Muhammad Amjad

List of Publications by Year
in descending order

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65 papers	3,031 citations	172207 29 h-index	174990 52 g-index
67 all docs	67 docs citations	67 times ranked	3664 citing authors

#	Article	IF	Citations
1	Assessment of cadmium and lead tolerance potential of quinoa (Chenopodium quinoa Willd) and its implications for phytoremediation and human health. Environmental Geochemistry and Health, 2022, 44, 1487-1500.	1.8	19
2	Salinity modulates lead (Pb) tolerance and phytoremediation potential of quinoa: a multivariate comparison of physiological and biochemical attributes. Environmental Geochemistry and Health, 2022, 44, 257-272.	1.8	18
3	Zinc in soil-plant-human system: A data-analysis review. Science of the Total Environment, 2022, 808, 152024.	3.9	67
4	Physiological and biochemical characterization of Kalongi (Nigella sativa) against arsenic stress: Implications for human health risk assessment. Environmental Pollution, 2022, 298, 118829.	3.7	4
5	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.	4.2	13
6	Multivariate analysis of accumulation and critical risk analysis of potentially hazardous elements in forage crops. Environmental Monitoring and Assessment, 2022, 194, 139.	1.3	4
7	Resistance to NaCl salinity is positively correlated with iron and zinc uptake potential of wheat genotypes. Crop and Pasture Science, 2022, 73, 546-555.	0.7	5
8	TEMPORAL VARIATIONS IN SOIL CHEMICAL PROPERTIES AND NUTRIENT AVAILABILITY IN RESPONSE TO MAIZE BIOCHAR PRODUCED AT DIFFERENT TEMPERATURES. Pakistan Journal of Agricultural Sciences, 2022, 56, 291-300.	0.1	3
9	Potential of Fish Scale Biochar Nanocomposite with ZnO for Effective Sequestration of Cr (VI) from Water: Modeling and Kinetics. International Journal of Environmental Research, 2022, 16, .	1.1	3
10	Synthesis, characterization and application of novel MnO and CuO impregnated biochar composites to sequester arsenic (As) from water: Modeling, thermodynamics and reusability. Journal of Hazardous Materials, 2021, 401, 123338.	6.5	112
11	Soil sodicity is more detrimental than salinity for quinoa (Chenopodium quinoa Willd.): A multivariate comparison of physiological, biochemical and nutritional quality attributes. Journal of Agronomy and Crop Science, 2021, 207, 59-73.	1.7	41
12	Distribution and health risk assessment of trace elements in ground/surface water of Kot Addu, Punjab, Pakistan: a multivariate analysis. Environmental Monitoring and Assessment, 2021, 193, 351.	1.3	11
13	Effects of arsenite on physiological, biochemical and grain yield attributes of quinoa (Chenopodium quinoa Willd.): implications for phytoremediation and health risk assessment. International Journal of Phytoremediation, 2021, 23, 890-898.	1.7	10
14	Comparative physiological and biochemical evaluation of salt and nickel tolerance mechanisms in two contrasting tomato genotypes. Physiologia Plantarum, 2020, 168, 27-37.	2.6	22
15	A new biochar from cotton stalks for As (V) removal from aqueous solutions: its improvement with H3PO4 and KOH. Environmental Geochemistry and Health, 2020, 42, 2519-2534.	1.8	38
16	Effect of salinity on physiological, biochemical and photostabilizing attributes of two genotypes of quinoa (Chenopodium quinoa Willd.) exposed to arsenic stress. Ecotoxicology and Environmental Safety, 2020, 187, 109814.	2.9	63
17	Compositional and health risk assessment of drinking water from health facilities of District Vehari, Pakistan. Environmental Geochemistry and Health, 2020, 42, 2425-2437.	1.8	25
18	Nickel Toxicity Induced Changes in Nutrient Dynamics and Antioxidant Profiling in Two Maize (Zea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	51

