

Shashwati Ghosh Sachan

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,239
citations

471509
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395702
33
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44
all docs

44
docs citations

44
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanobioremediation of pesticides by immobilization technique: a review. International Journal of Environmental Science and Technology, 2023, 20, 3455-3466.	3.5	2
2	Exploring triclosan degradation potential of <i>Citrobacter freundii</i> KS2003. International Journal of Environmental Science and Technology, 2022, 19, 3565-3580.	3.5	7
3	Decolorization and degradation of reactive orange 16 by <i>Bacillus stratosphericus</i> SCA1007. Folia Microbiologica, 2022, 67, 91-102.	2.3	5
4	Nanobioremediation of heavy metals: Perspectives and challenges. Journal of Basic Microbiology, 2022, 62, 428-443.	3.3	12
5	Microbially synthesized nanoparticles and their applications in environmental clean-up. Environmental Technology Reviews, 2022, 11, 18-32.	4.3	5
6	A rapid and simple ultra high performance liquid chromatography method for the simultaneous determination of methoxyphenol derivatives involved in the eugenol catabolic pathway. Journal of Separation Science, 2020, 43, 877-885.	2.5	3
7	Tiny microbes, big yields: Microorganisms for enhancing food crop production for sustainable development. , 2020, , 1-15.		58
8	In vitro analysis of gallstone formation in the presence of bacteria. Indian Journal of Gastroenterology, 2020, 39, 473-480.	1.4	8
9	Potassium solubilizing and mobilizing microbes: Biodiversity, mechanisms of solubilization, and biotechnological implication for alleviations of abiotic stress. , 2020, , 177-202.		22
10	Current Aspects and Applications of Biofertilizers for Sustainable Agriculture. Sustainable Development and Biodiversity, 2020, , 445-473.	1.7	7
11	Bacterial community composition in lakes. , 2019, , 1-71.		4
12	Decolorization and degradation of methyl orange by <i>Bacillus stratosphericus</i> SCA1007. Biocatalysis and Agricultural Biotechnology, 2019, 18, 101044.	3.1	87
13	In-silico mutational study of ferulic acid decarboxylase for improvement of substrate binding empathy. International Journal of Computational Biology and Drug Design, 2019, 12, 16.	0.3	0
14	Biotransformation of eugenol to vanillin by a novel strain <i>Bacillus safensis</i> SMS1003. Biocatalysis and Biotransformation, 2019, 37, 291-303.	2.0	23
15	Bioconversion of toxic micropollutant triclosan to 2,4-dichlorophenol using a wastewater isolate <i>Pseudomonas aeruginosa</i> KS2002. International Journal of Environmental Science and Technology, 2019, 16, 7663-7672.	3.5	14
16	Psychrotrophic Microbes: Biodiversity, Mechanisms of Adaptation, and Biotechnological Implications in Alleviation of Cold Stress in Plants. Microorganisms for Sustainability, 2019, , 219-253.	0.7	26
17	In-silico mutational study of ferulic acid decarboxylase for improvement of substrate binding empathy. International Journal of Computational Biology and Drug Design, 2019, 12, 16.	0.3	0
18	Environmental and Human Exposure to Antimicrobial Agent Triclosan: A Review. , 2019, , 237-261.		0

