

Surendra Sarsaiya

List of Publications by Year in descending order

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73
papers

3,301
citations

172457

29
h-index

155660

55
g-index

77
all docs

77
docs citations

77
times ranked

2483
citing authors

#	ARTICLE	IF	CITATIONS
1	Resource recovery and circular economy from organic solid waste using aerobic and anaerobic digestion technologies. <i>Bioresource Technology</i> , 2020, 301, 122778.	9.6	305
2	Refining biomass residues for sustainable energy and bio-products: An assessment of technology, its importance, and strategic applications in circular bio-economy. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109876.	16.4	203
3	Production and beneficial impact of biochar for environmental application: A comprehensive review. <i>Bioresource Technology</i> , 2021, 337, 125451.	9.6	180
4	A critical review of organic manure biorefinery models toward sustainable circular bioeconomy: Technological challenges, advancements, innovations, and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 115-131.	16.4	177
5	Changes in global trends in food waste composting: Research challenges and opportunities. <i>Bioresource Technology</i> , 2020, 299, 122555.	9.6	161
6	A review of plant leaf fungal diseases and its environment speciation. <i>Bioengineered</i> , 2019, 10, 409-424.	3.2	153
7	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.	12.4	147
8	Optimization for the Production of Cellulase Enzyme from Municipal Solid Waste Residue by Two Novel Cellulolytic Fungi. <i>Biotechnology Research International</i> , 2011, 2011, 1-8.	1.4	143
9	Bioenergy and bio-products from bio-waste and its associated modern circular economy: Current research trends, challenges, and future outlooks. <i>Fuel</i> , 2022, 307, 121859.	6.4	132
10	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022, 802, 149823.	8.0	109
11	Microbial dynamics for lignocellulosic waste bioconversion and its importance with modern circular economy, challenges and future perspectives. <i>Bioresource Technology</i> , 2019, 291, 121905.	9.6	99
12	Agricultural waste biorefinery development towards circular bioeconomy. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112122.	16.4	94
13	Biopolymer poly-hydroxyalkanoates (PHA) production from apple industrial waste residues: A review. <i>Chemosphere</i> , 2021, 284, 131427.	8.2	92
14	Techno-economics and life-cycle assessment of biological and thermochemical treatment of bio-waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110837.	16.4	77
15	Diversity of Cellulolytic Microbes and the Biodegradation of Municipal Solid Waste by a Potential Strain. <i>International Journal of Microbiology</i> , 2012, 2012, 1-12.	2.3	73
16	A critical review on the development stage of biorefinery systems towards the management of apple processing-derived waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110972.	16.4	68
17	Processing of municipal solid waste resources for a circular economy in China: An overview. <i>Fuel</i> , 2022, 317, 123478.	6.4	67
18	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.	9.3	64

