

Nabeel Khan Niazi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161
papers

7,581
citations

45
h-index

84
g-index

165
ext. papers

9,842
ext. citations

7.2
avg, IF

6.51
L-index

#	Paper	IF	Citations
161	The role of various ameliorants on geochemical arsenic distribution and CO ₂ -carbon efflux under paddy soil conditions.. <i>Environmental Geochemistry and Health</i> , 2022 , 1	4.7	2
160	Biochar and soil properties limit the phytoavailability of lead and cadmium by <i>Brassica chinensis</i> L. in contaminated soils. <i>Biochar</i> , 2022 , 4, 1	10	3
159	Nanobiochar-rhizosphere interactions: Implications for the remediation of heavy-metal contaminated soils.. <i>Environmental Pollution</i> , 2022 , 299, 118810	9.3	4
158	Biochar: A Game Changer for Sustainable Agriculture 2022 , 143-157		2
157	Sustainable applications of rice feedstock in agro-environmental and construction sectors: A global perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 153, 111791	16.2	22
156	Review on the interactions of arsenic, iron (oxy)(hydr)oxides, and dissolved organic matter in soils, sediments, and groundwater in a ternary system. <i>Chemosphere</i> , 2022 , 286, 131790	8.4	8
155	Recent developments in phosphate-assisted phytoremediation of potentially toxic metal(loid)s-contaminated soils 2022 , 345-370		1
154	Constructed wetlands as a sustainable technology for wastewater treatment with emphasis on chromium-rich tannery wastewater. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126926	12.8	15
153	The significance of eighteen rice genotypes on arsenic accumulation, physiological response and potential health risk.. <i>Science of the Total Environment</i> , 2022 , 832, 155004	10.2	4
152	Removal of toxic elements from aqueous environments using nano zero-valent iron- and iron oxide-modified biochar: a review. <i>Biochar</i> , 2022 , 4, 1	10	2
151	Application of magnetic biochars for the removal of aquatic pollutants 2022 , 393-419		0
150	Elucidating the Potential of Vertical Flow-Constructed Wetlands Vegetated with Different Wetland Plant Species for the Remediation of Chromium-Contaminated Water. <i>Sustainability</i> , 2022 , 14, 5230	3.6	1
149	Modified and pristine biochars for remediation of chromium contamination in soil and aquatic systems.. <i>Chemosphere</i> , 2022 , 134942	8.4	0
148	Distribution and ecological risk assessment of trace elements in the paddy soil-rice ecosystem of Punjab, Pakistan. <i>Environmental Pollution</i> , 2022 , 307, 119492	9.3	2
147	Enhanced sorption of trivalent antimony by chitosan-loaded biochar in aqueous solutions: Characterization, performance and mechanisms. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127971	12.8	8
146	Zinc in soil-plant-human system: A data-analysis review. <i>Science of the Total Environment</i> , 2021 , 808, 152024	12.4	11
145	Manganese oxide-modified biochar: production, characterization and applications for the removal of pollutants from aqueous environments - a review.. <i>Bioresource Technology</i> , 2021 , 346, 126581	11	6

