

Vinod Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

769
papers

27,705
citations

10351

72
h-index

18606

119
g-index

789
all docs

789
docs citations

789
times ranked

27324
citing authors

#	ARTICLE	IF	CITATIONS
1	Worldwide pesticide usage and its impacts on ecosystem. SN Applied Sciences, 2019, 1, 1.	1.5	863
2	Inflammasome inhibition prevents $\text{A}\beta$ -synuclein pathology and dopaminergic neurodegeneration in mice. Science Translational Medicine, 2018, 10, .	5.8	493
3	Global evaluation of heavy metal content in surface water bodies: A meta-analysis using heavy metal pollution indices and multivariate statistical analyses. Chemosphere, 2019, 236, 124364.	4.2	475
4	Pyrazole containing natural products: Synthetic preview and biological significance. European Journal of Medicinal Chemistry, 2013, 69, 735-753.	2.6	469
5	Phytohormones Regulate Accumulation of Osmolytes Under Abiotic Stress. Biomolecules, 2019, 9, 285.	1.8	412
6	Photosynthetic Response of Plants Under Different Abiotic Stresses: A Review. Journal of Plant Growth Regulation, 2020, 39, 509-531.	2.8	406
7	Upconversion based temperature sensing ability of $\text{Er}^{3+}/\text{Yb}^{3+}$ codoped SrWO_4 : An optical heating phosphor. Sensors and Actuators B: Chemical, 2015, 209, 352-358.	4.0	355
8	Pollution assessment of heavy metals in soils of India and ecological risk assessment: A state-of-the-art. Chemosphere, 2019, 216, 449-462.	4.2	308
9	Food waste: a potential bioresource for extraction of nutraceuticals and bioactive compounds. Bioresources and Bioprocessing, 2017, 4, .	2.0	289
10	Microbial biofertilizers: Bioresources and eco-friendly technologies for agricultural and environmental sustainability. Biocatalysis and Agricultural Biotechnology, 2020, 23, 101487.	1.5	277
11	Chromium Bioaccumulation and Its Impacts on Plants: An Overview. Plants, 2020, 9, 100.	1.6	257
12	Origin of the red emission in zinc oxide nanophosphors. Materials Letters, 2013, 101, 57-60.	1.3	255
13	Defect correlated fluorescent quenching and electron phonon coupling in the spectral transition of Eu^{3+} in CaTiO_3 for red emission in display application. Journal of Applied Physics, 2014, 115, .	1.1	250
14	Copper bioavailability, uptake, toxicity and tolerance in plants: A comprehensive review. Chemosphere, 2021, 262, 127810.	4.2	250
15	Isoxazoline containing natural products as anticancer agents: A review. European Journal of Medicinal Chemistry, 2014, 77, 121-133.	2.6	219
16	Rare Earth Doped Zinc Oxide Nanophosphor Powder: A Future Material for Solid State Lighting and Solar Cells. ACS Photonics, 2017, 4, 2613-2637.	3.2	219
17	The energy transfer phenomena and colour tunability in $\text{Y}_2\text{O}_3:\text{S:Eu}^{3+}/\text{Dy}^{3+}$ micro-fibers for white emission in solid state lighting applications. Dalton Transactions, 2014, 43, 9860-9871.	1.6	212
18	Medicinal importance of gallic acid and its ester derivatives: a patent review. Pharmaceutical Patent Analyst, 2015, 4, 305-315.	0.4	204

