum lycopersicum L.) seed: A review on bioactives and biomedical activities. Biomedicine and Pharmacotherapy, 2021, 142, 112018.	5.6	52

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------

199	Nutritional composition patterns and application of multivariate analysis to evaluate indigenous		
-----	--	--	--

#	ARTICLE	IF	CITATIONS
217	Intelligent Detection of the PV Faults Based on Artificial Neural Network and Type 2 Fuzzy Systems. <i>Energies</i> , 2021, 14, 6584.	3.1	46
218	Citrus Genus and Its Waste Utilization: A Review on Health-Promoting Activities and Industrial Application. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-17.	1.2	50
219	Editorial: Biotechnology for Arsenic Detection and Bioremediation. <i>Frontiers in Microbiology</i> , 2021, 12, 743109.	3.5	4
220	Structural and Morphological Modifications Induced by Fe Ion Implantation in Sb <sub>2</sub> Te <sub>3</sub> Thin Films. <i>Macromolecular Symposia</i> , 2021, 399, 2100079.	0.7	3
221	Optimization of T-DNA configuration with UBIQUITIN10 promoters and tRNA <sup>sgRNA</sup> complexes promotes highly efficient genome editing in allotetraploid tobacco. <i>Plant Cell Reports</i> , 2021, , 1.	5.6	12
222	Molecular mechanisms underlying chemopreventive potential of butein: Current trends and future perspectives. <i>Chemico-Biological Interactions</i> , 2021, 350, 109699.	4.0	16
223	Plants Metabolome Study: Emerging Tools and Techniques. <i>Plants</i> , 2021, 10, 2409.	3.5	42
224	Recent developments in applications of lactic acid bacteria against mycotoxin production and fungal contamination. <i>Food Bioscience</i> , 2021, 44, 101444.	4.4	34
225	Mapping of Agriculture Productivity Variability for the SAARC Nations in Response to Climate Change Scenario for the Year 2050. , 2021, , 249-262.		1
226	An Insight into Phytochemical, Pharmacological, and Nutritional Properties of <i>Arbutus unedo</i> L. from Morocco. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-19.	1.2	3
227	Green Synthesis of Iron Nanoparticles from Spinach Leaf and Banana Peel Aqueous Extracts and Evaluation of Antibacterial Potential. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-11.	2.7	13
228	Garlic ( <i>Allium sativum</i> L.) Bioactives and Its Role in Alleviating Oral Pathologies. <i>Antioxidants</i> , 2021, 10, 1847.	5.1	40
229	Lycopene: Food Sources, Biological Activities, and Human Health Benefits. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-10.	4.0	81
230	Long-Term Impact of Transhumance Pastoralism and Associated Disturbances in High-Altitude Forests of Indian Western Himalaya. <i>Sustainability</i> , 2021, 13, 12497.	3.2	16
231	Plant-Growth-Promoting Rhizobacteria Emerging as an Effective Bioinoculant to Improve the Growth, Production, and Stress Tolerance of Vegetable Crops. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12245.	4.1	39
232	Tuning of fermi level in antimony telluride thin films by low-energy Fe <sup>3+</sup> -ion implantation. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	31
233	Synthesis, Characterization and Antimicrobial Screening of Some Organotin Complexes Derived from Salicyl Hydrazide Schiff Bases. <i>Asian Journal of Chemistry</i> , 2021, 33, 2977-2981.	0.3	0
234	Synthesis of Silver and Gold Nanoparticles: Chemical and Green Synthesis Method and Its Toxicity Evaluation against Pathogenic Bacteria Using the ToxTrak Test. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-12.	2.7	10

#	ARTICLE	IF	CITATIONS
235	Anti-Inflammatory and Anticancer Properties of Birch Bark-Derived Betulin: Recent Developments. <i>Plants</i> , 2021, 10, 2663.	3.5	27
236	Chemical Composition, Biological Activity, and Health-Promoting Effects of <i>Withania somnifera</i> for Pharma-Food Industry Applications. <i>Journal of Food Quality</i> , 2021, 2021, 1-14.	2.6	13
237	Symptoms Based Disease Diagnosis and Treatment Recommendation. , 2021, , .		2
238	Black Carrot ( <i>Daucus carota</i> ssp.) and Black Soybean ( <i>Glycine max</i> (L.) Merr.) Anthocyanin Extract: A Remedy to Enhance Stability and Functionality of Fruit Juices by Copigmentation. <i>Waste and Biomass Valorization</i> , 2020, 11, 99-108.	3.4	15
239	Impact of Si and Mg on Microstructural and Magnetic Behavior of Fe-Co-Ni (Mg-Si) <sub>x</sub> (x=0.00,0.1,0.2) Multicomponent Alloys. <i>Silicon</i> , 2020, 12, 893-902.	3.3	7
240	Active block copolymer layer on carboxyl-functionalized PET film for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18676-18684.	7.1	9
241	The destabilization of LiBH <sub>4</sub> through the addition of Bi <sub>2</sub> Se <sub>3</sub> nanosheets. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 23947-23953.	7.1	11
242	Hydrogen ion sensing characteristics of Na <sub>3</sub> BiO <sub>4</sub> –Bi <sub>2</sub> O <sub>3</sub> mixed oxide nanostructures based EGFET pH sensor. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18743-18751.	7.1	31
243	Mapping socio-environmental vulnerability to climate change in different altitude zones in the Indian Himalayas. <i>Ecological Indicators</i> , 2020, 109, 105787.	6.3	93
244	Forest working plan for the sustainable management of forest and biodiversity in India. <i>Journal of Sustainable Forestry</i> , 2020, 39, 1-22.	1.4	27
245	Nanostructured Bi <sub>2</sub> Te <sub>3</sub> as anode material as well as a destabilizing agent for LiBH <sub>4</sub> . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16992-16999.	7.1	16
246	Assessing forest cover vulnerability in Uttarakhand, India using analytical hierarchy process. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 821-831.	3.4	48
247	Theoretical partial ionization cross sections by electron impact for production of cations from CH <sub>3</sub> OH, CO <sub>2</sub> and NH <sub>3</sub> . <i>Chemical Physics Letters</i> , 2020, 740, 137071.	2.6	7
248	Suppressing recombination in perovskite solar cells via surface engineering of TiO <sub>2</sub> ETL. <i>Solar Energy</i> , 2020, 197, 50-57.	6.1	53
249	Identifying potential entry inhibitors for emerging Nipah virus by molecular docking and chemical-protein interaction network. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 5108-5125.	3.5	15
250	Green route synthesized upconverting (NaYF <sub>4</sub> : Yb <sup>3+</sup> , Tm <sup>3+</sup> )nanophosphors and its photophysical and magnetic Properties. <i>Journal of Luminescence</i> , 2020, 228, 117654.	3.1	3
251	Landslide data analysis using various time-series forecasting models. <i>Computers and Electrical Engineering</i> , 2020, 88, 106858.	4.8	37
252	Emerging trends in pectin extraction and its anti-microbial functionalization using natural bioactives for application in food packaging. <i>Trends in Food Science and Technology</i> , 2020, 105, 223-237.	15.1	72

#	ARTICLE	IF	CITATIONS
253	Installation of a bioelectrochemical system as a pre-cleaner in a constructed wetland with higher pollutant loading under continuous mode. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3326-3340.	2.4	2
254	Investigating the effect of quantized confining energy on the quantum coulomb blockade phenomena in single-electron transistor. <i>Solid State Communications</i> , 2020, 322, 114078.	1.9	5
255	Evaluation of Cellulolytic Enzyme-Assisted Microwave Extraction of Punica granatum Peel Phenolics and Antioxidant Activity. <i>Plant Foods for Human Nutrition</i> , 2020, 75, 614-620.	3.2	20
256	A photocatalytic ensemble HP-T@Au-Fe <sub>3</sub> O <sub>4</sub> : synergistic and balanced operation in Kumada and Heck coupling reactions. <i>Green Chemistry</i> , 2020, 22, 8036-8045.	9.0	10
257	HPVomics: An integrated resource for the human papillomavirus epitome and therapeutics. <i>Genomics</i> , 2020, 112, 4853-4862.	2.9	1
258	Fabrication of polyvinyl alcohol/chitosan oligosaccharide hydrogel: physicochemical characterizations and <i>in vitro</i> drug release study. <i>International Journal of Polymer Analysis and Characterization</i> , 2020, 25, 353-361.	1.9	11
259	Reversible detection of hypochlorite using the deprotonation-protonation strategy: a search for new building blocks. <i>Materials Advances</i> , 2020, 1, 1347-1353.	5.4	4
260	Synthesis and Spectral Studies of 4,4'-((Hydrazine-1,2-diylidenedimethylidene)-bis-(2-methoxyphenol) and Its Transition Metal Complexes with Promising Biological Activities. <i>Asian Journal of Chemistry</i> , 2020, 32, 1768-1772.	0.3	2
261	Modelling habitat suitability of western tragopan ( <i>Tragopan melanocephalus</i> ) a range-restricted vulnerable bird species of the Himalayan region, in response to climate change. <i>Climate Risk Management</i> , 2020, 29, 100241.	3.2	20
262	Global CNS correction in a large brain model of human alpha-mannosidosis by intravascular gene therapy. <i>Brain</i> , 2020, 143, 2058-2072.	7.6	14
263	Development of ultrasensitive and As(III)-selective upconverting (NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> ) platform. <i>Analyst</i> , The, 2020, 145, 6378-6387.	3.5	5
264	Enhancing the functionality of chitosan- and alginate-based active edible coatings/films for the preservation of fruits and vegetables: A review. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 304-320.	7.5	172
265	Enhancing Salt Tolerance of Plants: From Metabolic Reprogramming to Exogenous Chemical Treatments and Molecular Approaches. <i>Cells</i> , 2020, 9, 2492.	4.1	68
266	Assessment of genetic gain and its simulation for performance traits in Sahiwal cattle. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2020, 44, 879-885.	0.5	4
267	Baicalein: A metabolite with promising antineoplastic activity. <i>Life Sciences</i> , 2020, 259, 118183.	4.3	50
268	Effect of shortening substitution with olive ( <i>Olea europaea</i> ) oil on textural properties, sensorial characteristics, and fatty acid composition of muffins. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14839.	2.0	2
269	An indicator based approach for assessing the vulnerability of riparian ecosystem under the influence of urbanization in the Indian Himalayan city, Dehradun. <i>Ecological Indicators</i> , 2020, 119, 106796.	6.3	31
270	Destabilization of LiBH <sub>4</sub> by the infusion of Bi <sub>2</sub> X <sub>3</sub> (X = S, Se, Te): an <i>in situ</i> TEM investigation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25706-25715.	10.3	7