144	Removal of potentially toxic elements from contaminated soil and water using bone char compared to plant- and bone-derived biochars: A review.. <i>Journal of Hazardous Materials</i> , 2021 , 427, 128131	12.8	7
143	Exploring the potential of nano-zerovalent copper modified biochar for the removal of ciprofloxacin from water. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021 , 16, 100604 ³³		1
142	Microbe-EDTA mediated approach in the phytoremediation of lead-contaminated soils using maize (L.) plants. <i>International Journal of Phytoremediation</i> , 2021 , 23, 585-596	3.9	4
141	Elucidating distinct oxidative stress management, nutrient acquisition and yield responses of Pisum sativum L. fertigated with diluted and treated wastewater. <i>Agricultural Water Management</i> , 2021 , 247, 106720	5.9	7
140	The potential of microbes and sulfate in reducing arsenic phytoaccumulation by maize (Zea mays L.) plants. <i>Environmental Geochemistry and Health</i> , 2021 , 43, 5037-5051	4.7	3
139	Prevalence of SARS-CoV-2 in Communities Through Wastewater Surveillance-a Potential Approach for Estimation of Disease Burden. <i>Current Pollution Reports</i> , 2021 , 7, 1-7	7.6	16
138	Hydrogeochemical and health risk investigation of potentially toxic elements in groundwater along River Sutlej floodplain in Punjab, Pakistan. <i>Environmental Geochemistry and Health</i> , 2021 , 43, 5195-5209	4.7	2
137	Arsenic biogeochemical cycling in paddy soil-rice system: Interaction with various factors, amendments and mineral nutrients. <i>Science of the Total Environment</i> , 2021 , 773, 145040	10.2	32
136	Health risks of arsenic buildup in soil and food crops after wastewater irrigation. <i>Science of the Total Environment</i> , 2021 , 772, 145266	10.2	23
135	Occurrence of various viruses and recent evidence of SARS-CoV-2 in wastewater systems. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125439	12.8	13
134	Ecotoxicology of Heavy Metal(loid)-Enriched Particulate Matter: Foliar Accumulation by Plants and Health Impacts. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021 , 253, 65-113	3.5	7
133	Arsenic in Latin America: New findings on source, mobilization and mobility in human environments in 20 countries based on decadal research 2010-2020. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 1727-1865	11.1	31
132	Nano-zerovalent manganese/biochar composite for the adsorptive and oxidative removal of Congo-red dye from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123854	12.8	60
131	Hydrogeochemical and health risk evaluation of arsenic in shallow and deep aquifers along the different floodplains of Punjab, Pakistan. <i>Journal of Hazardous Materials</i> , 2021 , 402, 124074	12.8	29
130	Arsenic speciation and biotransformation pathways in the aquatic ecosystem: The significance of algae. <i>Journal of Hazardous Materials</i> , 2021 , 403, 124027	12.8	46
129	Exogenous selenium (cadmium) inhibits the absorption and transportation of cadmium (selenium) in rice. <i>Environmental Pollution</i> , 2021 , 268, 115829	9.3	13
128	Risk assessment of potentially toxic metal(loid)s in Vigna radiata L. under wastewater and freshwater irrigation. <i>Chemosphere</i> , 2021 , 265, 129124	8.4	16
127	Compost-mediated arsenic phytoremediation, health risk assessment and economic feasibility using L. in contrasting textured soils. <i>International Journal of Phytoremediation</i> , 2021 , 23, 899-910	3.9	4

126	Impacts of Water Quality on Human Health in Pakistan. <i>World Water Resources</i> , 2021 , 225-247	0.3	1
125	Developments in Nanoadsorbents for the Treatment of Arsenic-Contaminated Water 2021 , 325-361		2
124	Targeting Cd coping mechanisms for stress tolerance in under spiked-substrate system: from physiology to remediation perspective. <i>International Journal of Phytoremediation</i> , 2021 , 1-15	3.9	
123	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. <i>Science of the Total Environment</i> , 2021 , 780, 146274	10.2	17
122	A modeling approach for unveiling adsorption of toxic ions on iron oxide nanocrystals. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126005	12.8	4
121	Arsenic-induced oxidative stress in Brassica oleracea: Multivariate and literature data analyses of physiological parameters, applied levels and plant organ type. <i>Environmental Geochemistry and Health</i> , 2021 , 1	4.7	3
120	Nickel in soil and water: Sources, biogeochemistry, and remediation using biochar. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126421	12.8	8
119	Impact of organic and inorganic amendments on arsenic accumulation by rice genotypes under paddy soil conditions: A pilot-scale investigation to assess health risk. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126620	12.8	7
118	A meta-analysis of photocatalytic performance and efficiency of bismuth oxide (BiO ₂ x). <i>Journal of Cleaner Production</i> , 2021 , 322, 129070	10.3	2
117	Plant growth promotion and enhanced uptake of Cd by combinatorial application of and EDTA on L. <i>International Journal of Phytoremediation</i> , 2020 , 22, 1372-1384	3.9	14
116	Lead and copper-induced hormetic effect and toxicity mechanisms in lettuce (<i>Lactuca sativa</i> L.) grown in a contaminated soil. <i>Science of the Total Environment</i> , 2020 , 741, 140440	10.2	10
115	Impact of genetically modified crops on rhizosphere microorganisms and processes: A review focusing on Bt cotton. <i>Applied Soil Ecology</i> , 2020 , 148, 103492	5	23
114	Synthesis of nitrogen-doped Ceria nanoparticles in deep eutectic solvent for the degradation of sulfamethaxazole under solar irradiation and additional antibacterial activities. <i>Chemical Engineering Journal</i> , 2020 , 394, 124869	14.7	29
113	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	14.7	121
112	Arsenic Removal from Water Using Biochar-Based Sorbents 2020 , 63-80		1
111	Phytoremediation of Agricultural Pollutants. <i>Concepts and Strategies in Plant Sciences</i> , 2020 , 27-81	0.5	3
110	A review of biochar-based sorbents for separation of heavy metals from water. <i>International Journal of Phytoremediation</i> , 2020 , 22, 111-126	3.9	57
109	A critical review of mercury speciation, bioavailability, toxicity and detoxification in soil-plant environment: Ecotoxicology and health risk assessment. <i>Science of the Total Environment</i> , 2020 , 711, 134749	10.2	81

