Nabeel Khan Niazi

List of Publications by Year
in descending order

177	12,252	24725	27442
papers	citations	56 h-index	104 g-index

182	182	182	11817
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chromium speciation, bioavailability, uptake, toxicity and detoxification in soil-plant system: A review. Chemosphere, 2017, 178, 513-533.	8.3	794
2	Foliar heavy metal uptake, toxicity and detoxification in plants: A comparison of foliar and root metal uptake. Journal of Hazardous Materials, 2017, 325, 36-58.	12.5	788
3	Arsenic Uptake, Toxicity, Detoxification, and Speciation in Plants: Physiological, Biochemical, and Molecular Aspects. International Journal of Environmental Research and Public Health, 2018, 15, 59.	2.7	593
4	Effect of bamboo and rice straw biochars on the mobility and redistribution of heavy metals (Cd, Cu,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.9	507
5	Wood-based biochar for the removal of potentially toxic elements in water and wastewater: a critical review. International Materials Reviews, 2019, 64, 216-247.	19.5	385
6	Arsenic removal by perilla leaf biochar in aqueous solutions and groundwater: An integrated spectroscopic and microscopic examination. Environmental Pollution, 2018, 232, 31-41.	7.6	314
7	A critical prospective analysis of the potential toxicity of trace element regulation limits in soils worldwide: Are they protective concerning health risk assessment? - A review. Environment International, 2019, 127, 819-847.	10.0	305
8	Impact of sugarcane bagasse-derived biochar on heavy metal availability and microbial activity: A field study. Chemosphere, 2018, 200, 274-282.	8.3	273
9	A Review of Environmental Contamination and Health Risk Assessment of Wastewater Use for Crop Irrigation with a Focus on Low and High-Income Countries. International Journal of Environmental Research and Public Health, 2018, 15, 895.	2.7	265
10	A critical review on arsenic removal from water using biochar-based sorbents: The significance of modification and redox reactions. Chemical Engineering Journal, 2020, 396, 125195.	12.8	263
11	Adsorptive removal and separation of chemicals with metal-organic frameworks: Contribution of Ï€-complexation. Journal of Hazardous Materials, 2017, 325, 198-213.	12.5	252
12	Advances and future directions of biochar characterization methods and applications. Critical Reviews in Environmental Science and Technology, 2017, 47, 2275-2330.	12.7	218
13	Unraveling sorption of lead in aqueous solutions by chemically modified biochar derived from coconut fiber: A microscopic and spectroscopic investigation. Science of the Total Environment, 2017, 576, 766-774.	8.1	184
14	Arsenic removal by Japanese oak wood biochar in aqueous solutions and well water: Investigating arsenic fate using integrated spectroscopic and microscopic techniques. Science of the Total Environment, 2018, 621, 1642-1651.	8.1	183
15	Cadmium Bioavailability, Uptake, Toxicity and Detoxification in Soil-Plant System. Reviews of Environmental Contamination and Toxicology, 2016, 241, 73-137.	1.4	179
16	Remediation of arsenic-contaminated water using agricultural wastes as biosorbents. Critical Reviews in Environmental Science and Technology, 2016, 46, 467-499.	12.7	168
17	A critical review of mercury speciation, bioavailability, toxicity and detoxification in soil-plant environment: Ecotoxicology and health risk assessment. Science of the Total Environment, 2020, 711, 134749.	8.1	166
18	Unraveling Health Risk and Speciation of Arsenic from Groundwater in Rural Areas of Punjab, Pakistan. International Journal of Environmental Research and Public Health, 2015, 12, 12371-12390.	2.7	165

#	Article	IF	Citations
19	Nano-zerovalent manganese/biochar composite for the adsorptive and oxidative removal of Congo-red dye from aqueous solutions. Journal of Hazardous Materials, 2021, 403, 123854.	12.5	159
20	A critical review of different factors governing the fate of pesticides in soil under biochar application. Science of the Total Environment, 2020, 711, 134645.	8.1	154
21	Chromium(VI) sorption efficiency of acid-activated banana peel over organo-montmorillonite in aqueous solutions. International Journal of Phytoremediation, 2017, 19, 605-613.	3.2	148
