

Rong-Liang Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

290
papers

14,293
citations

15466

65
h-index

29081

104
g-index

297
all docs

297
docs citations

297
times ranked

13697
citing authors

#	ARTICLE	IF	CITATIONS
1	Relative distribution of Pb ²⁺ sorption mechanisms by sludge-derived biochar. <i>Water Research</i> , 2012, 46, 854-862.	5.3	886
2	Characterization of sewage sludge-derived biochars from different feedstocks and pyrolysis temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 102, 137-143.	2.6	300
3	3D hierarchical H ₂ -reduced Mn-doped CeO ₂ microflowers assembled from nanotubes as a high-performance Fenton-like photocatalyst for tetracycline antibiotics degradation. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119171.	10.8	260
4	Mitigation effects of silicon rich amendments on heavy metal accumulation in rice (<i>Oryza sativa</i> L.) planted on multi-metal contaminated acidic soil. <i>Chemosphere</i> , 2011, 83, 1234-1240.	4.2	256
5	Agromining: Farming for Metals in the Future?. <i>Environmental Science & Technology</i> , 2015, 49, 4773-4780.	4.6	243
6	Photocatalytic activity of polymer-modified ZnO under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2008, 156, 80-85.	6.5	208
7	The study of operating variables in soil washing with EDTA. <i>Environmental Pollution</i> , 2009, 157, 229-236.	3.7	194
8	Lead, zinc, cadmium hyperaccumulation and growth stimulation in <i>Arabis paniculata</i> Franch. <i>Environmental and Experimental Botany</i> , 2009, 66, 126-134.	2.0	184
9	Influence of EDTA washing on the species and mobility of heavy metals residual in soils. <i>Journal of Hazardous Materials</i> , 2010, 173, 369-376.	6.5	181
10	Hyperaccumulator Plants from China: A Synthesis of the Current State of Knowledge. <i>Environmental Science & Technology</i> , 2018, 52, 11980-11994.	4.6	180
11	Facile synthesis of Z-scheme composite of TiO ₂ nanorod/g-C ₃ N ₄ nanosheet efficient for photocatalytic degradation of ciprofloxacin. <i>Journal of Cleaner Production</i> , 2020, 253, 120055.	4.6	180
12	Factors influencing heavy metal availability and risk assessment of soils at typical metal mines in Eastern China. <i>Journal of Hazardous Materials</i> , 2020, 400, 123289.	6.5	176
13	Simultaneous photocatalytic reduction of Cr(VI) and oxidation of phenol over monoclinic BiVO ₄ under visible light irradiation. <i>Chemosphere</i> , 2006, 63, 956-963.	4.2	175
14	Pb(II) and Cr(VI) sorption by biochars pyrolyzed from the municipal wastewater sludge under different heating conditions. <i>Bioresource Technology</i> , 2013, 147, 545-552.	4.8	175
15	Structure, Variation, and Co-occurrence of Soil Microbial Communities in Abandoned Sites of a Rare Earth Elements Mine. <i>Environmental Science & Technology</i> , 2016, 50, 11481-11490.	4.6	163
16	Wet torrefaction of biomass for high quality solid fuel production: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 259-271.	8.2	163
17	Controllable synthesis of mesoporous manganese oxide microsphere efficient for photo-Fenton-like removal of fluoroquinolone antibiotics. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 298-308.	10.8	163
18	Photocatalytic reduction of CO ₂ to hydrocarbons using AgBr/TiO ₂ nanocomposites under visible light. <i>Catalysis Today</i> , 2011, 175, 256-263.	2.2	158

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19	Urinary Concentrations of Bisphenols and Their Association with Biomarkers of Oxidative Stress in People Living Near E-Waste Recycling Facilities in China. <i>Environmental Science & Technology</i> , 2016, 50, 4045-4053.	4.6	157
20	Adsorption-reduction removal of Cr(VI) by tobacco petiole pyrolytic biochar: Batch experiment, kinetic and mechanism studies. <i>Bioresource Technology</i> , 2018, 268, 149-157.	4.8	152
21	OsARM1, an R2R3 MYB Transcription Factor, Is Involved in Regulation of the Response to Arsenic Stress in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1868.	1.7	150
22	Enhanced adsorption of tetracycline by an iron and manganese oxides loaded biochar: Kinetics, mechanism and column adsorption. <i>Bioresource Technology</i> , 2021, 320, 124264.	4.8	147
23	Non-thermal plasma technology for organic contaminated soil remediation: A review. <i>Chemical Engineering Journal</i> , 2017, 313, 157-170.	6.6	140
24	Single Ag atom engineered 3D-MnO ₂ porous hollow microspheres for rapid photothermocatalytic inactivation of <i>E. coli</i> under solar light. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 177-189.	10.8	134
25	Cadmium tolerance of carbon assimilation enzymes and chloroplast in Zn/Cd hyperaccumulator <i>Picris divaricata</i> . <i>Journal of Plant Physiology</i> , 2010, 167, 81-87.	1.6	132
26	Root Iron Plaque on Wetland Plants as a Dynamic Pool of Nutrients and Contaminants. <i>Advances in Agronomy</i> , 2016, 138, 1-96.	2.4	126
27	Antioxidative response to Cd in a newly discovered cadmium hyperaccumulator, <i>Arabis paniculata</i> F.. <i>Chemosphere</i> , 2008, 74, 6-12.	4.2	123
28	Effect of E-waste Recycling on Urinary Metabolites of Organophosphate Flame Retardants and Plasticizers and Their Association with Oxidative Stress. <i>Environmental Science & Technology</i> , 2017, 51, 2427-2437.	4.6	122
29	Role of oxygen active species in the photocatalytic degradation of phenol using polymer sensitized TiO ₂ under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2009, 163, 843-847.	6.5	121
30	Mechanisms of Pb and/or Zn adsorption by different biochars: Biochar characteristics, stability, and binding energies. <i>Science of the Total Environment</i> , 2020, 717, 136894.	3.9	121
31	Phytostabilization Potential of <i>Jatropha Curcas</i> L. in Polymetallic Acid Mine Tailings. <i>International Journal of Phytoremediation</i> , 2011, 13, 788-804.	1.7	117
32	Recovering full metallic resources from waste printed circuit boards: A refined review. <i>Journal of Cleaner Production</i> , 2020, 244, 118690.	4.6	117
33	Photodegradation of phenol in a polymer-modified TiO ₂ semiconductor particulate system under the irradiation of visible light. <i>Catalysis Communications</i> , 2007, 8, 429-433.	1.6	116
34	Associations between polycyclic aromatic hydrocarbon (PAH) exposure and oxidative stress in people living near e-waste recycling facilities in China. <i>Environment International</i> , 2016, 94, 161-169.	4.8	116
35	Stabilization of cationic and anionic metal species in contaminated soils using sludge-derived biochar. <i>Chemosphere</i> , 2016, 149, 263-271.	4.2	116
36	Water, sediment and agricultural soil contamination from an ion-adsorption rare earth mining area. <i>Chemosphere</i> , 2019, 216, 75-83.	4.2	114