108	Trace elements-induced phytohormesis: A critical review and mechanistic interpretation. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 1984-2015	11.1	55
107	Changes of nutrients and potentially toxic elements during hydrothermal carbonization of pig manure. <i>Chemosphere</i> , 2020 , 243, 125331	8.4	16
106	A critical review of different factors governing the fate of pesticides in soil under biochar application. <i>Science of the Total Environment</i> , 2020 , 711, 134645	10.2	65
105	Describing the toxicity and sources and the remediation technologies for mercury-contaminated soil.. <i>RSC Advances</i> , 2020 , 10, 23221-23232	3.7	20
104	Wetting-drying cycles during a rice-wheat crop rotation rapidly (im)mobilize recalcitrant soil phosphorus. <i>Journal of Soils and Sediments</i> , 2020 , 20, 3921-3930	3.4	5
103	Use of agricultural bio-wastes to remove arsenic from contaminated water. <i>Environmental Geochemistry and Health</i> , 2020 , 1	4.7	7
102	A critical analysis of wastewater use in agriculture and associated health risks in Pakistan. <i>Environmental Geochemistry and Health</i> , 2020 , 1	4.7	26
101	Assessment of arsenic exposure by drinking well water and associated carcinogenic risk in peri-urban areas of Vehari, Pakistan. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 121-133	4.7	43
100	Arsenic Environmental Contamination Status in South Asia 2020 , 13-39		13
99	Nitrogen fertilizer enhances zinc and cadmium uptake by hyperaccumulator <i>Sedum alfredii</i> Hance. <i>Journal of Soils and Sediments</i> , 2020 , 20, 320-329	3.4	14
98	Phytoremediation of Cadmium-Polluted Water/Sediment by Aquatic Macrophytes: Role of Plant-Induced pH Changes 2019 , 495-529		18
97	Sorption of lead in soil amended with coconut fiber biochar: Geochemical and spectroscopic investigations. <i>Geoderma</i> , 2019 , 350, 52-60	6.7	34
96	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	1.9	14
95	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. <i>Environment International</i> , 2019 , 127, 819-847	12.9	160
94	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	5.1	37
93	Biogeochemistry of antimony in soil-plant system: Ecotoxicology and human health. <i>Applied Geochemistry</i> , 2019 , 106, 45-59	3.5	29
92	Biogeochemical behavior of nickel under different abiotic stresses: toxicity and detoxification mechanisms in plants. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 10496-10514	5.1	24
91	Assessment of potential dietary toxicity and arsenic accumulation in two contrasting rice genotypes: Effect of soil amendments. <i>Chemosphere</i> , 2019 , 225, 104-114	8.4	32

