

# Nabeel Khan Niazi

## List of Publications by Citations

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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	A comparison of technologies for remediation of heavy metal contaminated soils. <i>Journal of Geochemical Exploration</i> , <b>2017</b> , 182, 247-268	3.8	539
160	Chromium speciation, bioavailability, uptake, toxicity and detoxification in soil-plant system: A review. <i>Chemosphere</i> , <b>2017</b> , 178, 513-533	8.4	446
159	Foliar heavy metal uptake, toxicity and detoxification in plants: A comparison of foliar and root metal uptake. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 325, 36-58	12.8	445
158	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> , <b>2017</b> , 186, 285-292	7.9	364
157	Arsenic Uptake, Toxicity, Detoxification, and Speciation in Plants: Physiological, Biochemical, and Molecular Aspects. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	348
156	Wood-based biochar for the removal of potentially toxic elements in water and wastewater: a critical review. <i>International Materials Reviews</i> , <b>2019</b> , 64, 216-247	16.1	228
155	Arsenic removal by perilla leaf biochar in aqueous solutions and groundwater: An integrated spectroscopic and microscopic examination. <i>Environmental Pollution</i> , <b>2018</b> , 232, 31-41	9.3	222
154	A critical review of selenium biogeochemical behavior in soil-plant system with an inference to human health. <i>Environmental Pollution</i> , <b>2018</b> , 234, 915-934	9.3	214
153	Impact of sugarcane bagasse-derived biochar on heavy metal availability and microbial activity: A field study. <i>Chemosphere</i> , <b>2018</b> , 200, 274-282	8.4	168
152	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> , <b>2019</b> , 127, 819-847	12.9	160
151	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> , <b>2018</b> , 15,	4.6	140
150	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> , <b>2017</b> , 576, 766-774	10.2	134
149	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> , <b>2015</b> , 12, 12371-90	4.6	129
148	Advances and future directions of biochar characterization methods and applications. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2017</b> , 47, 2275-2330	11.1	128
147	Remediation of arsenic-contaminated water using agricultural wastes as biosorbents. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2016</b> , 46, 467-499	11.1	123
146	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> , <b>2018</b> , 621, 1642-1651	10.2	122
145	A critical review on arsenic removal from water using biochar-based sorbents: The significance of modification and redox reactions. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125195	14.7	121

144	Arsenic speciation and phytoavailability in contaminated soils using a sequential extraction procedure and XANES spectroscopy. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 7135-42	10.3	109
143	A meta-analysis of the distribution, sources and health risks of arsenic-contaminated groundwater in Pakistan. <i>Environmental Pollution</i> , <b>2018</b> , 242, 307-319	9.3	108
142	Cadmium Bioavailability, Uptake, Toxicity and Detoxification in Soil-Plant System. <i>Reviews of Environmental Contamination and Toxicology</i> , <b>2017</b> , 241, 73-137	3.5	102
141	Chromium(VI) sorption efficiency of acid-activated banana peel over organo-montmorillonite in aqueous solutions. <i>International Journal of Phytoremediation</i> , <b>2017</b> , 19, 605-613	3.9	93
140	Arsenic sorption to nanoparticulate mackinawite (FeS): An examination of phosphate competition. <i>Environmental Pollution</i> , <b>2016</b> , 218, 111-117	9.3	92
139	Exploring the arsenic removal potential of various biosorbents from water. <i>Environment International</i> , <b>2019</b> , 123, 567-579	12.9	89
138	The evaluation of arsenic contamination potential, speciation and hydrogeochemical behaviour in aquifers of Punjab, Pakistan. <i>Chemosphere</i> , <b>2018</b> , 199, 737-746	8.4	88
137	Phosphate-assisted phytoremediation of arsenic by Brassica napus and Brassica juncea: Morphological and physiological response. <i>International Journal of Phytoremediation</i> , <b>2017</b> , 19, 670-678	3.9	87
136	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> , <b>2020</b> , 711, 134749	10.2	81
135	Comparative effect of calcium and EDTA on arsenic uptake and physiological attributes of Pisum sativum. <i>International Journal of Phytoremediation</i> , <b>2017</b> , 19, 662-669	3.9	78
134	Arsenic removal by natural and chemically modified water melon rind in aqueous solutions and groundwater. <i>Science of the Total Environment</i> , <b>2018</b> , 645, 1444-1455	10.2	71
133	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> , <b>2015</b> , 12, 1965-1974	3.3	67
132	Phytoremediation of an arsenic-contaminated site using Pteris vittata L. and Pityrogramma calomelanos var. austroamericana: a long-term study. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 3506-15	5.1	66
131	Arsenic(V) biosorption by charred orange peel in aqueous environments. <i>International Journal of Phytoremediation</i> , <b>2016</b> , 18, 442-9	3.9	65
130	A critical review of different factors governing the fate of pesticides in soil under biochar application. <i>Science of the Total Environment</i> , <b>2020</b> , 711, 134645	10.2	65
129	Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. <i>Land Degradation and Development</i> , <b>2018</b> , 29, 2162-2171	4.4	64
128	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> , <b>2017</b> , 19, 1037-1046	3.9	61
127	Mechanisms of metal-phosphates formation in the rhizosphere soils of pea and tomato: environmental and sanitary consequences. <i>Journal of Soils and Sediments</i> , <b>2014</b> , 14, 666-678	3.4	61