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19	Potential of siltstone and its composites with biochar and magnetite nanoparticles for the removal of cadmium from contaminated aqueous solutions: Batch and column scale studies. Environmental Pollution, 2020, 259, 113938.	3.7	37
20	A multivariate analysis of comparative effects of heavy metals on cellular biomarkers of phytoremediation using Brassica oleracea. International Journal of Phytoremediation, 2020, 22, 617-627.	1.7	12
21	Link-Layer Rate of NOMA with Finite Blocklength for Low-Latency Communications. , 2020, , .		3
22	Hydrogeochemical investigation of arsenic in drinking water of schools and age dependent risk assessment in Vehari District, Punjab Pakistan: a multivariate analysis. Environmental Science and Pollution Research, 2020, 27, 30530-30541.	2.7	16
23	Effective sequestration of Cr (VI) from wastewater using nanocomposite of ZnO with cotton stalks biochar: modeling, kinetics, and reusability. Environmental Science and Pollution Research, 2020, 27, 33821-33834.	2.7	27
24	Acid treated biochar enhances cadmium tolerance by restricting its uptake and improving physio-chemical attributes in quinoa (Chenopodium quinoa Willd.). Ecotoxicology and Environmental Safety, 2020, 191, 110218.	2.9	38
25	NOMA Versus OMA in Finite Blocklength Regime: Link-Layer Rate Performance. IEEE Transactions on Vehicular Technology, 2020, 69, 16253-16257.	3.9	19
26	Salinity-Induced Changes in the Nutritional Quality of Bread Wheat (Triticum aestivum L.) Genotypes. Agrivita, 2020, 42, .	0.2	9
27	Magnetic resonance imaging findings in patients with initial manifestations of perianal fistulas. Annals of Saudi Medicine, 2020, 40, 42-48.	0.5	7
28	Effective Capacity in Wireless Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 3007-3038.	24.8	58
29	Batch and Column Scale Removal of Cadmium from Water Using Raw and Acid Activated Wheat Straw Biochar. Water (Switzerland), 2019, 11, 1438.	1.2	76
30	A Comparative Analysis of Salinity and Nickel Tolerance of Tomato (Solanum lycopersicum L.). Communications in Soil Science and Plant Analysis, 2019, 50, 2294-2308.	0.6	2
31	Synthesis of magnetite-based nanocomposites for effective removal of brilliant green dye from wastewater. Environmental Science and Pollution Research, 2019, 26, 24489-24502.	2.7	31
32	Trace Metals Accumulation and Antioxidants Profiling in Two Maize Genotypes Against Sewage and Textile Wastewater Treatment. Clean - Soil, Air, Water, 2019, 47, 1800063.	0.7	1
33	Municipal Solid Waste Compost Improves Crop Productivity in Saline-Sodic Soil: A Multivariate Analysis of Soil Chemical Properties and Yield Response. Communications in Soil Science and Plant Analysis, 2019, 50, 1013-1029.	0.6	16
34	Biogeochemical behavior of nickel under different abiotic stresses: toxicity and detoxification mechanisms in plants. Environmental Science and Pollution Research, 2019, 26, 10496-10514.	2.7	52
35	Effect of salinity on cadmium tolerance, ionic homeostasis and oxidative stress responses in conocarpus exposed to cadmium stress: Implications for phytoremediation. Ecotoxicology and Environmental Safety, 2019, 171, 146-153.	2.9	109
36	Foliar uptake of arsenic nanoparticles by spinach: an assessment of physiological and human health risk implications. Environmental Science and Pollution Research, 2019, 26, 20121-20131.	2.7	44

