

Amit Bafana

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,507
citations

361413

20
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

2182
citing authors

#	ARTICLE	IF	CITATIONS
1	Azo dyes: past, present and the future. <i>Environmental Reviews</i> , 2011, 19, 350-371.	4.5	448
2	Characterization and optimization of production of exopolysaccharide from <i>Chlamydomonas reinhardtii</i> . <i>Carbohydrate Polymers</i> , 2013, 95, 746-752.	10.2	94
3	Environmental persistence, hazard, and mitigation challenges of nitroaromatic compounds. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28650-28667.	5.3	93
4	The basic and applied aspects of superoxide dismutase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 68, 129-138.	1.8	80
5	Superoxide dismutase: an industrial perspective. <i>Critical Reviews in Biotechnology</i> , 2011, 31, 65-76.	9.0	76
6	Azoreductase and dye detoxification activities of <i>Bacillus velezensis</i> strain AB. <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 1139-1144.	3.6	65
7	Heavy metal resistance in <i>Arthrobacter ramosus</i> strain G2 isolated from mercuric salt-contaminated soil. <i>Journal of Hazardous Materials</i> , 2010, 177, 481-486.	12.4	56
8	Xanthate modified apple pomace as an adsorbent for removal of Cd (II), Ni (II) and Pb (II), and its application to real industrial wastewater. <i>International Biodeterioration and Biodegradation</i> , 2015, 97, 60-66.	3.9	56
9	Functional and phylogenetic diversity of root-associated bacteria of <i>Ajuga bracteosa</i> in Kangra valley. <i>Microbiological Research</i> , 2012, 167, 220-225.	5.3	48
10	Diversity and metabolic potential of culturable root-associated bacteria from <i>Origanum vulgare</i> in sub-Himalayan region. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 63-74.	3.6	45
11	Biological decolourization of C.I. Direct Black 38 by <i>E. gallinarum</i> . <i>Journal of Hazardous Materials</i> , 2008, 157, 187-193.	12.4	42
12	Global DNA methylation profiling of manganese-exposed human neuroblastoma SH-SY5Y cells reveals epigenetic alterations in Parkinson's disease-associated genes. <i>Archives of Toxicology</i> , 2017, 91, 2629-2641.	4.2	41
13	Detoxification of benzidine-based azo dye by <i>E. gallinarum</i> : Time-course study. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 960-964.	6.0	38
14	Role of fluoride induced epigenetic alterations in the development of skeletal fluorosis. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 410-417.	6.0	38
15	Carbonic anhydrase mediated carbon dioxide sequestration: Promises, challenges and future prospects. <i>Journal of Basic Microbiology</i> , 2014, 54, 472-481.	3.3	36
16	Bacterial reduction in genotoxicity of Direct Red 28 dye. <i>Chemosphere</i> , 2009, 74, 1404-1406.	8.2	35
17	Biodegradation and detoxification of chloronitroaromatic pollutant by <i>Cupriavidus</i> . <i>Bioresource Technology</i> , 2017, 223, 184-191.	9.6	33
18	Biodiversity and dye decolourization ability of an acclimatized textile sludge. <i>Bioresource Technology</i> , 2008, 99, 5094-5098.	9.6	28

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19	Kinetics of decolourisation and biotransformation of direct black 38 by <i>C. hominis</i> and <i>P. stutzeri</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 1145-1152.	3.6	26
20	Oxidative Stress and Genotoxicity of Zinc Oxide Nanoparticles to <i>Pseudomonas</i> Species, Human Promyelocytic Leukemic (HL-60), and Blood Cells. <i>Biological Trace Element Research</i> , 2017, 178, 218-227.	3.5	26
21	Lateral gene transfer in phylogeny of azoreductase enzyme. <i>Computational Biology and Chemistry</i> , 2008, 32, 191-197.	2.3	21
22	An integrated genomic and proteomic approach to identify signatures of endosulfan exposure in hepatocellular carcinoma cells. <i>Pesticide Biochemistry and Physiology</i> , 2015, 125, 8-16.	3.6	14
23	Mercuric reductase activity of multiple heavy metal-resistant <i>Lysinibacillus sphaericus</i> G1. <i>Journal of Basic Microbiology</i> , 2015, 55, 285-292.	3.3	12
24	Mercury resistance in <i>Sporosarcina</i> sp. G3. <i>BioMetals</i> , 2011, 24, 301-309.	4.1	10
25	Structural and functional characterization of mercuric reductase from <i>Lysinibacillus sphaericus</i> strain G1. <i>BioMetals</i> , 2017, 30, 809-819.	4.1	10
26	Remediation of different nitroaromatic pollutants by a promising agent of <i>Cupriavidus</i> sp. strain a3. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111138.	6.0	10
27	Dynamics of effluent treatment plant during commissioning of activated sludge process unit. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3538-3546.	5.3	8
28	Identification and characterization of azoreductase enzyme AzoR2 from <i>Bacillus velezensis</i> for biodegradation of azo dyes. <i>International Biodeterioration and Biodegradation</i> , 2022, 167, 105351.	3.9	7
29	Purification, characterization, and crystal structure of YhdA-type azoreductase from <i>Bacillus velezensis</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 483-492.	2.6	6
30	Mutagenicity and Genotoxicity Testing in Environmental Pollution Control. , 2018, , 113-132.		5