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19	Catalytic properties, functional attributes and industrial applications of Î²-glucosidases. 3 Biotech, 2016, 6, 3.	1.1	175
20	Recent Developments on 1,2,4-Triazole Nucleus in Anticancer Compounds: A Review. Anti-Cancer Agents in Medicinal Chemistry, 2016, 16, 465-489.	0.9	165
21	Role of film thickness on the properties of ZnO thin films grown by sol-gel method. Thin Solid Films, 2013, 539, 161-165.	0.8	152
22	Enhanced upconversion and temperature sensing study of Er ³⁺ /Yb ³⁺ codoped tungsten tellurite glass. Sensors and Actuators B: Chemical, 2014, 202, 1305-1312.	4.0	152
23	Synthesis of ZnO:TiO ₂ nanocomposites for photocatalyst application in visible light. Vacuum, 2019, 160, 154-163.	1.6	149
24	Tunable and white emission from ZnO:Tb ³⁺ nanophosphors for solid state lighting applications. Chemical Engineering Journal, 2014, 255, 541-552.	6.6	146
25	AgNO ₃ - a potential regulator of ethylene activity and plant growth modulator. Electronic Journal of Biotechnology, 2009, 12, 0-0.	1.2	134
26	Radiation resistance: Cancer stem cells (CSCs) and their enigmatic pro-survival signaling. Seminars in Cancer Biology, 2015, 35, 39-44.	4.3	131
27	Assessment of heavy-metal pollution in three different Indian water bodies by combination of multivariate analysis and water pollution indices. Human and Ecological Risk Assessment (HERA), 2020, 26, 1-16.	1.7	131
28	Optical and Photocatalytic Properties of Heavily F ²⁺ -Doped SnO ₂ Nanocrystals by a Novel Single-Source Precursor Approach. Inorganic Chemistry, 2011, 50, 5637-5645.	1.9	130
29	Purification and Characterization of a Novel and Robust L-Asparaginase Having Low-Glutaminase Activity from Bacillus licheniformis: In Vitro Evaluation of Anti-Cancerous Properties. PLoS ONE, 2014, 9, e99037.	1.1	125
30	Multimetal tolerance mechanisms in bacteria: The resistance strategies acquired by bacteria that can be exploited to "clean-up" heavy metal contaminants from water. Aquatic Toxicology, 2019, 212, 1-10.	1.9	125
31	Biodiversity of Endophytic Fungi from Diverse Niches and Their Biotechnological Applications. Fungal Biology, 2019, , 105-144.	0.3	125
32	Nonsampled shearlet based CT and MR medical image fusion using biologically inspired spiking neural network. Biomedical Signal Processing and Control, 2015, 18, 91-101.	3.5	124
33	Amelioration of drought stress in Foxtail millet (Setaria italica L.) by P-solubilizing drought-tolerant microbes with multifarious plant growth promoting attributes. Environmental Sustainability, 2020, 3, 23-34.	1.4	123
34	Alleviation of Drought Stress and Plant Growth Promotion by Pseudomonas libanensis EU-LWNA-33, a Drought-Adaptive Phosphorus-Solubilizing Bacterium. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2020, 90, 785-795.	0.4	120
35	Detection of myocardial infarction in 12 lead ECG using support vector machine. Applied Soft Computing Journal, 2018, 64, 138-147.	4.1	119
36	Microbe-mediated alleviation of drought stress and acquisition of phosphorus in great millet (Sorghum bicolor L.) by drought-adaptive and phosphorus-solubilizing microbes. Biocatalysis and Agricultural Biotechnology, 2020, 23, 101501.	1.5	119