#	ARTICLE	IF	CITATIONS
271	Implementation of Bismuth Chalcogenides as an Efficient Anode: A Journey from Conventional Liquid Electrolyte to an All-Solid-State Li-Ion Battery. <i>Molecules</i> , 2020, 25, 3733.	3.8	22
272	CoronaVR: A Computational Resource and Analysis of Epitopes and Therapeutics for Severe Acute Respiratory Syndrome Coronavirus-2. <i>Frontiers in Microbiology</i> , 2020, 11, 1858.	3.5	23
273	Influence of Oxidation Degree of Graphene Oxide on Its Nuclear Relaxivity and Contrast in MRI. <i>ACS Omega</i> , 2020, 5, 22131-22139.	3.5	8
274	Environmental Endocrine-Disrupting Chemical Exposure: Role in Non-Communicable Diseases. <i>Frontiers in Public Health</i> , 2020, 8, 553850.	2.7	158
275	COVID-19 Pandemic: from Molecular Biology, Pathogenesis, Detection, and Treatment to Global Societal Impact. <i>Current Pharmacology Reports</i> , 2020, 6, 212-227.	3.0	31
276	Advances in coordination chemistry of hexaurea complexes of chromium(III). <i>Journal of Coordination Chemistry</i> , 2020, 73, 2801-2837.	2.2	9
277	Synthesis of biocompatible, BSA capped fluorescent $\text{CaCO}_3$ pre-nucleation nanoclusters for cell imaging applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5729-5744.	5.8	18
278	Reducing ion migration in methylammonium lead tri-bromide single crystal via lead sulfate passivation. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	46
279	Object based learning using multi-dimensional games. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2020, 23, 509-524.	0.8	3
280	A DE-ANN Inspired Skin Cancer Detection Approach Using Fuzzy C-Means Clustering. <i>Mobile Networks and Applications</i> , 2020, 25, 1319-1329.	3.3	94
281	Capturing-the-Invisible (CTI): Behavior-Based Attacks Recognition in IoT-Oriented Industrial Control Systems. <i>IEEE Access</i> , 2020, 8, 104956-104966.	4.2	33
282	Garcinol Exhibits Anti-Neoplastic Effects by Targeting Diverse Oncogenic Factors in Tumor Cells. <i>Biomedicines</i> , 2020, 8, 103.	3.2	44
283	Development of luminescent atacamite nanoclusters for bioimaging and photothermal applications. <i>Nanotechnology</i> , 2020, 31, 265102.	2.6	6
284	Modelling Agriculture, Forestry and Other Land Use (AFOLU) in response to climate change scenarios for the SAARC nations. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 236.	2.7	40
285	Microstructure and Mechanical Properties of Nano $\text{Y}_2\text{O}_3$ and $\text{ZrO}_2$ Dispersed Austenite Steel. <i>Materials Today: Proceedings</i> , 2020, 21, 1793-1799.	1.8	0
286	NipahVR: a resource of multi-targeted putative therapeutics and epitopes for the Nipah virus. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .	3.0	9
287	Auto-Tuning Spectral Clustering for Speaker Diarization Using Normalized Maximum Eigengap. <i>IEEE Signal Processing Letters</i> , 2020, 27, 381-385.	3.6	48
288	Growth and structural characterization of $\text{BiSbTe}_3$ - $\text{ySe}_y$ single crystals. <i>Materials Today: Proceedings</i> , 2020, 31, 622-624.	1.8	2

#	ARTICLE	IF	CITATIONS
289	Sewage water treatment with energy recovery using constructed wetlands integrated with a bioelectrochemical system. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 795-808.	2.4	19
290	Effect of isovalent substitution on the structural and electrical properties of Bi <sub>x</sub> Sb <sub>2-x</sub> Te <sub>3</sub> topological insulator single crystals. <i>Materials Today: Proceedings</i> , 2020, 31, 616-621.	1.8	5
291	Assessing adaptation and mitigation potential of roadside trees under the influence of vehicular emissions: A case study of <i>Grevillea robusta</i> and <i>Mangifera indica</i> planted in an urban city of India. <i>PLoS ONE</i> , 2020, 15, e0227380.	2.5	40
292	I-AREOR: An energy-balanced clustering protocol for implementing green IoT in smart cities. <i>Sustainable Cities and Society</i> , 2020, 61, 102254.	10.4	75
293	Genome-wide identification and biochemical characterization of calcineurin B-like calcium sensor proteins in <i>Chlamydomonas reinhardtii</i> . <i>Biochemical Journal</i> , 2020, 477, 1879-1892.	3.7	5
294	Annual Performance Evaluation of Evacuated Tube Solar Air Collector With Phase Change Material. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2020, 142, .	1.8	13
295	Hepatoprotective activity of <i>Cuscuta reflexa</i> aqueous and alcoholic extracts against CCl <sub>4</sub> induced toxicity in rats. <i>Balneo Research Journal</i> , 2020, , 463-466.	0.4	2
296	Phenolics as Plant Protective Companion Against Abiotic Stress. , 2020, , 277-308.		13
297	Phenolics: A Key Defence Secondary Metabolite to Counter Biotic Stress. , 2020, , 309-329.		28
298	Bioavailability and Nutritional Analysis of Flavonoids. , 2020, , 135-156.		3
299	Efficacy of Anti-Biofilm Agents in Targeting ESKAPE Pathogens with a Focus on Antibiotic Drug Resistance. <i>ACS Symposium Series</i> , 2020, , 177-199.	0.5	3
300	Agroforestry as a Nature-Based Solution for Reducing Community Dependence on Forests to Safeguard Forests in Rainfed Areas of India. <i>Disaster Resilience and Green Growth</i> , 2020, , 289-306.	0.2	8
301	Electro-analytical comparison of commercial mono-crystalline silicon and PERC solar cells to maximize performance. <i>Engineering Research Express</i> , 2020, 2, 045018.	1.6	1
302	Impact of Mushroom <i>Pleurotus tuber-regium</i> (Rumph. ex) Fr. Extract on Lipid Profile and Testosterone of Rat. <i>Turkish Journal of Agriculture: Food Science and Technology</i> , 2020, 8, 2268-2276.	0.3	1
303	Non-Random Distribution and Ecophysiological Differentiation of <i>Pyropia</i> Species (Bangiales.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 101</i>	2.3	5
304	The Electron Impact Ionization Cross Sections of Methanol, Ethanol and 1-Propanol. <i>Atoms</i> , 2019, 7, 60.	1.6	5
305	Total ionization cross sections by electron impact of CF <sub>x</sub> (x = 1, 2, 3) and NF <sub>x</sub> (x = 1, 2, 3). <i>Chemical Physics Letters</i> , 2019, 731, 136571.	2.6	1
306	Morphology-dependent structural and optical properties of ZnO nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	51

