

# Dr Manoj Kumar

## List of Publications by Year in descending order

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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	Phytochromes function as thermosensors in <i>Arabidopsis</i> . <i>Science</i> , 2016, 354, 886-889.	12.6	694
2	Versatile Photosensitizers for Photodynamic Therapy at Infrared Excitation. <i>Journal of the American Chemical Society</i> , 2007, 129, 4526-4527.	13.7	554
3	Cholesterol-Lowering Probiotics as Potential Biotherapeutics for Metabolic Diseases. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-14.	3.8	516
4	Probiotics, their health benefits and applications for developing healthier foods: a review. <i>FEMS Microbiology Letters</i> , 2012, 334, 1-15.	1.8	357
5	Cancer-preventing attributes of probiotics: an update. <i>International Journal of Food Sciences and Nutrition</i> , 2010, 61, 473-496.	2.8	235
6	Molecular Mechanisms of Action of Genistein in Cancer: Recent Advances. <i>Frontiers in Pharmacology</i> , 2019, 10, 1336.	3.5	234
7	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
8	Tropical marine macroalgae as potential sources of nutritionally important PUFAs. <i>Food Chemistry</i> , 2010, 120, 749-757.	8.2	231
9	Anti-Inflammatory Treatments for Chronic Diseases: A Review. <i>Inflammation and Allergy: Drug Targets</i> , 2013, 12, 349-361.	1.8	229
10	AVPpred: collection and prediction of highly effective antiviral peptides. <i>Nucleic Acids Research</i> , 2012, 40, W199-W204.	14.5	226
11	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
12	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
13	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. <i>Mediators of Inflammation</i> , 2014, 2014, 1-8.	3.0	202
14	AVPdb: a database of experimentally validated antiviral peptides targeting medically important viruses. <i>Nucleic Acids Research</i> , 2014, 42, D1147-D1153.	14.5	181
15	Advances in the plant protein extraction: Mechanism and recommendations. <i>Food Hydrocolloids</i> , 2021, 115, 106595.	10.7	173
16	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
17	Fisetin and Quercetin: Promising Flavonoids with Chemopreventive Potential. <i>Biomolecules</i> , 2019, 9, 174.	4.0	167
18	Environmental Endocrine-Disrupting Chemical Exposure: Role in Non-Communicable Diseases. <i>Frontiers in Public Health</i> , 2020, 8, 553850.	2.7	158

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19	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
20	Plant cellulose synthesis: CESA proteins crossing kingdoms. <i>Phytochemistry</i> , 2015, 112, 91-99.	2.9	131
21	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
22	MYB103 is required for FERULATE 5-HYDROXYLASE expression and syringyl lignin biosynthesis in <i>Arabidopsis</i> stems. <i>Plant Journal</i> , 2013, 73, 63-76.	5.7	128
23	Probiotic metabolites as epigenetic targets in the prevention of colon cancer. <i>Nutrition Reviews</i> , 2013, 71, 23-34.	5.8	125
24	SPIRAL2 Determines Plant Microtubule Organization by Modulating Microtubule Severing. <i>Current Biology</i> , 2013, 23, 1902-1907.	3.9	123
25	Wood Formation in Trees Is Increased by Manipulating PXY-Regulated Cell Division. <i>Current Biology</i> , 2015, 25, 1050-1055.	3.9	123
26	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
27	Investigation of luminescence and structural properties of ZnO nanoparticles, synthesized with different precursors. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1413-1421.	5.9	113
28	An update on the nomenclature for the cellulose synthase genes in <i>Populus</i> . <i>Trends in Plant Science</i> , 2009, 14, 248-254.	8.8	112
29	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
30	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
31	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
32	SigMol: repertoire of quorum sensing signaling molecules in prokaryotes. <i>Nucleic Acids Research</i> , 2016, 44, D634-D639.	14.5	100
33	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
34	Endophytic Fungi <i>Piriformospora indica</i> Mediated Protection of Host from Arsenic Toxicity. <i>Frontiers in Microbiology</i> , 2017, 8, 754.	3.5	98
35	aBiofilm: a resource of anti-biofilm agents and their potential implications in targeting antibiotic drug resistance. <i>Nucleic Acids Research</i> , 2018, 46, D894-D900.	14.5	98
36	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

