

Vijai Kumar Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

260
papers

12,431
citations

19608

61
h-index

40881

93
g-index

341
all docs

341
docs citations

341
times ranked

13319
citing authors

#	ARTICLE	IF	CITATIONS
1	Valorisation of algal biomass to value-added metabolites: emerging trends and opportunities. <i>Phytochemistry Reviews</i> , 2023, 22, 1015-1040.	3.1	20
2	Targeting STAT3 signaling pathway in cancer by agents derived from Mother Nature. <i>Seminars in Cancer Biology</i> , 2022, 80, 157-182.	4.3	92
3	Microbial biodiesel production from lignocellulosic biomass: New insights and future challenges. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2197-2225.	6.6	37
4	Microbial polysaccharides: An emerging family of natural biomaterials for cancer therapy and diagnostics. <i>Seminars in Cancer Biology</i> , 2022, 86, 706-731.	4.3	14
5	Microbial cancer therapeutics: A promising approach. <i>Seminars in Cancer Biology</i> , 2022, 86, 931-950.	4.3	10
6	Integrated process approach for degradation of p-cresol pollutant under photocatalytic reactor using activated carbon/TiO ₂ nanocomposite: application in wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 61811-61820.	2.7	8
7	Biohydrogen production via integrated sequential fermentation using magnetite nanoparticles treated crude enzyme to hydrolyze sugarcane bagasse. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 30861-30871.	3.8	18
8	Microbial cell factories a new dimension in bio-nanotechnology: exploring the robustness of nature. <i>Critical Reviews in Microbiology</i> , 2022, 48, 397-427.	2.7	5
9	Synthesis of oligosaccharides with prebiotic potential by crude enzyme preparation from <i>Bifidobacterium</i> . <i>Food Chemistry</i> , 2022, 367, 130696.	4.2	4
10	Lead removal from synthetic wastewater by biosorbents prepared from seeds of <i>Artocarpus Heterophyllus</i> and <i>Syzygium Cumini</i> . <i>Chemosphere</i> , 2022, 287, 132016.	4.2	24
11	Biotechnological and industrial applications of <i>Streptomyces</i> metabolites. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 244-264.	1.9	11
12	Enhancement of the enzymatic hydrolysis efficiency of wheat bran using the <i>Bacillus</i> strains and their consortium. <i>Bioresource Technology</i> , 2022, 343, 126092.	4.8	25
13	Biological remediation technologies for dyes and heavy metals in wastewater treatment: New insight. <i>Bioresource Technology</i> , 2022, 343, 126154.	4.8	195
14	Bioethanol production from food wastes rich in carbohydrates. <i>Current Opinion in Food Science</i> , 2022, 43, 71-81.	4.1	57
15	Valorization of dairy waste and by-products through microbial bioprocesses. <i>Bioresource Technology</i> , 2022, 346, 126444.	4.8	43
16	Thermo-chemical potential of solid waste seed biomass obtained from plant <i>Phoenix dactylifera</i> and <i>Aegle marmelos</i> L. Fruit core cell. <i>Bioresource Technology</i> , 2022, 345, 126441.	4.8	16
17	Special issue <i>Microbes in Cancer Research in 'Seminar in Cancer Biology' 2021</i> . <i>Seminars in Cancer Biology</i> , 2022, , .	4.3	0
18	Valorization of sugar beet pulp to value-added products: A review. <i>Bioresource Technology</i> , 2022, 346, 126580.	4.8	40