22	Exploring the arsenic removal potential of various biosorbents from water. Environment International, 2019, 123, 567-579.	10.0	143
23	A review of biochar-based sorbents for separation of heavy metals from water. International Journal of Phytoremediation, 2020, 22, 111-126.	3.2	125
24	The evaluation of arsenic contamination potential, speciation and hydrogeochemical behaviour in aquifers of Punjab, Pakistan. Chemosphere, 2018, 199, 737-746.	8.3	124
25	Arsenic speciation and biotransformation pathways in the aquatic ecosystem: The significance of algae. Journal of Hazardous Materials, 2021, 403, 124027.	12.5	124
26	Arsenic sorption to nanoparticulate mackinawite (FeS): An examination of phosphate competition. Environmental Pollution, 2016, 218, 111-117.	7.6	120
27	Phosphate-assisted phytoremediation of arsenic byBrassica napusandBrassica juncea: Morphological and physiological response. International Journal of Phytoremediation, 2017, 19, 670-678.	3.2	119
28	Arsenic removal by natural and chemically modified water melon rind in aqueous solutions and groundwater. Science of the Total Environment, 2018, 645, 1444-1455.	8.1	109
29	Arsenic biogeochemical cycling in paddy soil-rice system: Interaction with various factors, amendments and mineral nutrients. Science of the Total Environment, 2021, 773, 145040.	8.1	108
30	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. Science of the Total Environment, 2021, 780, 146274.	8.1	108
31	Enhanced sorption of trivalent antimony by chitosan-loaded biochar in aqueous solutions: Characterization, performance and mechanisms. Journal of Hazardous Materials, 2022, 425, 127971.	12.5	106
32	Comparative effect of calcium and EDTA on arsenic uptake and physiological attributes ofPisum sativum. International Journal of Phytoremediation, 2017, 19, 662-669.	3.2	102
33	Trace elements-induced phytohormesis: A critical review and mechanistic interpretation. Critical Reviews in Environmental Science and Technology, 2020, 50, 1984-2015.	12.7	100
34	Zinc in soil-plant-human system: A data-analysis review. Science of the Total Environment, 2022, 808, 152024.	8.1	99
35	Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. Land Degradation and Development, 2018, 29, 2162-2171.	3.9	97
36	Health risk assessment of drinking arsenic-containing groundwater in Hasilpur, Pakistan: effect of sampling area, depth, and source. Environmental Science and Pollution Research, 2019, 26, 20018-20029.	5.2	97

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37	Arsenic(V) biosorption by charred orange peel in aqueous environments. International Journal of Phytoremediation, 2016, 18, 442-449.	3.2	95
38	Influence of groundwater and wastewater irrigation on lead accumulation in soil and vegetables: Implications for health risk assessment and phytoremediation. International Journal of Phytoremediation, 2017, 19, 1037-1046.	3.2	93
39	Sustainable applications of rice feedstock in agro-environmental and construction sectors: A global perspective. Renewable and Sustainable Energy Reviews, 2022, 153, 111791.	16.6	91
40	Individualized Alpha Activity and Frontal Asymmetry in Major Depression. Clinical EEG and Neuroscience, 2011, 42, 45-52.	1.8	88
41	Review on the interactions of arsenic, iron (oxy)(hydr)oxides, and dissolved organic matter in soils, sediments, and groundwater in a ternary system. Chemosphere, 2022, 286, 131790.	8.3	87
42	Sorption mechanisms of lead on silicon-rich biochar in aqueous solution: Spectroscopic investigation. Science of the Total Environment, 2019, 672, 572-582.	8.1	84
43	Arsenic in Latin America: New findings on source, mobilization and mobility in human environments in 20 countries based on decadal research 2010-2020. Critical Reviews in Environmental Science and Technology, 2021, 51, 1727-1865.	12.7	79
44	Arsenic Level and Risk Assessment of Groundwater in Vehari, Punjab Province, Pakistan. Exposure and Health, 2018, 10, 229-239.	5.0	78
45	Influence of biochar on trace element uptake, toxicity and detoxification in plants and associated health risks: A critical review. Critical Reviews in Environmental Science and Technology, 2022, 52, 2803-2843.	12.7	78
