Rong-Liang Qiu

List of Publications by Year
in descending order

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		15504	29157
290	14,293	65	104
papers	citations	h-index	g-index

297	297	297	13697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The acid dissolution characteristics of cadmium fixed by a novel Ca-Fe-Si composite material. Journal of Environmental Sciences, 2023, 127, 328-335.	6.1	0
2	Responses of ramie (Boehmeria nivea L.) to increasing rare earth element (REE) concentrations in a hydroponic system. Journal of Rare Earths, 2022, 40, 840-846.	4.8	9
3	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. Environmental Microbiology, 2022, 24, 919-937.	3.8	18
4	Removal pathway quantification and co-metabolic mechanism evaluation of alkylphenols from synthetic wastewater by phenolic root exudates in the rhizosphere of Phragmites australis. Journal of Hazardous Materials, 2022, 424, 127269.	12.4	1
5	Novel phytase PvPHY1 from the As-hyperaccumulator Pteris vittata enhances P uptake and phytate hydrolysis, and inhibits As translocation in Plant. Journal of Hazardous Materials, 2022, 423, 127106.	12.4	8
6	Chromium biogeochemical behaviour in soil-plant systems and remediation strategies: A critical review. Journal of Hazardous Materials, 2022, 424, 127233.	12.4	95
7	The limited exclusion and efficient translocation mediated by organic acids contribute to rare earth element hyperaccumulation in Phytolacca americana. Science of the Total Environment, 2022, 805, 150335.	8.0	17
8	Green synthesis of manganeseâ€“cobaltâ€“tungsten composite oxides for degradation of doxycycline via efficient activation of peroxymonosulfate. Journal of Hazardous Materials, 2022, 426, 127803.	12.4	28
9	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 (Boehmeria nivea L.). Science of the Total Environment, 2022, 809, 152075.	8.0	12
10	Enrichment and speciation of chromium during basalt weathering: Insights from variably weathered profiles in the Leizhou Peninsula, South China. Science of the Total Environment, 2022, 822, 153304.	8.0	20
11	The impact of termites on soil sheeting properties is better explained by environmental factors than by their feeding and building strategies. Geoderma, 2022, 412, 115706.	5.1	7
12	Interactions between soil protists and pollutants: An unsolved puzzle. Journal of Hazardous Materials, 2022, 429, 128297.	12.4	21
13	H3PO4 activation mediated the iron phase transformation and enhanced the removal of bisphenol A on iron carbide-loaded activated biochar. Environmental Pollution, 2022, 300, 118965.	7.5	12
14	High Fe utilization efficiency and low toxicity of Fe3C@Fe0 loaded biochar for removing of tetracycline hydrochloride in wastewater. Journal of Cleaner Production, 2022, 353, 131630.	9.3	18
15	Organic carbon and eukaryotic predation synergistically change resistance and resilience of aquatic microbial communities. Science of the Total Environment, 2022, 830, 154386.	8.0	7
16	Biogeochemical dynamics of nutrients and rare earth elements (REEs) during natural succession from biocrusts to pioneer plants in REE mine tailings in southern China. Science of the Total Environment, 2022, 828, 154361.	8.0	17
17	Natural source of Cr(VI) in soil: The anoxic oxidation of Cr(III) by Mn oxides. Journal of Hazardous Materials, 2022, 433, 128805.	12.4	33
18	Efficient purification of tetracycline wastewater by activated persulfate with heterogeneous Co-V bimetallic oxides. Journal of Colloid and Interface Science, 2022, 619, 188-197.	9.4	18

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19	Adsorption of Cadmium by Brassica juncea (L.) Czern. and Brassica pekinensis (Lour.) Rupr in Pot Experiment. Sustainability, 2022, 14, 429.	3.2	7
20	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. Journal of Hazardous Materials, 2022, 435, 128959.	12.4	12
21	Inoculation of Prickly Pear Litter with Microbial Agents Promotes the Efficiency in Aerobic Composting. Sustainability, 2022, 14, 4824.	3.2	4
22	Highly dispersed Ag and g-C3N4 quantum dots co-decorated 3D hierarchical Fe3O4 hollow microspheres for solar-light-driven pharmaceutical pollutants degradation in natural water matrix. Journal of Hazardous Materials, 2022, 434, 128905.	12.4	19