#	ARTICLE	IF	CITATIONS
307	Chemical Composition and Antimicrobial Properties of Essential Oil <i>Anaphalis triplinervis</i> from Western Himalaya. <i>Chemistry of Natural Compounds</i> , 2019, 55, 751-753.	0.8	4
308	Polyvinyl alcohol/chitosan lactate composite hydrogel for controlled drug delivery. <i>Materials Research Express</i> , 2019, 6, 115408.	1.6	17
309	Valorisation of black carrot pomace: microwave assisted extraction of bioactive phytochemicals and antioxidant activity using Box-Behnken design. <i>Journal of Food Science and Technology</i> , 2019, 56, 995-1007.	2.8	58
310	Synthesis and Spectral Investigations of Polymeric Hydrazone Schiff Base and its Transition Metal Complexes with Promising Antimicrobial, Anti-Angiogenic and DNA Photo-Cleavage Activities. <i>Asian Journal of Chemistry</i> , 2019, 31, 2331-2336.	0.3	1
311	Ferrocenyl Substituted Pyrazoles, Synthesis via novel route, Spectral Investigations and Their Biological Studies. <i>Oriental Journal of Chemistry</i> , 2019, 35, 863-869.	0.3	1
312	Image Forensics Based on Lighting Estimation. <i>International Journal of Image and Graphics</i> , 2019, 19, 1950014.	1.5	13
313	Elevated CO <sub>2</sub> improves both lipid accumulation and growth rate in the glucose-6-phosphate dehydrogenase engineered <i>Phaeodactylum tricornutum</i> . <i>Microbial Cell Factories</i> , 2019, 18, 161.	4.0	35
314	Imaging of lysosomal activity using naphthalimide-benzimidazole based fluorescent probe in living cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 451-459.	7.8	13
315	Evaluation of enzyme and microwave-assisted conditions on extraction of anthocyanins and total phenolics from black soybean ( <i>Glycine max</i> L.) seed coat. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1070-1081.	7.5	41
316	Visible light promoted PANI@Au:CuO catalyzed sequential amination, azidation and annulation for the preparation of 2-arylbenzimidazoles. <i>Green Chemistry</i> , 2019, 21, 3666-3674.	9.0	11
317	Development and characterization of rGO supported CdS MoS <sub>2</sub> photoelectrochemical catalyst for splitting water by visible light. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16176-16189.	7.1	16
318	A non-linear ductile damage growth law at elevated temperature. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	1.3	0
319	Transcriptome Sequencing of Chickpea ( <i>Cicer arietinum</i> L.) Genotypes for Identification of Drought-Responsive Genes Under Drought Stress Condition. <i>Plant Molecular Biology Reporter</i> , 2019, 37, 186-203.	1.8	37
320	Fisetin and Quercetin: Promising Flavonoids with Chemopreventive Potential. <i>Biomolecules</i> , 2019, 9, 174.	4.0	167
321	PhenoPine: A simulation model to trace the phenological changes in <i>Pinus roxburghii</i> in response to ambient temperature rise. <i>Ecological Modelling</i> , 2019, 404, 12-20.	2.5	22
322	Comparative evaluation of cerebral gliomas using rCBV measurements during sequential acquisition of T1-perfusion and T2*-perfusion MRI. <i>PLoS ONE</i> , 2019, 14, e0215400.	2.5	13
323	Highly efficient & stable Bi & Sb anodes using lithium borohydride as solid electrolyte in Li-ion batteries. <i>RSC Advances</i> , 2019, 9, 13077-13081.	3.6	20
324	Potential of the fluoroketolide RBx14255 against <i>Streptococcus pneumoniae</i> , <i>Neisseria meningitidis</i> and <i>Haemophilus influenzae</i> in an experimental murine meningitis model. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1962-1970.	3.0	6

#	ARTICLE	IF	CITATIONS
325	Assessment of pollutant removal processes and kinetic modelling in vertical flow constructed wetlands at elevated pollutant loading. <i>Environmental Science and Pollution Research</i> , 2019, 26, 18421-18433.	5.3	17
326	Gas sensing properties of ZnO nanostructures (flowers/rods) synthesized by hydrothermal method. <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 24-31.	7.8	211
327	Synthesis, Characterization and DFT Studies of Some Co(II) and Cu(II) Complexes of 12-Membered Tetradentate [N4] Macrocyclic Schiff Base Derived from 9,10-Phenanthrenequinone. <i>Asian Journal of Chemistry</i> , 2019, 31, 943-950.	0.3	4
328	An insight into the mechanism of antifungal activity of biogenic nanoparticles than their chemical counterparts. <i>Pesticide Biochemistry and Physiology</i> , 2019, 157, 45-52.	3.6	77
329	Fungal mediated biotransformation reduces toxicity of arsenic to soil dwelling microorganism and plant. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 108-118.	6.0	35
330	CdS supported on electrochemically reduced rGO for photo reduction of water to hydrogen. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10573-10584.	7.1	18
331	Synthesis, Characterization and Biological Studies of Novel Schiff Base viz. Bis-1,1'-(pyridine-2,6-diyl-dieth-1-yl-1-ylidene) biguanidine and Their Transition Metal Complexes. <i>Asian Journal of Chemistry</i> , 2019, 31, 799-804.	0.3	6
332	Metal nanoparticles embedded in AIEE active supramolecular assemblies: robust, green and reusable nanocatalysts. <i>Dalton Transactions</i> , 2019, 48, 4769-4773.	3.3	7
333	Overexpression of Chickpea Defensin Gene Confers Tolerance to Water-Deficit Stress in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 290.	3.6	22
334	Modelling of wear debris in planetary gear drive. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 199-204.	1.3	1
335	Computational Identification of Inhibitors Using QSAR Approach Against Nipah Virus. <i>Frontiers in Pharmacology</i> , 2019, 10, 71.	3.5	19
336	Influence of A-site cations on the open-circuit voltage of efficient perovskite solar cells: a case of rubidium and guanidinium additives. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8218-8225.	10.3	43
337	A robust method to authenticate car license plates using segmentation and ROI based approach. <i>Smart and Sustainable Built Environment</i> , 2019, 9, 737-747.	4.0	29
338	Paruthi Paal, a nutrient-rich healthy drink from cottonseed: an Indian delicacy. <i>Journal of Ethnic Foods</i> , 2019, 6, .	1.9	12
339	Does spatial heterogeneity of landscape explain the process of plant invasion? A case study of <i>Hyptis suaveolens</i> from Indian Western Himalaya. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 794.	2.7	21
340	Acute and Sub-acute Toxicity of <i>Ganoderma applanatum</i> (Pres.) Pat. Extract Mediated Silver Nanoparticles on Rat. <i>Notulae Scientia Biologicae</i> , 2019, 11, 351-363.	0.4	4
341	Synthesis, spectroscopic characterization, DFT calculations, and antimicrobial activities of N-arylsalicylaldiminate derivatives of diorganotin(IV). <i>Journal of Coordination Chemistry</i> , 2019, 72, 3371-3384.	2.2	6
342	A Novel Synthesis, Characterization and Biological Studies of Ferrocenyl Substituted Pyrazoles. <i>Asian Journal of Chemistry</i> , 2019, 31, 2729-2732.	0.3	2

#	ARTICLE	IF	CITATIONS
343	Molecular Mechanisms of Action of Genistein in Cancer: Recent Advances. <i>Frontiers in Pharmacology</i> , 2019, 10, 1336.	3.5	234
344	Understanding the In Situ Mechanistic Control of Plantâ€Derived Carbon Quantum Dots on the Synthesis of Gold Nanoparticles. <i>ChemistrySelect</i> , 2019, 4, 13677-13688.	1.5	2
345	Flower-like Bi<sub>2</sub>S<sub>3</sub> nanostructures as highly efficient anodes for all-solid-state lithium-ion batteries. <i>RSC Advances</i> , 2019, 9, 29549-29555.	3.6	33
346	Simulating the Impact of Climate Change and its Variability on Agriculture. , 2019, , 21-28.		9
347	Assessing vulnerability of forest ecosystem in the Indian Western Himalayan region using trends of net primary productivity. <i>Biodiversity and Conservation</i> , 2019, 28, 2163-2182.	2.6	79
348	Computational Resources for Prediction and Analysis of Functional miRNA and Their Targetome. <i>Methods in Molecular Biology</i> , 2019, 1912, 215-250.	0.9	27
349	Image authentication by assessing manipulations using illumination. <i>Multimedia Tools and Applications</i> , 2019, 78, 12451-12463.	3.9	24
350	Excess copper promotes photoinhibition and modulates the expression of antioxidant-related genes in <i>Zostera muelleri</i> . <i>Aquatic Toxicology</i> , 2019, 207, 91-100.	4.0	25
351	Forgery detection using multiple light sources for synthetic images. <i>Australian Journal of Forensic Sciences</i> , 2019, 51, 243-250.	1.2	24
352	Water generation from atmospheric air by using different composite desiccant materials. <i>International Journal of Ambient Energy</i> , 2019, 40, 343-349.	2.5	13
353	Image forgery detection based on physics and pixels: a study. <i>Australian Journal of Forensic Sciences</i> , 2019, 51, 119-134.	1.2	20
354	Thermal analysis of solar updraft tower by using different absorbers with convergent chimney. <i>Environment, Development and Sustainability</i> , 2019, 21, 1251-1269.	5.0	10
355	Effect of Surface Tension Variation of the Working Fluid on the Performance of a Closed Loop Pulsating Heat Pipe. <i>Heat Transfer Engineering</i> , 2019, 40, 509-523.	1.9	16
356	A Technique to Detect Copy-Move Forgery using Enhanced SURF. <i>International Journal of Engineering and Advanced Technology</i> , 2019, 8, 676-680.	0.3	6
357	Cellulase enhances anthocyanin and phenolic content in black carrot juice. <i>Indian Journal of Horticulture</i> , 2019, 76, 749.	0.1	2
358	Synthesis and characterization of <i>Cuscuta reflexa</i> (Roxb.) aqueous extract mediated silver nanoparticles. <i>Journal of Analytical &amp; Pharmaceutical Research</i> , 2019, 8, 80-83.	1.0	3
359	Improvement of renal profile in Gentamicin-induced Nephrotoxicity in albino wistar rats by edible macrofungi <i>Dacryopinax spathularia</i> and <i>Schizophyllum commune</i> . <i>Journal of Applied and Natural Science</i> , 2019, 11, 436-439.	0.4	0
360	Study of Impacts of <i>Ganoderma applanatum</i> (Pres.) Pat. Extract on Hepatic and Renal Biochemical Parameters of Rats. <i>Majalah Obat Tradisional</i> , 2019, 24, 119.	0.1	3