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19	Impact of mixed lignocellulosic substrate and fungal consortia to enhance cellulase production and its application in NiFe ₂ O ₄ nanoparticles mediated enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 2022, 345, 126560.	4.8	8
20	Energetic sustainability analysis of municipal solid waste treatment systems: A systematic critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111975.	8.2	69
21	Graphene oxide mediated enhanced cellulase production using pomegranate waste following co-cultured condition with improved pH and thermal stability. <i>Fuel</i> , 2022, 312, 122807.	3.4	9
22	Sugar beet pulp: Resurgence and trailblazing journey towards a circular bioeconomy. <i>Fuel</i> , 2022, 312, 122953.	3.4	24
23	Corn-cob-based biorefinery: A comprehensive review of pretreatment methodologies, and biorefinery platforms. <i>Journal of the Energy Institute</i> , 2022, 101, 290-308.	2.7	22
24	Microbes in valorisation of biomass to value-added products. <i>Bioresource Technology</i> , 2022, 347, 126738.	4.8	3
25	Synthesis and characterisation of zinc oxide modified biorenewable polysaccharides based sustainable hydrogel nanocomposite for Hg ²⁺ ion removal: Towards a circular bioeconomy. <i>Bioresource Technology</i> , 2022, 348, 126708.	4.8	20
26	Multifaceted application of microalgal biomass integrated with carbon dioxide reduction and wastewater remediation: A flexible concept for sustainable environment. <i>Journal of Cleaner Production</i> , 2022, 339, 130654.	4.6	32
27	Tailored enzymes as next-generation food-packaging tools. <i>Trends in Biotechnology</i> , 2022, 40, 1004-1017.	4.9	10
28	Waste biomass based potential bioadsorbent for lead removal from simulated wastewater. <i>Bioresource Technology</i> , 2022, 349, 126843.	4.8	16
29	Brewer's spent grains-based biorefineries: A critical review. <i>Fuel</i> , 2022, 317, 123435.	3.4	20
30	Immunity elicitors for induced resistance against the downy mildew pathogen in pearl millet. <i>Scientific Reports</i> , 2022, 12, 4078.	1.6	10
31	Special Issue "Microbial glycobotechnology". <i>Microbial Cell Factories</i> , 2022, 21, 54.	1.9	1
32	Sustainable production of algae-bacteria granular consortia based biological hydrogen: New insights. <i>Bioresource Technology</i> , 2022, 352, 127036.	4.8	14
33	Environmental life cycle assessment of biodiesel production from waste cooking oil: A systematic review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112411.	8.2	73
34	Advances in Hydrogel-Based Microfluidic Blood-Brain-Barrier Models in Oncology Research. <i>Pharmaceutics</i> , 2022, 14, 993.	2.0	12
35	Acid tolerant multicomponent bacterial enzymes production enhancement under the influence of corn cob waste substrate. <i>International Journal of Food Microbiology</i> , 2022, 373, 109698.	2.1	0
36	Machine learning predicts and optimizes hydrothermal liquefaction of biomass. <i>Chemical Engineering Journal</i> , 2022, 445, 136579.	6.6	73