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19	A comprehensive review on fungal endophytes and its dynamics on Orchidaceae plants: current research, challenges, and future possibilities. <i>Bioengineered</i> , 2019, 10, 316-334.	3.2	60
20	Prevalence and species spectrum of both pulmonary and extrapulmonary nontuberculous mycobacteria isolates at a tertiary care center. <i>International Journal of Mycobacteriology</i> , 2016, 5, 288-293.	0.6	52
21	Biotechnological strategies for bio-transforming biosolid into resources toward circular bio-economy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111987.	16.4	51
22	A comprehensive review on recent advancements in biodegradation and sustainable management of biopolymers. <i>Environmental Pollution</i> , 2022, 307, 119600.	7.5	45
23	Sustainable biorefinery approaches towards circular economy for conversion of biowaste to value added materials and future perspectives. <i>Fuel</i> , 2022, 325, 124846.	6.4	45
24	Improving methane yield and quality via co-digestion of cow dung mixed with food waste. <i>Bioresource Technology</i> , 2018, 251, 259-263.	9.6	41
25	Molecular Identification of Endophytic Fungi and Their Pathogenicity Evaluation Against <i>Dendrobium nobile</i> and <i>Dendrobium officinale</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 316.	4.1	41
26	The dynamic of cellulase activity of fungi inhabiting organic municipal solid waste. <i>Bioresource Technology</i> , 2018, 251, 411-415.	9.6	37
27	Bioengineered biochar as smart candidate for resource recovery toward circular bio-economy: a review. <i>Bioengineered</i> , 2021, 12, 10269-10301.	3.2	37
28	Recent trends and developments on integrated biochemical conversion process for valorization of dairy waste to value added bioproducts: A review. <i>Bioresource Technology</i> , 2022, 344, 126193.	9.6	34
29	New Insights into Detection of a Dendrobine Compound From a Novel Endophytic <i>Trichoderma longibrachiatum</i> Strain and Its Toxicity Against Phytopathogenic Bacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 337.	3.5	33
30	The anti-diabetic activities, gut microbiota composition, the anti-inflammatory effects of <i>Scutellaria</i> and <i>Coptis</i> herb couple against insulin resistance-model of diabetes involving the toll-like receptor 4 signaling pathway. <i>Journal of Ethnopharmacology</i> , 2019, 237, 202-214.	4.1	29
31	A review on systematic study of cellulose. <i>Journal of Applied and Natural Science</i> , 2010, 2, 330-343.	0.4	28
32	Callus growth kinetics and accumulation of secondary metabolites of <i>Bletilla striata</i> Rchb.f. using a callus suspension culture. <i>PLoS ONE</i> , 2020, 15, e0220084.	2.5	26
33	Current state of the art biotechnological strategies for conversion of watermelon wastes residues to biopolymers production: A review. <i>Chemosphere</i> , 2022, 290, 133310.	8.2	25
34	Bioengineering tools for the production of pharmaceuticals: current perspective and future outlook. <i>Bioengineered</i> , 2019, 10, 469-492.	3.2	24
35	First Report of Leaf Black Circular Spots on <i>Dendrobium nobile</i> Caused by <i>Trichoderma longibrachiatum</i> in Guizhou Province, China. <i>Plant Disease</i> , 2019, 103, 3275.	1.4	22
36	A systematic review on the impact of cement industries on the natural environment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 18440-18451.	5.3	20

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37	Recovery of value-added products from biowaste: A review. <i>Bioresource Technology</i> , 2022, 360, 127565.	9.6	20
38	Optimization of nutritional conditions using a temporary immersion bioreactor system for the growth of <i>Bletilla striata</i> pseudobulbs and accumulation of polysaccharides. <i>Scientia Horticulturae</i> , 2018, 240, 155-161.	3.6	17
39	New insights and rethinking of cinnabar for chemical and its pharmacological dynamics. <i>Bioengineered</i> , 2019, 10, 353-364.	3.2	16
40	Evaluation of E-waste materials linked potential consequences to environment in India. <i>Environmental Technology and Innovation</i> , 2022, 28, 102477.	6.1	16
41	Preparation and characterization of coffee hull fiber for reinforcing application in thermoplastic composites. <i>Bioengineered</i> , 2019, 10, 397-408.	3.2	13
42	Global Status of Waste-to-Energy Technology. , 2019, , 31-52.		12
43	Corona Virus (COVID-19) Symptoms Prevention and Treatment: A Short Review. <i>Journal of Drug Delivery and Therapeutics</i> , 2021, 11, 118-120.	0.5	12
44	Rapid propagation in vitro and accumulation of active substances of endangered <i>Dendrobium cariniferum</i> Rchb. f. <i>Bioengineered</i> , 2020, 11, 386-396.	3.2	10
45	Changes in global Orchidaceae disease geographical research trends: recent incidences, distributions, treatment, and challenges. <i>Bioengineered</i> , 2021, 12, 13-29.	3.2	10
46	Fermentation Engineering for Enhanced Paclitaxel Production by <i>Taxus Media</i> Endophytic Fungus MF-5 (<i>Alternaria</i> sp.). <i>Journal of Biobased Materials and Bioenergy</i> , 2018, 12, 545-550.	0.3	9
47	Biodegradation and Recycling of Urban Solid Waste. <i>American Journal of Environmental Sciences</i> , 2009, 5, 653-656.	0.5	9
48	Comparative Transcriptome Analysis of Genes Involved in Sesquiterpene Alkaloid Biosynthesis in <i>Trichoderma longibrachiatum</i> MD33 and UN32. <i>Frontiers in Microbiology</i> , 2021, 12, 800125.	3.5	9
49	Production of Pullulan from a high yielding strain of <i>Aureobasidium pullulans</i> in non-stirred flask-type fermentation system. <i>Journal of Microbiology and Biotechnology Research</i> , 2017, 7, 26.	0.3	8
50	Improving the properties of straw biomass rattan by corn starch. <i>Bioengineered</i> , 2019, 10, 659-667.	3.2	6
51	Phenotypic and Transcriptomic Analysis of Two <i>Pinellia ternata</i> Varieties T2 line and T2Plus line. <i>Scientific Reports</i> , 2020, 10, 4614.	3.3	6
52	Origin and Remediation of Melanoidin Contamination in Water Sources. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2019, 8, 1399-1415.	0.1	4
53	Transcriptomic analysis of <i>Pinellia ternata</i> (Thunb.) Breit T2 plus line provides insights in host responses resist <i>Pectobacterium carotovorum</i> infection. <i>Bioengineered</i> , 2021, 12, 1173-1188.	3.2	3
54	Illumina Sequencing Reveals Conserved and Novel MicroRNAs of <i>Dendrobium nobile</i> Protocorm Involved in Synthesizing Dendrobine, a Potential Nanodrug. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 416-425.	1.1	3

