Sabir Hussain

List of Publications by Year
in descending order

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55 papers	2,173 citations	236833 25 h-index	233338 45 g-index
57 all docs	57 docs citations	57 times ranked	2481 citing authors

#	Article	IF	Citations
1	Bacterial lipases: A review on purification and characterization. Progress in Biophysics and Molecular Biology, 2018, 132, 23-34.	1.4	210
2	Microbial biotechnology for decolorization of textile wastewaters. Reviews in Environmental Science and Biotechnology, 2015, 14, 73-92.	3.9	190
3	Use of biogenic copper nanoparticles synthesized from a native Escherichia sp. as photocatalysts for azo dye degradation and treatment of textile effluents. Environmental Pollution, 2020, 257, 113514.	3.7	139
4	Perspectives of using fungi as bioresource for bioremediation of pesticides in the environment: a critical review. Environmental Science and Pollution Research, 2016, 23, 16904-16925.	2.7	107
5	Biogenic copper nanoparticles synthesized by using a copper-resistant strain Shigella flexneri SNT22 reduced the translocation of cadmium from soil to wheat plants. Journal of Hazardous Materials, 2020, 398, 123175.	6.5	92
6	Yeast extract promotes decolorization of azo dyes by stimulating azoreductase activity in Shewanella sp. strain IFN4. Ecotoxicology and Environmental Safety, 2016, 124, 42-49.	2.9	83
7	Copper-resistant bacteria reduces oxidative stress and uptake of copper in lentil plants: potential for bacterial bioremediation. Environmental Science and Pollution Research, 2016, 23, 220-233.	2.7	83
8	Abiotic and Biotic Processes Governing the Fate of Phenylurea Herbicides in Soils: A Review. Critical Reviews in Environmental Science and Technology, 2015, 45, 1947-1998.	6.6	77
9	Effect of Reactive Black 5 azo dye on soil processes related to C and N cycling. PeerJ, 2018, 6, e4802.	0.9	77
10	Potential plant growth-promoting strain Bacillus sp. SR-2-1/1 decolorized azo dyes through NADH-ubiquinone:oxidoreductase activity. Bioresource Technology, 2017, 235, 176-184.	4.8	71
11	Synthesis of nZVI-Ni@BC composite as a stable catalyst to activate persulfate: Trichloroethylene degradation and insight mechanism. Journal of Environmental Chemical Engineering, 2021, 9, 104808.	3.3	68
12	Isolating, screening and applying chromium reducing bacteria to promote growth and yield of okra (Hibiscus esculentus L.) in chromium contaminated soils. Ecotoxicology and Environmental Safety, 2015, 114, 343-349.	2.9	63
13	Isolation and characterization of an isoproturon mineralizing Sphingomonas sp. strain SH from a French agricultural soil. Biodegradation, 2011, 22, 637-650.	1.5	62
14	Biodecolorization of reactive black-5 by a metal and salt tolerant bacterial strain Pseudomonas sp. RA20 isolated from Paharang drain effluents in Pakistan. Ecotoxicology and Environmental Safety, 2013, 98, 331-338.	2.9	59
15	The stability of textile azo dyes in soil and their impact on microbial phospholipid fatty acid profiles. Ecotoxicology and Environmental Safety, 2015, 120, 163-168.	2.9	57
16	Use of RSM modeling for optimizing decolorization of simulated textile wastewater by Pseudomonas aeruginosa strain ZM130 capable of simultaneous removal of reactive dyes and hexavalent chromium. Environmental Science and Pollution Research, 2016, 23, 11224-11239.	2.7	57
17	Nickel phytoextraction through bacterial inoculation in Raphanus sativus. Chemosphere, 2018, 190, 234-242.	4.2	57
18	Assessment of nickel bioavailability through chemical extractants and red clover (Trifolium pratense) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Environmental Safety, 2018, 149, 116-127.	2.9	46