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37	Structural, Transport and Optical Properties of Boron-doped Zinc Oxide Nanocrystalline. Journal of Materials Science and Technology, 2011, 27, 481-488.	5.6	117
38	Root exudates ameliorate cadmium tolerance in plants: A review. Environmental Chemistry Letters, 2020, 18, 1243-1275.	8.3	114
39	Resistance against various fungal pathogens and reniform nematode in transgenic cotton plants expressing Arabidopsis NPR1. Transgenic Research, 2010, 19, 959-975.	1.3	113
40	Biodiversity, current developments and potential biotechnological applications of phosphorus-solubilizing and -mobilizing microbes: A review. Pedosphere, 2021, 31, 43-75.	2.1	113
41	Sustainable synthesis of single crystalline sulphur-doped graphene quantum dots for bioimaging and beyond. Green Chemistry, 2018, 20, 4245-4259.	4.6	112
42	Potassium in plants: Growth regulation, signaling, and environmental stress tolerance. Plant Physiology and Biochemistry, 2022, 172, 56-69.	2.8	109
43	Effect of annealing on the structural, morphological and photoluminescence properties of ZnO thin films prepared by spin coating. Journal of Colloid and Interface Science, 2014, 428, 8-15.	5.0	107
44	A critical review on toxicity of cobalt and its bioremediation strategies. SN Applied Sciences, 2020, 2, 1.	1.5	107
45	Beneficial Plant-Microbes Interactions: Biodiversity of Microbes from Diverse Extreme Environments and Its Impact for Crop Improvement. , 2017, , 543-580.		106
46	Efficient production of L-asparaginase from Bacillus licheniformis with low-glutaminase activity: Optimization, scale up and acrylamide degradation studies. Bioresource Technology, 2012, 125, 11-16.	4.8	105
47	Effect of Eu doping on the photoluminescence properties of ZnO nanophosphors for red emission applications. Applied Surface Science, 2014, 308, 419-430.	3.1	105
48	Structural, optical and photoluminescence properties of Eu 3+ doped ZnO nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 182, 42-49.	2.0	105
49	Biodiversity of the Genus Penicillium in Different Habitats. , 2018, , 3-18.		105
50	COVID-19-mandated social restrictions unveil the impact of social time pressure on sleep and body clock. Scientific Reports, 2020, 10, 22225.	1.6	105
51	Pre-sowing Seed Treatment with 24-Epibrassinolide Ameliorates Pesticide Stress in Brassica juncea L. through the Modulation of Stress Markers. Frontiers in Plant Science, 2016, 7, 1569.	1.7	104
52	Nitric oxide-mediated regulation of oxidative stress in plants under metal stress: a review on molecular and biochemical aspects. Physiologia Plantarum, 2020, 168, 318-344.	2.6	102
53	Water retention and dye adsorption behavior of Gg-cl-poly(acrylic acid-aniline) based conductive hydrogels. Geoderma, 2014, 232-234, 45-55.	2.3	100
54	Probing Gallic Acid for Its Broad Spectrum Applications. Mini-Reviews in Medicinal Chemistry, 2018, 18, 1283-1293.	1.1	100

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55	An assessment of data formats for layered manufacturing. <i>Advances in Engineering Software</i> , 1997, 28, 151-164.	1.8	99
56	The role of surface and deep-level defects on the emission of tin oxide quantum dots. <i>Nanotechnology</i> , 2014, 25, 135701.	1.3	99
57	Recent developments on the structure-activity relationship studies of MAO inhibitors and their role in different neurological disorders. <i>RSC Advances</i> , 2016, 6, 42660-42683.	1.7	98
58	Isolation of phytase-producing bacteria from Himalayan soils and their effect on growth and phosphorus uptake of Indian mustard (<i>Brassica juncea</i>). <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1361-1369.	1.7	97
59	Endophytic Microbes from Diverse Wheat Genotypes and Their Potential Biotechnological Applications in Plant Growth Promotion and Nutrient Uptake. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020, 90, 969-979.	0.4	97
60	Nonlinear optical properties of erbium doped zinc oxide (EZO) thin films. <i>Optics Communications</i> , 2012, 285, 2182-2188.	1.0	92
61	Citrus Limonin and Its Glucoside Inhibit Colon Adenocarcinoma Cell Proliferation through Apoptosis. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2314-2323.	2.4	87
62	Impact assessment of metal contamination in surface water of Sutlej River (India) on human health risks. <i>Environmental Pollution</i> , 2020, 265, 114907.	3.7	87
63	Evolution of Sustainability as Marketing Strategy: Beginning of New Era. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 37, 482-489.	0.5	86
64	Evaluation of Phytase Producing Bacteria for Their Plant Growth Promoting Activities. <i>International Journal of Microbiology</i> , 2014, 2014, 1-7.	0.9	86
65	Metal/Metalloid-Based Nanomaterials for Plant Abiotic Stress Tolerance: An Overview of the Mechanisms. <i>Plants</i> , 2022, 11, 316.	1.6	85
66	Defense-related gene expression and enzyme activities in transgenic cotton plants expressing an endochitinase gene from <i>Trichoderma virens</i> in response to interaction with <i>Rhizoctonia solani</i> . <i>Planta</i> , 2009, 230, 277-291.	1.6	83
67	Feature-Motivated Simplified Adaptive PCNN-Based Medical Image Fusion Algorithm in NSST Domain. <i>Journal of Digital Imaging</i> , 2016, 29, 73-85.	1.6	83
68	Production of biodiesel and bioethanol using algal biomass harvested from fresh water river. <i>Renewable Energy</i> , 2018, 116, 606-612.	4.3	83
69	A review of ecological risk assessment and associated health risks with heavy metals in sediment from India. <i>International Journal of Sediment Research</i> , 2020, 35, 516-526.	1.8	83
70	Approaches towards the synthesis of 5-aminopyrazoles. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 179-197.	1.3	80
71	Synthesis and properties of poly(acrylamide-aniline)-grafted gum ghatti based nanospikes. <i>RSC Advances</i> , 2013, 3, 25830.	1.7	80
72	Multifunctional β -Cyclodextrin-EDTA-Chitosan polymer adsorbent synthesis for simultaneous removal of heavy metals and organic dyes from wastewater. <i>Environmental Pollution</i> , 2022, 292, 118447.	3.7	80