46	Nickel in soil and water: Sources, biogeochemistry, and remediation using biochar. Journal of Hazardous Materials, 2021, 419, 126421.	12.5	78
47	Phytoremediation of an arsenic-contaminated site using Pteris vittata L. and Pityrogramma calomelanos var. austroamericana: a long-term study. Environmental Science and Pollution Research, 2012, 19, 3506-3515.	5.2	76
48	Mechanisms of metal-phosphates formation in the rhizosphere soils of pea and tomato: environmental and sanitary consequences. Journal of Soils and Sediments, 2014, 14, 666-678.	2.9	76
49	Manganese oxide-modified biochar: production, characterization and applications for the removal of pollutants from aqueous environments - a review. Bioresource Technology, 2022, 346, 126581.	9.6	75
50	Comparative efficiency of peanut shell and peanut shell biochar for removal of arsenic from water. Environmental Science and Pollution Research, 2019, 26, 18624-18635.	5.2	74
51	Synthesis of nitrogen-doped Ceria nanoparticles in deep eutectic solvent for the degradation of sulfamethaxazole under solar irradiation and additional antibacterial activities. Chemical Engineering Journal, 2020, 394, 124869.	12.8	71
52	Influence of pyrolysis temperature on lead immobilization by chemically modified coconut fiber-derived biochars in aqueous environments. Environmental Science and Pollution Research, 2016, 23, 22890-22896.	5.2	70
53	Removal of toxic elements from aqueous environments using nano zero-valent iron- and iron oxide-modified biochar: a review. Biochar, 2022, 4, 1.	12.7	70
54	Effect of Corn Residue Biochar on the Hydraulic Properties of Sandy Loam Soil. Sustainability, 2017, 9, 266.	3.3	68

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55	Describing the toxicity and sources and the remediation technologies for mercury-contaminated soil. RSC Advances, 2020, 10, 23221-23232.	3.7	63
56	Constructed wetlands as a sustainable technology for wastewater treatment with emphasis on chromium-rich tannery wastewater. Journal of Hazardous Materials, 2022, 422, 126926.	12.5	63
57	A critical analysis of wastewater use in agriculture and associated health risks in Pakistan. Environmental Geochemistry and Health, 2023, 45, 5599-5618.	3.6	58
58	Health risks of arsenic buildup in soil and food crops after wastewater irrigation. Science of the Total Environment, 2021, 772, 145266.	8.1	58
59	Arsenic and fluoride removal by potato peel and rice husk (PPRH) ash in aqueous environments. International Journal of Phytoremediation, 2017, 19, 1029-1036.	3.2	57
60	Phytoremediation of Cadmium-Polluted Water/Sediment by Aquatic Macrophytes: Role of Plant-Induced pH Changes. , 2019, , 495-529.		56
61	Biogeochemistry of antimony in soil-plant system: Ecotoxicology and human health. Applied Geochemistry, 2019, 106, 45-59.	3.1	56
62	Chromium(VI) removal by siderite (FeCO3) in anoxic aqueous solutions: An X-ray absorption spectroscopy investigation. Science of the Total Environment, 2018, 640-641, 1424-1431.	8.1	55
63	Arsenic accumulation and physiological attributes of spinach in the presence of amendments: an implication to reduce health risk. Environmental Science and Pollution Research, 2017, 24, 16097-16106.	5.2	54
64	Phytostabilization of heavy metals by the emergent macrophyte Vossia cuspidata (Roxb.) Griff.: A phytoremediation approach. International Journal of Phytoremediation, 2017, 19, 992-999.	3.2	54
65	Occurrence of various viruses and recent evidence of SARS-CoV-2 in wastewater systems. Journal of Hazardous Materials, 2021, 414, 125439.	12.5	53
66	A comparative study to evaluate efficiency of EDTA and calcium in alleviating arsenic toxicity to germinating and young Vicia faba L. seedlings. Journal of Soils and Sediments, 2018, 18, 2271-2281.	2.9	51
67	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.	5.2	50
68	Arsenic removal from aqueous solutions and groundwater using agricultural biowastes-derived biosorbents and biochar: a column-scale investigation. International Journal of Phytoremediation, 2019, 21, 509-518.	3.2	49
