Waqas-ud-Din Khan

List of Publications by Year
in descending order

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23 papers	954 citations	623734 14 h-index	752698 20 g-index
25 all docs	25 docs citations	25 times ranked	1127 citing authors

#	Article	IF	Citations
1	Alleviation of nickel toxicity and an improvement in zinc bioavailability in sunflower seed with chitosan and biochar application in pH adjusted nickel contaminated soil. Archives of Agronomy and Soil Science, 2018, 64, 1053-1067.	2.6	164
2	CO2 capture and storage: A way forward for sustainable environment. Journal of Environmental Management, 2018, 226, 131-144.	7.8	158
3	Improved quinoa growth, physiological response, and seed nutritional quality in three soils having different stresses by the application of acidified biochar and compost. Plant Physiology and Biochemistry, 2017, 116, 127-138.	5.8	86
4	Combined application of biochar with compost and fertilizer improves soil properties and grain yield of maize. Journal of Plant Nutrition, 2018, 41, 112-122.	1.9	85
5	Potential of miscanthus biochar to improve sandy soil health, in situ nickel immobilization in soil and nutritional quality of spinach. Chemosphere, 2017, 185, 1144-1156.	8.2	55
6	Effect of different amendments on rice (Oryza sativa L.) growth, yield, nutrient uptake and grain quality in Ni-contaminated soil. Environmental Science and Pollution Research, 2016, 23, 18585-18595.	5.3	51
7	Influence of Iron-Enriched Biochar on Cd Sorption, Its Ionic Concentration and Redox Regulation of Radish under Cadmium Toxicity. Agriculture (Switzerland), 2021, 11, 1.	3.1	49
8	Silicon nutrition mitigates salinity stress in maize by modulating ion accumulation, photosynthesis, and antioxidants. Photosynthetica, 2018, 56, 1047-1057.	1.7	47
9	Differentiation between physical and chemical effects of oil presence in freshly spiked soil during rhizoremediation trial. Environmental Science and Pollution Research, 2019, 26, 18451-18464.	5.3	43
10	Silicon: a beneficial nutrient for maize crop to enhance photochemical efficiency of photosystem II under salt stress. Archives of Agronomy and Soil Science, 2017, 63, 599-611.	2.6	41
11	In situ immobilization of Cd by organic amendments and their effect on antioxidant enzyme defense mechanism in mung bean (Vigna radiata L.) seedlings. Plant Physiology and Biochemistry, 2017, 118, 561-570.	5.8	29
12	Soil microbial biomass and extracellular enzymeâ€“mediated mineralization potentials of carbon and nitrogen under long-term fertilization (>â€‰30Âyears) in a riceâ€“rice cropping system. Journal of Soils and Sediments, 2021, 21, 3789-3800.	3.0	19
13	Cost-effective enhanced iron bioavailability in rice grain grown on calcareous soil by sulfur mediation and its effect on heavy metals mineralization. Environmental Science and Pollution Research, 2017, 24, 1219-1228.	5.3	16
14	Vulnerability, well-being, and livelihood adaptation under changing environmental conditions: a case from mountainous region of Pakistan. Environmental Science and Pollution Research, 2019, 26, 26748-26764.	5.3	16
15	Silicon and zinc nanoparticles-enriched miscanthus biochar enhanced seed germination, antioxidant defense system, and nutrient status of radish under NaCl stress. Crop and Pasture Science, 2022, 73, 556-572.	1.5	16
16	An Overview of Salinity Tolerance Mechanism in Plants. Signaling and Communication in Plants, 2020, , 1-16.	0.7	14
17	Iron oxide nanoparticles doped biochar ameliorates trace elements induced phytotoxicity in tomato by modulation of physiological and biochemical responses: Implications for human health risk. Chemosphere, 2022, 289, 133203.	8.2	13
18	Silicon: A Beneficial Nutrient Under Salt Stress, Its Uptake Mechanism and Mode of Action. , 2016, , 287-301.		12

#	Article	IF	Citations
19	Interaction of pristine and mineral engineered biochar with microbial community in attenuating the heavy metals toxicity: A review. Applied Soil Ecology, 2022, 175, 104444.	4.3	12
20	Improving iron bioavailability and nutritional value of maize (Zea mays L.) in sulfur-treated calcareous soil. Archives of Agronomy and Soil Science, 2017, 63, 1255-1266.	2.6	10
21	Iron Biofortification of Cereals Grown Under Calcareous Soils: Problems and Solutions. , 2016, , 231-258.		8
22	Iron-Doped Biochar Regulated Soil Nickel Adsorption, Wheat Growth, Its Physiology and Elemental Concentration under Contrasting Abiotic Stresses. Sustainability, 2022, 14, 7852.	3.2	8
23	Chitosan Polymerized Silica Composite as a Potential Silicon Source: Modulation on Antioxidant Enzymes, Ionic Homeostasis, and Grain Quality in Maize Plants Under Na+ Stress. Journal of Plant Growth Regulation, 0, , .	5.1	0