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73	Pharmacological inhibition of complement C5a receptor signalling ameliorates disease pathology in the hSOD1 ^{G93A} mouse model of amyotrophic lateral sclerosis. <i>British Journal of Pharmacology</i> , 2017, 174, 689-699.	2.7	79
74	Zn ²⁺ substituted superparamagnetic MgFe ₂ O ₄ spinel-ferrites: Investigations on structural and spin-interactions. <i>Journal of Advanced Ceramics</i> , 2020, 9, 576-587.	8.9	79
75	Î ² -Propeller phytases: Diversity, catalytic attributes, current developments and potential biotechnological applications. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 595-609.	3.6	77
76	Castasterone and citric acid treatment restores photosynthetic attributes in <i>Brassica juncea</i> L. under Cd(II) toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 466-475.	2.9	77
77	Potentially toxic elements contamination in surface sediment and indigenous aquatic macrophytes of the Bahmanshir River, Iran: Appraisal of phytoremediation capability. <i>Chemosphere</i> , 2021, 285, 131446.	4.2	76
78	Drought-Tolerant Phosphorus-Solubilizing Microbes: Biodiversity and Biotechnological Applications for Alleviation of Drought Stress in Plants. <i>Microorganisms for Sustainability</i> , 2019, , 255-308.	0.4	76
79	Food irradiation: Effect of ionizing and non-ionizing radiations on preservation of fruits and vegetablesâ€“ a review. <i>Trends in Food Science and Technology</i> , 2021, 114, 372-385.	7.8	75
80	Sustainability Marketing Strategy: An Analysis of Recent Literature. <i>Global Business Review</i> , 2013, 14, 601-625.	1.6	73
81	Doped zinc oxide window layers for dye sensitized solar cells. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	73
82	Expression of apoplastically secreted tobacco osmotin in cotton confers drought tolerance. <i>Molecular Breeding</i> , 2009, 23, 625-639.	1.0	72
83	Photosensitizing activity of ferrocenyl bearing Ni(ii) and Cu(ii) dithiocarbamates in dye sensitized TiO ₂ solar cells. <i>Dalton Transactions</i> , 2014, 43, 4752.	1.6	72
84	Differential distribution of amino acids in plants. <i>Amino Acids</i> , 2017, 49, 821-869.	1.2	72
85	Synthesis and characterization of Er ³⁺ -Yb ³⁺ doped ZnO upconversion nanoparticles for solar cell application. <i>Journal of Alloys and Compounds</i> , 2018, 766, 429-435.	2.8	72
86	Jasmonic Acid Seed Treatment Stimulates Insecticide Detoxification in <i>Brassica juncea</i> L.. <i>Frontiers in Plant Science</i> , 2018, 9, 1609.	1.7	71
87	Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents. <i>PLoS ONE</i> , 2018, 13, e0196016.	1.1	71
88	Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-4-phenyl-3-trifluoromethylpyrazoles. <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 922-927.	2.6	70
89	The Potential Application of Endophytes in Management of Stress from Drought and Salinity in Crop Plants. <i>Microorganisms</i> , 2021, 9, 1729.	1.6	70
90	Influence of sol concentration on CdO nanostructure with gas sensing application. <i>Applied Surface Science</i> , 2017, 409, 8-16.	3.1	69