23	Visualizing and assessing the size-dependent oral uptake, tissue distribution, and detrimental effect of polystyrene microplastics in Eisenia fetida. Environmental Pollution, 2022, 306, 119436.	7.5	11
24	Significance of Non-DLVO Interactions on the Co-Transport of Functionalized Multiwalled Carbon Nanotubes and Soil Nanoparticles in Porous Media. Environmental Science & Technology, 2022, 56, 10668-10680.	10.0	10
25	Aqueous aggregation and deposition kinetics of fresh and carboxyl-modified nanoplastics in the presence of divalent heavy metals. Water Research, 2022, 222, 118877.	11.3	15
26	Quantitative analysis on the redox conversion mechanism of Cr(VI) and As(III) by iron carbide based biochar composites. Chemical Engineering Journal, 2022, 446, 137417.	12.7	16
27	Chlortetracycline hydrochloride removal by different biochar/Fe composites: A comparative study. Journal of Hazardous Materials, 2021, 403, 123889.	12.4	28
28	Energy models and the process of fluid-magnetic separation for recovering cobalt micro-particles from vacuum reduction products of spent lithium ion batteries. Journal of Cleaner Production, 2021, 279, 123230.	9.3	16
29	Dynamic release and transformation of metallic copper colloids in flooded paddy soil: Role of soil reducible sulfate and temperature. Journal of Hazardous Materials, 2021, 402, 123462.	12.4	8
30	Microscopic mechanism about the selective adsorption of Cr(VI) from salt solution on O-rich and N-rich biochars. Journal of Hazardous Materials, 2021, 404, 124162.	12.4	63
31	Recovery nano-flake (100Ânm thickness) of zero-valent manganese from spent lithium-ion batteries. Journal of Cleaner Production, 2021, 278, 123867.	9.3	11
32	Biological aqua crust mitigates metal(loid) pollution and the underlying immobilization mechanisms. Water Research, 2021, 190, 116736.	11.3	17
33	Transformation behaviors and environmental risk assessment of heavy metals during resource recovery from Sedum plumbizincicola via hydrothermal liquefaction. Journal of Hazardous Materials, 2021, 410, 124588.	12.4	26
34	Enhanced adsorption of tetracycline by an iron and manganese oxides loaded biochar: Kinetics, mechanism and column adsorption. Bioresource Technology, 2021, 320, 124264.	9.6	147
35	A novel technology of recovering magnetic micro particles from spent lithium-ion batteries by ultrasonic dispersion and waterflow-magnetic separation. Resources, Conservation and Recycling, 2021, 164, 105172.	10.8	22
36	Variation in rare earth element (REE), aluminium (Al) and silicon (Si) accumulation among populations of the hyperaccumulator Dicranopteris linearis in southern China. Plant and Soil, 2021, 461, 565-578.	3.7	18

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37	Rare earth elements, aluminium and silicon distribution in the fernDicranopteris linearisrevealed by Î¼PIXE Maia analysis. Annals of Botany, 2021, 128, 17-30.	2.9	12
38	Quantification of nickel and cobalt mobility and accumulation via the phloem in the hyperaccumulator Noccaea caerulescens (Brassicaceae). Metallomics, 2021, 13, .	2.4	3
39	Effects of zinc oxide nanoparticles on antioxidants, chlorophyll contents, and proline in Persicaria hydropiper L. and its potential for Pb phytoremediation. Environmental Science and Pollution Research, 2021, 28, 34697-34713.	5.3	31
40	Industrial Ramie Growing on Reclaimed Ion-Adsorption Rare Earth Elements Mine Tailings in Southern China: Defibration and Fibers Quality. Waste and Biomass Valorization, 2021, 12, 6255-6260.	3.4	5
41	Non-monotonic contribution of nonionic surfactant on the retention of functionalized multi-walled carbon nanotubes in porous media. Journal of Hazardous Materials, 2021, 407, 124874.	12.4	6
42	In situ N-doped carbon-coated mulberry-like cobalt manganese oxide boosting for visible light driving photocatalytic degradation of pharmaceutical pollutants. Chemical Engineering Journal, 2021, 411, 128497.	12.7	50
43	Phenomic and metabolomic responses of roots to cadmium reveal contrasting resistance strategies in two rice cultivars (Oryza sativa L.). Soil Ecology Letters, 2021, 3, 220-229.	4.5	16