69	Changes of nutrients and potentially toxic elements during hydrothermal carbonization of pig manure. Chemosphere, 2020, 243, 125331.	8.3	49
70	Hydrogeochemical and health risk evaluation of arsenic in shallow and deep aquifers along the different floodplains of Punjab, Pakistan. Journal of Hazardous Materials, 2021, 402, 124074.	12.5	49
71	Nanobiochar-rhizosphere interactions: Implications for the remediation of heavy-metal contaminated soils. Environmental Pollution, 2022, 299, 118810.	7.6	49
72	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.	5.2	46

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73	Sorption of lead in soil amended with coconut fiber biochar: Geochemical and spectroscopic investigations. Geoderma, 2019, 350, 52-60.	5.2	45
74	Assessment of potential dietary toxicity and arsenic accumulation in two contrasting rice genotypes: Effect of soil amendments. Chemosphere, 2019, 225, 104-114.	8.3	45
75	COVID-19: US federal accountability for entry, spread, and inequitiesâ€"lessons for the future. European Journal of Epidemiology, 2020, 35, 995-1006.	5.8	42
76	Exogenous selenium (cadmium) inhibits the absorption and transportation of cadmium (selenium) in rice. Environmental Pollution, 2021, 268, 115829.	7.6	42
77	Synergistic effects of bismuth coupling on the reactivity and reusability of zerovalent iron nanoparticles for the removal of cadmium from aqueous solution. Science of the Total Environment, 2019, 669, 333-341.	8.1	41
78	Impact of genetically modified crops on rhizosphere microorganisms and processes: A review focusing on Bt cotton. Applied Soil Ecology, 2020, 148, 103492.	4.4	39
79	Characterization of pig manure-derived hydrochars for their potential application as fertilizer. Environmental Science and Pollution Research, 2018, 25, 25772-25779.	5.2	38
80	Assessment of Soil Health in Urban Agriculture: Soil Enzymes and Microbial Properties. Sustainability, 2017, 9, 310.	3.3	37
81	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.	12.5	37
82	Effect of tobacco stem-derived biochar on soil metal immobilization and the cultivation of tobacco plant. Journal of Soils and Sediments, 2019, 19, 2313-2321.	2.9	35
83	Synergistic effect of biogenic Fe 3+ coupled to SÂ° oxidation on simultaneous bioleaching of Cu, Co, Zn and As from hazardous Pyrite Ash Waste. Journal of Hazardous Materials, 2017, 325, 59-70.	12.5	33
84	Modified and pristine biochars for remediation of chromium contamination in soil and aquatic systems. Chemosphere, 2022, 303, 134942.	8.3	33
85	How autochthonous microorganisms influence physiological status of Zea mays L. cultivated on heavy metal contaminated soils?. Environmental Science and Pollution Research, 2019, 26, 4746-4763.	5.2	32
86	Both viable and inactivated amoeba spores protect their intracellular bacteria from drinking water disinfection. Journal of Hazardous Materials, 2021, 417, 126006.	12.5	32
87	Deciphering the growth, organic acid exudations, and ionic homeostasis of Amaranthus viridis L. and Portulaca oleracea L. under lead chloride stress. Environmental Science and Pollution Research, 2018, 25, 2958-2971.	5.2	31
88	Prevalence of SARS-CoV-2 in Communities Through Wastewater Surveillanceâ€"a Potential Approach for Estimation of Disease Burden. Current Pollution Reports, 2021, 7, 160-166.	6.4	31
89	Exploring potential applications of a novel extracellular polymeric substance synthesizing bacterium (Bacillus licheniformis) isolated from gut contents of earthworm (Metaphire posthuma) in environmental remediation. Biodegradation, 2018, 29, 323-337.	3.0	30
90	Plant growth promotion and enhanced uptake of Cd by combinatorial application of Bacillus pumilus and EDTA on Zea mays L.. International Journal of Phytoremediation, 2020, 22, 1372-1384.	3.2	30

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91	Geochemical control on spatial variability of fluoride concentrations in groundwater from rural areas of Gujrat in Punjab, Pakistan. Environmental Earth Sciences, 2016, 75, 1.	2.7	29
92	Cadmium tolerance and phytoremediation potential of acacia (Acacia nilotica L.) under salinity stress. International Journal of Phytoremediation, 2018, 20, 739-746.	3.2	29