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37	Tolerance, accumulation and distribution of zinc and cadmium in hyperaccumulator <i>Potentilla griffithii</i> . <i>Environmental and Experimental Botany</i> , 2009, 66, 317-325.	2.0	111
38	Water eutrophication in China and the combating strategies. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 781-786.	1.6	109
39	Electron transport chains in organohalide-respiring bacteria and bioremediation implications. <i>Biotechnology Advances</i> , 2018, 36, 1194-1206.	6.0	108
40	Synergistic effect of hydrothermal co-carbonization of sewage sludge with fruit and agricultural wastes on hydrochar fuel quality and combustion behavior. <i>Waste Management</i> , 2019, 100, 171-181.	3.7	107
41	Biosorption mechanisms involved in immobilization of soil Pb by <i>Bacillus subtilis</i> DBM in a multi-metal-contaminated soil. <i>Journal of Environmental Sciences</i> , 2014, 26, 2056-2064.	3.2	105
42	Cadmium accumulation in and tolerance of rice (<i>Oryza sativa</i> L.) varieties with different rates of radial oxygen loss. <i>Environmental Pollution</i> , 2011, 159, 1730-1736.	3.7	104
43	Survival Strategies of the Plant-Associated Bacterium <i>Enterobacter</i> sp. Strain EG16 under Cadmium Stress. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1734-1744.	1.4	101
44	Visible light induced photocatalytic reduction of Cr(VI) over polymer-sensitized TiO ₂ and its synergism with phenol oxidation. <i>Water Research</i> , 2012, 46, 2299-2306.	5.3	100
45	Nickel and Zinc Isotope Fractionation in Hyperaccumulating and Nonaccumulating Plants. <i>Environmental Science & Technology</i> , 2014, 48, 11926-11933.	4.6	100
46	Silicon-mediated amelioration of zinc toxicity in rice (<i>Oryza sativa</i> L.) seedlings. <i>Plant and Soil</i> , 2012, 350, 193-204.	1.8	98
47	Designing Cropping Systems for Metal-Contaminated Sites: A Review. <i>Pedosphere</i> , 2012, 22, 470-488.	2.1	97
48	The effects of radial oxygen loss on arsenic tolerance and uptake in rice and on its rhizosphere. <i>Environmental Pollution</i> , 2012, 165, 109-117.	3.7	95
49	Chromium biogeochemical behaviour in soil-plant systems and remediation strategies: A critical review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127233.	6.5	95
50	Enhanced adsorption and photocatalytic activity of BiOI@MWCNT composites towards organic pollutants in aqueous solution. <i>Journal of Hazardous Materials</i> , 2012, 229-230, 72-82.	6.5	90
51	Effective removal of coordinated copper from wastewater using a new dithiocarbamate-type supramolecular heavy metal precipitant. <i>Chemosphere</i> , 2007, 69, 1783-1789.	4.2	87
52	Heavy metals in human urine, foods and drinking water from an e-waste dismantling area: Identification of exposure sources and metal-induced health risk. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 707-713.	2.9	82
53	Evidence of high PM _{2.5} strong acidity in ammonia-rich atmosphere of Guangzhou, China: Transition in pathways of ambient ammonia to form aerosol ammonium at $[\text{NH}_4^+]/[\text{SO}_4^{2-}] = 1.5$. <i>Atmospheric Research</i> , 2011, 99, 488-495.	1.8	81
54	Kinetics and mechanisms of the degradation of PPCPs by zero-valent iron (Fe ⁰) activated peroxydisulfate (PDS) system in groundwater. <i>Journal of Hazardous Materials</i> , 2018, 357, 207-216.	6.5	79

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55	Growth and Cd uptake by rice (<i>Oryza sativa</i>) in acidic and Cd-contaminated paddy soils amended with steel slag. <i>Chemosphere</i> , 2017, 189, 247-254.	4.2	78
56	A cleaner and energy-saving technology of vacuum step-by-step reduction for recovering cobalt and nickel from spent lithium-ion batteries. <i>Journal of Cleaner Production</i> , 2019, 229, 1148-1157.	4.6	77
57	Silane-based coatings on the pyrite for remediation of acid mine drainage. <i>Water Research</i> , 2013, 47, 4391-4402.	5.3	76
58	Performance and kinetic evaluation of anaerobic moving bed biofilm reactor for treating milk permeate from dairy industry. <i>Bioresource Technology</i> , 2009, 100, 5641-5647.	4.8	75
59	High trans-placental transfer of perfluoroalkyl substances alternatives in the matched maternal-cord blood serum: Evidence from a birth cohort study. <i>Science of the Total Environment</i> , 2020, 705, 135885.	3.9	74
60	NiO decorated Mo:BiVO ₄ photoanode with enhanced visible-light photoelectrochemical activity. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 4820-4827.	3.8	72
61	Recovery of rare earth elements from <i>Dicranopteris dichotoma</i> by an enhanced ion exchange leaching process. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 130, 208-213.	1.8	71
62	Removal of trace and major metals by soil washing with Na ₂ EDTA and oxalate. <i>Journal of Soils and Sediments</i> , 2010, 10, 45-53.	1.5	70
63	Cadmium-zinc exchange and their binary relationship in the structure of Zn-related proteins: a mini review. <i>Metallomics</i> , 2014, 6, 1313-1323.	1.0	70
64	Influence of soil washing with a chelator on subsequent chemical immobilization of heavy metals in a contaminated soil. <i>Journal of Hazardous Materials</i> , 2010, 178, 578-587.	6.5	69
65	Waste shrimp shell-derived hydrochar as an emergent material for methyl orange removal in aqueous solutions. <i>Environment International</i> , 2020, 134, 105340.	4.8	69
66	Constitutional tolerance to heavy metals of a fiber crop, ramie (<i>Boehmeria nivea</i>), and its potential usage. <i>Environmental Pollution</i> , 2010, 158, 551-558.	3.7	68
67	Mitigation of Cd accumulation in paddy rice (<i>Oryza sativa</i> L.) by Fe fertilization. <i>Environmental Pollution</i> , 2017, 231, 549-559.	3.7	68
68	Sludge-Derived Biochar for Arsenic(III) Immobilization: Effects of Solution Chemistry on Sorption Behavior. <i>Journal of Environmental Quality</i> , 2015, 44, 1119-1126.	1.0	67
69	Atrazine immobilization on sludge derived biochar and the interactive influence of coexisting Pb(II) or Cr(VI) ions. <i>Chemosphere</i> , 2015, 134, 438-445.	4.2	67
70	Integration of organohalide-respiring bacteria and nanoscale zero-valent iron (Bio-nZVI-RD): A perfect marriage for the remediation of organohalide pollutants?. <i>Biotechnology Advances</i> , 2016, 34, 1384-1395.	6.0	67
71	Nickel hyperaccumulation mechanisms: a review on the current state of knowledge. <i>Plant and Soil</i> , 2018, 423, 1-11.	1.8	67
72	Interaction of cadmium and zinc on accumulation and sub-cellular distribution in leaves of hyperaccumulator <i>Potentilla griffithii</i> . <i>Journal of Hazardous Materials</i> , 2011, 186, 1425-1430.	6.5	65