90	A multivariate analysis of health risk assessment, phytoremediation potential, and biochemical attributes of <i>Spinacia oleracea</i> exposed to cadmium in the presence of organic amendments under hydroponic conditions. <i>International Journal of Phytoremediation</i> , 2019 , 21, 461-470	3.9	7
89	Synergistic effects of bismuth coupling on the reactivity and reusability of zerovalent iron nanoparticles for the removal of cadmium from aqueous solution. <i>Science of the Total Environment</i> , 2019 , 669, 333-341	10.2	26
88	Arsenic removal from aqueous solutions and groundwater using agricultural biowastes-derived biosorbents and biochar: a column-scale investigation. <i>International Journal of Phytoremediation</i> , 2019 , 21, 509-518	3.9	28
87	Sorption mechanisms of lead on silicon-rich biochar in aqueous solution: Spectroscopic investigation. <i>Science of the Total Environment</i> , 2019 , 672, 572-582	10.2	50
86	Wood-based biochar for the removal of potentially toxic elements in water and wastewater: a critical review. <i>International Materials Reviews</i> , 2019 , 64, 216-247	16.1	228
85	Comparative effect of organic amendments on physio-biochemical traits of young and old bean leaves grown under cadmium stress: a multivariate analysis. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 11579-11590	5.1	8
84	Sediment quality, elemental bioaccumulation and antimicrobial properties of mangroves of Indian Sundarban. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 275-296	4.7	9
83	Evaluation of Agroforestry Carbon Storage Status and Potential in Irrigated Plains of Pakistan. <i>Forests</i> , 2019 , 10, 640	2.8	8
82	Redox Mechanisms and Plant Tolerance Under Heavy Metal Stress: Genes and Regulatory Networks 2019 , 71-105		2
81	Unveiling the Efficiency of Vermicompost Derived from Different Biowastes on Wheat (<i>Triticum aestivum</i> L.) Plant Growth and Soil Health. <i>Agronomy</i> , 2019 , 9, 791	3.6	4
80	Foliar uptake of arsenic nanoparticles by spinach: an assessment of physiological and human health risk implications. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 20121-20131	5.1	35
79	Biochar as an (Im)mobilizing Agent for the Potentially Toxic Elements in Contaminated Soils 2019 , 255-274		9
78	Recent Advances in Arsenic Accumulation in Rice 2019 , 385-398		8
77	Effect of tobacco stem-derived biochar on soil metal immobilization and the cultivation of tobacco plant. <i>Journal of Soils and Sediments</i> , 2019 , 19, 2313-2321	3.4	23
76	Exploring the arsenic removal potential of various biosorbents from water. <i>Environment International</i> , 2019 , 123, 567-579	12.9	89
75	A multivariate analysis of physiological and antioxidant responses and health hazards of wheat under cadmium and lead stress. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 362-370	5.1	27
74	Potential toxicity of trace elements and nanomaterials to Chinese cabbage in arsenic- and lead-contaminated soil amended with biochars. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 1777-1791	4.7	15
73	Health risk assessment of drinking arsenic-containing groundwater in Hasilpur, Pakistan: effect of sampling area, depth, and source. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 20018-20029	5.1	61

