

Shashwati Ghosh Sachan

List of Publications by Year in descending order

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44
papers

1,239
citations

471061

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395343

33
g-index

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.	1.8	2
2	Exploring triclosan degradation potential of <i>Citrobacter freundii</i> KS2003. International Journal of Environmental Science and Technology, 2022, 19, 3565-3580.	1.8	7
3	Decolorization and degradation of reactive orange 16 by <i>Bacillus stratosphericus</i> SCA1007. Folia Microbiologica, 2022, 67, 91-102.	1.1	5
4	Nanobioremediation of heavy metals: Perspectives and challenges. Journal of Basic Microbiology, 2022, 62, 428-443.	1.8	12
5	Microbially synthesized nanoparticles and their applications in environmental clean-up. Environmental Technology Reviews, 2022, 11, 18-32.	2.1	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.	1.3	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.	0.7	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.	1.4	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.	1.5	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.	1.1	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.	1.8	14
16	Psychrotrophic Microbes: Biodiversity, Mechanisms of Adaptation, and Biotechnological Implications in Alleviation of Cold Stress in Plants. Microorganisms for Sustainability, 2019, , 219-253.	0.4	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.	0.4	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.	1.1	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.	1.3	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.	1.8	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.	1.1	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.	0.5	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.	1.1	179
29	Analysis of gallstone composition and structure in Jharkhand region. <i>Indian Journal of Gastroenterology</i> , 2015, 34, 29-37.	0.7	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.	1.7	132
31	Screening of bioemulsifier-producing micro-organisms isolated from oil-contaminated sites. <i>Annals of Microbiology</i> , 2015, 65, 753-764.	1.1	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.	1.1	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.	3.9	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.	1.4	34
36	Urease Positive and Slime Producing Bacterial Activity: Results in Gallstone Precipitation and Solidification. <i>Archives of Clinical Infectious Diseases</i> , 2013, 8, .	0.1	3

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37	Validation of a simple, sensitive enzyme immunoassay (EIA) for the determination of caprine plasma LH. <i>Small Ruminant Research</i> , 2009, 84, 22-27.	0.6	5
38	Microbial transformation of ferulic acid to vanillic acid by <i>Streptomyces sannanensis</i> MTCC 6637. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007, 34, 131-138.	1.4	55
39	Conversion of sinapic acid to syringic acid by a filamentous fungus <i>Paecilomyces variotii</i> . <i>Journal of General and Applied Microbiology</i> , 2006, 52, 131-135.	0.4	15
40	Biotransformation of p-coumaric acid by <i>Paecilomyces variotii</i> . <i>Letters in Applied Microbiology</i> , 2006, 42, 35-41.	1.0	31
41	Co-production of caffeic acid and p-hydroxybenzoic acid from p-coumaric acid by <i>Streptomyces caeruleus</i> MTCC 6638. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 720-727.	1.7	39
42	Degradation of ferulic acid by a white rot fungus <i>Schizophyllum commune</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 385-388.	1.7	22
43	An efficient isocratic separation of hydroxycinnamates and their corresponding benzoates from microbial and plant sources by HPLC. <i>Biotechnology and Applied Biochemistry</i> , 2004, 40, 197.	1.4	25
44	Detection of major phenolic acids from dried mesocarpic husk of mature coconut by thin layer chromatography. <i>Industrial Crops and Products</i> , 2003, 18, 171-176.	2.5	39