

Manish Kumar

List of Publications by Citations

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64

papers

2,241

citations

27

h-index

46

g-index

67

ext. papers

3,666

ext. citations

8.1

avg, IF

5.95

L-index

#	Paper	IF	Citations
64	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. <i>Science of the Total Environment</i> , 2020 , 716, 137116	10.2	168
63	Microplastics as pollutants in agricultural soils. <i>Environmental Pollution</i> , 2020 , 265, 114980	9.3	137
62	Carbon dioxide capture, storage and production of biofuel and biomaterials by bacteria: A review. <i>Bioresource Technology</i> , 2018 , 247, 1059-1068	11	133
61	Ball milling as a mechanochemical technology for fabrication of novel biochar nanomaterials. <i>Bioresource Technology</i> , 2020 , 312, 123613	11	124
60	Bioremediation of water containing pesticides by microalgae: Mechanisms, methods, and prospects for future research. <i>Science of the Total Environment</i> , 2020 , 707, 136080	10.2	112
59	A critical review on biochar for enhancing biogas production from anaerobic digestion of food waste and sludge. <i>Journal of Cleaner Production</i> , 2021 , 305, 127143	10.3	97
58	Recent Named Entity Recognition and Classification techniques: A systematic review. <i>Computer Science Review</i> , 2018 , 29, 21-43	8.3	91
57	Sequestration and utilization of carbon dioxide by chemical and biological methods for biofuels and biomaterials by chemoautotrophs: Opportunities and challenges. <i>Bioresource Technology</i> , 2018 , 256, 478-490	11	89
56	Integration of scheduling with computer aided process planning. <i>Journal of Materials Processing Technology</i> , 2003 , 138, 297-300	5.3	69
55	Bacterial polyhydroxyalkanoates: Opportunities, challenges, and prospects. <i>Journal of Cleaner Production</i> , 2020 , 263, 121500	10.3	67
54	Biodiesel production from municipal secondary sludge. <i>Bioresource Technology</i> , 2016 , 216, 165-71	11	63
53	On the widespread enhancement in fine particulate matter across the Indo-Gangetic Plain towards winter. <i>Scientific Reports</i> , 2020 , 10, 5862	4.9	63
52	Genomic and proteomic analysis of lignin degrading and polyhydroxyalkanoate accumulating <i>Eproteobacterium</i> sp. ISTKB. <i>Biotechnology for Biofuels</i> , 2018 , 11, 154	7.8	61
51	Multifunctional applications of biochar beyond carbon storage. <i>International Materials Reviews</i> , 2022 , 1-51	16.1	58
50	Recovery of polyhydroxyalkanoates from municipal secondary wastewater sludge. <i>Bioresource Technology</i> , 2018 , 255, 111-115	11	57
49	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124967	12.8	56
48	Concurrent modifications in the three homeologs of Ms45 gene with CRISPR-Cas9 lead to rapid generation of male sterile bread wheat (<i>Triticum aestivum</i> L.). <i>Plant Molecular Biology</i> , 2018 , 97, 371-383	4.6	54

47	Carbon dioxide sequestration by chemolithotrophic oleaginous bacteria for production and optimization of polyhydroxyalkanoate. <i>Bioresource Technology</i> , 2016 , 213, 249-256	11	52
46	Critical Review on Biochar-Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. <i>Advanced Sustainable Systems</i> , 2020 , 4, 1900149	5.9	44
45	Integration of process planning and scheduling in a job shop environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2006 , 28, 109-116	3.2	41
44	Municipal secondary sludge as carbon source for production and characterization of biodiesel from oleaginous bacteria. <i>Bioresource Technology Reports</i> , 2018 , 4, 106-113	4.1	38
43	Characterization of carbon dioxide concentrating chemolithotrophic bacterium <i>Serratia</i> sp. ISTD04 for production of biodiesel. <i>Bioresource Technology</i> , 2017 , 243, 893-897	11	36
42	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126534	12.8	36
41	Utilization of glycerol by <i>Bacillus</i> sp. ISTVK1 for production and characterization of Polyhydroxyvalerate. <i>Bioresource Technology Reports</i> , 2018 , 2, 1-6	4.1	33
40	Multidimensional approaches of biogas production and up-gradation: Opportunities and challenges. <i>Bioresource Technology</i> , 2021 , 338, 125514	11	32
39	Targeted mutagenesis of a conserved anther-expressed P450 gene confers male sterility in monocots. <i>Plant Biotechnology Journal</i> , 2017 , 15, 379-389	11.6	29
38	Lignin valorization by bacterial genus <i>Pseudomonas</i> : State-of-the-art review and prospects. <i>Bioresource Technology</i> , 2021 , 320, 124412	11	29
37	Microplastics as an emerging source of particulate air pollution: A critical review. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126245	12.8	26
36	Are microplastics destabilizing the global network of terrestrial and aquatic ecosystem services?. <i>Environmental Research</i> , 2021 , 198, 111243	7.9	24
35	Role of microbial diversity to influence the growth and environmental remediation capacity of bamboo: A review. <i>Industrial Crops and Products</i> , 2021 , 167, 113567	5.9	23
34	Plant microbial fuel cell: Opportunities, challenges, and prospects. <i>Bioresource Technology</i> , 2021 , 341, 125772	11	23
33	MS26/CYP704B is required for anther and pollen wall development in bread wheat (<i>Triticum aestivum</i> L.) and combining mutations in all three homeologs causes male sterility. <i>PLoS ONE</i> , 2017 , 12, e0177632	3.7	21
32	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022 , 802, 149823	10.2	21
31	Microplastics in seafood as an emerging threat to marine environment: A case study in Goa, west coast of India. <i>Chemosphere</i> , 2021 , 270, 129359	8.4	20
30	Genomic analysis of carbon dioxide sequestering bacterium for exopolysaccharides production. <i>Scientific Reports</i> , 2019 , 9, 4270	4.9	19