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37	Enhanced biogas production potential analysis of rice straw: Biomass characterization, kinetics and anaerobic co-digestion investigations. <i>Bioresource Technology</i> , 2022, 358, 127391.	4.8	15
38	Biobased biorefineries: Sustainable bioprocesses and bioproducts from biomass/bioresources special issue. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112683.	8.2	12
39	Second-generation bioethanol production from corn cob – A comprehensive review on pretreatment and bioconversion strategies, including techno-economic and lifecycle perspective. <i>Industrial Crops and Products</i> , 2022, 186, 115245.	2.5	40
40	Analysis of macrofungal communities reveals a complex reciprocal influence between Mediterranean montane calcareous grassland and surrounding forest habitats. <i>Journal of Systematics and Evolution</i> , 2021, 59, 278-288.	1.6	1
41	Pretreatment of lignocelluloses for enhanced biogas production: A review on influencing mechanisms and the importance of microbial diversity. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110173.	8.2	128
42	uCARE Chem Suite and uCAREChemSuiteCLI: Tools for bacterial resistome prediction. <i>Genes and Diseases</i> , 2021, 8, 721-729.	1.5	0
43	Multifaceted roles of microalgae in the application of wastewater biotreatment: A review. <i>Environmental Pollution</i> , 2021, 269, 116236.	3.7	231
44	In situ fabrication of electrically conducting bacterial cellulose-polyaniline-titanium-dioxide composites with the immobilization of <i>Shewanella xiamenensis</i> and its application as bioanode in microbial fuel cell. <i>Fuel</i> , 2021, 285, 119259.	3.4	29
45	Titania modified gum tragacanth based hydrogel nanocomposite for water remediation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104608.	3.3	94
46	Polyhydroxyalkanoate (PHA) Production Using Volatile Fatty Acids Derived from the Anaerobic Digestion of Waste Paper. <i>Journal of Polymers and the Environment</i> , 2021, 29, 250-259.	2.4	47
47	Genome-based engineering of ligninolytic enzymes in fungi. <i>Microbial Cell Factories</i> , 2021, 20, 20.	1.9	29
48	Rhamnolipid the Glycolipid Biosurfactant: Emerging trends and promising strategies in the field of biotechnology and biomedicine. <i>Microbial Cell Factories</i> , 2021, 20, 1.	1.9	161
49	Biosafe sustainable antimicrobial encapsulation and coatings for targeted treatment and infections prevention: Preparation for another pandemic. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100074.	2.9	9
50	Advances in the Structural Composition of Biomass: Fundamental and Bioenergy Applications. <i>Journal of Renewable Materials</i> , 2021, 9, 615-636.	1.1	11
51	Valorization of fruits and vegetable wastes and by-products to produce natural pigments. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 535-563.	5.1	122
52	Bioprocessing of waste biomass for sustainable product development and minimizing environmental impact. <i>Bioresource Technology</i> , 2021, 322, 124548.	4.8	113
53	Green Synthesis of Silver Nanoparticles by <i>Cytobacillus firmus</i> Isolated from the Stem Bark of <i>Terminalia arjuna</i> and Their Antimicrobial Activity. <i>Biomolecules</i> , 2021, 11, 259.	1.8	31
54	Fungal Genomic Resources for Strain Identification and Diversity Analysis of 1900 Fungal Species. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 288.	1.5	4

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55	Biohydrogen production using kitchen waste as the potential substrate: A sustainable approach. <i>Chemosphere</i> , 2021, 271, 129537.	4.2	48
56	Bio-Based Formulations for Sustainable Applications in Agri-Food-Pharma. <i>Biomolecules</i> , 2021, 11, 768.	1.8	2
57	Tapping Into Actinobacterial Genomes for Natural Product Discovery. <i>Frontiers in Microbiology</i> , 2021, 12, 655620.	1.5	12
58	Isolation and purification of bioactive metabolites from an endophytic fungus <i>Penicillium citrinum</i> of <i>Azadirachta indica</i> . <i>South African Journal of Botany</i> , 2021, 139, 449-457.	1.2	12
59	Recent advances in essential oils-based metal nanoparticles: A review on recent developments and biopharmaceutical applications. <i>Journal of Molecular Liquids</i> , 2021, 333, 115951.	2.3	38
60	Effects of various polysaccharides (alginate, carrageenan, gums, chitosan) and their combination with prebiotic saccharides (resistant starch, lactosucrose, lactulose) on the encapsulation of probiotic bacteria <i>Lactobacillus casei</i> 01 strain. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1136-1144.	3.6	60
61	An Insight into Probiotics Bio-Route: Translocation from the Mother's Gut to the Mammary Gland. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7247.	1.3	13
62	Minimizing hazardous impact of food waste in a circular economy – Advances in resource recovery through green strategies. <i>Journal of Hazardous Materials</i> , 2021, 416, 126154.	6.5	50
63	Lignocellulosic biorefineries: The current state of challenges and strategies for efficient commercialization. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111258.	8.2	137
64	Sustainability assessment of sugarcane residues valorization to biobutadiene by exergy and exergoeconomic evaluation. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 147, 111214.	8.2	14
65	Studies on Zero-cost algae based phytoremediation of dye and heavy metal from simulated wastewater. <i>Bioresource Technology</i> , 2021, 342, 125971.	4.8	9
66	Thrombolytic Enzymes of Microbial Origin: A Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10468.	1.8	12
67	Bioinspired synthesis of iron-based nanomaterials for application in biofuels production: A new in-sight. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 147, 111206.	8.2	18
68	Exergoenvironmental analysis of bioenergy systems: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111399.	8.2	174
69	Technological advances for improving fungal cellulase production from fruit wastes for bioenergy application: A review. <i>Environmental Pollution</i> , 2021, 287, 117370.	3.7	24
70	Integrated biohydrogen production via lignocellulosic waste: Opportunity, challenges & future prospects. <i>Bioresource Technology</i> , 2021, 338, 125511.	4.8	67
71	Nickel ferrite nanoparticles induced improved fungal cellulase production using residual algal biomass and subsequent hydrogen production following dark fermentation. <i>Fuel</i> , 2021, 304, 121391.	3.4	35
72	Low-cost biochar adsorbents prepared from date and delonix regia seeds for heavy metal sorption. <i>Bioresource Technology</i> , 2021, 339, 125606.	4.8	60