72	Impact of sugarcane bagasse-derived biochar on heavy metal availability and microbial activity: A field study. <i>Chemosphere</i> , 2018 , 200, 274-282	8.4	168
71	The evaluation of arsenic contamination potential, speciation and hydrogeochemical behaviour in aquifers of Punjab, Pakistan. <i>Chemosphere</i> , 2018 , 199, 737-746	8.4	88
70	Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. <i>Land Degradation and Development</i> , 2018 , 29, 2162-2171	4.4	64
69	A critical review of selenium biogeochemical behavior in soil-plant system with an inference to human health. <i>Environmental Pollution</i> , 2018 , 234, 915-934	9.3	214
68	Cadmium tolerance and phytoremediation potential of acacia (<i>Acacia nilotica</i> L.) under salinity stress. <i>International Journal of Phytoremediation</i> , 2018 , 20, 739-746	3.9	17
67	A comparative study to evaluate efficiency of EDTA and calcium in alleviating arsenic toxicity to germinating and young <i>Vicia faba</i> L. seedlings. <i>Journal of Soils and Sediments</i> , 2018 , 18, 2271-2281	3.4	41
66	Arsenic removal by Japanese oak wood biochar in aqueous solutions and well water: Investigating arsenic fate using integrated spectroscopic and microscopic techniques. <i>Science of the Total Environment</i> , 2018 , 621, 1642-1651	10.2	122
65	Characterization of pig manure-derived hydrochars for their potential application as fertilizer. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 25772-25779	5.1	26
64	Impact of biosolid application rates on competitive sorption and distribution coefficients of Cd, Cu, Ni, Pb, and Zn in an Alfisol and an Entisol. <i>Chemical Engineering Research and Design</i> , 2018 , 115, 38-48	5.5	11
63	Arsenic removal by perilla leaf biochar in aqueous solutions and groundwater: An integrated spectroscopic and microscopic examination. <i>Environmental Pollution</i> , 2018 , 232, 31-41	9.3	222
62	Arsenic Level and Risk Assessment of Groundwater in Vehari, Punjab Province, Pakistan. <i>Exposure and Health</i> , 2018 , 10, 229-239	8.8	56
61	A meta-analysis of the distribution, sources and health risks of arsenic-contaminated groundwater in Pakistan. <i>Environmental Pollution</i> , 2018 , 242, 307-319	9.3	108
60	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	10.2	71
59	Arsenic Uptake, Toxicity, Detoxification, and Speciation in Plants: Physiological, Biochemical, and Molecular Aspects. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	348
58	A Review of Environmental Contamination and Health Risk Assessment of Wastewater Use for Crop Irrigation with a Focus on Low and High-Income Countries. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	140
57	Injustices of foreign investment in coal. <i>Science</i> , 2018 , 360, 1081	33.3	
56	Chromium(VI) removal by siderite (FeCO) in anoxic aqueous solutions: An X-ray absorption spectroscopy investigation. <i>Science of the Total Environment</i> , 2018 , 640-641, 1424-1431	10.2	35
55	Nickel Mobilization/Immobilization and Phytoavailability in Soils as Affected by Organic and Inorganic Amendments 2018 , 265-292		3

54	BIOMASS, CARBON STOCKS AND CO ₂ SEQUESTRATION IN THREE DIFFERENT AGED IRRIGATED POPULUS DELTOIDES BARTR. EX MARSH. BUND PLANTING AGROFORESTRY SYSTEMS. <i>Applied Ecology and Environmental Research</i> , 2018 , 16, 6239-6252	1.9	6
53	COMPARATIVE TOLERANCE AND PHYTOSTABILIZATION POTENTIAL OF <i>Conocarpus erectus</i> AND <i>Eucalyptus camaldulensis</i> GROWN IN CADMIUM CONTAMINATED SOIL. <i>Pakistan Journal of Agricultural Sciences</i> , 2018 , 55, 521-529	1.5	4
52	Biogeochemical Behavior of Arsenic in Biochar-Amended Soils 2018 , 83-104		
51	Better management of groundwater needed in Pakistan. <i>Nature</i> , 2018 , 554, 300	50.4	2
50	Deciphering the growth, organic acid exudations, and ionic homeostasis of <i>Amaranthus viridis</i> L. and <i>Portulaca oleracea</i> L. under lead chloride stress. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 2958-2971	5.1	18
49	Exploring potential applications of a novel extracellular polymeric substance synthesizing bacterium (<i>Bacillus licheniformis</i>) isolated from gut contents of earthworm (<i>Metaphire posthuma</i>) in environmental remediation. <i>Biodegradation</i> , 2018 , 29, 323-337	4.1	18
48	Effect of bamboo and rice straw biochars on the mobility and redistribution of heavy metals (Cd, Cu, Pb and Zn) in contaminated soil. <i>Journal of Environmental Management</i> , 2017 , 186, 285-292	7.9	364
47	Effect of <i>Eucalyptus</i> forests on understory vegetation and soil quality. <i>Journal of Soils and Sediments</i> , 2017 , 17, 2383-2389	3.4	14
46	Comparative effect of calcium and EDTA on arsenic uptake and physiological attributes of <i>Pisum sativum</i> . <i>International Journal of Phytoremediation</i> , 2017 , 19, 662-669	3.9	78
45	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	3.9	87
44	Current Approaches for the Assessment of In Situ Remediation of Xenobiotics. <i>Soil Biology</i> , 2017 , 171-196		1
43	Influence of groundwater and wastewater irrigation on lead accumulation in soil and vegetables: Implications for health risk assessment and phytoremediation. <i>International Journal of Phytoremediation</i> , 2017 , 19, 1037-1046	3.9	61
42	Arsenic and fluoride removal by potato peel and rice husk (PPRH) ash in aqueous environments. <i>International Journal of Phytoremediation</i> , 2017 , 19, 1029-1036	3.9	32
41	A comparison of technologies for remediation of heavy metal contaminated soils. <i>Journal of Geochemical Exploration</i> , 2017 , 182, 247-268	3.8	539
40	Arsenic accumulation and physiological attributes of spinach in the presence of amendments: an implication to reduce health risk. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 16097-16106	5.1	41
39	Effect of compost addition on arsenic uptake, morphological and physiological attributes of maize plants grown in contrasting soils. <i>Journal of Geochemical Exploration</i> , 2017 , 178, 83-91	3.8	58
38	Arsenic tolerance and phytoremediation potential of <i>Conocarpus erectus</i> L. and <i>Populus deltoides</i> L. <i>International Journal of Phytoremediation</i> , 2017 , 19, 985-991	3.9	21
37	Chromium speciation, bioavailability, uptake, toxicity and detoxification in soil-plant system: A review. <i>Chemosphere</i> , 2017 , 178, 513-533	8.4	446