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19	Psychrotrophic Microbiomes: Molecular Diversity and Beneficial Role in Plant Growth Promotion and Soil Health. <i>Microorganisms for Sustainability</i> , 2018, , 197-240.	0.7	44
20	Mutational analysis of phenolic acid decarboxylase from <i>Enterobacter</i> sp. Px6-4. towards enhancement of binding affinity: A computational approach. <i>Computational Biology and Chemistry</i> , 2018, 76, 245-255.	2.3	5
21	Biosurfactants: A Multifunctional Microbial Metabolite. , 2017, , 213-229.		9
22	Biosurfactant Production by <i>Pseudomonas fluorescens</i> NCIM 2100 Forming Stable Oil-in-Water Emulsions. , 2017, , 97-107.		0
23	Ferulic Acid Decarboxylase from <i>Bacillus cereus</i> SAS-3006: Purification and Properties. , 2017, , 169-179.		2
24	Mutational analysis of microbial hydroxycinnamoyl-CoA hydratase-lyase (HCHL) towards enhancement of binding affinity: A computational approach. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 77, 94-105.	2.4	8
25	Cold active hydrolytic enzymes production by psychrotrophic Bacilli isolated from three sub-€glacial lakes of NW Indian Himalayas. <i>Journal of Basic Microbiology</i> , 2016, 56, 294-307.	3.3	133
26	Bioconversion of ferulic acid to vanillic acid by <i>Paenibacillus lactis</i> SAMS-2001. <i>Annals of Microbiology</i> , 2016, 66, 875-882.	2.6	8
27	Bioprospecting of plant growth promoting psychrotrophic Bacilli from the cold desert of north western Indian Himalayas. <i>Indian Journal of Experimental Biology</i> , 2016, 54, 142-50.	0.0	70
28	Prospecting cold deserts of north western Himalayas for microbial diversity and plant growth promoting attributes. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 683-693.	2.2	179
29	Analysis of gallstone composition and structure in Jharkhand region. <i>Indian Journal of Gastroenterology</i> , 2015, 34, 29-37.	1.4	21
30	Culturable diversity and functional annotation of psychrotrophic bacteria from cold desert of Leh Ladakh (India). <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 95-108.	3.6	132
31	Screening of bioemulsifier-producing micro-organisms isolated from oil-contaminated sites. <i>Annals of Microbiology</i> , 2015, 65, 753-764.	2.6	24
32	Consumption of heme iron: A major factor in pigment gallstone formation. <i>International Journal of Biomedical Research</i> , 2014, 5, 34.	0.1	2
33	Microbial production of 4-vinylguaiacol from ferulic acid by <i>Bacillus cereus</i> SAS-3006. <i>Biocatalysis and Biotransformation</i> , 2014, 32, 259-266.	2.0	10
34	Transformation of ferulic acid to 4-vinyl guaiacol as a major metabolite: a microbial approach. <i>Reviews in Environmental Science and Biotechnology</i> , 2014, 13, 377-385.	8.1	41
35	Production of natural value-added compounds: an insight into the eugenol biotransformation pathway. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 545-550.	3.0	34
36	Urease Positive and Slime Producing Bacterial Activity: Results in Gallstone Precipitation and Solidification. <i>Archives of Clinical Infectious Diseases</i> , 2013, 8, .	0.2	3

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37	Validation of a simple, sensitive enzyme immunoassay (EIA) for the determination of caprine plasma LH. Small Ruminant Research, 2009, 84, 22-27.	1.2	5
38	Microbial transformation of ferulic acid to vanillic acid by <i>Streptomyces sannanensis</i> MTCC 6637. Journal of Industrial Microbiology and Biotechnology, 2007, 34, 131-138.	3.0	55
39	Conversion of sinapic acid to syringic acid by a filamentous fungus <i>Paecilomyces variotii</i> . Journal of General and Applied Microbiology, 2006, 52, 131-135.	0.7	15
40	Biotransformation of p-coumaric acid by <i>Paecilomyces variotii</i> . Letters in Applied Microbiology, 2006, 42, 35-41.	2.2	31
41	Co-production of caffeic acid and p-hydroxybenzoic acid from p-coumaric acid by <i>Streptomyces caeruleus</i> MTCC 6638. Applied Microbiology and Biotechnology, 2006, 71, 720-727.	3.6	39
42	Degradation of ferulic acid by a white rot fungus <i>Schizophyllum commune</i> . World Journal of Microbiology and Biotechnology, 2005, 21, 385-388.	3.6	22
43	An efficient isocratic separation of hydroxycinnamates and their corresponding benzoates from microbial and plant sources by HPLC. Biotechnology and Applied Biochemistry, 2004, 40, 197.	3.1	25
44	Detection of major phenolic acids from dried mesocarpic husk of mature coconut by thin layer chromatography. Industrial Crops and Products, 2003, 18, 171-176.	5.2	39