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73	Lignocellulosic composition based thermal kinetic study of <i>Mangifera indica</i> Lam, <i>Artocarpus Heterophyllus</i> Lam and <i>Syzygium Jambolana</i> seeds. <i>Bioresource Technology</i> , 2021, 341, 125891.	4.8	16
74	Evaluation of enhanced production of cellulose deconstructing enzyme using natural and alkali pretreated sugar cane bagasse under the influence of graphene oxide. <i>Bioresource Technology</i> , 2021, 342, 126015.	4.8	13
75	Biogenic enabled in-vitro synthesis of nickel cobaltite nanoparticle and its application in single stage hybrid biohydrogen production. <i>Bioresource Technology</i> , 2021, 342, 126006.	4.8	11
76	Co-fermentation of residual algal biomass and glucose under the influence of Fe ₃ O ₄ nanoparticles to enhance biohydrogen production under dark mode. <i>Bioresource Technology</i> , 2021, 342, 126034.	4.8	22
77	Improvement of biomass production by <i>Lactobacillus reuteri</i> using double-carbon source cultivation strategy. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	2
78	Metabolite Profiling of <i>Alangium salviifolium</i> Bark Using Advanced LC/MS and GC/Q-TOF Technology. <i>Cells</i> , 2021, 10, 1.	1.8	76
79	Recent Advancements in the Technologies Detecting Food Spoiling Agents. <i>Journal of Functional Biomaterials</i> , 2021, 12, 67.	1.8	7
80	Ovalbumin production without poultry. <i>Nature Food</i> , 2021, 2, 924-925.	6.2	2
81	Sustainable green approach to synthesize Fe ₃ O ₄ /Fe ₂ O ₃ nanocomposite using waste pulp of <i>Syzygium cumini</i> and its application in functional stability of microbial cellulases. <i>Scientific Reports</i> , 2021, 11, 24371.	1.6	10
82	Implications of plant growth promoting <i>Klebsiella</i> sp. CPSB4 and <i>Enterobacter</i> sp. CPSB49 in luxuriant growth of tomato plants under chromium stress. <i>Chemosphere</i> , 2020, 240, 124944.	4.2	58
83	Endolichenic fungus, <i>Aspergillus quadrifidus</i> of <i>Usnea longissima</i> inhibits quorum sensing and biofilm formation of <i>Pseudomonas aeruginosa</i> PAO1. <i>Microbial Pathogenesis</i> , 2020, 140, 103933.	1.3	15
84	Metagenome dataset of wheat rhizosphere from Ghazipur region of Eastern Uttar Pradesh. <i>Data in Brief</i> , 2020, 28, 105094.	0.5	8
85	Energy production from steam gasification processes and parameters that contemplate in biomass gasifier – A review. <i>Bioresource Technology</i> , 2020, 297, 122481.	4.8	93
86	Tackling COVID-19 pandemic through nanocoatings: Confront and exactitude. <i>Current Research in Green and Sustainable Chemistry</i> , 2020, 3, 100011.	2.9	59
87	Application of chitosan-based particles for deinking of printed paper and its bioethanol fermentation. <i>Fuel</i> , 2020, 280, 118570.	3.4	6
88	Molecular evidence supports simultaneous association of the achlorophyllous orchid <i>Chamaegastroidia inverta</i> with ectomycorrhizal <i>Ceratobasidiaceae</i> and <i>Russulaceae</i> . <i>BMC Microbiology</i> , 2020, 20, 236.	1.3	6
89	Mitigation of Salinity Stress in Wheat Seedlings Due to the Application of Phytohormone-Rich Culture Filtrate Extract of Methylophilic Actinobacterium <i>Nocardioides</i> sp. NIMMe6. <i>Frontiers in Microbiology</i> , 2020, 11, 2091.	1.5	29
90	Evaluation of spore inoculum and confirmation of pathway genetic blueprint of T13H and DBAT from a Taxol-producing endophytic fungus. <i>Scientific Reports</i> , 2020, 10, 21139.	1.6	9