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55	Accumulative Component Analysis of Polysaccharide in Protocorm of <i>Dendrobium candidum</i> . Journal of Biobased Materials and Bioenergy, 2018, 12, 348-355.	0.3	3
56	Modeling and Docking of Cysteine Protease-A (CPA) of <i>Leishmania donovani</i> . Journal of Applied Pharmaceutical Science, 0, , .	1.0	3
57	Fungi endophytes for biofactory of secondary metabolites: Genomics and metabolism. , 2021, , 1-21.		2
58	Primary Inventorization of Electronic Waste in Bhopal City. Current World Environment Journal, 2014, 9, 814-819.	0.5	2
59	Homology modeling of <i>Leishmania donovani</i> enolase and its molecular interaction with novel inhibitors. Journal of Pharmacy and Bioallied Sciences, 2017, 9, 99.	0.6	2
60	Mitigation of Global Warming Potential for Cleaner Composting. Energy, Environment, and Sustainability, 2018, , 271-305.	1.0	1
61	Mechanical Properties of Polyethylene Composites Filled with Willow (<i>Salix babylonica</i> L.) Bark-Boring Insect Dust. Journal of Biobased Materials and Bioenergy, 2018, 12, 540-544.	0.3	1
62	Development and mechanical properties of straw-polyethylene imitation rattan material with wheat straw fibre. Environmental Technology (United Kingdom), 2022, 43, 4189-4199.	2.2	1
63	Endophytic Fungal Diversity on Different Aged Bark of Medicinal <i>Taxus</i> Plant Species. Journal of Biobased Materials and Bioenergy, 2019, 13, 544-549.	0.3	1
64	Significance of Regional Antibigram and MDR of ESBL Producing Uropathogens Infecting Non-hospitalized Patients: Gurugram. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 1114-1126.	0.1	1
65	Plant root-microbe relationship for shaping root microbiome modification in benefit agriculture. , 2020, , 85-98.		1
66	Current Progress on Endophytic Microbial Dynamics on <i>Dendrobium</i> Plants. Fungal Biology, 2020, , 397-418.	0.6	1
67	Multi-drug Resistance and Extended-Spectrum β -Lactamase Production in Uropathogens from Hospitalized Patients in Gurugram, India. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 1270-1281.	0.1	0
68	STUDY THE EXTRACTION & ANTIMICROBIAL EFFICACY OF TRIPHALA. Journal of Harmonized Research in Applied Science, 2018, 6, 17.	0.0	0
69	Studies on the efficacy and therapeutic potential of sweet basil against <i>E.coli</i> . Annals of Plant Sciences, 2016, 6, 1490.	0.2	0
70	Title is missing!. , 2020, 15, e0220084.		0
71	Title is missing!. , 2020, 15, e0220084.		0
72	Title is missing!. , 2020, 15, e0220084.		0

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73	Title is missing!. , 2020, 15, e0220084.		0