44	Coupling experiments with calculations to understand the thermodynamics evolution for the sorption of zwitterionic ciprofloxacin on oxidizing-aged pyrogenic chars in the aquatic system. Journal of Hazardous Materials, 2021, 411, 125101.	12.4	4
45	Comparative analysis of sRNAs, degradome and transcriptomics in sweet sorghum reveals the regulatory roles of miRNAs in Cd accumulation and tolerance. Planta, 2021, 254, 16.	3.2	6
46	Transport and Retention of Free-Living Amoeba Spores in Porous Media: Effects of Operational Parameters and Extracellular Polymeric Substances. Environmental Science & Technology, 2021, 55, 8709-8720.	10.0	14
47	Mediation effects of different sulfur forms on solubility, uptake and accumulation of Cd in soil-paddy rice system induced by organic carbon and liming. Environmental Pollution, 2021, 279, 116862.	7.5	16
48	Substrate-dependent competition and cooperation relationships between Geobacter and Dehalococcoides for their organohalide respiration. ISME Communications, 2021, 1, .	4.2	27
49	Waste activated sludge stimulates in situ microbial reductive dehalogenation of organohalide-contaminated soil. Journal of Hazardous Materials, 2021, 411, 125189.	12.4	27
50	A new method for recovering rare earth elements from the hyperaccumulating fern Dicranopteris linearis from China. Minerals Engineering, 2021, 166, 106879.	4.3	14
51	Co-transport and retention of zwitterionic ciprofloxacin with nano-biochar in saturated porous media: Impact of oxidized aging. Science of the Total Environment, 2021, 779, 146417.	8.0	18
52	Selective Leaching of Rare Earth Elements from Ion-Adsorption Rare Earth Tailings: A Synergy between CeO₂ Reduction and Fe/Mn Stabilization. Environmental Science & Technology, 2021, 55, 11328-11337.	10.0	22
53	Kinetics, pathways and toxicity of hexabromocyclododecane biodegradation: Isolation of the novel bacterium Citrobacter sp. Y3. Chemosphere, 2021, 274, 129929.	8.2	10
54	Genome- and community-level interaction insights into the ecological role of archaea in rare earth element mine drainage in South China. Water Research, 2021, 201, 117331.	11.3	18

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55	Characterization of Neodymium Speciation in the Presence of Fulvic Acid by Ion Exchange Technique and Single Particle ICP-MS. Bulletin of Environmental Contamination and Toxicology, 2021, , 1.	2.7	1
56	Pathways to a more efficient and cleaner energy system in Guangdong-Hong Kong-Macao Greater Bay Area: A system-based simulation during 2015-2035. Resources, Conservation and Recycling, 2021, 174, 105835.	10.8	13
57	Simultaneous hyperaccumulation of rare earth elements, manganese and aluminum in Phytolacca americana in response to soil properties. Chemosphere, 2021, 282, 131096.	8.2	30
58	Experimental and DFT investigation on N-functionalized biochars for enhanced removal of Cr(VI). Environmental Pollution, 2021, 291, 118244.	7.5	15
59	Cable bacteria extend the impacts of elevated dissolved oxygen into anoxic sediments. ISME Journal, 2021, 15, 1551-1563.	9.8	41
60	Element Case Studies: Rare Earth Elements. Mineral Resource Reviews, 2021, , 471-483.	1.5	12
61	Plant-Soil Feedbacks for the Restoration of Degraded Mine Lands: A Review. Frontiers in Microbiology, 2021, 12, 751794.	3.5	17
62	Accelerated biodegradation of p-tert-butylphenol in the Phragmites australis rhizosphere by phenolic root exudates. Environmental and Experimental Botany, 2020, 169, 103891.	4.2	11
63	Effects of cadmium-resistant plant growth-promoting rhizobacteria and Funneliformis mosseae on the cadmium tolerance of tomato (Lycopersicon esculentum L.). International Journal of Phytoremediation, 2020, 22, 451-458.	3.1	27
64	Recovering full metallic resources from waste printed circuit boards: A refined review. Journal of Cleaner Production, 2020, 244, 118690.	9.3	117
65	Newly deposited atmospheric mercury in a simulated rice ecosystem in an active mercury mining region: High loading, accumulation, and availability. Chemosphere, 2020, 238, 124630.	8.2	21