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73	Gallic acid accelerated BDE47 degradation in PMS/Fe(III) system: Oxidation intermediates autocatalyzed redox cycling of iron. <i>Chemical Engineering Journal</i> , 2020, 384, 123248.	6.6	64
74	Microscopic mechanism about the selective adsorption of Cr(VI) from salt solution on O-rich and N-rich biochars. <i>Journal of Hazardous Materials</i> , 2021, 404, 124162.	6.5	63
75	Responses of non-protein thiols to Cd exposure in Cd hyperaccumulator <i>Arabis paniculata</i> Franch. <i>Environmental and Experimental Botany</i> , 2009, 66, 242-248.	2.0	61
76	Root foraging for zinc and cadmium requirement in the Zn/Cd hyperaccumulator plant <i>Sedum alfredii</i> . <i>Plant and Soil</i> , 2010, 327, 365-375.	1.8	60
77	A new model for simulating microbial cyanide production and optimizing the medium parameters for recovering precious metals from waste printed circuit boards. <i>Journal of Hazardous Materials</i> , 2018, 353, 135-141.	6.5	60
78	Structural development and assembly patterns of the root-associated microbiomes during phytoremediation. <i>Science of the Total Environment</i> , 2018, 644, 1591-1601.	3.9	60
79	Accumulation and fractionation of rare earth elements (REEs) in the naturally grown <i>Phytolacca americana</i> L. in southern China. <i>International Journal of Phytoremediation</i> , 2018, 20, 415-423.	1.7	59
80	Occurrence and fate of colloids and colloid-associated metals in a mining-impacted agricultural soil upon prolonged flooding. <i>Journal of Hazardous Materials</i> , 2018, 348, 56-66.	6.5	58
81	Chelant extraction of heavy metals from contaminated soils using new selective EDTA derivatives. <i>Journal of Hazardous Materials</i> , 2013, 262, 464-471.	6.5	57
82	Degradation of 2,2,4,4-tetrabromodiphenyl ether (BDE-47) by a nano zerovalent iron-activated persulfate process: The effect of metal ions. <i>Chemical Engineering Journal</i> , 2017, 317, 613-622.	6.6	57
83	Two years of aging influences the distribution and lability of metal(loid)s in a contaminated soil amended with different biochars. <i>Science of the Total Environment</i> , 2019, 673, 245-253.	3.9	57
84	Sulfate reduction and copper precipitation by a <i>Citrobacter</i> sp. isolated from a mining area. <i>Journal of Hazardous Materials</i> , 2009, 164, 1310-1315.	6.5	56
85	Metal-tolerant <i>Enterobacter</i> sp. strain EG16 enhanced phytoremediation using <i>Hibiscus cannabinus</i> via siderophore-mediated plant growth promotion under metal contamination. <i>Plant and Soil</i> , 2017, 413, 203-216.	1.8	56
86	Cadmium stable isotope variation in a mountain area impacted by acid mine drainage. <i>Science of the Total Environment</i> , 2019, 646, 696-703.	3.9	56
87	Phytoremediation of Lead and Chromium Contaminated Soil Improves with the Endogenous Phenolics and Proline Production in <i>Parthenium</i> , <i>Cannabis</i> , <i>Euphorbia</i> , and <i>Rumex</i> Species. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	56
88	Nickel translocation via the phloem in the hyperaccumulator <i>Noccaea caerulescens</i> (Brassicaceae). <i>Plant and Soil</i> , 2016, 404, 35-45.	1.8	52
89	How Phytohormone Iaa and Chelator Edta Affect Lead Uptake by ZN/CD Hyperaccumulator <i>Picris Divaricata</i> . <i>International Journal of Phytoremediation</i> , 2011, 13, 1024-1036.	1.7	50
90	In situ N-doped carbon-coated mulberry-like cobalt manganese oxide boosting for visible light driving photocatalytic degradation of pharmaceutical pollutants. <i>Chemical Engineering Journal</i> , 2021, 411, 128497.	6.6	50

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91	Transcriptional up-regulation of genes involved in photosynthesis of the Zn/Cd hyperaccumulator <i>Sedum alfredii</i> in response to zinc and cadmium. <i>Chemosphere</i> , 2016, 164, 190-200.	4.2	49
92	The accumulation and fractionation of Rare Earth Elements in hydroponically grown <i>Phytolacca americana</i> L.. <i>Plant and Soil</i> , 2017, 421, 67-82.	1.8	49
93	Enhanced removal of Cr(VI) in the Fe(III)/natural polyphenols system: role of the in situ generated Fe(II). <i>Journal of Hazardous Materials</i> , 2019, 377, 321-329.	6.5	49
94	An ultrasensitive homogeneous aptasensor for carcinoembryonic antigen based on upconversion fluorescence resonance energy transfer. <i>Talanta</i> , 2019, 195, 33-39.	2.9	49
95	Coupling adsorption-photocatalytic reduction of Cr(VI) by metal-free N-doped carbon. <i>Science of the Total Environment</i> , 2020, 704, 135284.	3.9	49
96	Degradation pathway of malachite green in a novel dual-tank photoelectrochemical catalytic reactor. <i>Journal of Hazardous Materials</i> , 2013, 260, 585-592.	6.5	48
97	Gasification of corn cob using non-thermal arc plasma. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12634-12649.	3.8	48
98	The differentially-expressed proteome in Zn/Cd hyperaccumulator <i>Arabis paniculata</i> Franch. in response to Zn and Cd. <i>Chemosphere</i> , 2011, 82, 321-328.	4.2	47
99	Fractionation of Stable Zinc Isotopes in the Field-Grown Zinc Hyperaccumulator <i>Noccaea caerulea</i> and the Zinc-Tolerant Plant <i>Silene vulgaris</i> . <i>Environmental Science & Technology</i> , 2012, 46, 9972-9979.	4.6	45
100	Pb(II), Cr(VI) and atrazine sorption behavior on sludge-derived biochar: role of humic acids. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16031-16039.	2.7	44
101	Effects of an iron-silicon material, a synthetic zeolite and an alkaline clay on vegetable uptake of As and Cd from a polluted agricultural soil and proposed remediation mechanisms. <i>Environmental Geochemistry and Health</i> , 2017, 39, 353-367.	1.8	44
102	Co-pyrolysis of sewage sludge and hydrochar with coals: Pyrolytic behaviors and kinetics analysis using TG-FTIR and a discrete distributed activation energy model. <i>Energy Conversion and Management</i> , 2020, 203, 112226.	4.4	43
103	Elucidating Toxicodynamic Differences at the Molecular Scale between ZnO Nanoparticles and ZnCl ₂ in <i>Enchytraeus crypticus</i> via Nontargeted Metabolomics. <i>Environmental Science & Technology</i> , 2020, 54, 3487-3498.	4.6	43
104	Gold nanoparticles inducing surface disorders of titanium dioxide photoanode for efficient water splitting. <i>Nano Energy</i> , 2014, 10, 313-321.	8.2	42
105	Mechanisms of Fe biofortification and mitigation of Cd accumulation in rice (<i>Oryza sativa</i> L.) grown hydroponically with Fe chelate fertilization. <i>Chemosphere</i> , 2017, 175, 275-285.	4.2	42
106	Enhanced removal of aqueous Cd(II) by a biochar derived from salt-sealing pyrolysis coupled with NaOH treatment. <i>Applied Surface Science</i> , 2020, 511, 145619.	3.1	42
107	Heavy metal (Pb, Zn) uptake and chemical changes in rhizosphere soils of four wetland plants with different radial oxygen loss. <i>Journal of Environmental Sciences</i> , 2010, 22, 696-702.	3.2	41
108	Cable bacteria extend the impacts of elevated dissolved oxygen into anoxic sediments. <i>ISME Journal</i> , 2021, 15, 1551-1563.	4.4	41