36	Bioaccumulation of Potentially Toxic Elements in Cereal and Legume Crops: A Review. <i>Clean - Soil, Air, Water</i> , 2017 , 45, 1700548	1.6	12
35	Assessment of Soil Health in Urban Agriculture: Soil Enzymes and Microbial Properties. <i>Sustainability</i> , 2017 , 9, 310	3.6	21
34	Cadmium Bioavailability, Uptake, Toxicity and Detoxification in Soil-Plant System. <i>Reviews of Environmental Contamination and Toxicology</i> , 2017 , 241, 73-137	3.5	102
33	Unraveling sorption of lead in aqueous solutions by chemically modified biochar derived from coconut fiber: A microscopic and spectroscopic investigation. <i>Science of the Total Environment</i> , 2017 , 576, 766-774	10.2	134
32	Foliar heavy metal uptake, toxicity and detoxification in plants: A comparison of foliar and root metal uptake. <i>Journal of Hazardous Materials</i> , 2017 , 325, 36-58	12.8	445
31	Chromium(VI) sorption efficiency of acid-activated banana peel over organo-montmorillonite in aqueous solutions. <i>International Journal of Phytoremediation</i> , 2017 , 19, 605-613	3.9	93
30	Advances and future directions of biochar characterization methods and applications. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 2275-2330	11.1	128
29	Effect of Corn Residue Biochar on the Hydraulic Properties of Sandy Loam Soil. <i>Sustainability</i> , 2017 , 9, 266	3.6	43
28	Effects of Lead Salts on Growth, Chlorophyll Contents and Tissue Concentration of Rice Genotypes. <i>International Journal of Agriculture and Biology</i> , 2017 , 19, 69-76	1.5	6
27	Arsenic Behaviour in Soil-Plant System: Biogeochemical Reactions and Chemical Speciation Influences 2017 , 97-140		48
26	Influence of pyrolysis temperature on lead immobilization by chemically modified coconut fiber-derived biochars in aqueous environments. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 22890-22896	5.1	48
25	Geochemical control on spatial variability of fluoride concentrations in groundwater from rural areas of Gujrat in Punjab, Pakistan. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	17
24	Early detection of the effects of compaction in forested soils: evidence from selective extraction techniques. <i>Journal of Soils and Sediments</i> , 2016 , 16, 2223-2233	3.4	5
23	Remediation of arsenic-contaminated water using agricultural wastes as biosorbents. <i>Critical Reviews in Environmental Science and Technology</i> , 2016 , 46, 467-499	11.1	123
22	Arsenic(V) biosorption by charred orange peel in aqueous environments. <i>International Journal of Phytoremediation</i> , 2016 , 18, 442-9	3.9	65
21	Removal and Recovery of Metals by Biosorbents and Biochars Derived From Biowastes 2016 , 149-177		15
20	Clay Minerals: Structure, Chemistry, and Significance in Contaminated Environments and Geological CO ₂ Sequestration 2016 , 543-567		10
19	Phytoremediation of Arsenic-Contaminated Soils Using Arsenic Hyperaccumulating Ferns 2016 , 521-545		9