126	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> , <b>2019</b> , 26, 20018-20029	5.1	61
125	Nano-zerovalent manganese/biochar composite for the adsorptive and oxidative removal of Congo-red dye from aqueous solutions. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123854	12.8	60
124	Effect of compost addition on arsenic uptake, morphological and physiological attributes of maize plants grown in contrasting soils. <i>Journal of Geochemical Exploration</i> , <b>2017</b> , 178, 83-91	3.8	58
123	A review of biochar-based sorbents for separation of heavy metals from water. <i>International Journal of Phytoremediation</i> , <b>2020</b> , 22, 111-126	3.9	57
122	Arsenic Level and Risk Assessment of Groundwater in Vehari, Punjab Province, Pakistan. <i>Exposure and Health</i> , <b>2018</b> , 10, 229-239	8.8	56
121	Trace elements-induced phytohemesis: A critical review and mechanistic interpretation. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 50, 1984-2015	11.1	55
120	Sorption mechanisms of lead on silicon-rich biochar in aqueous solution: Spectroscopic investigation. <i>Science of the Total Environment</i> , <b>2019</b> , 672, 572-582	10.2	50
119	Influence of pyrolysis temperature on lead immobilization by chemically modified coconut fiber-derived biochars in aqueous environments. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 22890-22896	5.1	48
118	Arsenic Behaviour in Soil-Plant System: Biogeochemical Reactions and Chemical Speciation Influences <b>2017</b> , 97-140		48
117	Arsenic speciation and biotransformation pathways in the aquatic ecosystem: The significance of algae. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 124027	12.8	46
116	Effect of Corn Residue Biochar on the Hydraulic Properties of Sandy Loam Soil. <i>Sustainability</i> , <b>2017</b> , 9, 266	3.6	43
115	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> , <b>2020</b> , 42, 121-133	4.7	43
114	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> , <b>2017</b> , 24, 16097-16106	5.1	41
113	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> , <b>2018</b> , 18, 2271-2281	3.4	41
112	Exogenous application of ethylenediaminetetraacetic acid enhanced phytoremediation of cadmium by <i>Brassica napus</i> L.. <i>International Journal of Environmental Science and Technology</i> , <b>2015</b> , 12, 3981-3992	3.3	39
111	Comparative efficiency of peanut shell and peanut shell biochar for removal of arsenic from water. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 18624-18635	5.1	37
110	Chromium(VI) removal by siderite (FeCO) in anoxic aqueous solutions: An X-ray absorption spectroscopy investigation. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 1424-1431	10.2	35
109	Evaluation of spatial variability of soil arsenic adjacent to a disused cattle-dip site, using model-based geostatistics. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 10463-70	10.3	35