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109	Carboxylesterase-involved metabolism of di-n-butyl phthalate in pumpkin (<i>Cucurbita moschata</i>) seedlings. <i>Environmental Pollution</i> , 2017, 220, 421-430.	3.7	39
110	Zinc Hyperaccumulation and Uptake by <i>Potentilla Griffithii</i> Hook. <i>International Journal of Phytoremediation</i> , 2006, 8, 299-310.	1.7	38
111	Attenuation of Metal Bioavailability in Acidic Multi-Metal Contaminated Soil Treated with Fly Ash and Steel Slag. <i>Pedosphere</i> , 2012, 22, 544-553.	2.1	38
112	Effects of dissolved organic matter derived from forest leaf litter on biodegradation of phenanthrene in aqueous phase. <i>Journal of Hazardous Materials</i> , 2017, 324, 516-525.	6.5	38
113	Accumulation and associated phytotoxicity of novel chlorinated polyfluorinated ether sulfonate in wheat seedlings. <i>Chemosphere</i> , 2020, 249, 126447.	4.2	38
114	Zinc Isotope Fractionation in the Hyperaccumulator <i>Noccaea caerulescens</i> and the Nonaccumulating Plant <i>Thlaspi arvense</i> at Low and High Zn Supply. <i>Environmental Science & Technology</i> , 2016, 50, 8020-8027.	4.6	36
115	Vacuum-Gasification-Condensation of Waste Toner To Produce Industrial Chemicals and Nanomaterials. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4923-4929.	3.2	36
116	Characterization of the Materials in Waste Power Banks and the Green Recovery Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3815-3822.	3.2	36
117	Simultaneous attenuation of phytoaccumulation of Cd and As in soil treated with inorganic and organic amendments. <i>Environmental Pollution</i> , 2019, 250, 464-474.	3.7	36
118	Encapsulating nanoscale zero-valent iron with a soluble Mg(OH) ₂ shell for improved mobility and controlled reactivity release. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2517-2526.	5.2	35
119	Heat evolution and energy analysis of cyanide bioproduction by a cyanogenic microorganism with the potential for bioleaching of precious metals. <i>Journal of Hazardous Materials</i> , 2019, 377, 284-289.	6.5	35
120	Singlet oxygen mediated the selective removal of oxytetracycline in C/Fe ₃ C/FeO system as compared to chloramphenicol. <i>Environment International</i> , 2020, 143, 105899.	4.8	34
121	Phytostabilization of Cd and Pb in Highly Polluted Farmland Soils Using Ramie and Amendments. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1661.	1.2	34
122	The roles of humic substances in the interactions of phenanthrene and heavy metals on the bentonite surface. <i>Journal of Soils and Sediments</i> , 2015, 15, 1463-1472.	1.5	33
123	Natural source of Cr(VI) in soil: The anoxic oxidation of Cr(III) by Mn oxides. <i>Journal of Hazardous Materials</i> , 2022, 433, 128805.	6.5	33
124	Zn and Cd hyperaccumulating characteristics of <i>Picris divaricata</i> Vant.. <i>International Journal of Environment and Pollution</i> , 2009, 38, 26.	0.2	32
125	Influence of the selective EDTA derivative phenyldiaminetetraacetic acid on the speciation and extraction of heavy metals from a contaminated soil. <i>Chemosphere</i> , 2014, 109, 1-6.	4.2	32
126	Phytoextraction of rare earth elements from ion-adsorption mine tailings by <i>Phytolacca americana</i> : Effects of organic material and biochar amendment. <i>Journal of Cleaner Production</i> , 2020, 275, 122959.	4.6	32

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127	Continuous leaching modifies the surface properties and metal(loid) sorption of sludge-derived biochar. <i>Science of the Total Environment</i> , 2018, 625, 731-737.	3.9	31
128	Contact Behavior between Cells and Particles in Bioleaching of Precious Metals from Waste Printed Circuit Boards. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11570-11577.	3.2	31
129	Inhibitory effects of metal ions on reductive dechlorination of polychlorinated biphenyls and perchloroethene in distinct organohalide-respiring bacteria. <i>Environment International</i> , 2020, 135, 105373.	4.8	31
130	Spatially Resolved Localization of Lanthanum and Cerium in the Rare Earth Element Hyperaccumulator Fern <i>Dicranopteris linearis</i> from China. <i>Environmental Science & Technology</i> , 2020, 54, 2287-2294.	4.6	31
131	Effects of zinc oxide nanoparticles on antioxidants, chlorophyll contents, and proline in <i>Persicaria hydropiper</i> L. and its potential for Pb phytoremediation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 34697-34713.	2.7	31
132	Impaired leaf CO ₂ diffusion mediates Cd-induced inhibition of photosynthesis in the Zn/Cd hyperaccumulator <i>Picris divaricata</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 73, 70-76.	2.8	30
133	PAHs Sorption and Desorption on Soil Influenced by Pine Needle Litter-Derived Dissolved Organic Matter. <i>Pedosphere</i> , 2014, 24, 575-584.	2.1	30
134	Vacuum pyrolysis method for reclamation of rare earth elements from hyperaccumulator <i>Dicranopteris dichotoma</i> grown in contaminated soil. <i>Journal of Cleaner Production</i> , 2019, 229, 480-488.	4.6	30
135	Simultaneous hyperaccumulation of rare earth elements, manganese and aluminum in <i>Phytolacca americana</i> in response to soil properties. <i>Chemosphere</i> , 2021, 282, 131096.	4.2	30
136	Effects of Zn on plant tolerance and non-protein thiol accumulation in Zn hyperaccumulator <i>Arabis paniculata</i> Franch. <i>Environmental and Experimental Botany</i> , 2011, 70, 227-232.	2.0	28
137	Electro-migration of heavy metals in an aged electroplating contaminated soil affected by the coexisting hexavalent chromium. <i>Chemosphere</i> , 2012, 86, 809-816.	4.2	28
138	Effect of coexisting Al(III) ions on Pb(II) sorption on biochars: Role of pH buffer and competition. <i>Chemosphere</i> , 2016, 161, 438-445.	4.2	28
139	Potential of <i>Cassia alata</i> L. Coupled with Biochar for Heavy Metal Stabilization in Multi-Metal Mine Tailings. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 494.	1.2	28
140	Chlortetracycline hydrochloride removal by different biochar/Fe composites: A comparative study. <i>Journal of Hazardous Materials</i> , 2021, 403, 123889.	6.5	28
141	Green synthesis of manganese-cobalt-tungsten composite oxides for degradation of doxycycline via efficient activation of peroxymonosulfate. <i>Journal of Hazardous Materials</i> , 2022, 426, 127803.	6.5	28
142	Metal immobilization by sludge-derived biochar: roles of mineral oxides and carbonized organic compartment. <i>Environmental Geochemistry and Health</i> , 2017, 39, 379-389.	1.8	27
143	Pyrolytic behavior and kinetic of wood sawdust at isothermal and non-isothermal conditions. <i>Renewable Energy</i> , 2019, 142, 284-294.	4.3	27
144	Effects of cadmium-resistant plant growth-promoting rhizobacteria and <i>Funneliformis mosseae</i> on the cadmium tolerance of tomato (<i>Lycopersicon esculentum</i> L.). <i>International Journal of Phytoremediation</i> , 2020, 22, 451-458.	1.7	27