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91	Synchronised regulation of disease resistance in primed finger millet plants against the blast disease. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 27, e00484.	2.1	6
92	Comparative analysis of ROS-scavenging gene families in finger millet, rice, sorghum, and foxtail millet revealed potential targets for antioxidant activity and drought tolerance improvement. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2020, 9, 1.	1.2	6
93	Enhance production of fungal cellulase cocktail using cellulosic waste. <i>Environmental Technology and Innovation</i> , 2020, 19, 100949.	3.0	16
94	Microbial inoculation in rice regulates antioxidative reactions and defense related genes to mitigate drought stress. <i>Scientific Reports</i> , 2020, 10, 4818.	1.6	73
95	The Biomolecular Spectrum Drives Microbial Biology and Functions in Agri-Food-Environments. <i>Biomolecules</i> , 2020, 10, 401.	1.8	2
96	Stage-dependent concomitant microbial fortification improves soil nutrient status, plant growth, antioxidative defense system and gene expression in rice. <i>Microbiological Research</i> , 2020, 239, 126538.	2.5	26
97	Development of Biodegradable Agar-Agar/Gelatin-Based Superabsorbent Hydrogel as an Efficient Moisture-Retaining Agent. <i>Biomolecules</i> , 2020, 10, 939.	1.8	35
98	Sugar transporters from industrial fungi: Key to improving second-generation ethanol production. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 109991.	8.2	35
99	Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 109965.	8.2	63
100	New insights into the evolution of host specificity of three <i>Penicillium</i> species and the pathogenicity of <i>P. italicum</i> involving the infection of Valencia orange (<i>Citrus sinensis</i>). <i>Virulence</i> , 2020, 11, 748-768.	1.8	8
101	Advances in nanomaterials induced biohydrogen production using waste biomass. <i>Bioresource Technology</i> , 2020, 307, 123094.	4.8	99
102	Ionic liquid based pretreatment of lignocellulosic biomass for enhanced bioconversion. <i>Bioresource Technology</i> , 2020, 304, 123003.	4.8	257
103	The potential of arbuscular mycorrhizal fungi in C cycling: a review. <i>Archives of Microbiology</i> , 2020, 202, 1581-1596.	1.0	76
104	Engineered Microbes for Pigment Production Using Waste Biomass. <i>Current Genomics</i> , 2020, 21, 80-95.	0.7	31
105	Role of Bacterial-Fungal Consortium for Enhancement in the Degradation of Industrial Dyes. <i>Current Genomics</i> , 2020, 21, 283-294.	0.7	12
106	Strategies of Biotechnological Innovations Using <i>Trichoderma</i> . <i>Soil Biology</i> , 2020, , 325-350.	0.6	1
107	Cold Adapted Fungi from Indian Himalaya: Untapped Source for Bioprospecting. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 1125-1132.	0.4	18
108	Recent advances in plasmid-based tools for establishing novel microbial chassis. <i>Biotechnology Advances</i> , 2019, 37, 107433.	6.0	23