93	Arsenic Environmental Contamination Status in South Asia. , 2020, , 13-39.		29
94	Pros and Cons of Biochar to Soil Potentially Toxic Element Mobilization and Phytoavailability: Environmental Implications. Earth Systems and Environment, 2023, 7, 321-345.	6.2	29
95	Sorption of lead, copper, and cadmium by calcium alginate. Metal binding stoichiometry and the pH effect. Environmental Science and Pollution Research, 2012, 19, 3516-3524.	5.2	28
96	Risk assessment of potentially toxic metal(loid)s in Vigna radiata L. under wastewater and freshwater irrigation. Chemosphere, 2021, 265, 129124.	8.3	28
97	Research on characteristics of heavy metals (As, Cd, Zn) in coal from Southwest China and prevention method by using modified calcium-based materials. Fuel, 2016, 186, 714-725.	6.5	27
98	Nitrogen fertilizer enhances zinc and cadmium uptake by hyperaccumulator Sedum alfredii Hance. Journal of Soils and Sediments, 2020, 20, 320-329.	2.9	27
99	Elucidating distinct oxidative stress management, nutrient acquisition and yield responses of Pisum sativum L. fertigated with diluted and treated wastewater. Agricultural Water Management, 2021, 247, 106720.	5.7	27
100	Phytoremediation Potential ofPityrogramma CalomelanosVar.AustroamericanaandPteris VittataL. Grown at a Highly Variable Arsenic Contaminated Site. International Journal of Phytoremediation, 2011, 13, 912-932.	3.2	26
101	Biochar and soil properties limit the phytoavailability of lead and cadmium by Brassica chinensis L. in contaminated soils. Biochar, 2022, 4, 1.	12.7	26
102	The X-Linked Inhibitor of Apoptosis Protein Inhibitor Embelin Suppresses Inflammation and Bone Erosion in Collagen Antibody Induced Arthritis Mice. Mediators of Inflammation, 2015, 2015, 1-10.	3.1	25
103	Potential toxicity of trace elements and nanomaterials to Chinese cabbage in arsenic- and lead-contaminated soil amended with biochars. Environmental Geochemistry and Health, 2019, 41, 1777-1791.	3.6	25
104	Lead and copper-induced hormetic effect and toxicity mechanisms in lettuce (Lactuca sativa L.) grown in a contaminated soil. Science of the Total Environment, 2020, 741, 140440.	8.1	25
105	Distribution and ecological risk assessment of trace elements in the paddy soil-rice ecosystem of Punjab, Pakistan. Environmental Pollution, 2022, 307, 119492.	7.6	24
106	Effect of Eucalyptus forests on understory vegetation and soil quality. Journal of Soils and Sediments, 2017, 17, 2383-2389.	2.9	23
107	Factor Structure of Repetitive Behaviors Across Autism Spectrum Disorder and Attention-Deficit/Hyperactivity Disorder. Journal of Autism and Developmental Disorders, 2021, 51, 3391-3400.	3.1	22
108	Unveiling the Efficiency of Vermicompost Derived from Different Biowastes on Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	3.1	21

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109	Wetting-drying cycles during a rice-wheat crop rotation rapidly (im)mobilize recalcitrant soil phosphorus. Journal of Soils and Sediments, 2020, 20, 3921-3930.	2.9	20
110	Ecotoxicology of Heavy Metal(loid)-Enriched Particulate Matter: Foliar Accumulation by Plants and Health Impacts. Reviews of Environmental Contamination and Toxicology, 2019, 253, 65-113.	1.4	19
111	Bioaccumulation of Potentially Toxic Elements in Cereal and Legume Crops: A Review. Clean - Soil, Air, Water, 2017, 45, 1700548.	1.3	18
112	Impact of organic and inorganic amendments on arsenic accumulation by rice genotypes under paddy soil conditions: A pilot-scale investigation to assess health risk. Journal of Hazardous Materials, 2021, 420, 126620.	12.5	18
113	The significance of eighteen rice genotypes on arsenic accumulation, physiological response and potential health risk. Science of the Total Environment, 2022, 832, 155004.	8.1	18
114	Biochar as an (Im)mobilizing Agent for the Potentially Toxic Elements in Contaminated Soils. , 2019, , 255-274.		17
115	Evaluation of Agroforestry Carbon Storage Status and Potential in Irrigated Plains of Pakistan. Forests, 2019, 10, 640.	2.1	15
116	Impact of biosolid application rates on competitive sorption and distribution coefficients of Cd, Cu, Ni, Pb, and Zn in an Alfisol and an Entisol. Chemical Engineering Research and Design, 2018, 115, 38-48.	5.6	14