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91	Soil Science Challenges in a New Era: A Transdisciplinary Overview of Relevant Topics. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212097749.	1.2	69
92	Effect of Br ⁺⁶ ions on the structural, morphological and luminescent properties of ZnO/Si thin films. <i>Applied Surface Science</i> , 2013, 279, 472-478.	3.1	68
93	Kinetic Characterization and Effect of Immobilized Thermostable α -Glucosidase in Alginate Gel Beads on Sugarcane Juice. , 2014, 2014, 1-8.		68
94	Castasterone attenuates insecticide induced phytotoxicity in mustard. <i>Ecotoxicology and Environmental Safety</i> , 2019, 179, 50-61.	2.9	68
95	Synthesis and biodegradation studies of gamma irradiated electrically conductive hydrogels. <i>Polymer Degradation and Stability</i> , 2014, 107, 166-177.	2.7	67
96	Microbiome in Crops: Diversity, Distribution, and Potential Role in Crop Improvement. , 2018, , 305-332.		67
97	Phytoavailability and human risk assessment of heavy metals in soils and food crops around Sutlej river, India. <i>Chemosphere</i> , 2021, 263, 128321.	4.2	67
98	Accumulation and Translocation of Metals in Soil and Different Parts of French Bean (<i>Phaseolus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 2014, 92, 103-108.	1.3	66
99	Brassinosteroid-mediated pesticide detoxification in plants: A mini-review. <i>Cogent Food and Agriculture</i> , 2018, 4, 1436212.	0.6	66
100	An unusual, mild and convenient one-pot two-step access to (E)-stilbenes from hydroxy-substituted benzaldehydes and phenylacetic acids under microwave activation: a new facet of the classical Perkin reaction. <i>Tetrahedron</i> , 2007, 63, 11070-11077.	1.0	65
101	Ecological risk assessment and source apportionment of heavy metal contamination in agricultural soils of Northeastern Iran. <i>International Journal of Environmental Health Research</i> , 2019, 29, 544-560.	1.3	65
102	Graphene oxide-manganese ferrite (GO-MnFe ₂ O ₄) nanocomposite: One-pot hydrothermal synthesis and its use for adsorptive removal of Pb ²⁺ ions from aqueous medium. <i>Journal of Molecular Liquids</i> , 2020, 315, 113769.	2.3	65
103	Synthesis of Biodegradable α -Gum ghatti Based Poly(methacrylic acid-aniline) Conducting IPN Hydrogel for Controlled Release of Amoxicillin Trihydrate. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1982-1991.	1.8	64
104	Trifluoromethylpyrazoles as anti-inflammatory and antibacterial agents: A review. <i>Journal of Fluorine Chemistry</i> , 2015, 178, 306-326.	0.9	64
105	Preclinical Pharmacokinetics of Complement C5a Receptor Antagonists PMX53 and PMX205 in Mice. <i>ACS Omega</i> , 2020, 5, 2345-2354.	1.6	64
106	Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-3H/4-methyl-4-phenylpyrazoles. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 1785-1791.	1.4	63
107	Influence of ultrasonication times on the tunable colour emission of ZnO nanophosphors for lighting applications. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1549-1556.	3.8	63
108	HumCFS: a database of fragile sites in human chromosomes. <i>BMC Genomics</i> , 2019, 19, 985.	1.2	63