#	ARTICLE	IF	CITATIONS
145	Substrate-dependent competition and cooperation relationships between <i>Geobacter</i> and <i>Dehalococcoides</i> for their organohalide respiration. <i>ISME Communications</i> , 2021, 1, .	1.7	27
146	Waste activated sludge stimulates in situ microbial reductive dehalogenation of organohalide-contaminated soil. <i>Journal of Hazardous Materials</i> , 2021, 411, 125189.	6.5	27
147	Element Case Studies: Rare Earth Elements. <i>Mineral Resource Reviews</i> , 2018, , 297-308.	1.5	26
148	Controls on rare-earth element transport in a river impacted by ion-adsorption rare-earth mining. <i>Science of the Total Environment</i> , 2019, 660, 697-704.	3.9	26
149	A resource-utilization way of the waste printed circuit boards to prepare silicon carbide nanoparticles and their photocatalytic application. <i>Journal of Hazardous Materials</i> , 2019, 373, 640-648.	6.5	26
150	Co-deposition of silicon with rare earth elements (REEs) and aluminium in the fern <i>Dicranopteris linearis</i> from China. <i>Plant and Soil</i> , 2019, 437, 427-437.	1.8	26
151	Transformation behaviors and environmental risk assessment of heavy metals during resource recovery from <i>Sedum plumbizincicola</i> via hydrothermal liquefaction. <i>Journal of Hazardous Materials</i> , 2021, 410, 124588.	6.5	26
152	The effect of interaction between <i>Bacillus subtilis</i> DBM and soil minerals on Cu(II) and Pb(II) adsorption. <i>Journal of Environmental Sciences</i> , 2019, 78, 328-337.	3.2	25
153	A novel approach of accurately rationing adsorbent for capturing pollutants via chemistry calculation: Rationing the mass of CaCO ₃ to capture Br-containing substances in the pyrolysis of nonmetallic particles of waste printed circuit boards. <i>Journal of Hazardous Materials</i> , 2020, 393, 122410.	6.5	25
154	Effects of pyrene and fluoranthene on the degradation characteristics of phenanthrene in the cometabolism process by <i>Sphingomonas</i> sp. strain PheB4 isolated from mangrove sediments. <i>Marine Pollution Bulletin</i> , 2010, 60, 2043-2049.	2.3	24
155	Directional concentration of bromine from nonmetallic particles of crushed waste printed circuit boards by vacuum-gasification-condensation. <i>Journal of Cleaner Production</i> , 2019, 231, 462-467.	4.6	24
156	Different dynamic accumulation and toxicity of ZnO nanoparticles and ionic Zn in the soil sentinel organism <i>Enchytraeus crypticus</i> . <i>Environmental Pollution</i> , 2019, 245, 510-518.	3.7	24
157	Phytotoxicity and oxidative effects of typical quaternary ammonium compounds on wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgbT /Over	2.7	23
158	Cellular Tolerance, Accumulation and Distribution of Cadmium in Leaves of Hyperaccumulator <i>Picris divaricata</i> . <i>Pedosphere</i> , 2012, 22, 497-507.	2.1	22
159	Debromination and Decomposition Mechanisms of Phenolic Resin Molecules in Ball Milling with Nano-Zerovalent Iron. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 172-178.	3.2	22
160	A novel technology of recovering magnetic micro particles from spent lithium-ion batteries by ultrasonic dispersion and waterflow-magnetic separation. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105172.	5.3	22
161	Selective Leaching of Rare Earth Elements from Ion-Adsorption Rare Earth Tailings: A Synergy between CeO ₂ Reduction and Fe/Mn Stabilization. <i>Environmental Science & Technology</i> , 2021, 55, 11328-11337.	4.6	22
162	Removal of NO _x by microwave reactor with ammonium bicarbonate and Ga-A zeolites at low temperature. <i>Energy</i> , 2007, 32, 1455-1459.	4.5	21

#	ARTICLE	IF	CITATIONS
163	Ecological Risk Assessment of Neodymium and Yttrium on Rare Earth Element Mine Sites in Ganzhou, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 565-570.	1.3	21
164	Effects of the interactions between nickel and other trace metals on their accumulation in the hyperaccumulator <i>Noccaea caerulea</i> . <i>Environmental and Experimental Botany</i> , 2019, 158, 73-79.	2.0	21
165	Newly deposited atmospheric mercury in a simulated rice ecosystem in an active mercury mining region: High loading, accumulation, and availability. <i>Chemosphere</i> , 2020, 238, 124630.	4.2	21
166	Interaction of Mn and Cd during their uptake in <i>Celosia argentea</i> differs between hydroponic and soil systems. <i>Plant and Soil</i> , 2020, 450, 323-336.	1.8	21
167	Interactions between soil protists and pollutants: An unsolved puzzle. <i>Journal of Hazardous Materials</i> , 2022, 429, 128297.	6.5	21
168	Comparative Life-Cycle Assessment of Aquifer Thermal Energy Storage Integrated with in Situ Bioremediation of Chlorinated Volatile Organic Compounds. <i>Environmental Science & Technology</i> , 2020, 54, 3039-3049.	4.6	20
169	Enrichment and speciation of chromium during basalt weathering: Insights from variably weathered profiles in the Leizhou Peninsula, South China. <i>Science of the Total Environment</i> , 2022, 822, 153304.	3.9	20
170	Effect of arsenic on flavonoid contents in <i>Pteris</i> species. <i>Biochemical Systematics and Ecology</i> , 2010, 38, 529-537.	0.6	19
171	Effects of alkaline and bioorganic amendments on cadmium, lead, zinc, and nutrient accumulation in brown rice and grain yield in acidic paddy fields contaminated with a mixture of heavy metals. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23551-23560.	2.7	19
172	Ecosystem services provided by heavy metal-contaminated soils in China. <i>Journal of Soils and Sediments</i> , 2018, 18, 380-390.	1.5	19
173	Effects of Zn in sludge-derived biochar on Cd immobilization and biological uptake by lettuce. <i>Science of the Total Environment</i> , 2020, 714, 136721.	3.9	19
174	Highly dispersed Ag and g-C ₃ N ₄ quantum dots co-decorated 3D hierarchical Fe ₃ O ₄ hollow microspheres for solar-light-driven pharmaceutical pollutants degradation in natural water matrix. <i>Journal of Hazardous Materials</i> , 2022, 434, 128905.	6.5	19
175	Elements in the Crystals Determine the Distribution of Bromine in Nonmetallic Particles of Crushed Waste Printed Circuit Boards. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13650-13655.	3.2	18
176	Variation in rare earth element (REE), aluminium (Al) and silicon (Si) accumulation among populations of the hyperaccumulator <i>Dicranopteris linearis</i> in southern China. <i>Plant and Soil</i> , 2021, 461, 565-578.	1.8	18
177	Indicator species drive the key ecological functions of microbiota in a river impacted by acid mine drainage generated by rare earth elements mining in South China. <i>Environmental Microbiology</i> , 2022, 24, 919-937.	1.8	18
178	Co-transport and retention of zwitterionic ciprofloxacin with nano-biochar in saturated porous media: Impact of oxidized aging. <i>Science of the Total Environment</i> , 2021, 779, 146417.	3.9	18
179	Genome- and community-level interaction insights into the ecological role of archaea in rare earth element mine drainage in South China. <i>Water Research</i> , 2021, 201, 117331.	5.3	18
180	High Fe utilization efficiency and low toxicity of Fe ₃ C@Fe ₀ loaded biochar for removing of tetracycline hydrochloride in wastewater. <i>Journal of Cleaner Production</i> , 2022, 353, 131630.	4.6	18

