

Amrik Bhattacharya

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

653
citations

687363

13
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

756
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing the bio-mineralization ability of urease producing <i>Serratia marcescens</i> and <i>Enterobacter cloacae</i> EMB19 for remediation of heavy metal cadmium (II). <i>Journal of Environmental Management</i> , 2018, 215, 143-152.	7.8	91
2	Evaluation of <i>Acinetobacter</i> sp. B9 for Cr (VI) resistance and detoxification with potential application in bioremediation of heavy-metals-rich industrial wastewater. <i>Environmental Science and Pollution Research</i> , 2013, 20, 6628-6637.	5.3	85
3	Enzymatic Remediation of Polyethylene Terephthalate (PET)-Based Polymers for Effective Management of Plastic Wastes: An Overview. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 602325.	4.1	79
4	Efficacy of <i>Acinetobacter</i> sp. B9 for simultaneous removal of phenol and hexavalent chromium from co-contaminated system. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9829-9841.	3.6	61
5	Degradation of azo dye methyl red by alkaliphilic, halotolerant <i>Nesterenkonia lacusekhoensis</i> EMLA3: application in alkaline and salt-rich dyeing effluent treatment. <i>Extremophiles</i> , 2017, 21, 479-490.	2.3	51
6	Alleviation of hexavalent chromium by using microorganisms: insight into the strategies and complications. <i>Water Science and Technology</i> , 2019, 79, 411-424.	2.5	40
7	Valorization of agro-starchy wastes as substrates for oleaginous microbes. <i>Biomass and Bioenergy</i> , 2019, 127, 105294.	5.7	31
8	Trends in Oil Production from Oleaginous Yeast Using Biomass: Biotechnological Potential and Constraints. <i>Applied Biochemistry and Microbiology</i> , 2018, 54, 361-369.	0.9	23
9	Simultaneous Bioremediation of Phenol and Cr (VI) from Tannery Wastewater Using Bacterial Consortium. <i>International Journal of Applied Sciences and Biotechnology</i> , 2015, 3, 50-55.	0.8	20
10	Biodegradation of 1,1,1-trichloro-2,2-bis(4-chlorophenyl) ethane (DDT) by using <i>Serratia marcescens</i> NCIM 2919. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 809-816.	1.5	19
11	Synthesis of silver nanoparticles (AgNPs) using <i>Ficus retusa</i> leaf extract for potential application as antibacterial and dye decolourising agents. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 1520-1529.	1.6	19
12	Enhanced lipase production from <i>Aeromonas</i> sp. S1 using Sal deoiled seed cake as novel natural substrate for potential application in dairy wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 418-426.	3.2	18
13	Ecological and toxicological manifestations of microplastics: current scenario, research gaps, and possible alleviation measures. <i>Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis</i> , 2020, 38, 1-20.	0.7	14
14	Remediation of Phenol Using Microorganisms: Sustainable Way to Tackle the Chemical Pollution Menace. <i>Current Organic Chemistry</i> , 2018, 22, 370-385.	1.6	12
15	Assessment of phenol-degrading ability of <i>Acinetobacter</i> sp. B9 for its application in bioremediation of phenol-contaminated industrial effluents. <i>Chemistry and Ecology</i> , 2015, 31, 607-621.	1.6	11
16	Efficacy of ureolytic <i>Enterobacter cloacae</i> EMB19 mediated calcite precipitation in remediation of Zn (II). <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 536-542.	1.7	10
17	Production and characterization of <i>Komagataeibacter xylinus</i> SGP8 nanocellulose and its calcite based composite for removal of Cd ions. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46423-46430.	5.3	10
18	Overexpression and repression of key rate-limiting enzymes (acetyl CoA carboxylase and HMG) in <i>Escherichia coli</i> for the production of polyhydroxybutyrate (PHB). <i>Microbiology</i> , 2021, 61, 4-14.	3.3	10

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19	Sustainable Options for Mitigation of Major Toxicants Originating from Electronic Waste. <i>Current Science</i> , 2016, 111, 1946.	0.8	9
20	Effectiveness of Sal Deoiled Seed Cake as an Inducer for Protease Production from <i>Aeromonas</i> sp. S1 for its Application in Kitchen Wastewater Treatment. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1896-1908.	2.9	7
21	<i>Camelina sativa</i> : An Emerging Biofuel Crop. , 2018, , 1-38.		6
22	Production of single cell oil by using cassava peel substrate from oleaginous yeast <i>Rhodotorula glutinis</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101308.	3.1	5
23	Environmentâ€Friendly Synergistic Abiotic Stress for Enhancing the Yield of Lipids from Oleaginous Yeasts. <i>European Journal of Lipid Science and Technology</i> , 0, , 2000376.	1.5	5
24	Biodegradation of 4-chlorobiphenyl by using induced cells and cell extract of <i>Burkholderia xenovorans</i> . <i>Bioremediation Journal</i> , 2017, 21, 109-118.	2.0	4
25	Utilizing the ß-lactam hydrolyzing activity of ß-lactamase produced by <i>Bacillus cereus</i> EMB20 for remediation of ß-lactam antibiotics. <i>International Biodeterioration and Biodegradation</i> , 2022, 168, 105363.	3.9	4
26	<i>Camelina sativa</i> : An Emerging Biofuel Crop. , 2019, , 2889-2925.		3
27	Novel application of Mahua (<i>Madhuca</i> sp.) flowers for augmented protease production from <i>Aeromonas</i> sp. S1. <i>Natural Product Communications</i> , 2012, 7, 1359-62.	0.5	3
28	An Overview of Enzymes and Rate-Limiting Steps Responsible for Lipid Production in Oleaginous Yeast. <i>Industrial Biotechnology</i> , 2022, 18, 20-31.	0.8	2
29	Novel Application of Mahua (<i>Madhuca</i> sp.) Flowers for Augmented Protease Production from <i>Aeromonas</i> sp. S1. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.5	1
30	Current trends in applicability of thermophiles and thermozymes in bioremediation of environmental pollutants. , 2022, , 161-176.		0