#	ARTICLE	IF	CITATIONS
361	Image Tampering Detection Based on Inherent Lighting Fingerprints. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1129-1140.	0.5	1
362	LiBH <sub>4</sub> as solid electrolyte for Li-ion batteries with Bi <sub>2</sub> Te <sub>3</sub> nanostructured anode. International Journal of Hydrogen Energy, 2018, 43, 21709-21714.	7.1	20
363	saRNAdb: Resource of Small Activating RNAs for Up-regulating the Gene Expression. Journal of Molecular Biology, 2018, 430, 2212-2218.	4.2	5
364	Chloroplast Signaling Gates Thermotolerance in Arabidopsis. Cell Reports, 2018, 22, 1657-1665.	6.4	80
365	Cellulose synthase complex organization and cellulose microfibril structure. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170048.	3.4	51
366	Electro-analytical method for the quantities evaluation of the silicon solar cell by DC and AC characterization technique. Materials Research Bulletin, 2018, 100, 440-445.	5.2	4
367	aBiofilm: a resource of anti-biofilm agents and their potential implications in targeting antibiotic drug resistance. Nucleic Acids Research, 2018, 46, D894-D900.	14.5	98
368	Improving electron transport in the hybrid perovskite solar cells using CaMnO <sub>3</sub> -based buffer layer. Nano Energy, 2018, 45, 287-297.	16.0	19
369	Synthesis and characterization of polyaniline membranes with secondary amine additive containing N,N-dimethyl propylene urea for fuel cell application. International Journal of Hydrogen Energy, 2018, 43, 21715-21723.	7.1	8
370	Electrochemical hydrogen evolution and storage studies on bismuth nano hexagons. International Journal of Hydrogen Energy, 2018, 43, 21642-21648.	7.1	15
371	Estimating various losses in c-Si solar cells subjected to partial shading: insights into J <sub>0</sub> performance reduction. Journal of Computational Electronics, 2018, 17, 810-820.	2.5	2
372	Climate change vulnerability in urban slum communities: Investigating household adaptation and decision-making capacity in the Indian Himalaya. Ecological Indicators, 2018, 90, 379-391.	6.3	57
373	Exploiting CELLULOSE SYNTHASE (CESA) Class Specificity to Probe Cellulose Microfibril Biosynthesis. Plant Physiology, 2018, 177, 151-167.	4.8	31
374	CT image denoising using locally adaptive shrinkage rule in tetrolet domain. Journal of King Saud University - Computer and Information Sciences, 2018, 30, 41-50.	3.9	15
375	Synthesis and characterization of hybrid PANI/MWCNT nanocomposites for EMI applications. Polymer Composites, 2018, 39, 3858-3868.	4.6	47
376	Low cost and solution processible sandwiched CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -xCl <sub>x</sub> based photodetector. Materials Research Bulletin, 2018, 99, 79-85.	5.2	17
377	Functionalized and engineered nanochannels for gas separation. Pure and Applied Chemistry, 2018, 90, 1063-1071.	1.9	7
378	Aqueous dispersions of lipid nanoparticles wet hydrophobic and superhydrophobic surfaces. Soft Matter, 2018, 14, 205-215.	2.7	16

#	ARTICLE	IF	CITATIONS
379	Anti-flavi: A Web Platform to Predict Inhibitors of Flaviviruses Using QSAR and Peptidomimetic Approaches. <i>Frontiers in Microbiology</i> , 2018, 9, 3121.	3.5	19
380	Ductile fracture at high velocity impact of cylindrical tubes. <i>Materials Today: Proceedings</i> , 2018, 5, 18983-18991.	1.8	0
381	Ultrafine hybrid Cu <sub>2</sub> O@Fe <sub>2</sub> O <sub>3</sub> nanoparticles stabilized by hexaphenylbenzene-based supramolecular assemblies: a photocatalytic system for the Ullmann@Goldberg coupling reaction. <i>Green Chemistry</i> , 2018, 20, 5346-5357.	9.0	36
382	Interdiffusion across Electrode-Electrolyte Interface in Solid Oxide Fuel Cell Incorporating the Finite Size Effect of the Ions. <i>Journal of the Electrochemical Society</i> , 2018, 165, F1184-F1191.	2.9	5
383	Electrochemical sensor for detection of mercury (II) ions in water using nanostructured bismuth hexagons. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	29
384	An essential role for Abscisic acid in the regulation of xylem fibre differentiation. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	23
385	Synthesis, Spectral Studies and DFT Calculation of Copper(II) Complexes with Mixed Ligands. <i>Asian Journal of Chemistry</i> , 2018, 30, 1679-1684.	0.3	2
386	Study of transport and recombination mechanism in hole transporter free perovskite solar cell. <i>Materials Research Express</i> , 2018, 5, 105508.	1.6	2
387	Large PAMAM Dendron Induces Formation of Unusual $P4_{32}$ Mesophase in Monoolein/Water Systems. <i>Langmuir</i> , 2018, 34, 6827-6834.	3.5	3
388	Anti-biofilm Peptides: A New Class of Quorum Quenchers and Their Prospective Therapeutic Applications. , 2018, , 87-110.		5
389	Postnatal Microstructural Developmental Trajectory of Corpus Callosum Subregions and Relationship to Clinical Factors in Very Preterm Infants. <i>Scientific Reports</i> , 2018, 8, 7550.	3.3	16
390	An Update on Genetic Modification of Chickpea for Increased Yield and Stress Tolerance. <i>Molecular Biotechnology</i> , 2018, 60, 651-663.	2.4	26
391	An investigation to detect leakage of oil using wear debris analysis in journal bearing of 1 MW hydel power plant. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 377, 012216.	0.6	2
392	Effect of UV irradiation on PC membrane and use of Pd nanoparticles with/without PVP for H <sub>2</sub> selectivity enhancement over CO <sub>2</sub> and N <sub>2</sub> gases. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21690-21698.	7.1	14
393	Investigation of dimensionality-dependent thermal stability of $\text{Bi}_2\text{Te}_3$ . <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	3
394	HIVprot!: an integrated web based platform for prediction and design of HIV proteins inhibitors. <i>Journal of Cheminformatics</i> , 2018, 10, 12.	6.1	25
395	Phylogenomics and Evolutionary Perspective of Quorum Sensing Regulators (LuxI/LuxR) in Prokaryotes. , 2018, , 61-70.		0
396	Investigating the influence of charge transport on the performance of PTB7:PC <sub>71</sub> BM based organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17304-17312.	2.8	8

#	ARTICLE	IF	CITATIONS
397	Quantification and localization of reactive oxygen species in marine macrophytes. , 2018, , 267-277.		2
398	Hepatoprotective activity of Punica granatum leaf extract against Carbon Tetrachloride induced Hepatotoxicity in Rats. Balneo Research Journal, 2018, 9, 24-27.	0.4	8
399	Mushroom cultivation: Substantial key to food security. Journal of Applied and Natural Science, 2018, 10, 1325-1331.	0.4	12
400	Studies of Isopropoxide Bridge Hetero-Bimetallic Complexes: Synthesis, Spectral, Morphology and Antimicrobial Activity. Bulletin of Pure & Applied Sciences - Chemistry, 2018, 37c, 25.	0.1	0
401	Plant mediated synthesis of silver nanoparticles using Punica granatum aqueous leaf extract. Journal of Microbiology & Experimentation, 2018, 6, .	0.2	9
402	Composite desiccant material CaCl <sub>2</sub> /Vermiculite/Saw wood a new material for fresh water production from atmospheric air. Applied Water Science, 2017, 7, 2103-2111.	5.6	24
403	Critical aspects of impedance spectroscopy in silicon solar cell characterization: A review. Renewable and Sustainable Energy Reviews, 2017, 76, 1562-1578.	16.4	38
404	Simulation and Analysis of Ballistic Impact Using Continuum Damage Mechanics (CDM) Model. Procedia Engineering, 2017, 173, 190-197.	1.2	7
405	Investigation of luminescence and structural properties of ZnO nanoparticles, synthesized with different precursors. Materials Chemistry Frontiers, 2017, 1, 1413-1421.	5.9	113
406	Performance evaluation of semi continuous vertical flow constructed wetlands (SC-VF-CWs) for municipal wastewater treatment. Bioresource Technology, 2017, 232, 321-330.	9.6	31
407	Palladium nanoparticle binding in functionalized track etched PET membrane for hydrogen gas separation. International Journal of Hydrogen Energy, 2017, 42, 16186-16194.	7.1	24
408	Photo-induced characteristic study of the smallest fullerene fragment, 1,6,7,10-tetramethylfluoranthene as an acceptor. New Journal of Chemistry, 2017, 41, 5836-5845.	2.8	8
409	Selective deposition of Pd nanoparticles in porous PET membrane for hydrogen separation. International Journal of Hydrogen Energy, 2017, 42, 15203-15210.	7.1	18
410	vhfRNAi: a web-platform for analysis of host genes involved in viral infections discovered by genome wide RNAi screens. Molecular BioSystems, 2017, 13, 1377-1387.	2.9	3
411	Simulation of Fracture in the Taylor Test Using Continuum Damage Mechanics Model. Procedia Engineering, 2017, 173, 1215-1222.	1.2	0
412	Functional Analysis of Cellulose Synthase (CESA) Protein Class Specificity. Plant Physiology, 2017, 173, 970-983.	4.8	48
413	Sendai virus recruits cellular villin to remodel actin cytoskeleton during fusion with hepatocytes. Molecular Biology of the Cell, 2017, 28, 3801-3814.	2.1	6
414	A naphthalimide-based solid state luminescent probe for ratiometric detection of aluminum ions: <i>in vitro</i> and <i>in vivo</i> applications. Chemical Communications, 2017, 53, 12646-12649.	4.1	35