#	ARTICLE	IF	CITATIONS
181	Efficient purification of tetracycline wastewater by activated persulfate with heterogeneous Co-V bimetallic oxides. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 188-197.	5.0	18
182	Subcellular distribution and uptake mechanism of di-n-butyl phthalate in roots of pumpkin (<i>Cucurbita</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1167-1175.	2.7	17
183	Mobility of metal(loid)s in Pb/Zn tailings under different revegetation strategies. <i>Journal of Environmental Management</i> , 2020, 263, 110323.	3.8	17
184	Biological aqua crust mitigates metal(loid) pollution and the underlying immobilization mechanisms. <i>Water Research</i> , 2021, 190, 116736.	5.3	17
185	The limited exclusion and efficient translocation mediated by organic acids contribute to rare earth element hyperaccumulation in <i>Phytolacca americana</i> . <i>Science of the Total Environment</i> , 2022, 805, 150335.	3.9	17
186	Plant-Soil Feedbacks for the Restoration of Degraded Mine Lands: A Review. <i>Frontiers in Microbiology</i> , 2021, 12, 751794.	1.5	17
187	Biogeochemical dynamics of nutrients and rare earth elements (REEs) during natural succession from biocrusts to pioneer plants in REE mine tailings in southern China. <i>Science of the Total Environment</i> , 2022, 828, 154361.	3.9	17
188	Metal Immobilization on Wood-Derived Biochars: Distribution and Reactivity of Carbonate Phases. <i>Journal of Environmental Quality</i> , 2017, 46, 845-854.	1.0	16
189	Environment-Friendly Technology of Recovering Full Resources of Waste Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 287-293.	3.2	16
190	Do toxicokinetic and toxicodynamic processes hold the same for light and heavy rare earth elements in terrestrial organism <i>Enchytraeus crypticus</i> ?. <i>Environmental Pollution</i> , 2020, 262, 114234.	3.7	16
191	Recovery of the biological function of ethylenediaminetetraacetic acid-washed soils: Roles of environmental variations and microbes. <i>Science of the Total Environment</i> , 2020, 715, 137032.	3.9	16
192	Energy models and the process of fluid-magnetic separation for recovering cobalt micro-particles from vacuum reduction products of spent lithium ion batteries. <i>Journal of Cleaner Production</i> , 2021, 279, 123230.	4.6	16
193	Phenomic and metabolomic responses of roots to cadmium reveal contrasting resistance strategies in two rice cultivars (<i>Oryza sativa</i> L.). <i>Soil Ecology Letters</i> , 2021, 3, 220-229.	2.4	16
194	Mediation effects of different sulfur forms on solubility, uptake and accumulation of Cd in soil-paddy rice system induced by organic carbon and liming. <i>Environmental Pollution</i> , 2021, 279, 116862.	3.7	16
195	Quantitative analysis on the redox conversion mechanism of Cr(VI) and As(III) by iron carbide based biochar composites. <i>Chemical Engineering Journal</i> , 2022, 446, 137417.	6.6	16
196	Ruthenium dyes with heteroleptic tridentate 2,6-bis(benzimidazol-2-yl)-pyridine for dye-sensitized solar cells: Enhancement in performance through structural modifications. <i>Inorganica Chimica Acta</i> , 2012, 392, 388-395.	1.2	15
197	Experimental and DFT investigation on N-functionalized biochars for enhanced removal of Cr(VI). <i>Environmental Pollution</i> , 2021, 291, 118244.	3.7	15
198	Aqueous aggregation and deposition kinetics of fresh and carboxyl-modified nanoplastics in the presence of divalent heavy metals. <i>Water Research</i> , 2022, 222, 118877.	5.3	15

#	ARTICLE	IF	CITATIONS
199	The photocatalytic interaction of Cr(VI) ions and phenol on polymer-modified TiO ₂ under visible light irradiation. <i>Kinetics and Catalysis</i> , 2015, 56, 569-573.	0.3	14
200	Ecological influences of the migration of micro resin particles from crushed waste printed circuit boards on the dumping soil. <i>Journal of Hazardous Materials</i> , 2020, 386, 121020.	6.5	14
201	Reclamation with organic amendments and plants remodels the diversity and structure of bacterial community in ion-adsorption rare earth element mine tailings. <i>Journal of Soils and Sediments</i> , 2020, 20, 3669-3680.	1.5	14
202	Transport and Retention of Free-Living Amoeba Spores in Porous Media: Effects of Operational Parameters and Extracellular Polymeric Substances. <i>Environmental Science & Technology</i> , 2021, 55, 8709-8720.	4.6	14
203	A new method for recovering rare earth elements from the hyperaccumulating fern <i>Dicranopteris linearis</i> from China. <i>Minerals Engineering</i> , 2021, 166, 106879.	1.8	14
204	Characterization of the <i>Sesbania rostrata</i> Phytochelatin Synthase Gene: Alternative Splicing and Function of Four Isoforms. <i>International Journal of Molecular Sciences</i> , 2009, 10, 3269-3282.	1.8	13
205	Responses of Carbonic Anhydrase to Cadmium in the Zinc/Cadmium Hyperaccumulator <i>Picris divaricata</i> Vant.. <i>Pedosphere</i> , 2016, 26, 709-716.	2.1	13
206	The shuttling effects and associated mechanisms of different types of iron oxide nanoparticles for Cu(II) reduction by <i>Geobacter sulfurreducens</i> . <i>Journal of Hazardous Materials</i> , 2020, 393, 122390.	6.5	13
207	Pathways to a more efficient and cleaner energy system in Guangdong-Hong Kong-Macao Greater Bay Area: A system-based simulation during 2015-2035. <i>Resources, Conservation and Recycling</i> , 2021, 174, 105835.	5.3	13
208	Simultaneous extraction of Cr(VI) and Cu(II) from humic acid with new synthesized EDTA derivatives. <i>Chemosphere</i> , 2012, 88, 730-735.	4.2	12
209	Zerovalent iron in conjunction with surfactants to remediate sediments contaminated by polychlorinated biphenyls and nickel. <i>Chemosphere</i> , 2017, 189, 479-488.	4.2	12
210	Surfactant-facilitated dechlorination of 2,2,5,5-tetrachlorinated biphenyl using zero-valent iron in soil/sediment solution: Integrated effects of plausible factors. <i>Chemosphere</i> , 2018, 212, 845-852.	4.2	12
211	Rare earth elements, aluminium and silicon distribution in the fern <i>Dicranopteris linearis</i> revealed by ¹⁴ PIXE Maia analysis. <i>Annals of Botany</i> , 2021, 128, 17-30.	1.4	12
212	Element Case Studies: Rare Earth Elements. <i>Mineral Resource Reviews</i> , 2021, , 471-483.	1.5	12
213	Biogeochemical cycles of nutrients, rare earth elements (REEs) and Al in soil-plant system in ion-adsorption REE mine tailings remediated with amendment and ramie (<i>Boehmeria nivea</i> L.). <i>Science of the Total Environment</i> , 2022, 809, 152075.	3.9	12
214	H ₃ PO ₄ activation mediated the iron phase transformation and enhanced the removal of bisphenol A on iron carbide-loaded activated biochar. <i>Environmental Pollution</i> , 2022, 300, 118965.	3.7	12
215	Effects of in situ leaching on the origin and migration of rare earth elements in aqueous systems of South China: Insights based on REE patterns, and Ce and Eu anomalies. <i>Journal of Hazardous Materials</i> , 2022, 435, 128959.	6.5	12
216	Metal Mobility and Fraction Distribution in a Multimetal Contaminated Soil Chemically Stabilized with Different Agents. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2011, 15, 266-274.	1.2	11