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37	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
38	A DE-ANN Inspired Skin Cancer Detection Approach Using Fuzzy C-Means Clustering. Mobile Networks and Applications, 2020, 25, 1319-1329.	3.3	94
39	Toxic Effects of Imidazolium Ionic Liquids on the Green Seaweed <i>Ulva lactuca</i> : Oxidative Stress and DNA Damage. Chemical Research in Toxicology, 2011, 24, 1882-1890.	3.3	93
40	Mapping socio-environmental vulnerability to climate change in different altitude zones in the Indian Himalayas. Ecological Indicators, 2020, 109, 105787.	6.3	93
41	Futuristic Non-antibiotic Therapies to Combat Antibiotic Resistance: A Review. Frontiers in Microbiology, 2021, 12, 609459.	3.5	93
42	Plant-based proteins and their multifaceted industrial applications. LWT - Food Science and Technology, 2022, 154, 112620.	5.2	93
43	Highly Sensitive and Selective Label-Free Optical Detection of DNA Hybridization Based on Photon Upconverting Nanoparticles. Langmuir, 2009, 25, 6024-6027.	3.5	92
44	Guava ( <i>Psidium guajava</i> L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Bioactivities. Foods, 2021, 10, 752.	4.3	92
45	Recent trends in extraction of plant bioactives using green technologies: A review. Food Chemistry, 2021, 353, 129431.	8.2	92
46	Effect of probiotic fermented milk and chlorophyllin on gene expressions and genotoxicity during AFB1-induced hepatocellular carcinoma. Gene, 2011, 490, 54-59.	2.2	89
47	Metabolomics and Molecular Approaches Reveal Drought Stress Tolerance in Plants. International Journal of Molecular Sciences, 2021, 22, 9108.	4.1	89
48	Ultrastructure and Mechanical Properties of Populus Wood with Reduced Lignin Content Caused by Transgenic Down-Regulation of Cinnamate 4-Hydroxylase. Biomacromolecules, 2010, 11, 2359-2365.	5.4	87
49	Desiccation stress in intertidal seaweeds: Effects on morphology, antioxidant responses and photosynthetic performance. Aquatic Botany, 2014, 113, 90-99.	1.6	86
50	HIPdb: A Database of Experimentally Validated HIV Inhibiting Peptides. PLoS ONE, 2013, 8, e54908.	2.5	84
51	Recent advances in thermoplastic starches for food packaging: A review. Food Packaging and Shelf Life, 2021, 30, 100743.	7.5	84
52	Assessment of nutrient composition and antioxidant potential of Caulerpaceae seaweeds. Journal of Food Composition and Analysis, 2011, 24, 270-278.	3.9	82
53	Lycopene: Food Sources, Biological Activities, and Human Health Benefits. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-10.	4.0	81
54	Highly sensitive and selective label-free optical detection of mercuric ions using photon upconverting nanoparticles. Biosensors and Bioelectronics, 2010, 25, 2431-2435.	10.1	80

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55	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
56	Chloroplast Signaling Gates Thermotolerance in <i>Arabidopsis</i> . <i>Cell Reports</i> , 2018, 22, 1657-1665.	6.4	80
57	Probiotic <i>Lactobacillus rhamnosus</i> GG and <i>Aloe vera</i> gel improve lipid profiles in hypercholesterolemic rats. <i>Nutrition</i> , 2013, 29, 574-579.	2.4	79
58	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
59	Onion ( <i>Allium cepa</i> L.) peels: A review on bioactive compounds and biomedical activities. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112498.	5.6	78
60	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
61	MAP20, a Microtubule-Associated Protein in the Secondary Cell Walls of Hybrid Aspen, Is a Target of the Cellulose Synthesis Inhibitor 2,6-Dichlorobenzonitrile. <i>Plant Physiology</i> , 2008, 148, 1283-1294.	4.8	76
62	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
63	Prediction and Analysis of Quorum Sensing Peptides Based on Sequence Features. <i>PLoS ONE</i> , 2015, 10, e0120066.	2.5	74
64	Experimental investigation of solar powered water production from atmospheric air by using composite desiccant material "CaCl <sub>2</sub> /saw wood". <i>Desalination</i> , 2015, 367, 216-222.	8.2	74
65	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
66	Metabolomics: an emerging frontier of systems biology in marine macrophytes. <i>Algal Research</i> , 2016, 16, 76-92.	4.6	73
67	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
68	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
69	Cottonseed: A sustainable contributor to global protein requirements. <i>Trends in Food Science and Technology</i> , 2021, 111, 100-113.	15.1	70
70	An efficient hydrogen gas sensor based on hierarchical Ag/ZnO hollow microstructures. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130510.	7.8	70
71	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
72	Enhancing Salt Tolerance of Plants: From Metabolic Reprogramming to Exogenous Chemical Treatments and Molecular Approaches. <i>Cells</i> , 2020, 9, 2492.	4.1	68

