Muhammad Azeem

List of Publications by Year
in descending order

40 papers	1,254 citations	361388 20 h-index	377849 34 g-index
40 all docs	40 docs citations	40 times ranked	1115 citing authors

#	Article	IF	Citations
1	Characterization of biochar derived from bamboo and its application to modulate the toxic effects of chromium on wheat plant. Biomass Conversion and Biorefinery, 2024, 14, 7643-7658.	4.6	5
2	Soil metaphenomics: a step forward in metagenomics. Archives of Agronomy and Soil Science, 2022, 68, 1645-1663.	2.6	5
3	Zirconium hydroxide nanoparticle encapsulated magnetic biochar composite derived from rice residue: Application for As(III) and As(V) polluted water purification. Journal of Hazardous Materials, 2022, 423, 127081.	12.4	93
4	Removal of potentially toxic elements from contaminated soil and water using bone char compared to plant- and bone-derived biochars: A review. Journal of Hazardous Materials, 2022, 427, 128131.	12.4	31
5	Correlative distribution of DOM and heavy metals in the soils of the Zhangxi watershed in Ningbo city, East of China. Environmental Pollution, 2022, 299, 118811.	7.5	25
6	Soil inorganic carbon sequestration through alkalinity regeneration using biologically induced weathering of rock powder and biochar. Soil Ecology Letters, 2022, 4, 293-306.	4.5	9
7	Hydroxyapatite tailored hierarchical porous biochar composite immobilized Cd(II) and Pb(II) and mitigated their hazardous effects in contaminated water and soil. Journal of Hazardous Materials, 2022, 437, 129330.	12.4	62
8	Removal of lead (Pb+2) from contaminated water using a novel MoO3-biochar composite: Performance and mechanism. Environmental Pollution, 2022, 308, 119693.	7.5	28
9	Tea leaves biochar as a carrier of Bacillus cereus improves the soil function and crop productivity. Applied Soil Ecology, 2021, 157, 103732.	4.3	47
10	Green remediation of toxic metals contaminated mining soil using bacterial consortium and Brassica juncea. Environmental Pollution, 2021, 277, 116789.	7.5	57
11	Bone-derived biochar improved soil quality and reduced Cd and Zn phytoavailability in a multi-metal contaminated mining soil. Environmental Pollution, 2021, 277, 116800.	7.5	66
12	Chitosan crosslinked with polyamine-co-melamine for adsorption of Hg2+: Application in purification of polluted water. International Journal of Biological Macromolecules, 2021, 181, 778-785.	7.5	18
13	Distribution and Influence on the Microbial Ecological Relationship of Antibiotic Resistance Genes in Soil at a Watershed Scale. Sustainability, 2021, 13, 9748.	3.2	6
14	Effects of sheep bone biochar on soil quality, maize growth, and fractionation and phytoavailability of Cd and Zn in a mining-contaminated soil. Chemosphere, 2021, 282, 131016.	8.2	36
15	Influence of compost and biochar on soil biological properties under turfgrass supplied deficit irrigation. Applied Soil Ecology, 2021, 168, 104134.	4.3	17
16	Streptomyces pactum and Bacillus consortium influenced the bioavailability of toxic metals, soil health, and growth attributes of Symphytum officinale in smelter/mining polluted soil. Environmental Pollution, 2021, 291, 118237.	7.5	17
17	Bacillus subtilis and saponin shifted the availability of heavy metals, health indicators of smelter contaminated soil, and the physiological indicators of Symphytum officinale. Chemosphere, 2021, 285, 131454.	8.2	12
18	Synergistic use of biochar and acidified manure for improving growth of maize in chromium contaminated soil. International Journal of Phytoremediation, 2020, 22, 52-61.	3.1	42

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19	Efficiency of Wheat Straw Biochar in Combination with Compost and Biogas Slurry for Enhancing Nutritional Status and Productivity of Soil and Plant. Plants, 2020, 9, 1516.	3.5	25
20	Remediation of heavy metals polluted environment using Fe-based nanoparticles: Mechanisms, influencing factors, and environmental implications. Environmental Pollution, 2020, 264, 114728.	7.5	105
21	Apricot shell- and apple tree-derived biochar affect the fractionation and bioavailability of Zn and Cd as well as the microbial activity in smelter contaminated soil. Environmental Pollution, 2020, 264, 114773.	7.5	82
22	Crop types have stronger effects on soil microbial communities and functionalities than biochar or fertilizer during two cycles of legume-cereal rotations of dry land. Science of the Total Environment, 2020, 715, 136958.	8.0	50
23	Plant-Microbes Interactions and Functions in Changing Climate. , 2020, , 397-419.		10
24	Biochar and compost effects on soil microbial communities and nitrogen induced respiration in turfgrass soils. PLoS ONE, 2020, 15, e0242209.	2.5	39
25	Promising Technologies for Cd-Contaminated Soils: Drawbacks and Possibilities. , 2020, , 63-91.		6
26	Phytoremediation of Heavy Metals-Polluted Soil. , 2020, , 213-229.		1
27	Comparative efficiency of wheat straw and sugarcane bagasse biochar reduces the cadmium bioavailability to spinach and enhances the microbial activity in contaminated soil. International Journal of Phytoremediation, 2019, 21, 1098-1103.	3.1	40
28	Effects of Organic and Inorganic Passivators on the Immobilization of Cadmium in Contaminated Soils: A Review. Environmental Engineering Science, 2019, 36, 986-998.	1.6	32
29	Effects of biochar and NPK on soil microbial biomass and enzyme activity during 2 years of application in the arid region. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	24
30	Biochar improves soil quality and N2-fixation and reduces net ecosystem CO2 exchange in a dryland legume-cereal cropping system. Soil and Tillage Research, 2019, 186, 172-182.	5.6	85
31	Response of soil microbial biomass and enzymatic activity to biochar amendment in the organic carbon deficient arid soil: a 2-year field study. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	49
32	Carbon Sequestration in Alkaline Soils. Sustainable Agriculture Reviews, 2019, , 149-167.	1.1	1
33	Correlation between Von Speeâ€™s Curve and Vertical Dental Eruptions in Class II Division-2 Malocclusion. Orthodontic Journal of Nepal, 2018, 7, 24-27.	0.1	0
34	Heavy Metal Accumulation in Vegetables and Assessment of their Potential Health Risk. Journal of Environmental Analytical Chemistry, 2018, 05, .	0.3	61
35	Weed control in mungbean (Vigna radiata L.) through Parthenium water extract in combination with a herbicide. International Journal of Biosciences, 2018, 12, 36-48.	0.1	0
36	Isolation, Characterization of PSB stains from rock phosphate and their potential as Biofertilizer. International Journal of Biosciences, 2017, 10, 72-80.	0.1	3

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37	Microbial phytase activity and their role in organic P mineralization. Archives of Agronomy and Soil Science, 2015, 61, 751-766.	2.6	57
38	Correlation of environmental variables on canker disease development in commercial citrus cultivars of Pakistan. International Journal of Biosciences, 2015, 7, 1-13.	0.1	1
39	Nutrients release pattern during co-composting of poultry litter and different sources of fast food wastes. International Journal of Biosciences, 2014, 5, 105-115.	0.1	3
40	Weeds Biomass as Affected by Tillage Practices and Cropping Systems under a Semiarid Environment. Planta Daninha, 0, 38, .	0.5	4