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19	The potential of an energy crop â€œConocarpus erectusâ€•for lead phytoextraction and phytostabilization of chromium, nickel, and cadmium: An excellent option for the management of multi-metal contaminated soils. Ecotoxicology and Environmental Safety, 2019, 173, 273-284.	2.9	44
20	Green synthesis of silver nanoparticles transformed synthetic textile dye into less toxic intermediate molecules through LC-MS analysis and treated the actual wastewater. Environmental Research, 2020, 191, 110142.	3.7	43
21	Characterization of Reactive Red-120 Decolorizing Bacterial Strain Acinetobacter junii FA10 Capable of Simultaneous Removal of Azo Dyes and Hexavalent Chromium. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	38
22	Characterization of an isoproturon mineralizing bacterial culture enriched from a French agricultural soil. Chemosphere, 2009, 77, 1052-1059.	4.2	32
23	Simultaneous removal of malachite green and hexavalent chromium by Cunninghamella elegans biofilm in a semi-continuous system. International Biodeterioration and Biodegradation, 2017, 125, 142-149.	1.9	31
24	Spatial distribution of pollutant emissions from crop residue burning in the Punjab and Sindh provinces of Pakistan: uncertainties and challenges. Environmental Science and Pollution Research, 2015, 22, 16475-16491.	2.7	30
25	Comparative efficacy of biogenic zinc oxide nanoparticles synthesized by Pseudochrobactrum sp. C5 and chemically synthesized zinc oxide nanoparticles for catalytic degradation of dyes and wastewater treatment. Environmental Science and Pollution Research, 2021, 28, 28307-28318.	2.7	29
26	Highly efficient degradation of trichloroethylene in groundwater based on persulfate activation by polyvinylpyrrolidone functionalized Fe/Cu bimetallic nanoparticles. Journal of Environmental Chemical Engineering, 2021, 9, 105341.	3.3	28
27	Characterization and Purification of Membraneâ€Bound Azoreductase From Azo Dye Degrading Shewanella sp. Strain IFN4. Clean - Soil, Air, Water, 2016, 44, 1523-1530.	0.7	20
28	Bacterial impregnation of mineral fertilizers improves yield and nutrient use efficiency of wheat. Journal of the Science of Food and Agriculture, 2017, 97, 3685-3690.	1.7	20
29	Toxicity of biogenic zinc oxide nanoparticles to soil organic matter cycling and their interaction with rice-straw derived biochar. Scientific Reports, 2021, 11, 8429.	1.6	20
30	Characterization of a salt resistant bacterial strain Proteus sp. NA6 capable of decolorizing reactive dyes in presence of multi-metal stress. World Journal of Microbiology and Biotechnology, 2016, 32, 181.	1.7	19
31	Enzymatic detoxification of azo dyes by a multifarious Bacillus sp. strain MR-1/2-bearing plant growth-promoting characteristics. 3 Biotech, 2018, 8, 425.	1.1	19
32	Application of a Dye-Decolorizing Pseudomonas aeruginosa Strain ZM130 for Remediation of Textile Wastewaters in Aerobic/Anaerobic Sequential Batch Bioreactor and Soil Columns. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	19
33	Bentonite and Biochar Mitigate Pb Toxicity in Pisum sativum by Reducing Plant Oxidative Stress and Pb Translocation. Plants, 2019, 8, 571.	1.6	18
34	<B>Decolorization of Reactive Black-5 by</B> <B><I>Shewanella</I></B> <B>sp. in the Presence of Metal Ions and Salts</B>. Water Environment Research, 2015, 87, 579-586.	1.3	17
35	Biodecolorization of Reactive Yellowâ€2 by Serratia sp. RN34 Isolated from Textile Wastewater. Water Environment Research, 2015, 87, 2065-2075.	1.3	17
36	Isolation, Characterization of Zn Solubilizing Bacterium (Pseudomonas protegens RY2) and its Contribution in Growth of Chickpea (Cicer arietinum L) as Deciphered by Improved Growth Parameters and Zn Content. Dose-Response, 2021, 19, 155932582110367.	0.7	17