#	ARTICLE	IF	CITATIONS
415	Newly discovered seagrass beds and their potential for blue carbon in the coastal seas of Hainan Island, South China Sea. <i>Marine Pollution Bulletin</i> , 2017, 125, 513-521.	5.0	41
416	Hydrogen gas separation with controlled selectivity via efficient and cost effective block copolymer coated PET membranes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 19977-19983.	7.1	16
417	Fluorescent probes for hydrogen polysulfides ( $H_2S_n$ , $n \geq 1$ ): from design rationale to applications. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6692-6701.	2.8	35
418	In silico analyses of conservational, functional and phylogenetic distribution of the LuxI and LuxR homologs in Gram-positive bacteria. <i>Scientific Reports</i> , 2017, 7, 6969.	3.3	32
419	Heterologous expression of GmSIP1;3 from soybean in tobacco showed growth retardation and tolerance to hydrogen peroxide. <i>Plant Science</i> , 2017, 263, 210-218.	3.6	11
420	Titania nanodots array using self-assembled poly(styrene)-b-poly(4-vinylpyridine) block copolymer nanotemplates via ex-situ approach. <i>Materials Letters</i> , 2017, 209, 365-368.	2.6	2
421	Genome-wide identification of Major Intrinsic Proteins in Glycine soja and characterization of GmTIP2;1 function under salt and water stress. <i>Scientific Reports</i> , 2017, 7, 4106.	3.3	18
422	Investigation of thermal stability of TiO <sub>2</sub> nanoparticles using 1-thioglycerol as capping agent. <i>Solid State Communications</i> , 2017, 263, 1-5.	1.9	9
423	An Efficient Multi-focus Image Fusion Approach Based on DWT. <i>Lecture Notes in Electrical Engineering</i> , 2017, , 45-52.	0.4	0
424	AVCpred: an integrated web server for prediction and design of antiviral compounds. <i>Chemical Biology and Drug Design</i> , 2017, 89, 74-83.	3.2	54
425	Analysis of silicon-based integrated photovoltaic-electrochemical hydrogen generation system under varying temperature and illumination. <i>Journal of Energy Chemistry</i> , 2017, 26, 72-80.	12.9	3
426	Effect of Volume Fraction of Minority Block on Morphology of PS- <i>b</i> -P4VP Nanotemplates. <i>Macromolecular Symposia</i> , 2017, 376, 1700016.	0.7	2
427	Efficiency of a machine translation system. , 2017, , .		3
428	ASPSiRNA: A Resource of ASP-siRNAs Having Therapeutic Potential for Human Genetic Disorders and Algorithm for Prediction of Their Inhibitory Efficacy. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2931-2943.	1.8	12
429	Endophytic Fungi <i>Piriformospora indica</i> Mediated Protection of Host from Arsenic Toxicity. <i>Frontiers in Microbiology</i> , 2017, 8, 754.	3.5	98
430	Computational Exploration of Putative LuxR Solos in Archaea and Their Functional Implications in Quorum Sensing. <i>Frontiers in Microbiology</i> , 2017, 8, 798.	3.5	22
431	Effective Doping of Er <sup>3+</sup> in ZnO Nanoparticles to Control Its Luminescent Properties. <i>Macromolecular Symposia</i> , 2017, 376, 1700005.	0.7	6
432	Green Nanotechnology: Synthesis of Silver Nanoparticles Using Aqueous Leaf Extract of <i>Swertia chirayita</i> . <i>Notulae Scientia Biologicae</i> , 2017, 9, 443-448.	0.4	15

#	ARTICLE	IF	CITATIONS
433	Revealing the correlation between charge carrier recombination and extraction in an organic solar cell under varying illumination intensity. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26169-26178.	2.8	13
434	<b>An ethnomycological survey of Jaunsar, Chakrata, Dehradun, India</b>. <i>Journal of Threatened Taxa</i> , 2017, 9, 10717.	0.3	9
435	Different blood collection methods from rats: A review. <i>Balneo Research Journal</i> , 2017, 8, 46-50.	0.4	20
436	Identifying Photo Forgery using Lighting Elements. <i>Indian Journal of Science and Technology</i> , 2017, 9, .	0.7	7
437	Near infrared fluorescent imaging of choline kinase alpha expression and inhibition in breast tumors. <i>Oncotarget</i> , 2017, 8, 16518-16530.	1.8	21
438	<i>Pseudomonas putida</i> and <i>Bacillus amyloliquefaciens</i> alleviates the adverse effect of pesticides and poise soil enzymes activities in chickpea ( <i>Cicer arietinum</i> L.) rhizosphere. <i>Tropical Plant Research</i> , 2017, 4, 405-418.	0.4	11
439	Image Modelling: A Feature Detection Approach for Steganalysis. <i>Communications in Computer and Information Science</i> , 2017, , 140-148.	0.5	7
440	Modeling and Simulation of Surface Texture for End-Milling Process. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2017, , 19-39.	0.4	0
441	Phytoremediation. , 2017, , 305-336.		0
442	&lt;b>Largest fungal fruit body from India&lt;/b>. <i>Journal of Threatened Taxa</i> , 2017, 9, 11085.	0.3	2
443	Impedance Spectroscopic Investigation of the Degraded Dye-Sensitized Solar Cell due to Ageing. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-9.	2.5	6
444	Edge preservation based CT image denoising using Wiener filtering and thresholding in wavelet domain. , 2016, , .		15
445	Genetic transformation of pigeonpea ( <i>Cajanus cajan</i> L.) and screening transgenic progenies based on lateral root inhibition. <i>Journal of Crop Science and Biotechnology</i> , 2016, 19, 295-302.	1.5	0
446	Assessing remaining useful life of lubricant using Fourier transform infrared spectroscopy. <i>Journal of Quality in Maintenance Engineering</i> , 2016, 22, 202-214.	1.7	4
447	MSLVP: prediction of multiple subcellular localization of viral proteins using a support vector machine. <i>Molecular BioSystems</i> , 2016, 12, 2572-2586.	2.9	26
448	SMEpred workbench: A web server for predicting efficacy of chemically modified siRNAs. <i>RNA Biology</i> , 2016, 13, 1144-1151.	3.1	16
449	Functionalized Pd-decorated and aligned MWCNTs in polycarbonate as a selective membrane for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 23057-23066.	7.1	49
450	Electrical behavior of dualâ€m morphology polyaniline. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	29

#	ARTICLE	IF	CITATIONS
451	Reversible data hiding for medical images using integer-to-integer wavelet transform. , 2016, , .		9
452	Reversible data hiding based on prediction error expansion using adjacent pixels. Security and Communication Networks, 2016, 9, 3703-3712.	1.5	20
453	High-performance self-powered perovskite photodetector with a rapid photoconductive response. RSC Advances, 2016, 6, 105076-105080.	3.6	37
454	Optoelectronic modelling of perovskite solar cells under humid conditions and their correlation with power losses to quantify material degradation. Organic Electronics, 2016, 39, 258-266.	2.6	11
455	Expression of chimeric Bt gene, Cry1Aabc in transgenic pigeonpea (cv. Asha) confers resistance to gram pod borer ( <i>Helicoverpa armigera</i> Hubner.). Plant Cell, Tissue and Organ Culture, 2016, 127, 705-715.	2.3	16
456	First step to investigate nature of electronic states and transport in flower-like MoS <sub>2</sub> : Combining experimental studies with computational calculations. Scientific Reports, 2016, 6, 32690.	3.3	20
457	ZikaVR: An Integrated Zika Virus Resource for Genomics, Proteomics, Phylogenetic and Therapeutic Analysis. Scientific Reports, 2016, 6, 32713.	3.3	49
458	Phytochromes function as thermosensors in <i>Arabidopsis</i> . Science, 2016, 354, 886-889.	12.6	694
459	Photodynamic response of a solution-processed organolead halide photodetector. RSC Advances, 2016, 6, 111942-111949.	3.6	4
460	ge-CRISPR - An integrated pipeline for the prediction and analysis of sgRNAs genome editing efficiency for CRISPR/Cas system. Scientific Reports, 2016, 6, 30870.	3.3	38
461	siRNAmoD: A database of experimentally validated chemically modified siRNAs. Scientific Reports, 2016, 6, 20031.	3.3	53
462	Comparative study of solar-powered water production from atmospheric air using different desiccant materials. International Journal of Sustainable Engineering, 2016, 9, 390-400.	3.5	21
463	Design and development of high bioluminescent resonance energy transfer efficiency hybrid-imaging constructs. Analytical Biochemistry, 2016, 498, 1-7.	2.4	5
464	Southern blight disease of tomato control by 1-aminocyclopropane-1-carboxylate (ACC) deaminase producing <i>Paenibacillus lentimorbus</i> B-30488. Plant Signaling and Behavior, 2016, 11, e1113363.	2.4	60
465	Electroanalytical investigation of the losses during interfacial charge transport in dye-sensitized solar cell. Solar Energy, 2016, 129, 207-216.	6.1	2
466	Metabolomics: an emerging frontier of systems biology in marine macrophytes. Algal Research, 2016, 16, 76-92.	4.6	73
467	Solar photovoltaic system design optimization by shading analysis to maximize energy generation from limited urban area. Energy Conversion and Management, 2016, 115, 244-252.	9.2	36
468	ViralEpiV1.0: a high-throughput spectrum of viral epigenomic methylation profiles from diverse diseases. Epigenomics, 2016, 8, 67-75.	2.1	2