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37	A multivariate analysis of physiological and antioxidant responses and health hazards of wheat under cadmium and lead stress. Environmental Science and Pollution Research, 2019, 26, 362-370.	2.7	46
38	Germination, growth and ions uptake of moringa (Moringa oleifera L.) grown under saline condition. Journal of Plant Nutrition, 2018, 41, 1555-1565.	0.9	12
39	A review of EVs charging: From the perspective of energy optimization, optimization approaches, and charging techniques. Transportation Research, Part D: Transport and Environment, 2018, 62, 386-417.	3.2	125
40	Wireless Multimedia Cognitive Radio Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1056-1103.	24.8	141
41	Combined application of biochar with compost and fertilizer improves soil properties and grain yield of maize. Journal of Plant Nutrition, 2018, 41, 112-122.	0.9	85
42	Performance Analysis of NOMA for Ultra-Reliable and Low-Latency Communications. , 2018, , .		25
43	Arsenic Uptake, Toxicity, Detoxification, and Speciation in Plants: Physiological, Biochemical, and Molecular Aspects. International Journal of Environmental Research and Public Health, 2018, 15, 59.	1.2	541
44	COMPARATIVE TOLERANCE AND PHYTOSTABILIZATION POTENTIAL OF Conocarpus erectus AND Eucalyptus camaldulensis GROWN IN CADMIUM CONTAMINATED SOIL. Pakistan Journal of Agricultural Sciences, 2018, 55, 521-529.	0.1	5
45	Physiological and antioxidant response of wheat (Triticum aestivum) seedlings to fluoroquinolone antibiotics. Chemosphere, 2017, 177, 250-257.	4.2	87
46	Effect of wheat and rice straw biochar produced at different temperatures on maize growth and nutrient dynamics of a calcareous soil. Archives of Agronomy and Soil Science, 2017, 63, 2048-2061.	1.3	74
47	Full-Duplex Communication in Cognitive Radio Networks: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 2158-2191.	24.8	159
48	QoS-Aware and Heterogeneously Clustered Routing Protocol for Wireless Sensor Networks. IEEE Access, 2017, 5, 10250-10262.	2.6	68
49	Yield and nitrogen use efficiency of rice-wheat cropping system in gypsum amended saline-sodic soil. Journal of Soil Science and Plant Nutrition, 2017, 17, 686-701.	1.7	17
50	Growth and Physiological Responses of Quinoa to Drought and Temperature Stress. Journal of Agronomy and Crop Science, 2016, 202, 445-453.	1.7	76
51	Differential accumulation of potassium results in varied salt-tolerance response in tomato (Solanum) Tj ETQq1 1 0.784314 rgBT /Over	0.7	21
52	Effect of Enhanced Nickel Levels on Wheat Plant Growth and Physiology under Salt Stress. Communications in Soil Science and Plant Analysis, 2016, 47, 2538-2546.	0.6	19
53	Enhancing salt tolerance in quinoa by halotolerant bacterial inoculation. Functional Plant Biology, 2016, 43, 632.	1.1	104
54	Hybrid Rapid Response Routing Approach for Delay-Sensitive Data in Hospital Body Area Sensor Network. , 2016, , .		16

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55	Effectiveness of potassium in mitigating the salt-induced oxidative stress in contrasting tomato genotypes. Journal of Plant Nutrition, 2016, 39, 1926-1935.	0.9	14
56	TinyOS-New Trends, Comparative Views, and Supported Sensing Applications: A Review. IEEE Sensors Journal, 2016, 16, 2865-2889.	2.4	91
57	Nitrogen Management in Rice-Wheat Cropping System in Salt-Affected Soils. , 2016, , 67-89.		3
58	Climate variability and its impacts on water resources in the Upper Indus Basin under IPCC climate change scenarios. International Journal of Global Warming, 2015, 8, 46.	0.2	30
59	Antioxidative Response of Quinoa Exposed to Isoâ€Osmotic, Ionic and Nonâ€Ionic Salt Stress. Journal of Agronomy and Crop Science, 2015, 201, 452-460.	1.7	62
60	Molecular characterization of salinity tolerance in wheat (Triticum aestivumL.). Archives of Agronomy and Soil Science, 2015, , 1-8.	1.3	2
61	Evaluating the effectiveness of biofertilizer on salt tolerance of cotton (Gossypium hirsutumL.). Archives of Agronomy and Soil Science, 2015, 61, 1165-1177.	1.3	7
62	Soil and foliar application of potassium enhances fruit yield and quality of tomato under salinity. Turkish Journal of Biology, 2014, 38, 208-218.	2.1	44
63	Integrating role of ethylene and ABA in tomato plants adaptation to salt stress. Scientia Horticulturae, 2014, 172, 109-116.	1.7	74
64	Laboratory Methods for Diagnosis and Management of Hepatitis C Virus Infection. Laboratory Medicine, 2013, 44, 292-299.	0.8	9
65	Managing yield reductions from wide row spacing in wheat. Australian Journal of Experimental Agriculture, 2006, 46, 1313.	1.0	7