

Muhammad Bilal Shakoor

List of Publications by Year in descending order

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44
papers

3,566
citations

218381
26
h-index

276539
41
g-index

44
all docs

44
docs citations

44
times ranked

3303
citing authors

#	ARTICLE	IF	CITATIONS
1	Citric acid assisted phytoremediation of cadmium by <i>Brassica napus</i> L. <i>Ecotoxicology and Environmental Safety</i> , 2014, 106, 164-172.	2.9	302
2	Drinking Water Quality Status and Contamination in Pakistan. <i>BioMed Research International</i> , 2017, 2017, 1-18.	0.9	245
3	A critical review on arsenic removal from water using biochar-based sorbents: The significance of modification and redox reactions. <i>Chemical Engineering Journal</i> , 2020, 396, 125195.	6.6	243
4	EDTA enhanced plant growth, antioxidant defense system, and phytoextraction of copper by <i>Brassica napus</i> L.. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1534-1544.	2.7	217
5	Citric acid assisted phytoremediation of copper by <i>Brassica napus</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 310-317.	2.9	191
6	Effect of zinc-lysine on growth, yield and cadmium uptake in wheat (<i>Triticum aestivum</i> L.) and health risk assessment. <i>Chemosphere</i> , 2017, 187, 35-42.	4.2	175
7	Human health implications, risk assessment and remediation of As-contaminated water: A critical review. <i>Science of the Total Environment</i> , 2017, 601-602, 756-769.	3.9	170
8	Remediation of arsenic-contaminated water using agricultural wastes as biosorbents. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 467-499.	6.6	161
9	Unraveling Health Risk and Speciation of Arsenic from Groundwater in Rural Areas of Punjab, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 12371-12390.	1.2	157
10	Citric acid improves lead (pb) phytoextraction in <i>brassica napus</i> L. by mitigating pb-induced morphological and biochemical damages. <i>Ecotoxicology and Environmental Safety</i> , 2014, 109, 38-47.	2.9	145
11	Exploring the arsenic removal potential of various biosorbents from water. <i>Environment International</i> , 2019, 123, 567-579.	4.8	130
12	The evaluation of arsenic contamination potential, speciation and hydrogeochemical behaviour in aquifers of Punjab, Pakistan. <i>Chemosphere</i> , 2018, 199, 737-746.	4.2	119
13	Phosphate-assisted phytoremediation of arsenic by <i>Brassica napus</i> and <i>Brassica juncea</i> : Morphological and physiological response. <i>International Journal of Phytoremediation</i> , 2017, 19, 670-678.	1.7	112
14	A review of biochar-based sorbents for separation of heavy metals from water. <i>International Journal of Phytoremediation</i> , 2020, 22, 111-126.	1.7	110
15	Arsenic removal by natural and chemically modified water melon rind in aqueous solutions and groundwater. <i>Science of the Total Environment</i> , 2018, 645, 1444-1455.	3.9	96
16	Silicon alleviates nickel toxicity in cotton seedlings through enhancing growth, photosynthesis, and suppressing Ni uptake and oxidative stress. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 633-647.	1.3	95
17	Groundwater status in Pakistan: A review of contamination, health risks, and potential needs. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1713-1762.	6.6	84
18	High sorption efficiency for As(III) and As(V) from aqueous solutions using novel almond shell biochar. <i>Chemosphere</i> , 2020, 243, 125330.	4.2	81