117	Comparative effect of organic amendments on physio-biochemical traits of young and old bean leaves grown under cadmium stress: a multivariate analysis. Environmental Science and Pollution Research, 2019, 26, 11579-11590.	5.2	14
118	Compost-mediated arsenic phytoremediation, health risk assessment and economic feasibility using Zea mays L. in contrasting textured soils. International Journal of Phytoremediation, 2021, 23, 899-910.	3.2	14
119	Hydrogeochemical and health risk investigation of potentially toxic elements in groundwater along River Sutlej floodplain in Punjab, Pakistan. Environmental Geochemistry and Health, 2021, 43, 5195-5209.	3.6	14
120	Fireworks-related injury surveillance in the Philippines: trends in 2010â€“2014. Western Pacific Surveillance and Response Journal: WPSAR, 2015, 6, 1-6.	0.5	13
121	Modelling the Eddystone Lighthouse response to wave loading. Engineering Structures, 2016, 125, 566-578.	5.3	13
122	Effects of tris(2,3-dibromopropyl) isocyanurate on steroidogenesis in H295R cells. Environmental Earth Sciences, 2016, 75, 1.	2.7	13
123	In Situ Growth of Highly Active MgAl Layered Double Hydroxide on Î-Al2O3 for Catalytic Hydrolysis of Urea in Wastewater. Catalysis Letters, 2018, 148, 1893-1903.	2.7	13
124	Sediment quality, elemental bioaccumulation and antimicrobial properties of mangroves of Indian Sundarban. Environmental Geochemistry and Health, 2019, 41, 275-296.	3.6	13
125	Elemental compositions of particulate matter retained on air condition unitâ€™s filters at Greater Doha, Qatar. Environmental Geochemistry and Health, 2019, 41, 2533-2548.	3.6	13
126	Use of agricultural bio-wastes to remove arsenic from contaminated water. Environmental Geochemistry and Health, 2023, 45, 5703-5712.	3.6	13

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127	Arsenic-induced oxidative stress in Brassica oleracea: Multivariate and literature data analyses of physiological parameters, applied levels and plant organ type. Environmental Geochemistry and Health, 2022, 44, 1827-1839.	3.6	13
128	The role of various ameliorants on geochemical arsenic distribution and CO2-carbon efflux under paddy soil conditions. Environmental Geochemistry and Health, 2023, 45, 507-523.	3.6	13
129	Elucidating the Potential of Vertical Flow-Constructed Wetlands Vegetated with Different Wetland Plant Species for the Remediation of Chromium-Contaminated Water. Sustainability, 2022, 14, 5230.	3.3	13
130	Efficient removal of norfloxacin using nano zerovalent cerium composite biochar-catalyzed peroxydisulfate. Journal of Cleaner Production, 2022, 377, 134405.	9.4	13
131	Biochar/nano-zerovalent zinc-based materials for arsenic removal from contaminated water. International Journal of Phytoremediation, 2023, 25, 1155-1164.	3.2	13
132	Pesticides Pollution in Agricultural Soils of Pakistan. , 2016, , 199-229.		12
133	Phytoremediation of Arsenic-Contaminated Soils Using Arsenic Hyperaccumulating Ferns. , 2016, , 521-545.		11
134	Dust explosions: A serious concern. Methods in Chemical Process Safety, 2019, 3, 33-69.	0.0	11
135	A meta-analysis of photocatalytic performance and efficiency of bismuth oxide (BiO2_x). Journal of Cleaner Production, 2021, 322, 129070.	9.4	11
136	Recent Advances in Arsenic Accumulation in Rice. , 2019, , 385-398.		10
137	Soil Contaminants: Sources, Effects, and Approaches for Remediation. , 2014, , 171-196.		10
138	Phytoremediation of Agricultural Pollutants. Concepts and Strategies in Plant Sciences, 2020, , 27-81.	0.0	10
139	Assessment of loose and adhered urban street sediments and trace metals: a study in the city of PoÃ§os de Caldas, Brazil. Journal of Soils and Sediments, 2016, 16, 2640-2650.	2.9	9
140	A multivariate analysis of health risk assessment, phytoremediation potential, and biochemical attributes of Spinacia oleracea exposed to cadmium in the presence of organic amendments under hydroponic conditions. International Journal of Phytoremediation, 2019, 21, 461-470.	3.2	9
141	The potential of microbes and sulfate in reducing arsenic phytoaccumulation by maize (Zea mays L.) plants. Environmental Geochemistry and Health, 2021, 43, 5037-5051.	3.6	9