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109	CSEF: Cloud-Based Secure and Efficient Framework for Smart Medical System Using ECC. IEEE Access, 2020, 8, 107838-107852.	2.6	63
110	Nano-Structured Dilute Magnetic Semiconductors for Efficient Spintronics at Room Temperature. Magnetochemistry, 2020, 6, 15.	1.0	63
111	A new health care system enabled by machine intelligence: Elderly people's trust or losing self control. Technological Forecasting and Social Change, 2021, 162, 120334.	6.2	63
112	Fertigation effect of distillery effluent on agronomical practices of Trigonella foenum-graecum L. (Fenugreek). Environmental Monitoring and Assessment, 2012, 184, 1207-1219.	1.3	62
113	Swift heavy ion irradiation induced modification in structural, optical and luminescence properties of Y2O3:Tb3+ nanophosphor. Journal of Luminescence, 2014, 146, 162-173.	1.5	62
114	24-epibrassinolide stimulates imidacloprid detoxification by modulating the gene expression of Brassica juncea L. BMC Plant Biology, 2017, 17, 56.	1.6	62
115	Distillery effluent as a potential medium for bacterial cellulose production: A biopolymer of great commercial importance. Bioresource Technology, 2018, 250, 922-926.	4.8	62
116	Examining consumer-brand relationships on social media platforms. Marketing Intelligence and Planning, 2018, 36, 63-78.	2.1	62
117	Understanding the binding affinity of noscapines with protease of SARS-CoV-2 for COVID-19 using MD simulations at different temperatures. Journal of Biomolecular Structure and Dynamics, 2021, 39, 2659-2672.	2.0	61
118	A Computationally Efficient and Scalable Key Management Scheme for Access Control of Media Delivery in Digital Pay-TV Systems. Multimedia Tools and Applications, 2021, 80, 1-34.	2.6	61
119	Synthesis, characterization and water retention study of biodegradable Gum ghatti-poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 100	2.7	60
120	Sputtering based synthesis of CuO nanoparticles and their structural, thermal and optical studies. Materials Science in Semiconductor Processing, 2018, 76, 55-60.	1.9	60
121	Softening of phonons by lattice defects and structural strain in heavy ion irradiated nanocrystalline zinc oxide films. Journal of Applied Physics, 2011, 110, .	1.1	59
122	Ionic liquid-controlled J- versus H-aggregation of cyanine dyes. Chemical Communications, 2011, 47, 4730.	2.2	59
123	Investigation of cation (Sn2+) and anion (N3âˆ”) substitution in favor of visible light photocatalytic activity in the layered perovskite K2La2Ti3O10. Journal of Hazardous Materials, 2011, 189, 502-508.	6.5	59
124	An Efficient Mutual Authentication Framework for Healthcare System in Cloud Computing. Journal of Medical Systems, 2018, 42, 142.	2.2	59
125	Role of silver doping on the defects related photoluminescence and antibacterial behaviour of zinc oxide nanoparticles. Colloids and Surfaces B: Biointerfaces, 2017, 159, 191-199.	2.5	58
126	Synthesis and biological evaluation of pyrimidine bridged combretastatin derivatives as potential anticancer agents and mechanistic studies. Bioorganic Chemistry, 2018, 78, 130-140.	2.0	58