#	ARTICLE	IF	CITATIONS
469	Probing the electrochemical properties of TiO <sub>2</sub> /graphene composite by cyclic voltammetry and impedance spectroscopy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 206, 22-29.	3.5	28
470	SigMol: repertoire of quorum sensing signaling molecules in prokaryotes. <i>Nucleic Acids Research</i> , 2016, 44, D634-D639.	14.5	100
471	Synergistic effect of <i>Pseudomonas putida</i> and <i>Bacillus amyloliquefaciens</i> ameliorates drought stress in chickpea ( <i>Cicer arietinum</i> L.). <i>Plant Signaling and Behavior</i> , 2016, 11, e1071004.	2.4	157
472	Solar-driven technology for freshwater production from atmospheric air by using the composite desiccant material CaCl <sub>2</sub> /floral foam. <i>Environment, Development and Sustainability</i> , 2016, 18, 1151-1165.	5.0	17
473	Impact of aqueous bark extract of <i>Terminalia arjuna</i> on hematological and immunological profile variables of albino rats. <i>Balneo Research Journal</i> , 2016, 7, 5-10.	0.4	0
474	Catalogue of Hybrid Video Watermarking Techniques. <i>International Journal of Computer Applications</i> , 2016, 143, 12-18.	0.2	0
475	A Hybrid Novel Approach of Video Watermarking. <i>International Journal of Signal Processing, Image Processing and Pattern Recognition</i> , 2016, 9, 365-376.	0.2	4
476	AVP <sub>50</sub> Pred: Multiple machine learning techniques based prediction of peptide antiviral activity in terms of half maximal inhibitory concentration (IC <sub>50</sub> ). <i>Biopolymers</i> , 2015, 104, 753-763.	2.4	47
477	Structural and Morphological Study of PS/TiO <sub>2</sub> Nanocomposite Membranes. <i>Macromolecular Symposia</i> , 2015, 357, 200-205.	0.7	3
478	Structural and Morphological Study of PS/ZnO Nanocomposite Membrane. <i>Macromolecular Symposia</i> , 2015, 357, 218-222.	0.7	7
479	CrisprGE: a central hub of CRISPR/Cas-based genome editing. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, bav055.	3.0	32
480	Optical and Structural Study of Polyaniline/Polystyrene Composite Films. <i>Macromolecular Symposia</i> , 2015, 357, 229-234.	0.7	21
481	Prediction and Analysis of Quorum Sensing Peptides Based on Sequence Features. <i>PLoS ONE</i> , 2015, 10, e0120066.	2.5	74
482	Sodium chloride-induced spatial and temporal manifestation in membrane stability index and protein profiles of contrasting wheat ( <i>Triticum aestivum</i> L.) genotypes under salt stress. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 271-275.	0.8	14
483	Exploring the performance limiting parameters of perovskite solar cell through experimental analysis and device simulation. <i>Solar Energy</i> , 2015, 122, 773-782.	6.1	42
484	Arabidopsis response to low-phosphate conditions includes active changes in actin filaments and PIN2 polarization and is dependent on strigolactone signalling. <i>Journal of Experimental Botany</i> , 2015, 66, 1499-1510.	4.8	42
485	Chemical constituents from rhizomes of <i>Cautleya spicata</i> (Sm.) Baker (Zingiberaceae). <i>Natural Product Research</i> , 2015, 29, 2030-2032.	1.8	2
486	HPVbase – a knowledgebase of viral integrations, methylation patterns and microRNAs aberrant expression: As potential biomarkers for Human papillomaviruses mediated carcinomas. <i>Scientific Reports</i> , 2015, 5, 12522.	3.3	24

#	ARTICLE	IF	CITATIONS
487	Polyamines in morphogenesis and development: a promising research area in seaweeds. <i>Frontiers in Plant Science</i> , 2015, 6, 27.	3.6	10
488	Experimental investigation of solar powered water production from atmospheric air by using composite desiccant material $\text{CaCl}_2$ /saw wood. <i>Desalination</i> , 2015, 367, 216-222.	8.2	74
489	Investigation of interface limited charge extraction and recombination in polycrystalline silicon solar cell: Using DC and AC characterization techniques. <i>Solar Energy</i> , 2015, 116, 293-302.	6.1	22
490	Wood Formation in Trees Is Increased by Manipulating PXY-Regulated Cell Division. <i>Current Biology</i> , 2015, 25, 1050-1055.	3.9	123
491	Investigating the charge carrier transport within the hole-transport material free perovskite solar cell processed in ambient air. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 320-327.	6.2	52
492	Magnetic Resonance Spectroscopy for Detection of Choline Kinase Inhibition in the Treatment of Brain Tumors. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 899-908.	4.1	31
493	LBDR: Congestion-aware logic based distributed routing for 2D NoC. , 2015, , .		3
494	Improved Route Selection Approaches using Q-learning framework for 2D NoCs. , 2015, , .		8
495	WDR coding based image compression technique using PCA. , 2015, , .		10
496	Experimental investigation of design parameters of solar glass desiccant box type system for water production from atmospheric air. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, .	2.0	31
497	An effective way to analyse the performance limiting parameters of poly-crystalline silicon solar cell fabricated in the production line. <i>Solar Energy</i> , 2015, 122, 1-10.	6.1	19
498	A nonlinear ductile damage growth law. <i>International Journal of Damage Mechanics</i> , 2015, 24, 1070-1085.	4.2	16
499	Investigating the charge transport kinetics in poly-crystalline silicon solar cells for low-concentration illumination by impedance spectroscopy. <i>Solar Energy Materials and Solar Cells</i> , 2015, 133, 105-112.	6.2	28
500	Plant cellulose synthesis: CESA proteins crossing kingdoms. <i>Phytochemistry</i> , 2015, 112, 91-99.	2.9	131
501	Temperature induced structural, electrical and optical changes in solution processed perovskite material: Application in photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2015, 132, 615-622.	6.2	60
502	Plasmon-Induced Photon Manipulation by Ag Nanoparticle-Coupled Graphene Thin-Film: Light Trapping for Photovoltaics. <i>Plasmonics</i> , 2015, 10, 157-164.	3.4	12
503	Safety analysis of 2oo4 coincidence logic systems. <i>International Journal of Systems Assurance Engineering and Management</i> , 2015, 6, 26-31.	2.4	4
504	Phytochemical screening and antibacterial activity of aqueous leaf extract of <i>Punica granatum</i> . <i>Balneo Research Journal</i> , 2015, 6, 168-171.	0.4	3