#	ARTICLE	IF	CITATIONS
217	Investigating speciation and toxicity of heavy metals in anoxic marine sediments—a case study from a mariculture bay in Southern China. <i>Journal of Soils and Sediments</i> , 2016, 16, 665-676.	1.5	11
218	Two-stage multi-fraction first-order kinetic modeling for soil Cd extraction by EDTA. <i>Chemosphere</i> , 2018, 211, 1035-1042.	4.2	11
219	Could the rhizoplane biofilm of wetland plants lead to rhizospheric heavy metal precipitation and iron-sulfur cycle termination?. <i>Journal of Soils and Sediments</i> , 2019, 19, 3760-3772.	1.5	11
220	Effects of light irradiation on the complexes of cadmium and humic acids: The role of thiol groups. <i>Chemosphere</i> , 2019, 225, 174-181.	4.2	11
221	Accelerated biodegradation of p-tert-butylphenol in the <i>Phragmites australis</i> rhizosphere by phenolic root exudates. <i>Environmental and Experimental Botany</i> , 2020, 169, 103891.	2.0	11
222	Sludge pre-treatments change performance and microbiome in methanogenic sludge digesters by releasing different sludge organic matter. <i>Bioresource Technology</i> , 2020, 316, 123909.	4.8	11
223	Robust Matrix Effect-Free Method for Simultaneous Determination of Legacy and Emerging Per- and Polyfluoroalkyl Substances in Crop and Soil Matrices. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8026-8039.	2.4	11
224	Recovery nano-flake (100Ånm thickness) of zero-valent manganese from spent lithium-ion batteries. <i>Journal of Cleaner Production</i> , 2021, 278, 123867.	4.6	11
225	Visualizing and assessing the size-dependent oral uptake, tissue distribution, and detrimental effect of polystyrene microplastics in <i>Eisenia fetida</i> . <i>Environmental Pollution</i> , 2022, 306, 119436.	3.7	11
226	Visible light induced photocatalytic degradation of phenol by polymer-modified semiconductors: Study of the influencing factors and the kinetics. <i>Reaction Kinetics and Catalysis Letters</i> , 2008, 94, 183-189.	0.6	10
227	Characterization of Conjugated Polymer Poly(fluorene-co-thiophene) and Its Application as Photosensitizer of TiO_2 . <i>International Journal of Photoenergy</i> , 2008, 2008, 1-5.	1.4	10
228	Time-dependent uptake and toxicity of nickel to <i>Enchytraeus crypticus</i> in the presence of humic acid and fulvic acid. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 3019-3027.	2.2	10
229	Effect of low-molecular-weight organic acids on hematite dissolution promoted by desferrioxamine B. <i>Environmental Science and Pollution Research</i> , 2018, 25, 163-173.	2.7	10
230	Kinetics, pathways and toxicity of hexabromocyclododecane biodegradation: Isolation of the novel bacterium <i>Citrobacter</i> sp. Y3. <i>Chemosphere</i> , 2021, 274, 129929.	4.2	10
231	Significance of Non-DLVO Interactions on the Co-Transport of Functionalized Multiwalled Carbon Nanotubes and Soil Nanoparticles in Porous Media. <i>Environmental Science & Technology</i> , 2022, 56, 10668-10680.	4.6	10
232	Responses of ramie (<i>Boehmeria nivea</i> L.) to increasing rare earth element (REE) concentrations in a hydroponic system. <i>Journal of Rare Earths</i> , 2022, 40, 840-846.	2.5	9
233	Spatial heterogeneity effects of Zn/Cd-contaminated soil on the removal efficiency by the hyperaccumulator <i>Sedum alfredii</i> . <i>Journal of Soils and Sediments</i> , 2014, 14, 948-954.	1.5	8
234	A Fuzzy-based Methodology for an Aggregative Environmental Risk Assessment of Restored Soil. <i>Pedosphere</i> , 2014, 24, 220-231.	2.1	8

#	ARTICLE	IF	CITATIONS
235	Synergistical enhancement by Ni ²⁺ and Tween-80 of nanoscale zerovalent iron dechlorination of 2,2,4,4-tetrachlorinated biphenyl in aqueous solution. <i>Environmental Science and Pollution Research</i> , 2015, 22, 555-564.	2.7	8
236	Immobilization of Cu by <i>Bacillus subtilis</i> DBM and the Role of Extracellular Polymeric Substances. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	8
237	Variation of the Bacterial Community in the Rhizoplane Iron Plaque of the Wetland Plant <i>Typha latifolia</i> . <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2610.	1.2	8
238	Preparing cedrene from ethylene-vinyl acetate copolymer and polyethylene terephthalate of waste solar cells. <i>Journal of Cleaner Production</i> , 2020, 254, 120065.	4.6	8
239	Dynamic release and transformation of metallic copper colloids in flooded paddy soil: Role of soil reducible sulfate and temperature. <i>Journal of Hazardous Materials</i> , 2021, 402, 123462.	6.5	8
240	Novel phytase PvPHY1 from the As-hyperaccumulator <i>Pteris vittata</i> enhances P uptake and phytate hydrolysis, and inhibits As translocation in Plant. <i>Journal of Hazardous Materials</i> , 2022, 423, 127106.	6.5	8
241	Treatability and kinetic analysis of anaerobic moving bed biofilm reactor treating high strength milk permeate. <i>Desalination and Water Treatment</i> , 2009, 4, 191-197.	1.0	7
242	Effects of exogenous citric acid and malic acid addition on nickel uptake and translocation in leaf mustard (<i>Brassica juncea</i> var. <i>foliosa</i> Bailey) and <i>Alyssum corsicum</i> . <i>International Journal of Environment and Pollution</i> , 2009, 38, 15.	0.2	7
243	Effects of humus on the environmental activity of mineral-bound Hg: influence on Hg plant uptake. <i>Journal of Soils and Sediments</i> , 2011, 11, 959-967.	1.5	7
244	Development of a buried bag technique to study biochars incorporated in a compost or composting medium. <i>Journal of Soils and Sediments</i> , 2017, 17, 656-664.	1.5	7
245	The influence on biosorption potentials of metal-resistant bacteria <i>Enterobacter</i> sp. EG16 and <i>Bacillus subtilis</i> DBM by typical red soil minerals. <i>Journal of Soils and Sediments</i> , 2020, 20, 3217-3229.	1.5	7
246	The impact of termites on soil sheeting properties is better explained by environmental factors than by their feeding and building strategies. <i>Geoderma</i> , 2022, 412, 115706.	2.3	7
247	Organic carbon and eukaryotic predation synergistically change resistance and resilience of aquatic microbial communities. <i>Science of the Total Environment</i> , 2022, 830, 154386.	3.9	7
248	Adsorption of Cadmium by <i>Brassica juncea</i> (L.) Czern. and <i>Brassica pekinensis</i> (Lour.) Rupr in Pot Experiment. <i>Sustainability</i> , 2022, 14, 429.	1.6	7
249	Migration and Stabilization of Multiple Heavy Metals in an Aged Contaminated Soil under a Constant Voltage Electric Field. <i>Soil and Sediment Contamination</i> , 2014, 23, 540-556.	1.1	6
250	Model-based rationalization of mixture toxicity and accumulation in <i>Triticum aestivum</i> upon concurrent exposure to yttrium, lanthanum, and cerium. <i>Journal of Hazardous Materials</i> , 2020, 389, 121940.	6.5	6
251	Non-monotonic contribution of nonionic surfactant on the retention of functionalized multi-walled carbon nanotubes in porous media. <i>Journal of Hazardous Materials</i> , 2021, 407, 124874.	6.5	6
252	Comparative analysis of sRNAs, degradome and transcriptomics in sweet sorghum reveals the regulatory roles of miRNAs in Cd accumulation and tolerance. <i>Planta</i> , 2021, 254, 16.	1.6	6