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127	Prediction of Cell-Penetrating Potential of Modified Peptides Containing Natural and Chemically Modified Residues. <i>Frontiers in Microbiology</i> , 2018, 9, 725.	1.5	58
128	Contribution of microbial phytases to the improvement of plant growth and nutrition: A review. <i>Pedosphere</i> , 2020, 30, 295-313.	2.1	58
129	Graphitic bio-char and bio-oil synthesis via hydrothermal carbonization-co-liquefaction of microalgae biomass (oiled/de-oiled) and multiple heavy metals remediations. <i>Journal of Hazardous Materials</i> , 2021, 409, 124987.	6.5	57
130	Synthesis of EDTA-functionalized graphene oxide-chitosan nanocomposite for simultaneous removal of inorganic and organic pollutants from complex wastewater. <i>Chemosphere</i> , 2022, 287, 132385.	4.2	57
131	Effect of Chromium(VI) Toxicity on Enzymes of Nitrogen Metabolism in Clusterbean (<i>Cyamopsis</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	56
132	Promising Targets in Anti-cancer Drug Development: Recent Updates. <i>Current Medicinal Chemistry</i> , 2018, 24, 4729-4752.	1.2	56
133	Dipropargyl substituted diphenylpyrimidines as dual inhibitors of monoamine oxidase and acetylcholinesterase. <i>European Journal of Medicinal Chemistry</i> , 2019, 177, 221-234.	2.6	56
134	PALK: Password-based anonymous lightweight key agreement framework for smart grid. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 121, 106121.	3.3	56
135	Optical and surface enhanced Raman scattering properties of Au nanoparticles embedded in and located on a carbonaceous matrix. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2468-2480.	1.3	55
136	Temporal distribution, source apportionment, and pollution assessment of metals in the sediments of Beas river, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018, 24, 2162-2181.	1.7	55
137	Effect of catalyst and temperature on the quality and productivity of HTL bio-oil from microalgae: A review. <i>Renewable Energy</i> , 2021, 174, 810-822.	4.3	55
138	Unique Versatility of Ionic Liquids as Clean Decarboxylation Catalyst Cum Solvent: A Metal- and Quinoline-free Paradigm towards Synthesis of Indoles, Styrenes, Stilbenes and Arene Derivatives under Microwave Irradiation in Aqueous Conditions. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2910-2920.	2.1	54
139	DDQ catalyzed benzylic acetoxylation of arylalkanes: a case of exquisitely controlled oxidation under sonochemical activation. <i>Tetrahedron</i> , 2007, 63, 9718-9723.	1.0	53
140	4,6-Diphenylpyrimidine Derivatives as Dual Inhibitors of Monoamine Oxidase and Acetylcholinesterase for the Treatment of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 252-265.	1.7	53
141	Mechanisms of Tubulin Binding Ligands to Target Cancer Cells: Updates on their Therapeutic Potential and Clinical Trials. <i>Current Cancer Drug Targets</i> , 2017, 17, 357-375.	0.8	53
142	Multimodality medical image fusion based on new features in NSST domain. <i>Biomedical Engineering Letters</i> , 2014, 4, 414-424.	2.1	52
143	The role of oxygen and titanium related defects on the emission of TiO ₂ :Tb ³⁺ nano-phosphor for blue lighting applications. <i>Optical Materials</i> , 2015, 46, 510-516.	1.7	52
144	Water quality assessment of river Beas, India, using multivariate and remote sensing techniques. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 137.	1.3	52

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145	Assessment of heavy metals uptake by cauliflower (<i>Brassica oleracea</i> var. botrytis) grown in integrated industrial effluent irrigated soils: A prediction modeling study. <i>Scientia Horticulturae</i> , 2019, 257, 108682.	1.7	52
146	Bioethanol production from sesame (<i>Sesamum indicum</i> L.) plant residue by combined physical, microbial and chemical pretreatments. <i>Bioresource Technology</i> , 2020, 297, 122484.	4.8	52
147	The reaction of hydroxylamine with aryl trifluoromethyl- α,β -diketones: Synthesis of 5-hydroxy-5-trifluoromethyl- α,β -isoxazolines and their dehydration to 5-trifluoromethylisoxazoles. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 880-888.	0.9	51
148	Production of Microbial Cellulose by a Bacterium Isolated from Fruit. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1157-1171.	1.4	51
149	Intermolecular anagostic interactions in group 10 metal dithiocarbamates. <i>CrystEngComm</i> , 2014, 16, 9299-9307.	1.3	51
150	Synergistic effect of 24-epibrassinolide and salicylic acid on photosynthetic efficiency and gene expression in <i>Brassica juncea</i> L. under Pb stress. <i>Turkish Journal of Biology</i> , 2017, 41, 943-953.	2.1	51
151	Phosphor Polymer Nanocomposite: ZnO:Tb ³⁺ Embedded Polystyrene Nanocomposite Thin Films for Solid-State Lighting Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 977-988.	2.4	51
152	Spatial distribution and potential ecological risk assessment of heavy metals in agricultural soils of Northeastern Iran. , 2020, 4, 87-103.		51
153	Small-scale phyco-mitigation of raw urban wastewater integrated with biodiesel production and its utilization for aquaculture. <i>Bioresource Technology</i> , 2020, 297, 122489.	4.8	51
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