18	Research on characteristics of heavy metals (As, Cd, Zn) in coal from Southwest China and prevention method by using modified calcium-based materials. <i>Fuel</i> , 2016 , 186, 714-725	7.1	20
17	Arsenic sorption to nanoparticulate mackinawite (FeS): An examination of phosphate competition. <i>Environmental Pollution</i> , 2016 , 218, 111-117	9.3	92
16	Pesticides Pollution in Agricultural Soils of Pakistan 2016 , 199-229		8
15	Exogenous application of ethylenediaminetetraacetic acid enhanced phytoremediation of cadmium by Brassica napus L.. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 3981-3992	3.3	39
14	Effect of Substrate Dependent Ethylene on Cotton (<i>Gossypium hirsutum</i> L.) at Physiological and Molecular Levels Under Salinity Stress. <i>Journal of Plant Nutrition</i> , 2015 , 38, 1913-1928	2.3	
13	Mid-infrared spectroscopy and partial least-squares regression to estimate soil arsenic at a highly variable arsenic-contaminated site. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 1965-1974	3.3	67
12	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, 12371-90	4.6	129
11	Multivariate Analysis of Grain Yield and Its Attributing Traits in Different Maize Hybrids Grown under Heat and Drought Stress. <i>Scientifica</i> , 2015 , 2015, 563869	2.6	7
10	Alleviation of Nickel-Induced Stress in Mungbean through Application of Gibberellic Acid. <i>International Journal of Agriculture and Biology</i> , 2015 , 17, 990-994	1.5	10
9	Mechanisms of metal-phosphates formation in the rhizosphere soils of pea and tomato: environmental and sanitary consequences. <i>Journal of Soils and Sediments</i> , 2014 , 14, 666-678	3.4	61
8	Soil Contaminants: Sources, Effects, and Approaches for Remediation 2014 , 171-196		5
7	Letter to the editor regarding, "first evidence on different transportation modes of arsenic and phosphorus in arsenic hyperaccumulator <i>Pteris vittata</i> " by Lei et al. (2012). <i>Environmental Pollution</i> , 2012 , 165, 167; author reply 168	9.3	
6	Phytoremediation of an arsenic-contaminated site using <i>Pteris vittata</i> L. and <i>Pityrogramma calomelanos</i> var. <i>austroamericana</i> : a long-term study. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 3506-15	5.1	66
5	Arsenic speciation and phytoavailability in contaminated soils using a sequential extraction procedure and XANES spectroscopy. <i>Environmental Science & Technology</i> , 2011 , 45, 7135-42	10.3	109
4	Evaluation of spatial variability of soil arsenic adjacent to a disused cattle-dip site, using model-based geostatistics. <i>Environmental Science & Technology</i> , 2011 , 45, 10463-70	10.3	35
3	Phytoremediation potential of <i>Pityrogramma calomelanos</i> var. <i>austroamericana</i> and <i>Pteris vittata</i> L. grown at a highly variable arsenic contaminated site. <i>International Journal of Phytoremediation</i> , 2011 , 13, 912-32	3.9	24
2	Soil silicon fractions along karst hillslopes of southwestern China. <i>Journal of Soils and Sediments</i> , 2011 , 11, 1043-50	3.4	
1	Influence of biochar on trace element uptake, toxicity and detoxification in plants and associated health risks: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2011 , 41, 1-41	11.1	23