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73	Therapeutic Potential of Isoflavones with an Emphasis on Daidzein. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	4.0	68
74	Functional characterization of plant-based protein to determine its quality for food applications. <i>Food Hydrocolloids</i> , 2022, 123, 106986.	10.7	65
75	Fructokinase is required for carbon partitioning to cellulose in aspen wood. <i>Plant Journal</i> , 2012, 70, 967-977.	5.7	64
76	Strigolactone analog GR24 triggers changes in PIN2 polarity, vesicle trafficking and actin filament architecture. <i>New Phytologist</i> , 2014, 202, 1184-1196.	7.3	64
77	Deficient sucrose synthase activity in developing wood does not specifically affect cellulose biosynthesis, but causes an overall decrease in cell wall polymers. <i>New Phytologist</i> , 2014, 203, 1220-1230.	7.3	64
78	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
79	Rice Bran Oil: Emerging Trends in Extraction, Health Benefit, and Its Industrial Application. <i>Rice Science</i> , 2021, 28, 217-232.	3.9	63
80	Solvent tolerant marine bacterium <i>Bacillus aquimaris</i> secreting organic solvent stable alkaline cellulase. <i>Chemosphere</i> , 2011, 83, 706-712.	8.2	62
81	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
82	Southern blight disease of tomato control by 1-aminocyclopropane-1-carboxylate (ACC) deaminase producing <i>Paenibacillus lentimorbus</i> B-30488. <i>Plant Signaling and Behavior</i> , 2016, 11, e1113363.	2.4	60
83	Ultrasound-assisted development of stable grapefruit peel polyphenolic nano-emulsion: Optimization and application in improving oxidative stability of mustard oil. <i>Food Chemistry</i> , 2021, 334, 127561.	8.2	60
84	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
85	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
86	Diosgenin: An Updated Pharmacological Review and Therapeutic Perspectives. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	4.0	58
87	Nanoparticle-Based Photosensitizers under CW Infrared Excitation. <i>Chemistry of Materials</i> , 2007, 19, 6071-6072.	6.7	57
88	Climate change vulnerability in urban slum communities: Investigating household adaptation and decision-making capacity in the Indian Himalaya. <i>Ecological Indicators</i> , 2018, 90, 379-391.	6.3	57
89	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
90	FAJIT: a fuzzy-based data aggregation technique for energy efficiency in wireless sensor network. <i>Complex &amp; Intelligent Systems</i> , 2021, 7, 997-1007.	6.5	56

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91	Treatment-Induced Plasticity in Cerebral Palsy: A Diffusion Tensor Imaging Study. <i>Pediatric Neurology</i> , 2008, 39, 341-349.	2.1	55
92	Penetration testing framework for smart contract Blockchain. <i>Peer-to-Peer Networking and Applications</i> , 2021, 14, 2635-2650.	3.9	55
93	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
94	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
95	siRNAmod: A database of experimentally validated chemically modified siRNAs. <i>Scientific Reports</i> , 2016, 6, 20031.	3.3	53
96	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
97	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
98	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
99	Tomato ( <i>Solanum lycopersicum</i> L.) seed: A review on bioactives and biomedical activities. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112018.	5.6	52
100	Salinity and Desiccation Induced Oxidative Stress Acclimation in Seaweeds. <i>Advances in Botanical Research</i> , 2014, 71, 91-123.	1.1	51
101	Cellulose synthase complex organization and cellulose microfibril structure. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170048.	3.4	51
102	Morphology-dependent structural and optical properties of ZnO nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	51
103	Mango ( <i>Mangifera indica</i> L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Bioactivities. <i>Antioxidants</i> , 2021, 10, 299.	5.1	51
104	Baicalein: A metabolite with promising antineoplastic activity. <i>Life Sciences</i> , 2020, 259, 118183.	4.3	50
105	Path of Silibinin from diet to medicine: A dietary polyphenolic flavonoid having potential anti-cancer therapeutic significance. <i>Seminars in Cancer Biology</i> , 2021, 73, 196-218.	9.6	50
106	Pearl millet grain as an emerging source of starch: A review on its structure, physicochemical properties, functionalization, and industrial applications. <i>Carbohydrate Polymers</i> , 2021, 260, 117776.	10.2	50
107	Beneficial Role of Antioxidant Secondary Metabolites from Medicinal Plants in Maintaining Oral Health. <i>Antioxidants</i> , 2021, 10, 1061.	5.1	50
108	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