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37	Oil industry waste: a potential feedstock for biodiesel production. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	13
38	Carbon mineralization in response to nitrogen and litter addition in surface and subsoils in an agroecosystem. Archives of Agronomy and Soil Science, 2016, 62, 1285-1292.	1.3	12
39	Isolation and characterization of a lead (Pb) tolerant Pseudomonas aeruginosa strain HF5 for decolorization of reactive red-120 and other azo dyes. Annals of Microbiology, 2018, 68, 943-952.	1.1	12
40	Biodiesel production from algae grown on food industry wastewater. Environmental Monitoring and Assessment, 2018, 190, 271.	1.3	10
41	Advances in the Synthesis and Application of Anti-Fouling Membranes Using Two-Dimensional Nanomaterials. Membranes, 2021, 11, 605.	1.4	9
42	Simultaneous Removal of Reactive Dyes and Hexavalent Chromium by a Metal Tolerant Pseudomonas sp. WS-D/183 Harboring Plant Growth Promoting Traits. International Journal of Agriculture and Biology, 2020, 23, 241-252.	0.2	8
43	Simultaneous use of plant growth promoting rhizobacterium and nitrogenous fertilizers may help in promoting growth, yield, and nutritional quality of okra. Journal of Plant Nutrition, 2017, 40, 1339-1350.	0.9	6
44	Bioremediation of Isoproturon Herbicide in Agricultural Soils. Environmental Science and Engineering, 2017, , 83-104.	0.1	6
45	BacillusÂ firmusÂ strainÂ FSS2CÂ ameliorated Â oxidativeÂ stressÂ inÂ wheatÂ plantsÂ inducedÂ byÂ azoÂ dyeÂ (reactiveÂ) Tj ETQq1 1	1.1	6
46	Effect of Micronutrient and Hormone on Microalgae Growth Assessment for Biofuel Feedstock. Sustainability, 2021, 13, 5035.	1.6	6
47	Green remediation of salineâ€“sodic Pb-factored soil by growing salt-tolerant rice cultivar along with soil applied inorganic amendments. Paddy and Water Environment, 2020, 18, 637-649.	1.0	5
48	Evaluation of Symbiotic Association between Various Rhizobia, Capable of Producing Plant-Growth-Promoting Biomolecules, and Mung Bean for Sustainable Production. Sustainability, 2021, 13, 13832.	1.6	4
49	Comparative efficacy of ANN and ANFIS models in estimating biosurfactant production produced by Klebseilla sp. FKOD36. Stochastic Environmental Research and Risk Assessment, 2016, 30, 353-363.	1.9	3
50	Fungal diversity and frequency carried by housefly (Musca domestica L.) and their relation with stored grains in rural areas of Pakistan. Journal of Food Safety, 2018, 38, e12508.	1.1	2
51	Processes governing the environmental fates of alachlor in soil and aqueous media: a critical review. International Journal of Environmental Science and Technology, 0, , 1.	1.8	2
52	Inoculation with the pH Lowering Plant Growth Promoting Bacterium Bacillus sp. ZV6 Enhances Ni Phytoextraction by Salix alba from a Ni-Polluted Soil Receiving Effluents from Ni Electroplating Industry. Sustainability, 2022, 14, 6975.	1.6	2
53	Using expert knowledge data to validate crop models on local situation data. Archives of Agronomy and Soil Science, 2016, 62, 217-234.	1.3	1
54	Comparative Efficacy of Bio-organic and Mineral Phosphate on the Growth, Yield and Economics of Wheat (Triticum aestivum L.) Grown by Different Methods. Communications in Soil Science and Plant Analysis, 2017, 48, 73-82.	0.6	1

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55	Environmental Effects and Microbial Detoxification of Textile Dyes. Environmental Chemistry for A Sustainable World, 2020, , 289-326.	0.3	1