108	Foliar uptake of arsenic nanoparticles by spinach: an assessment of physiological and human health risk implications. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 20121-20131	5.1	35
107	Sorption of lead in soil amended with coconut fiber biochar: Geochemical and spectroscopic investigations. <i>Geoderma</i> , <b>2019</b> , 350, 52-60	6.7	34
106	Arsenic and fluoride removal by potato peel and rice husk (PPRH) ash in aqueous environments. <i>International Journal of Phytoremediation</i> , <b>2017</b> , 19, 1029-1036	3.9	32
105	Assessment of potential dietary toxicity and arsenic accumulation in two contrasting rice genotypes: Effect of soil amendments. <i>Chemosphere</i> , <b>2019</b> , 225, 104-114	8.4	32
104	Arsenic biogeochemical cycling in paddy soil-rice system: Interaction with various factors, amendments and mineral nutrients. <i>Science of the Total Environment</i> , <b>2021</b> , 773, 145040	10.2	32
103	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> , <b>2021</b> , 51, 1727-1865	11.1	31
102	Biogeochemistry of antimony in soil-plant system: Ecotoxicology and human health. <i>Applied Geochemistry</i> , <b>2019</b> , 106, 45-59	3.5	29
101	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> , <b>2020</b> , 394, 124869	14.7	29
100	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> , <b>2021</b> , 402, 124074	12.8	29
99	Arsenic removal from aqueous solutions and groundwater using agricultural biowastes-derived biosorbents and biochar: a column-scale investigation. <i>International Journal of Phytoremediation</i> , <b>2019</b> , 21, 509-518	3.9	28
98	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> , <b>2019</b> , 26, 362-370	5.1	27
97	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> , <b>2019</b> , 669, 333-341	10.2	26
96	Characterization of pig manure-derived hydrochars for their potential application as fertilizer. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 25772-25779	5.1	26
95	A critical analysis of wastewater use in agriculture and associated health risks in Pakistan. <i>Environmental Geochemistry and Health</i> , <b>2020</b> , 1	4.7	26
94	Biogeochemical behavior of nickel under different abiotic stresses: toxicity and detoxification mechanisms in plants. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 10496-10514	5.1	24
93	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> , <b>2011</b> , 13, 912-32	3.9	24
92	Impact of genetically modified crops on rhizosphere microorganisms and processes: A review focusing on Bt cotton. <i>Applied Soil Ecology</i> , <b>2020</b> , 148, 103492	5	23
91	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> , 1-41	11.1	23

90	Health risks of arsenic buildup in soil and food crops after wastewater irrigation. <i>Science of the Total Environment</i> , <b>2021</b> , 772, 145266	10.2	23
89	Effect of tobacco stem-derived biochar on soil metal immobilization and the cultivation of tobacco plant. <i>Journal of Soils and Sediments</i> , <b>2019</b> , 19, 2313-2321	3.4	23
88	Sustainable applications of rice feedstock in agro-environmental and construction sectors: A global perspective. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 153, 111791	16.2	22
87	Arsenic tolerance and phytoremediation potential of <i>Conocarpus erectus</i> L. and <i>Populus deltoides</i> L. <i>International Journal of Phytoremediation</i> , <b>2017</b> , 19, 985-991	3.9	21
86	Assessment of Soil Health in Urban Agriculture: Soil Enzymes and Microbial Properties. <i>Sustainability</i> , <b>2017</b> , 9, 310	3.6	21
85	Describing the toxicity and sources and the remediation technologies for mercury-contaminated soil.. <i>RSC Advances</i> , <b>2020</b> , 10, 23221-23232	3.7	20
84	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> , <b>2016</b> , 186, 714-725	7.1	20
83	Phytoremediation of Cadmium-Polluted Water/Sediment by Aquatic Macrophytes: Role of Plant-Induced pH Changes <b>2019</b> , 495-529		18
82	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> , <b>2018</b> , 25, 2958-2971	5.1	18
81	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> , <b>2018</b> , 29, 323-337	4.1	18
80	Cadmium tolerance and phytoremediation potential of acacia ( <i>Acacia nilotica</i> L.) under salinity stress. <i>International Journal of Phytoremediation</i> , <b>2018</b> , 20, 739-746	3.9	17
79	Geochemical control on spatial variability of fluoride concentrations in groundwater from rural areas of Gujrat in Punjab, Pakistan. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	17
78	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. <i>Science of the Total Environment</i> , <b>2021</b> , 780, 146274	10.2	17
77	Changes of nutrients and potentially toxic elements during hydrothermal carbonization of pig manure. <i>Chemosphere</i> , <b>2020</b> , 243, 125331	8.4	16
76	Prevalence of SARS-CoV-2 in Communities Through Wastewater Surveillance-a Potential Approach for Estimation of Disease Burden. <i>Current Pollution Reports</i> , <b>2021</b> , 7, 1-7	7.6	16
75	Risk assessment of potentially toxic metal(loid)s in <i>Vigna radiata</i> L. under wastewater and freshwater irrigation. <i>Chemosphere</i> , <b>2021</b> , 265, 129124	8.4	16
74	Removal and Recovery of Metals by Biosorbents and Biochars Derived From Biowastes <b>2016</b> , 149-177		15
73	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> , <b>2019</b> , 41, 1777-1791	4.7	15