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19	EDTA ameliorates phytoextraction of lead and plant growth by reducing morphological and biochemical injuries in <i>Brassica napus</i> L. under lead stress. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9899-9910.	2.7	79
20	Engineered biochars for recovering phosphate and ammonium from wastewater: A review. <i>Science of the Total Environment</i> , 2021, 779, 146240.	3.9	77
21	Comparative efficiency of peanut shell and peanut shell biochar for removal of arsenic from water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 18624-18635.	2.7	69
22	Human health risk assessment of arsenic in groundwater aquifers of Lahore, Pakistan. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 836-850.	1.7	67
23	Adsorption-reduction performance of tea waste and rice husk biochars for Cr(VI) elimination from wastewater. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 799-810.	2.4	66
24	Foliar application of aspartic acid lowers cadmium uptake and Cd-induced oxidative stress in rice under Cd stress. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21938-21947.	2.7	65
25	Synthesis and Application of Titanium Dioxide Nanoparticles for Removal of Cadmium from Wastewater: Kinetic and Equilibrium Study. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	36
26	Selective Removal of Hexavalent Chromium from Wastewater by Rice Husk: Kinetic, Isotherm and Spectroscopic Investigation. <i>Water (Switzerland)</i> , 2021, 13, 263.	1.2	32
27	Bacterial Augmented Floating Treatment Wetlands for Efficient Treatment of Synthetic Textile Dye Wastewater. <i>Sustainability</i> , 2020, 12, 3731.	1.6	29
28	Tea waste as a potential biowaste for removal of hexavalent chromium from wastewater: equilibrium and kinetic studies. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	27
29	Biogeochemical cycling, speciation and transformation pathways of arsenic in aquatic environments with the emphasis on algae. <i>Comprehensive Analytical Chemistry</i> , 2019, 85, 15-51.	0.7	21
30	Synthesis and characterization of a novel single-phase sputtered Cu ₂ O thin films: Structural, antibacterial activity and photocatalytic degradation of methylene blue. <i>Inorganic Chemistry Communication</i> , 2021, 128, 108606.	1.8	20
31	Effective Removal of Cr(VI) from Wastewater Using Biochar Derived from Walnut Shell. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9670.	1.2	19
32	Comparative evaluation of wheat straw and press mud biochars for Cr(VI) elimination from contaminated aqueous solution. <i>Environmental Technology and Innovation</i> , 2020, 19, 101017.	3.0	18
33	Biomass for renewable energy production in Pakistan: current state and prospects. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	17
34	Investigation of Lithium Application and Effect of Organic Matter on Soil Health. <i>Sustainability</i> , 2021, 13, 1705.	1.6	15
35	Enhanced Solar Photocatalytic Reduction of Cr(VI) Using a (ZnO/CuO) Nanocomposite Grafted onto a Polyester Membrane for Wastewater Treatment. <i>Polymers</i> , 2021, 13, 4047.	2.0	14
36	Green and eco-friendly synthesis of TiO ₂ nanoparticles and their application for removal of cadmium from wastewater: reaction kinetics study. <i>Zeitschrift Fur Physikalische Chemie</i> , 2022, 236, 637-657.	1.4	12

#	ARTICLE	IF	CITATIONS
37	Phytoremediation of Arsenic-Contaminated Soils Using Arsenic Hyperaccumulating Ferns. , 2016, , 521-545.		10
38	Recent Advances in Arsenic Accumulation in Rice. , 2019, , 385-398.		10
39	Synthesis and Application of Egg Shell Biochar for As(V) Removal from Aqueous Solutions. Catalysts, 2022, 12, 431.	1.6	9
40	Quantitative Estimation of the Hydroquinone, Mercury and Total Plate Count in Skin-Lightening Creams. Sustainability, 2021, 13, 8786.	1.6	7
41	Efficacy of Lemna minor and Typha latifolia for the treatment of textile industry wastewater in a constructed wetland under citric acid amendment: A lab scale study. Chemosphere, 2021, 283, 131107.	4.2	7
42	Microwave Irradiation and Glutamic Acid-Assisted Phytotreatment of Textile and Surgical Industrial Wastewater by Sorghum. Molecules, 2022, 27, 4004.	1.7	3
43	A comprehensive study on the surface chemistry of particulate matter collected from Jeddah, Saudi Arabia. Journal of Atmospheric Chemistry, 2018, 75, 271-283.	1.4	2
44	Developments in Nanoadsorbents for the Treatment of Arsenic-Contaminated Water. , 2021, , 325-361.		2