142	Remote Sensing-Based Prediction of Temporal Changes in Land Surface Temperature and Land Use-Land Cover (LULC) in Urban Environments. Land, 2022, 11, 1610.	2.9	9
143	Early detection of the effects of compaction in forested soils: evidence from selective extraction techniques. Journal of Soils and Sediments, 2016, 16, 2223-2233.	2.9	8
144	Microbe-EDTA mediated approach in the phytoremediation of lead-contaminated soils using maize (Zea mays L.) plants. International Journal of Phytoremediation, 2021, 23, 1-12.	3.2	8

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145	Are future enlargement candidate countries converging with the EU?. Empirica, 2020, 47, 453-473.	1.7	7
146	A modeling approach for unveiling adsorption of toxic ions on iron oxide nanocrystals. Journal of Hazardous Materials, 2021, 417, 126005.	12.5	7
147	Anion-regulation engineering toward Cu/In/MOF bimetallic electrocatalysts for selective electrochemical reduction of CO2 to CO/formate. Materials Reports Energy, 2022, 2, 100139.	3.6	7
148	Coupled sorptive and oxidative antimony(III) removal by iron-modified biochar: Mechanisms of electron-donating capacity and reactive Fe species. Environmental Pollution, 2023, 337, 122637.	7.6	7
149	Biochar: A Game Changer for Sustainable Agriculture. , 2022, , 143-157.		6
150	Exploring the potential of nano-zerovalent copper modified biochar for the removal of ciprofloxacin from water. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100604.	3.0	6
151	Unveiling Distribution, Hydrogeochemical Behavior and Environmental Risk of Chromium in Tannery Wastewater. Water (Switzerland), 2023, 15, 391.	2.8	6
152	A critical review on the separation of heavy metal(loid)s from the contaminated water using various agricultural wastes. International Journal of Phytoremediation, 2024, 26, 349-368.	3.2	6
153	Recent developments in phosphate-assisted phytoremediation of potentially toxic metal(loid)s-contaminated soils. , 2022, , 345-370.		5
154	Enhanced Degradation of Ciprofloxacin in Floating Treatment Wetlands Augmented with Bacterial Cells Immobilized on Iron Oxide Nanoparticles. Sustainability, 2022, 14, 14997.	3.3	5
155	Redox Mechanisms and Plant Tolerance Under Heavy Metal Stress: Genes and Regulatory Networks. , 2019, , 71-105.		4
156	Better management of groundwater needed in Pakistan. Nature, 2018, 554, 300-300.	35.8	4
157	Current Status and Future Prospects of Head Rice Yield. Agriculture (Switzerland), 2023, 13, 705.	3.1	4
158	Scopulibacillus cellulosilyticus sp. nov., a cellulose-degrading bacterium isolated from tea. Antonie Van Leeuwenhoek, 2018, 111, 2087-2094.	1.7	3
159	Impacts of Water Quality on Human Health in Pakistan. World Water Resources, 2021, , 225-247.	0.0	3
160	Developments in Nanoadsorbents for the Treatment of Arsenic-Contaminated Water. , 2021, , 325-361.		3
161	Nickel Mobilization/Immobilization and Phytoavailability in Soils as Affected by Organic and Inorganic Amendments. , 2018, , 265-292.		3
162	The evaluation of bacterial-augmented floating treatment wetlands for concomitant removal of phenol and chromium from contaminated water. International Journal of Phytoremediation, 2024, 26, 287-293.	3.2	3

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163	Current Approaches for the Assessment of In Situ Remediation of Xenobiotics. Soil Biology, 2017, , 171-196.	0.0	2
164	TRAPPIST-1: The dawning of the age of Aquarius. Bioengineered, 2017, 8, 194-195.	3.2	2
165	Influence of the root plaque formation with different species on oxytetracycline accumulation in rice (Oryza sativa L.) and its elimination in culture solution. Environmental Science and Pollution Research, 2019, 26, 4091-4103.	5.2	2
166	Soil silicon fractions along karst hillslopes of southwestern China. Journal of Soils and Sediments, 0, , 1.	2.9	2
167	Unveiling the significance of foliar-applied silicon, selenium and phosphorus for the management and remediation of arsenic in two different rice genotypes. International Journal of Phytoremediation, 0, , 1-10.	3.2	2
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