66	Co-pyrolysis of sewage sludge and hydrochar with coals: Pyrolytic behaviors and kinetics analysis using TG-FTIR and a discrete distributed activation energy model. Energy Conversion and Management, 2020, 203, 112226.	9.2	43
67	Gallic acid accelerated BDE47 degradation in PMS/Fe(III) system: Oxidation intermediates autocatalyzed redox cycling of iron. Chemical Engineering Journal, 2020, 384, 123248.	12.7	64
68	Facile synthesis of Z-scheme composite of TiO2 nanorod/g-C3N4 nanosheet efficient for photocatalytic degradation of ciprofloxacin. Journal of Cleaner Production, 2020, 253, 120055.	9.3	180
69	Model-based rationalization of mixture toxicity and accumulation in Triticum aestivum upon concurrent exposure to yttrium, lanthanum, and cerium. Journal of Hazardous Materials, 2020, 389, 121940.	12.4	6
70	Inhibitory effects of metal ions on reductive dechlorination of polychlorinated biphenyls and perchloroethene in distinct organohalide-respiring bacteria. Environment International, 2020, 135, 105373.	10.0	31
71	High trans-placental transfer of perfluoroalkyl substances alternatives in the matched maternal-cord blood serum: Evidence from a birth cohort study. Science of the Total Environment, 2020, 705, 135885.	8.0	74
72	Debromination and Decomposition Mechanisms of Phenolic Resin Molecules in Ball Milling with Nano-Zerovalent Iron. ACS Sustainable Chemistry and Engineering, 2020, 8, 172-178.	6.7	22

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73	Ecological influences of the migration of micro resin particles from crushed waste printed circuit boards on the dumping soil. Journal of Hazardous Materials, 2020, 386, 121020.	12.4	14
74	Waste shrimp shell-derived hydrochar as an emergent material for methyl orange removal in aqueous solutions. Environment International, 2020, 134, 105340.	10.0	69
75	Coupling adsorption-photocatalytic reduction of Cr(VI) by metal-free N-doped carbon. Science of the Total Environment, 2020, 704, 135284.	8.0	49
76	Singlet oxygen mediated the selective removal of oxytetracycline in C/Fe3C/Fe0 system as compared to chloramphenicol. Environment International, 2020, 143, 105899.	10.0	34
77	Comparative Life-Cycle Assessment of Aquifer Thermal Energy Storage Integrated with in Situ Bioremediation of Chlorinated Volatile Organic Compounds. Environmental Science & Technology, 2020, 54, 3039-3049.	10.0	20
78	Reclamation with organic amendments and plants remodels the diversity and structure of bacterial community in ion-adsorption rare earth element mine tailings. Journal of Soils and Sediments, 2020, 20, 3669-3680.	3.0	14
79	Sludge pre-treatments change performance and microbiome in methanogenic sludge digesters by releasing different sludge organic matter. Bioresource Technology, 2020, 316, 123909.	9.6	11
80	Phytoextraction of rare earth elements from ion-adsorption mine tailings by Phytolacca americana: Effects of organic material and biochar amendment. Journal of Cleaner Production, 2020, 275, 122959.	9.3	32
81	Molecule co-fracture of organics in waste solar cells under different heating rates and the products analysis. Solar Energy Materials and Solar Cells, 2020, 214, 110573.	6.2	2
82	The influence on biosorption potentials of metal-resistant bacteria Enterobacter sp. EG16 and Bacillus subtilis DBM by typical red soil minerals. Journal of Soils and Sediments, 2020, 20, 3217-3229.	3.0	7
83	3D hierarchical H2-reduced Mn-doped CeO2 microflowers assembled from nanotubes as a high-performance Fenton-like photocatalyst for tetracycline antibiotics degradation. Applied Catalysis B: Environmental, 2020, 277, 119171.	20.2	260
84	Factors influencing heavy metal availability and risk assessment of soils at typical metal mines in Eastern China. Journal of Hazardous Materials, 2020, 400, 123289.	12.4	176
85	Phytostabilization of Cd and Pb in Highly Polluted Farmland Soils Using Ramie and Amendments. International Journal of Environmental Research and Public Health, 2020, 17, 1661.	2.6	34
86	Mobility of metal(loid)s in Pb/Zn tailings under different revegetation strategies. Journal of Environmental Management, 2020, 263, 110323.	7.8	17