#	ARTICLE	IF	CITATIONS
253	Operational Conditions of Chelant-Enhanced Soil Washing for Remediation of Metal-Contaminated Soil. , 2012, , 59-91.		6
254	Development of microsatellite markers in a mangrove tree species <i>Aegiceras corniculatum</i> (Myrsinaceae). <i>Molecular Ecology Notes</i> , 2006, 6, 1231-1233.	1.7	5
255	Response of microbial communities to phytoremediation of nickel contaminated soils. <i>Frontiers of Agriculture in China</i> , 2007, 1, 289-295.	0.2	5
256	Influences of organic compounds on the visible light induced photocatalytic reduction of Cr(VI). <i>Kinetics and Catalysis</i> , 2014, 55, 793-797.	0.3	5
257	A novel pneumatic separator for separating diode and CD capacitance of waste printed circuit boards. <i>Energy</i> , 2018, 142, 191-195.	4.5	5
258	Industrial Ramie Growing on Reclaimed Ion-Adsorption Rare Earth Elements Mine Tailings in Southern China: Defibrillation and Fibers Quality. <i>Waste and Biomass Valorization</i> , 2021, 12, 6255-6260.	1.8	5
259	Lead, zinc and cadmium accumulation in herbaceous species and soils in Lanping Pb/Zn mining area, Yunnan Province, China. <i>Diqiu Huaxue</i> , 2006, 25, 250-250.	0.5	4
260	Mechanisms of Cd Hyperaccumulation and Detoxification in Heavy Metal Hyperaccumulators: How Plants Cope with Cd. <i>Progress in Botany Fortschritte Der Botanik</i> , 2012, , 127-159.	0.1	4
261	Study of the Process and Mechanism of the Remediation of Phenol Contaminated Soil by Plasma Vibrated Bed. <i>Plasma Chemistry and Plasma Processing</i> , 2017, 37, 1635-1653.	1.1	4
262	Plasma Fluidized Bed. <i>Advanced Topics in Science and Technology in China</i> , 2018, , .	0.0	4
263	Coupling experiments with calculations to understand the thermodynamics evolution for the sorption of zwitterionic ciprofloxacin on oxidizing-aged pyrogenic chars in the aquatic system. <i>Journal of Hazardous Materials</i> , 2021, 411, 125101.	6.5	4
264	Inoculation of Prickly Pear Litter with Microbial Agents Promotes the Efficiency in Aerobic Composting. <i>Sustainability</i> , 2022, 14, 4824.	1.6	4
265	Contents and Leaching of Trihalomethane Precursors in Soils. <i>Water, Air, and Soil Pollution</i> , 2003, 145, 35-52.	1.1	3
266	Organic acids in two arsenic hyperaccumulators and a non-hyperaccumulator of <i>Pteris</i> exposed to elevated arsenic concentrations. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 241-254.	1.8	3
267	Scientific and Industrial Application of Plasma Fluidized Bed. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 81-121.	0.0	3
268	Quantification of nickel and cobalt mobility and accumulation via the phloem in the hyperaccumulator <i>Noccaea caerulescens</i> (Brassicaceae). <i>Metallomics</i> , 2021, 13, .	1.0	3
269	Acid deposition critical loads modeling for the simulation of sulfur exceedance and reduction in Guangdong, China. <i>Journal of Environmental Sciences</i> , 2009, 21, 1108-1117.	3.2	2
270	Bioremediation of Contaminated Soil and Water. <i>Pedosphere</i> , 2012, 22, 425.	2.1	2

#	ARTICLE	IF	CITATIONS
271	Molecule co-fracture of organics in waste solar cells under different heating rates and the products analysis. <i>Solar Energy Materials and Solar Cells</i> , 2020, 214, 110573.	3.0	2
272	Colloidal stabilities and deposition behaviors of chromium (hydr)oxides in the presence of dissolved organic matters: role of coprecipitation and adsorption. <i>Environmental Science: Nano</i> , 0, , .	2.2	2
273	Phytoremediation of Heavy Metal-Contaminated Soil in Southern China. , 2018, , 375-387.		1
274	Potential impact of hydrodynamic shear force in aquifer thermal energy storage on dissolved organic matter release: A vigorous shaking batch study. <i>Science of the Total Environment</i> , 2019, 677, 263-271.	3.9	1
275	Characterization of Neodymium Speciation in the Presence of Fulvic Acid by Ion Exchange Technique and Single Particle ICP-MS. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, , 1.	1.3	1
276	Removal pathway quantification and co-metabolic mechanism evaluation of alkylphenols from synthetic wastewater by phenolic root exudates in the rhizosphere of <i>Phragmites australis</i> . <i>Journal of Hazardous Materials</i> , 2022, 424, 127269.	6.5	1
277	Visible Light Induced Photocatalytic Degradation of Rhodamine B in the Presence of Cr(VI). <i>Applied Mechanics and Materials</i> , 0, 295-298, 1434-1437.	0.2	0
278	Visible Light Induced Photocatalytic Degradation of Br-Trihalomethanes over Polymer-Modified TiO ₂ . <i>Advanced Materials Research</i> , 2013, 726-731, 2372-2375.	0.3	0
279	Comparison of the Performance with Different Plasma Fluidized Beds. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 123-138.	0.0	0
280	Heat Transfer and Mass Transfer in the Plasma Fluidized Bed. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 71-79.	0.0	0
281	Thermal Plasma Fluidized Bed. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 11-27.	0.0	0
282	Non-thermal Plasma Fluidized Bed. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 29-35.	0.0	0
283	Discharge Characteristic in the Plasma Fluidized Bed. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 51-55.	0.0	0
284	Hydrodynamics of Plasma Fluidized Bed. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 57-69.	0.0	0
285	Influencing Factors on Understanding Plasma Fluidized Bed. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 37-49.	0.0	0
286	Applicative Ability and Environmental Risk. <i>Advanced Topics in Science and Technology in China</i> , 2018, , 139-143.	0.0	0
287	Stable isotope fractionation of zinc and cadmium in soil-plant system: A review. <i>Chinese Science Bulletin</i> , 2018, 63, 2944-2953.	0.4	0
288	Insights into the surface chemistry of BioSeNPs produced by <i>Bacillus licheniformis</i> . , 2019, , 219-220.		0

#	ARTICLE	IF	CITATIONS
289	Heavy metal immobilization by chemical amendments in polluted soils and influence on jute growth. WIT Transactions on Engineering Sciences, 2014, , .	0.0	0
290	The acid dissolution characteristics of cadmium fixed by a novel Ca-Fe-Si composite material. Journal of Environmental Sciences, 2023, 127, 328-335.	3.2	0