#	ARTICLE	IF	CITATIONS
505	Fault tolerant and highly adaptive routing for 2D NoCs. , 2014, , .		6
506	A new Image compression technique using principal component analysis and Huffman coding. , 2014, , .		4
507	Effect of Probiotic (VSL#3) and Omega-3 on Lipid Profile, Insulin Sensitivity, Inflammatory Markers, and Gut Colonization in Overweight Adults: A Randomized, Controlled Trial. Mediators of Inflammation, 2014, 2014, 1-8.	3.0	202
508	Plasmon Enhanced Light Trapping to Improve Efficiency of Dye-Sensitized Solar Cell. Journal of Nanoscience and Nanotechnology, 2014, 14, 2624-2629.	0.9	3
509	CT image noise reduction based on adaptive wiener filtering with Wavelet packet thresholding. , 2014, , .		17
510	A novel non-minimal/minimal turn model for highly adaptive routing in 2D NoCs. , 2014, , .		2
511	Highly adaptive and congestion-aware routing for 3D NoCs. , 2014, , .		0
512	Salinity and Desiccation Induced Oxidative Stress Acclimation in Seaweeds. Advances in Botanical Research, 2014, 71, 91-123.	1.1	51
513	A novel non-minimal turn model for highly adaptive routing in 2D NoCs. , 2014, , .		5
514	VIRmiRNA: a comprehensive resource for experimentally validated viral miRNAs and their targets. Database: the Journal of Biological Databases and Curation, 2014, 2014, .	3.0	95
515	AVPdb: a database of experimentally validated antiviral peptides targeting medically important viruses. Nucleic Acids Research, 2014, 42, D1147-D1153.	14.5	181
516	Effect of varying concentration and temperature on steady and dynamic parameters of low concentration photovoltaic energy system. International Journal of Electrical Power and Energy Systems, 2014, 61, 101-110.	5.5	12
517	Strigolactone analog <scp>GR</scp>24 triggers changes in <scp>PIN</scp>2 polarity, vesicle trafficking and actin filament architecture. New Phytologist, 2014, 202, 1184-1196.	7.3	64
518	Desiccation stress in intertidal seaweeds: Effects on morphology, antioxidant responses and photosynthetic performance. Aquatic Botany, 2014, 113, 90-99.	1.6	86
519	Nitrate and Phosphate Regimes Induced Lipidomic and Biochemical Changes in the Intertidal Macroalga <i>Ulva lactuca</i> (Ulvophyceae, Chlorophyta). Plant and Cell Physiology, 2014, 55, 52-63.	3.1	43
520	Recombination kinetics in a silicon solar cell at low concentration: electro-analytical characterization of space-charge and quasi-neutral regions. Physical Chemistry Chemical Physics, 2014, 16, 15469-15476.	2.8	30
521	Deficient sucrose synthase activity in developing wood does not specifically affect cellulose biosynthesis, but causes an overall decrease in cell wall polymers. New Phytologist, 2014, 203, 1220-1230.	7.3	64
522	Charge transfer and recombination kinetics in dye-sensitized solar cell using static and dynamic electrical characterization techniques. Solar Energy, 2014, 108, 107-116.	6.1	42

#	ARTICLE	IF	CITATIONS
523	Investigating the role of graphene in the photovoltaic performance improvement of dye-sensitized solar cell. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 190, 111-118.	3.5	8
524	CARM: Congestion Adaptive Routing Method for On Chip Networks. , 2014, , .		8
525	Performance analysis and comparison of two silicon material based photovoltaic technologies under actual climatic conditions in Western India. <i>Energy Conversion and Management</i> , 2014, 80, 97-102.	9.2	73
526	Probiotics in Female Reproductive Health: Paradigms, Prospects and Challenges. <i>Current Women's Health Reviews</i> , 2014, 9, 235-244.	0.2	4
527	Molecular cloning, characterization and heterologous expression of bile salt hydrolase (Bsh) from <i>Lactobacillus fermentum</i> NCDO394. <i>Molecular Biology Reports</i> , 2013, 40, 5057-5066.	2.3	28
528	Plasmon-Enhanced Light Trapping to Improve Efficiency of TiO <sub>2</sub> Nanorod-Based Dye-Sensitized Solar Cell. <i>Plasmonics</i> , 2013, 8, 1501-1507.	3.4	10
529	SPIRAL2 Determines Plant Microtubule Organization by Modulating Microtubule Severing. <i>Current Biology</i> , 2013, 23, 1902-1907.	3.9	123
530	Effect of temperature and concentration on commercial silicon module based low-concentration photovoltaic system. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, .	2.0	14
531	A Targeted and Adjuvanted Nanocarrier Lowers the Effective Dose of Liposomal Amphotericin B and Enhances Adaptive Immunity in Murine Cutaneous Leishmaniasis. <i>Journal of Infectious Diseases</i> , 2013, 208, 1914-1922.	4.0	56
532	Purification and characterization of exo- $\beta$ -D-glucanase from an endophytic marine bacterium and its catalytic potential in bioconversion of red algal cell wall polysaccharides into galactans. <i>Biomass and Bioenergy</i> , 2013, 49, 290-298.	5.7	39
533	Therapeutic Effect of Probiotic Dahi on Plasma, Aortic, and Hepatic Lipid Profile of Hypercholesterolemic Rats. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2013, 18, 490-497.	2.0	26
534	Real-time analysis of low-concentration photovoltaic systems: A review towards development of sustainable energy technology. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 28, 812-823.	16.4	31
535	VIRsiRNApred: a web server for predicting inhibition efficacy of siRNAs targeting human viruses. <i>Journal of Translational Medicine</i> , 2013, 11, 305.	4.4	46
536	Design, development and technological advancement in the biomass cookstoves: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 265-285.	16.4	104
537	Probiotic metabolites as epigenetic targets in the prevention of colon cancer. <i>Nutrition Reviews</i> , 2013, 71, 23-34.	5.8	125
538	Reconfigurable distributed fault tolerant routing algorithm for on-chip networks. , 2013, , .		4
539	Mining of data stream using $\epsilon$ -DDenStream clustering algorithm. , 2013, , .		3
540	Theoretical upper limit of short-circuit current density of TiO <sub>2</sub> nanorod based dye-sensitized solar cell. <i>Results in Physics</i> , 2013, 3, 182-186.	4.1	13

#	ARTICLE	IF	CITATIONS
541	<sc>MYB</sc>103 is required for <i><sc>FERULATE</sc>â€ˆâ€ˆ<sc>HYDROXYLASE</sc></i> expression and syringyl lignin biosynthesis in <sc>A</sc>rabidopsis stems. <i>Plant Journal</i> , 2013, 73, 63-76.	5.7	128
542	Estimation of steady state and dynamic parameters of low concentration photovoltaic system. <i>Solar Energy Materials and Solar Cells</i> , 2013, 112, 65-72.	6.2	32
543	Probiotic <i>Lactobacillus rhamnosus</i> GG and Aloe vera gel improve lipid profiles in hypercholesterolemic rats. <i>Nutrition</i> , 2013, 29, 574-579.	2.4	79
544	Effect of Nanorod Diameter on the Short-Circuit Current Density of Dye-Sensitized Solar Cell. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 2361-2365.	0.4	5
545	Exergy, Energy, and Dynamic Parameter Analysis of Indigenously Developed Low-Concentration Photovoltaic System. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-12.	2.5	6
546	Effect of Varying Illumination and Temperature on Steady-State and Dynamic Parameters of Dye-Sensitized Solar Cell Using AC Impedance Modeling. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-10.	2.5	20
547	Aspen SUCROSE TRANSPORTER3 Allocates Carbon into Wood Fibers. <i>Plant Physiology</i> , 2013, 163, 1729-1740.	4.8	33
548	Advancement and current status of wear debris analysis for machine condition monitoring: a review. <i>Industrial Lubrication and Tribology</i> , 2013, 65, 3-11.	1.3	98
549	HIPdb: A Database of Experimentally Validated HIV Inhibiting Peptides. <i>PLoS ONE</i> , 2013, 8, e54908.	2.5	84
550	Application of Metal Nano-Particle Embedded Dielectric Thin-Film to Improve Efficiency of Dye-Sensitized Solar Cell. <i>Journal of Nano Energy and Power Research</i> , 2013, 2, 48-53.	0.2	2
551	Anti-Inflammatory Treatments for Chronic Diseases: A Review. <i>Inflammation and Allergy: Drug Targets</i> , 2013, 12, 349-361.	1.8	229
552	AVPpred: collection and prediction of highly effective antiviral peptides. <i>Nucleic Acids Research</i> , 2012, 40, W199-W204.	14.5	226
553	VIRsiRNAdb: a curated database of experimentally validated viral siRNA/shRNA. <i>Nucleic Acids Research</i> , 2012, 40, D230-D236.	14.5	48
554	Fortification and fermentation of fruit juices with probiotic lactobacilli. <i>Annals of Microbiology</i> , 2012, 62, 1573-1578.	2.6	42
555	Detection of Epigenetic Variations in the Protoplast-Derived Germlings of <i>Ulva reticulata</i> Using Methylation Sensitive Amplification Polymorphism (MSAP). <i>Marine Biotechnology</i> , 2012, 14, 692-700.	2.4	16
556	Cholesterol-Lowering Probiotics as Potential Biotherapeutics for Metabolic Diseases. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-14.	3.8	516
557	Probiotics, their health benefits and applications for developing healthier foods: a review. <i>FEMS Microbiology Letters</i> , 2012, 334, 1-15.	1.8	357
558	Selenium and spermine alleviate cadmium induced toxicity in the red seaweed <i>Gracilaria dura</i> by regulating antioxidants and DNA methylation. <i>Plant Physiology and Biochemistry</i> , 2012, 51, 129-138.	5.8	225