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109	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
110	ZikaVR: An Integrated Zika Virus Resource for Genomics, Proteomics, Phylogenetic and Therapeutic Analysis. <i>Scientific Reports</i> , 2016, 6, 32713.	3.3	49
111	Functionality and Applicability of Starch-Based Films: An Eco-Friendly Approach. <i>Foods</i> , 2021, 10, 2181.	4.3	49
112	VIRsiRNAdb: a curated database of experimentally validated viral siRNA/shRNA. <i>Nucleic Acids Research</i> , 2012, 40, D230-D236.	14.5	48
113	Functional Analysis of Cellulose Synthase (CESA) Protein Class Specificity. <i>Plant Physiology</i> , 2017, 173, 970-983.	4.8	48
114	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
115	Auto-Tuning Spectral Clustering for Speaker Diarization Using Normalized Maximum Eigengap. <i>IEEE Signal Processing Letters</i> , 2020, 27, 381-385.	3.6	48
116	AVPâ€C<sub>50</sub>Pred: Multiple machine learning techniquesâ€Cbased 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
117	Synthesis and characterization of hybrid PANI/MWCNT nanocomposites for EMI applications. <i>Polymer Composites</i> , 2018, 39, 3858-3868.	4.6	47
118	The carpospore culture of industrially important red alga <i>Gracilaria dura</i> (Gracilariales,) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 382 Td (Rho	3.5	46
119	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
120	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
121	Effect of polymer blending on mechanical and barrier properties of starch-polyvinyl alcohol based biodegradable composite films. <i>Food Bioscience</i> , 2021, 44, 101352.	4.4	46
122	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
123	Garcinol Exhibits Anti-Neoplastic Effects by Targeting Diverse Oncogenic Factors in Tumor Cells. <i>Biomedicines</i> , 2020, 8, 103.	3.2	44
124	Image surface texture analysis and classification using deep learning. <i>Multimedia Tools and Applications</i> , 2021, 80, 1289-1309.	3.9	44
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	Advanced osmotic dehydration techniques combined with emerging drying methods for sustainable food production: Impact on bioactive components, texture, color, and sensory properties of food. <i>Journal of Texture Studies</i> , 2022, 53, 737-762.	2.5	44



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127	Nitrate and Phosphate Regimes Induced Lipidomic and Biochemical Changes in the Intertidal Macroalga <i>Ulva lactuca</i> (Ulvophyceae, Chlorophyta). <i>Plant and Cell Physiology</i> , 2014, 55, 52-63.	3.1	43
128	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
129	Agroforestry to Achieve Global Climate Adaptation and Mitigation Targets: Are South Asian Countries Sufficiently Prepared?. <i>Forests</i> , 2021, 12, 303.	2.1	43
130	Fortification and fermentation of fruit juices with probiotic lactobacilli. <i>Annals of Microbiology</i> , 2012, 62, 1573-1578.	2.6	42
131	Charge transfer and recombination kinetics in dye-sensitized solar cell using static and dynamic electrical characterization techniques. <i>Solar Energy</i> , 2014, 108, 107-116.	6.1	42
132	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
133	<i>Arabidopsis</i> 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
134	A Pharmacological Perspective on Plant-derived Bioactive Molecules for Epilepsy. <i>Neurochemical Research</i> , 2021, 46, 2205-2225.	3.3	42
135	Plants Metabolome Study: Emerging Tools and Techniques. <i>Plants</i> , 2021, 10, 2409.	3.5	42
136	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
137	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
138	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
139	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
140	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
141	Natural Antimicrobials as Additives for Edible Food Packaging Applications: A Review. <i>Foods</i> , 2021, 10, 2282.	4.3	40
142	Garlic ( <i>Allium sativum</i> L.) Bioactives and Its Role in Alleviating Oral Pathologies. <i>Antioxidants</i> , 2021, 10, 1847.	5.1	40
143	<i>Moringa</i> ( <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
144	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

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145	Purification and characterization of exo- $\beta$ -agarase 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
146	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
147	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
148	ge-CRISPR - An integrated pipeline for the prediction and analysis of sgRNAs genome editing efficiency for CRISPR/Cas system. <i>Scientific Reports</i> , 2016, 6, 30870.	3.3	38
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