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109	Synergistic interaction of natamycin with carboxymethyl chitosan for controlling <i>Alternata alternara</i> , a cause of black spot rot in postharvest jujube fruit. <i>Postharvest Biology and Technology</i> , 2019, 156, 110919.	2.9	21
110	Re-addressing the biosafety issues of plant growth promoting rhizobacteria. <i>Science of the Total Environment</i> , 2019, 690, 841-852.	3.9	94
111	Enhancement of disease resistance, growth potential, and photosynthesis in tomato (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock strain BPSAC147. <i>PLoS ONE</i> , 2019, 14, e0219014.	1.1	44
112	Differential Susceptibility of Catheter Biomaterials to Biofilm-Associated Infections and Their Remedy by Drug-Encapsulated Eudragit RL100 Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5110.	1.8	19
113	Identification, characterization and expression profiles of <i>Fusarium udum</i> stress-responsive WRKY transcription factors in <i>Cajanus cajan</i> under the influence of NaCl stress and <i>Pseudomonas fluorescens</i> OKC. <i>Scientific Reports</i> , 2019, 9, 14344.	1.6	22
114	Current research in biotechnology: Exploring the biotech forefront. <i>Current Research in Biotechnology</i> , 2019, 1, 34-40.	1.9	17
115	Microbial saccharification of wheat bran for bioethanol fermentation. <i>Journal of Cleaner Production</i> , 2019, 240, 118269.	4.6	24
116	Progress toward improving ethanol production through decreased glycerol generation in <i>Saccharomyces cerevisiae</i> by metabolic and genetic engineering approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109353.	8.2	48
117	Antifungal Agents in Agriculture: Friends and Foes of Public Health. <i>Biomolecules</i> , 2019, 9, 521.	1.8	154
118	Metabolic Engineering to Synthetic Biology of Secondary Metabolites Production. , 2019, , 279-320.		46
119	Secretome Profiling Reveals Virulence-Associated Proteins of <i>Fusarium proliferatum</i> during Interaction with Banana Fruit. <i>Biomolecules</i> , 2019, 9, 246.	1.8	25
120	Microbial Beta Glucosidase Enzymes: Recent Advances in Biomass Conversation for Biofuels Application. <i>Biomolecules</i> , 2019, 9, 220.	1.8	84
121	Biofabrication of Zinc Oxide Nanoparticles With <i>Syzygium aromaticum</i> Flower Buds Extract and Finding Its Novel Application in Controlling the Growth and Mycotoxins of <i>Fusarium graminearum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1244.	1.5	58
122	A comparative evaluation towards the potential of <i>Klebsiella</i> sp. and <i>Enterobacter</i> sp. in plant growth promotion, oxidative stress tolerance and chromium uptake in <i>Helianthus annuus</i> (L.). <i>Journal of Hazardous Materials</i> , 2019, 377, 391-398.	6.5	49
123	Comparative genomic analysis of monosporidial and monoteliosporic cultures for unraveling the complexity of molecular pathogenesis of <i>Tilletia indica</i> pathogen of wheat. <i>Scientific Reports</i> , 2019, 9, 8185.	1.6	16
124	Integrated Transcriptomic, Proteomic, and Metabolomics Analysis Reveals Peel Ripening of Harvested Banana under Natural Condition. <i>Biomolecules</i> , 2019, 9, 167.	1.8	38
125	Targeting Heparanase in Cancer: Inhibition by Synthetic, Chemically Modified, and Natural Compounds. <i>IScience</i> , 2019, 15, 360-390.	1.9	81
126	Microbial engineering biotechnologies. <i>Biotechnology Advances</i> , 2019, 37, 107399.	6.0	6