72	Constructed wetlands as a sustainable technology for wastewater treatment with emphasis on chromium-rich tannery wastewater. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 422, 126926	12.8	15
71	Effect of Eucalyptus forests on understory vegetation and soil quality. <i>Journal of Soils and Sediments</i> , <b>2017</b> , 17, 2383-2389	3.4	14
70	Biogeochemical cycling, speciation and transformation pathways of arsenic in aquatic environments with the emphasis on algae. <i>Comprehensive Analytical Chemistry</i> , <b>2019</b> , 85, 15-51	1.9	14
69	Plant growth promotion and enhanced uptake of Cd by combinatorial application of and EDTA on L. <i>International Journal of Phytoremediation</i> , <b>2020</b> , 22, 1372-1384	3.9	14
68	Nitrogen fertilizer enhances zinc and cadmium uptake by hyperaccumulator <i>Sedum alfredii</i> Hance. <i>Journal of Soils and Sediments</i> , <b>2020</b> , 20, 320-329	3.4	14
67	Occurrence of various viruses and recent evidence of SARS-CoV-2 in wastewater systems. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 414, 125439	12.8	13
66	Arsenic Environmental Contamination Status in South Asia <b>2020</b> , 13-39		13
65	Exogenous selenium (cadmium) inhibits the absorption and transportation of cadmium (selenium) in rice. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115829	9.3	13
64	Bioaccumulation of Potentially Toxic Elements in Cereal and Legume Crops: A Review. <i>Clean - Soil, Air, Water</i> , <b>2017</b> , 45, 1700548	1.6	12
63	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> , <b>2018</b> , 115, 38-48	5.5	11
62	Zinc in soil-plant-human system: A data-analysis review. <i>Science of the Total Environment</i> , <b>2021</b> , 808, 152024	10.2	11
61	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> , <b>2020</b> , 741, 140440	10.2	10
60	Alleviation of Nickel-Induced Stress in Mungbean through Application of Gibberellic Acid. <i>International Journal of Agriculture and Biology</i> , <b>2015</b> , 17, 990-994	1.5	10
59	Clay Minerals: Structure, Chemistry, and Significance in Contaminated Environments and Geological CO2 Sequestration <b>2016</b> , 543-567		10
58	Sediment quality, elemental bioaccumulation and antimicrobial properties of mangroves of Indian Sundarban. <i>Environmental Geochemistry and Health</i> , <b>2019</b> , 41, 275-296	4.7	9
57	Phytoremediation of Arsenic-Contaminated Soils Using Arsenic Hyperaccumulating Ferns <b>2016</b> , 521-545		9
56	Biochar as an (Im)mobilizing Agent for the Potentially Toxic Elements in Contaminated Soils <b>2019</b> , 255-274		9
55	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> , <b>2019</b> , 26, 11579-11590	5.1	8