#	ARTICLE	IF	CITATIONS
559	Fructokinase is required for carbon partitioning to cellulose in aspen wood. <i>Plant Journal</i> , 2012, 70, 967-977.	5.7	64
560	Solution-phase detection of dual microRNA biomarkers in serum. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 543-550.	3.7	11
561	Toxic Effects of Imidazolium Ionic Liquids on the Green Seaweed <i>Ulva lactuca</i> : Oxidative Stress and DNA Damage. <i>Chemical Research in Toxicology</i> , 2011, 24, 1882-1890.	3.3	93
562	Growth and agarose characteristics of isomorphic gametophyte (male and female) and sporophyte of <i>Gracilaria dura</i> and their marker assisted selection. <i>Aquaculture</i> , 2011, 318, 389-396.	3.5	24
563	Effect of probiotic fermented milk and chlorophyllin on gene expressions and genotoxicity during AFB1-induced hepatocellular carcinoma. <i>Gene</i> , 2011, 490, 54-59.	2.2	89
564	Bioactive peptides derived from milk proteins and their health beneficial potentials: an update. <i>Food and Function</i> , 2011, 2, 18-27.	4.6	233
565	Simultaneous determination of different endogenous plant growth regulators in common green seaweeds using dispersive liquid-liquid microextraction method. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1259-1263.	5.8	104
566	Influence of chirality of V(V) Schiff base complexes on DNA, BSA binding and cleavage activity. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5074-5085.	5.5	58
567	Desiccation induced oxidative stress and its biochemical responses in intertidal red alga <i>Gracilaria corticata</i> (Gracilariales, Rhodophyta). <i>Environmental and Experimental Botany</i> , 2011, 72, 194-201.	4.2	80
568	A rapid, sensitive, and selective bioluminescence resonance energy transfer (BRET)-based nucleic acid sensing system. <i>Biosensors and Bioelectronics</i> , 2011, 30, 133-139.	10.1	39
569	Solvent tolerant marine bacterium <i>Bacillus aquimaris</i> secreting organic solvent stable alkaline cellulase. <i>Chemosphere</i> , 2011, 83, 706-712.	8.2	62
570	Optimization of protoplast yields from the red algae <i>Gracilaria dura</i> (C. Agardh) J. Agardh and <i>G. verrucosa</i> (Huds.) Papenfuss. <i>Journal of Applied Phycology</i> , 2011, 23, 209-218.	2.8	23
571	An alkali-halotolerant cellulase from <i>Bacillus flexus</i> isolated from green seaweed <i>Ulva lactuca</i> . <i>Carbohydrate Polymers</i> , 2011, 83, 891-897.	10.2	100
572	Partial characterization of sulfohydrolase from <i>Gracilaria dura</i> and evaluation of its potential application in improvement of the agar quality. <i>Carbohydrate Polymers</i> , 2011, 85, 157-163.	10.2	32
573	Assessment of nutrient composition and antioxidant potential of Caulerpaceae seaweeds. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 270-278.	3.9	82
574	HIVsirDB: A Database of HIV Inhibiting siRNAs. <i>PLoS ONE</i> , 2011, 6, e25917.	2.5	37
575	Differential responses to cadmium induced oxidative stress in marine macroalga <i>Ulva lactuca</i> (Ulvales, Chlorophyta). <i>BioMetals</i> , 2010, 23, 315-325.	4.1	97
576	Biochemical responses of red alga <i>Gracilaria corticata</i> (Gracilariales, Rhodophyta) to salinity induced oxidative stress. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 391, 27-34.	1.5	115

#	ARTICLE	IF	CITATIONS
577	Highly sensitive and selective label-free optical detection of mercuric ions using photon upconverting nanoparticles. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2431-2435.	10.1	80
578	Tropical marine macroalgae as potential sources of nutritionally important PUFAs. <i>Food Chemistry</i> , 2010, 120, 749-757.	8.2	231
579	Ultrastructure and Mechanical Properties of Populus Wood with Reduced Lignin Content Caused by Transgenic Down-Regulation of Cinnamate 4-Hydroxylase. <i>Biomacromolecules</i> , 2010, 11, 2359-2365.	5.4	87
580	Influence of chirality using Mn(III) salen complexes on DNA binding and antioxidant activity. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4297.	2.8	31
581	Cancer-preventing attributes of probiotics: an update. <i>International Journal of Food Sciences and Nutrition</i> , 2010, 61, 473-496.	2.8	235
582	Modeling of timeliness hazard rate for networked real-time systems. , 2010, , .		0
583	Juvenile-mature wood transition in pine: correlation between wood properties and candidate gene expression profiles. <i>Euphytica</i> , 2009, 166, 341.	1.2	13
584	Repeat sequence proteins as matrices for nanocomposites. <i>Materials Science and Engineering C</i> , 2009, 29, 1266-1272.	7.3	17
585	Highly sensitive and selective oligonucleotide sensor for sickle cell disease gene using photon upconverting nanoparticles. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1522-1526.	10.1	68
586	Highly Sensitive and Selective Label-Free Optical Detection of DNA Hybridization Based on Photon Upconverting Nanoparticles. <i>Langmuir</i> , 2009, 25, 6024-6027.	3.5	92
587	An update on the nomenclature for the cellulose synthase genes in Populus. <i>Trends in Plant Science</i> , 2009, 14, 248-254.	8.8	112
588	The carpospore culture of industrially important red alga <i>Gracilaria dura</i> (Gracilariales,) Tj ETQq0 0 0 rgBT /Overlock <sub>10</sub> Tf 50 302 Td (Rho	3.5	46
589	Synthesis, characterization and biosensing application of photon upconverting nanoparticles. <i>Proceedings of SPIE</i> , 2009, 7188, .	0.8	3
590	Can we differentiate true white matter fibers from pseudofibers inside a brain abscess cavity using geometrical diffusion tensor imaging metrics?. <i>NMR in Biomedicine</i> , 2008, 21, 581-588.	2.8	31
591	Modeling demand rate and imperfect proof-test and analysis of their effect on system safety. <i>Reliability Engineering and System Safety</i> , 2008, 93, 1720-1729.	8.9	12
592	Cerebral diffusion tensor imaging and <i>in vivo</i> proton magnetic resonance spectroscopy in patients with fulminant hepatic failure. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008, 23, e111-9.	2.8	54
593	Treatment-Induced Plasticity in Cerebral Palsy: A Diffusion Tensor Imaging Study. <i>Pediatric Neurology</i> , 2008, 39, 341-349.	2.1	55
594	Natural Variation in the Degree of Autonomous Endosperm Formation Reveals Independence and Constraints of Embryo Growth During Seed Development in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2008, 179, 829-841.	2.9	27

#	ARTICLE	IF	CITATIONS
595	MAP20, a Microtubule-Associated Protein in the Secondary Cell Walls of Hybrid Aspen, Is a Target of the Cellulose Synthesis Inhibitor 2,6-Dichlorobenzonitrile A. <i>Plant Physiology</i> , 2008, 148, 1283-1294.	4.8	76
596	Response-Time Modeling of Controller Area Network (CAN). <i>Lecture Notes in Computer Science</i> , 2008, , 163-174.	1.3	14
597	Characterization and functional validation of glyoxalase II from rice. <i>Protein Expression and Purification</i> , 2007, 51, 126-132.	1.3	35
598	Nanoparticle-Based Photosensitizers under CW Infrared Excitation. <i>Chemistry of Materials</i> , 2007, 19, 6071-6072.	6.7	57
599	Versatile Photosensitizers for Photodynamic Therapy at Infrared Excitation. <i>Journal of the American Chemical Society</i> , 2007, 129, 4526-4527.	13.7	554
600	Hydrogen absorption effects in ZrFe <sub>2</sub> xNi <sub>x</sub> compounds by means of <sup>57</sup> Fe Mössbauer spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 318, 44-48.	2.3	6
601	High-Pressure Mössbauer Measurements on Nanocrystalline Perovskite (La,Sr)(Mn,Fe)O <sub>3</sub> . <i>Hyperfine Interactions</i> , 2006, 163, 129-141.	0.5	15
602	Pressure and temperature studies on nanocrystalline Fe doped LaSrMnO systems by Mössbauer spectroscopy. <i>Thin Solid Films</i> , 2006, 505, 103-108.	1.8	5
603	High pressure electrical resistivity behaviour on nano-crystalline vacancy doped perovskite manganites. <i>Materials Letters</i> , 2006, 60, 2066-2068.	2.6	4
604	Whole-Genome Analysis of <i>Oryza sativa</i> Reveals Similar Architecture of Two-Component Signaling Machinery with <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2006, 142, 380-397.	4.8	130
605	Genomic Diversity in the Regulatory Gene Sequences in Indian Isolates of HIV Type 1: Emergence of a Distinct Subclade and Predicted Implications. <i>AIDS Research and Human Retroviruses</i> , 2006, 22, 1206-1219.	1.1	20
606	Emergence and continued circulation of dengue-2 (genotype IV) virus strains in northern India. <i>Journal of Medical Virology</i> , 2004, 74, 314-322.	5.0	63
607	Disposable bismuth-based electrodes for heavy metal ion detection. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 228, 012014.	0.3	4
608	SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF CUO NANOPARTICLES. <i>International Journal of Applied Pharmaceutics</i> , 0, , 17-20.	0.3	8
609	An Outsourced Decryption ABE Model using ECC in Internet of Things. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 0, , .	1.9	1
610	A prediction of suitable habitat mapping of <i>Pinus roxburghii</i> sarg. using maxent modeling. <i>Environment Conservation Journal</i> , 0, , 149-153.	0.2	0
611	<i>Ganoderma applanatum</i> extract mediated synthesis of silver nanoparticles. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 58, .	1.2	7