29	Optimization of Process Parameters for the Production of Biodiesel from Carbon dioxide Sequestering Bacteriu3, 43-50		16
28	Antimony contamination and its risk management in complex environmental settings: A review. <i>Environment International</i> , 2021 , 158, 106908	12.9	16
27	Genome Sequence of Carbon Dioxide-Sequestering <i>Serratia</i> sp. Strain ISTD04 Isolated from Marble Mining Rocks. <i>Genome Announcements</i> , 2016 , 4,		15
26	Opportunities and challenges of utilizing energy crops in phytoremediation of environmental pollutants: A review 2021 , 383-396		15
25	Genome Sequence of <i>Pandora</i> sp. ISTKB, a Lignin-Degrading Betaproteobacterium, Isolated from Rhizospheric Soil. <i>Genome Announcements</i> , 2016 , 4,		13
24	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review.. <i>Science of the Total Environment</i> , 2022 , 822, 153555	10.2	12
23	A study on Internet addiction and its relation to psychopathology and self-esteem among college students. <i>Industrial Psychiatry</i> , 2018 , 27, 61-66	0.9	12
22	Challenges and opportunities in sustainable management of microplastics and nanoplastics in the environment. <i>Environmental Research</i> , 2021 , 207, 112179	7.9	12
21	Multi-criteria research lines on livestock manure biorefinery development towards a circular economy: From the perspective of a life cycle assessment and business models strategies. <i>Journal of Cleaner Production</i> , 2022 , 341, 130862	10.3	9
20	Synthesis of bioactive material by sol-gel process utilizing polymorphic calcium carbonate precipitate and their direct and indirect in-vitro cytotoxicity analysis. <i>Environmental Technology and Innovation</i> , 2020 , 18, 100647	7	8
19	The polymers and their additives in particulate plastics: What makes them hazardous to the fauna?. <i>Science of the Total Environment</i> , 2022 , 824, 153828	10.2	8
18	Bacterial production of fatty acid and biodiesel: opportunity and challenges 2020 , 21-49		8
17	Phytocapping: an eco-sustainable green technology for environmental pollution control 2021 , 481-491		7
16	Biotechnological potential of rumen microbiota for sustainable bioconversion of lignocellulosic waste to biofuels and value-added products.. <i>Science of the Total Environment</i> , 2022 , 814, 152773	10.2	6
15	Development of a generative CAPP system for axisymmetric components for a job shop environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2005 , 27, 136-144	3.2	5
14	Role of plant growth-promoting rhizobacteria in boosting the phytoremediation of stressed soils: Opportunities, challenges, and prospects. <i>Chemosphere</i> , 2022 , 303, 134954	8.4	5
13	Biomass energy with carbon capture and storage (BECCS) 2020 , 399-427		4
12	Traditional System Versus DNA Barcoding in Identification of Bamboo Species: A Systematic Review. <i>Molecular Biotechnology</i> , 2021 , 63, 651-675	3	4

11	Multifunctional applications of bamboo crop beyond environmental management: an Indian prospective.. <i>Bioengineered</i> , 2022 , 13, 8893-8914	5.7	4
10	Modified biochar as a green adsorbent for removal of hexavalent chromium from various environmental matrices: Mechanisms, methods, and prospects. <i>Chemical Engineering Journal</i> , 2022 , 439, 135716	14.7	4
9	Cost based scheduling in a job shop environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2006 , 30, 1144-1153	3.2	2
8	Environmental DNA insights in search of novel genes/taxa for production of biofuels and biomaterials 2022 , 111-135		2
7	Analysis of Different Supervised Techniques for Named Entity Recognition. <i>Communications in Computer and Information Science</i> , 2019 , 184-195	0.3	2
6	Phytoremediation of persistent organic pollutants: Concept challenges and perspectives 2022 , 375-404		0
5	Phytocapping technology for sustainable management of contaminated sites: case studies, challenges, and future prospects 2022 , 601-616		0
4	Recurrent Neural Network-Based Model for Named Entity Recognition with Improved Word Embeddings. <i>IETE Journal of Research</i> , 1-7	0.9	0
3	Biofilm formation and its implications on the properties and fate of microplastics in aquatic environments: A review. <i>Journal of Hazardous Materials Advances</i> , 2022 , 6, 100077		0
2	Mobilization of contaminants: Potential for soil remediation and unintended consequences. <i>Science of the Total Environment</i> , 2022 , 839, 156373	10.2	0
1	Algal-Based Biofuel Production: Opportunities, Challenges, and Prospects. <i>Clean Energy Production Technologies</i> , 2022 , 155-180	0.8	