54	Evaluation of Agroforestry Carbon Storage Status and Potential in Irrigated Plains of Pakistan. <i>Forests</i> , <b>2019</b> , 10, 640	2.8	8
53	Enhanced sorption of trivalent antimony by chitosan-loaded biochar in aqueous solutions: Characterization, performance and mechanisms. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 425, 127971	12.8	8
52	Pesticides Pollution in Agricultural Soils of Pakistan <b>2016</b> , 199-229		8
51	Recent Advances in Arsenic Accumulation in Rice <b>2019</b> , 385-398		8
50	Nickel in soil and water: Sources, biogeochemistry, and remediation using biochar. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 419, 126421	12.8	8
49	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> , <b>2022</b> , 286, 131790	8.4	8
48	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> , <b>2019</b> , 21, 461-470	3.9	7
47	Multivariate Analysis of Grain Yield and Its Attributing Traits in Different Maize Hybrids Grown under Heat and Drought Stress. <i>Scientifica</i> , <b>2015</b> , 2015, 563869	2.6	7
46	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> , <b>2021</b> , 427, 128131	12.8	7
45	Use of agricultural bio-wastes to remove arsenic from contaminated water. <i>Environmental Geochemistry and Health</i> , <b>2020</b> , 1	4.7	7
44	Elucidating distinct oxidative stress management, nutrient acquisition and yield responses of <i>Pisum sativum</i> L. fertigated with diluted and treated wastewater. <i>Agricultural Water Management</i> , <b>2021</b> , 247, 106720	5.9	7
43	Ecotoxicology of Heavy Metal(loid)-Enriched Particulate Matter: Foliar Accumulation by Plants and Health Impacts. <i>Reviews of Environmental Contamination and Toxicology</i> , <b>2021</b> , 253, 65-113	3.5	7
42	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> , <b>2021</b> , 420, 126620	12.8	7
41	BIOMASS, CARBON STOCKS AND CO <sub>2</sub> SEQUESTRATION IN THREE DIFFERENT AGED IRRIGATED <i>POPULUS DELTOIDES</i> BARTR. EX MARSH. BUND PLANTING AGROFORESTRY SYSTEMS. <i>Applied Ecology and Environmental Research</i> , <b>2018</b> , 16, 6239-6252	1.9	6
40	Effects of Lead Salts on Growth, Chlorophyll Contents and Tissue Concentration of Rice Genotypes. <i>International Journal of Agriculture and Biology</i> , <b>2017</b> , 19, 69-76	1.5	6
39	Manganese oxide-modified biochar: production, characterization and applications for the removal of pollutants from aqueous environments - a review.. <i>Bioresource Technology</i> , <b>2021</b> , 346, 126581	11	6
38	Early detection of the effects of compaction in forested soils: evidence from selective extraction techniques. <i>Journal of Soils and Sediments</i> , <b>2016</b> , 16, 2223-2233	3.4	5
37	Wetting-drying cycles during a rice-wheat crop rotation rapidly (im)mobilize recalcitrant soil phosphorus. <i>Journal of Soils and Sediments</i> , <b>2020</b> , 20, 3921-3930	3.4	5