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127	Cytosporone B as a Biological Preservative: Purification, Fungicidal Activity and Mechanism of Action against <i>Geotrichum citri-aurantii</i> . <i>Biomolecules</i> , 2019, 9, 125.	1.8	11
128	Bioprospecting microalgae from natural algal bloom for sustainable biomass and biodiesel production. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5447-5458.	1.7	21
129	Land use change: A key ecological disturbance declines soil microbial biomass in dry tropical uplands. <i>Journal of Environmental Management</i> , 2019, 242, 1-10.	3.8	48
130	Nanoengineered cellulosic biohydrogen production via dark fermentation: A novel approach. <i>Biotechnology Advances</i> , 2019, 37, 107384.	6.0	101
131	Cross-Kingdom Small RNAs Among Animals, Plants and Microbes. <i>Cells</i> , 2019, 8, 371.	1.8	80
132	Chrysophanol: A Natural Anthraquinone with Multifaceted Biotherapeutic Potential. <i>Biomolecules</i> , 2019, 9, 68.	1.8	92
133	Non-Toxic and Ultra-Small Biosilver Nanoclusters Trigger Apoptotic Cell Death in Fluconazole-Resistant <i>Candida albicans</i> via Ras Signaling. <i>Biomolecules</i> , 2019, 9, 47.	1.8	13
134	Engineered microbial host selection for value-added bioproducts from lignocellulose. <i>Biotechnology Advances</i> , 2019, 37, 107347.	6.0	70
135	Batch and Fed-Batch Ethanol Fermentation of Cheese-Whey Powder with Mixed Cultures of Different Yeasts. <i>Energies</i> , 2019, 12, 4495.	1.6	11
136	Rhizosphere Metagenomics of <i>Paspalum scrobiculatum</i> L. (Kodo Millet) Reveals Rhizobiome Multifunctionalities. <i>Microorganisms</i> , 2019, 7, 608.	1.6	20
137	Lignocellulosic biomass (LCB): a potential alternative biorefinery feedstock for polyhydroxyalkanoates production. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 183-205.	3.9	87
138	Microbial Inoculants for Sustainable Crop Management. , 2019, , 1-35.		0
139	Insights into the Unidentified Microbiome: Current Approaches and Implications. , 2019, , 93-130.		1
140	Alleviation of drought stress in pulse crops with ACC deaminase producing rhizobacteria isolated from acidic soil of Northeast India. <i>Scientific Reports</i> , 2018, 8, 3560.	1.6	193
141	Phytochemicals as potent modulators of autophagy for cancer therapy. <i>Cancer Letters</i> , 2018, 424, 46-69.	3.2	81
142	Soil microbial biomass: A key soil driver in management of ecosystem functioning. <i>Science of the Total Environment</i> , 2018, 634, 497-500.	3.9	180
143	Coating with Microbial Hydrophobins: A Novel Approach to Develop Smart Drug Nanoparticles. <i>Trends in Biotechnology</i> , 2018, 36, 1103-1106.	4.9	25
144	Chitosan nanoparticles having higher degree of acetylation induce resistance against pearl millet downy mildew through nitric oxide generation. <i>Scientific Reports</i> , 2018, 8, 2485.	1.6	109

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145	Complete genome sequencing of the luminescent bacterium, <i>Vibrio qinghaiensis</i> sp. Q67 using PacBio technology. <i>Scientific Data</i> , 2018, 5, 170205.	2.4	12
146	Andrographolide, a diterpene lactone from <i>Andrographis paniculata</i> and its therapeutic promises in cancer. <i>Cancer Letters</i> , 2018, 420, 129-145.	3.2	125
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