36	Soil Contaminants: Sources, Effects, and Approaches for Remediation <b>2014</b> , 171-196		5
35	Nanobiochar-rhizosphere interactions: Implications for the remediation of heavy-metal contaminated soils.. <i>Environmental Pollution</i> , <b>2022</b> , 299, 118810	9.3	4
34	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> , <b>2018</b> , 55, 521-529	1.5	4
33	Microbe-EDTA mediated approach in the phytoremediation of lead-contaminated soils using maize (L.) plants. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 23, 585-596	3.9	4
32	Unveiling the Efficiency of Vermicompost Derived from Different Biowastes on Wheat ( <i>Triticum aestivum</i> L.) Plant Growth and Soil Health. <i>Agronomy</i> , <b>2019</b> , 9, 791	3.6	4
31	Compost-mediated arsenic phytoremediation, health risk assessment and economic feasibility using L. in contrasting textured soils. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 23, 899-910	3.9	4
30	A modeling approach for unveiling adsorption of toxic ions on iron oxide nanocrystals. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 417, 126005	12.8	4
29	The significance of eighteen rice genotypes on arsenic accumulation, physiological response and potential health risk.. <i>Science of the Total Environment</i> , <b>2022</b> , 832, 155004	10.2	4
28	Biochar and soil properties limit the phytoavailability of lead and cadmium by <i>Brassica chinensis</i> L. in contaminated soils. <i>Biochar</i> , <b>2022</b> , 4, 1	10	3
27	Nickel Mobilization/Immobilization and Phytoavailability in Soils as Affected by Organic and Inorganic Amendments <b>2018</b> , 265-292		3
26	Phytoremediation of Agricultural Pollutants. <i>Concepts and Strategies in Plant Sciences</i> , <b>2020</b> , 27-81	0.5	3
25	The potential of microbes and sulfate in reducing arsenic phytoaccumulation by maize ( <i>Zea mays</i> L.) plants. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 43, 5037-5051	4.7	3
24	Arsenic-induced oxidative stress in <i>Brassica oleracea</i> : Multivariate and literature data analyses of physiological parameters, applied levels and plant organ type. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 1	4.7	3
23	Redox Mechanisms and Plant Tolerance Under Heavy Metal Stress: Genes and Regulatory Networks <b>2019</b> , 71-105		2
22	The role of various ameliorants on geochemical arsenic distribution and CO <sub>2</sub> -carbon efflux under paddy soil conditions.. <i>Environmental Geochemistry and Health</i> , <b>2022</b> , 1	4.7	2
21	Biochar: A Game Changer for Sustainable Agriculture <b>2022</b> , 143-157		2
20	Better management of groundwater needed in Pakistan. <i>Nature</i> , <b>2018</b> , 554, 300	50.4	2
19	Hydrogeochemical and health risk investigation of potentially toxic elements in groundwater along River Sutlej floodplain in Punjab, Pakistan. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 43, 5195-5209	4.7	2

18	Developments in Nanoadsorbents for the Treatment of Arsenic-Contaminated Water <b>2021</b> , 325-361		2
17	A meta-analysis of photocatalytic performance and efficiency of bismuth oxide (BiO <sub>2-x</sub> ). <i>Journal of Cleaner Production</i> , <b>2021</b> , 322, 129070	10.3	2
16	Removal of toxic elements from aqueous environments using nano zero-valent iron- and iron oxide-modified biochar: a review. <i>Biochar</i> , <b>2022</b> , 4, 1	10	2
15	Distribution and ecological risk assessment of trace elements in the paddy soil-rice ecosystem of Punjab, Pakistan. <i>Environmental Pollution</i> , <b>2022</b> , 307, 119492	9.3	2
14	Current Approaches for the Assessment of In Situ Remediation of Xenobiotics. <i>Soil Biology</i> , <b>2017</b> , 171-196		1
13	Arsenic Removal from Water Using Biochar-Based Sorbents <b>2020</b> , 63-80		1
12	Exploring the potential of nano-zerovalent copper modified biochar for the removal of ciprofloxacin from water. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2021</b> , 16, 100604 <sup>3,3</sup>		1
11	Impacts of Water Quality on Human Health in Pakistan. <i>World Water Resources</i> , <b>2021</b> , 225-247	0.3	1
10	Recent developments in phosphate-assisted phytoremediation of potentially toxic metal(loid)s-contaminated soils <b>2022</b> , 345-370		1
9	Elucidating the Potential of Vertical Flow-Constructed Wetlands Vegetated with Different Wetland Plant Species for the Remediation of Chromium-Contaminated Water. <i>Sustainability</i> , <b>2022</b> , 14, 5230	3.6	1
8	Application of magnetic biochars for the removal of aquatic pollutants <b>2022</b> , 393-419		0
7	Modified and pristine biochars for remediation of chromium contamination in soil and aquatic systems.. <i>Chemosphere</i> , <b>2022</b> , 134942	8.4	0
6	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> , <b>2015</b> , 38, 1913-1928	2.3	
5	Injustices of foreign investment in coal. <i>Science</i> , <b>2018</b> , 360, 1081	33.3	
4	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> , <b>2012</b> , 165, 167; author reply 168	9.3	
3	Soil silicon fractions along karst hillslopes of southwestern China. <i>Journal of Soils and Sediments</i> ,1	3.4	
2	Biogeochemical Behavior of Arsenic in Biochar-Amended Soils <b>2018</b> , 83-104		
1	Targeting Cd coping mechanisms for stress tolerance in under spiked-substrate system: from physiology to remediation perspective. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 1-15	3.9	