87	A novel approach of accurately rationing adsorbent for capturing pollutants via chemistry calculation: Rationing the mass of CaCO3 to capture Br-containing substances in the pyrolysis of nonmetallic particles of waste printed circuit boards. Journal of Hazardous Materials, 2020, 393, 122410.	12.4	25
88	Robust Matrix Effect-Free Method for Simultaneous Determination of Legacy and Emerging Per- and Polyfluoroalkyl Substances in Crop and Soil Matrices. Journal of Agricultural and Food Chemistry, 2020, 68, 8026-8039.	5.2	11
89	Do toxicokinetic and toxicodynamic processes hold the same for light and heavy rare earth elements in terrestrial organism Enchytraeus crypticus?. Environmental Pollution, 2020, 262, 114234.	7.5	16
90	The shuttling effects and associated mechanisms of different types of iron oxide nanoparticles for Cu(II) reduction by Geobacter sulfurreducens. Journal of Hazardous Materials, 2020, 393, 122390.	12.4	13

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91	Enhanced removal of aqueous Cd(II) by a biochar derived from salt-sealing pyrolysis coupled with NaOH treatment. Applied Surface Science, 2020, 511, 145619.	6.1	42
92	Elucidating Toxicodynamic Differences at the Molecular Scale between ZnO Nanoparticles and ZnCl₂ in Enchytraeus crypticus via Nontargeted Metabolomics. Environmental Science & Technology, 2020, 54, 3487-3498.	10.0	43
93	Recovery of the biological function of ethylenediaminetetraacetic acid-washed soils: Roles of environmental variations and microbes. Science of the Total Environment, 2020, 715, 137032.	8.0	16
94	Spatially Resolved Localization of Lanthanum and Cerium in the Rare Earth Element Hyperaccumulator Fern Dicranopteris linearis from China. Environmental Science & Technology, 2020, 54, 2287-2294.	10.0	31
95	Preparing cedrene from ethylene-vinyl acetate copolymer and polyethylene terephthalate of waste solar cells. Journal of Cleaner Production, 2020, 254, 120065.	9.3	8
96	Effects of Zn in sludge-derived biochar on Cd immobilization and biological uptake by lettuce. Science of the Total Environment, 2020, 714, 136721.	8.0	19
97	Mechanisms of Pb and/or Zn adsorption by different biochars: Biochar characteristics, stability, and binding energies. Science of the Total Environment, 2020, 717, 136894.	8.0	121
98	Interaction of Mn and Cd during their uptake in Celosia argentea differs between hydroponic and soil systems. Plant and Soil, 2020, 450, 323-336.	3.7	21
99	Accumulation and associated phytotoxicity of novel chlorinated polyfluorinated ether sulfonate in wheat seedlings. Chemosphere, 2020, 249, 126447.	8.2	38
100	Cadmium stable isotope variation in a mountain area impacted by acid mine drainage. Science of the Total Environment, 2019, 646, 696-703.	8.0	56
101	Ecological Risk Assessment of Neodymium and Yttrium on Rare Earth Element Mine Sites in Ganzhou, China. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 565-570.	2.7	21
102	Phytotoxicity and oxidative effects of typical quaternary ammonium compounds on wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.3	23
103	Synergistic effect of hydrothermal co-carbonization of sewage sludge with fruit and agricultural wastes on hydrochar fuel quality and combustion behavior. Waste Management, 2019, 100, 171-181.	7.4	107
104	Controls on rare-earth element transport in a river impacted by ion-adsorption rare-earth mining. Science of the Total Environment, 2019, 660, 697-704.	8.0	26
105	Phytoremediation of Lead and Chromium Contaminated Soil Improves with the Endogenous Phenolics and Proline Production in Parthenium, Cannabis, Euphorbia, and Rumex Species. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	56
106	Heat evolution and energy analysis of cyanide bioproduction by a cyanogenic microorganism with the potential for bioleaching of precious metals. Journal of Hazardous Materials, 2019, 377, 284-289.	12.4	35
107	Enhanced removal of Cr(VI) in the Fe(III)/natural polyphenols system: role of the in situ generated Fe(II). Journal of Hazardous Materials, 2019, 377, 321-329.	12.4	49
108	Directional concentration of bromine from nonmetallic particles of crushed waste printed circuit boards by vacuum-gasification-condensation. Journal of Cleaner Production, 2019, 231, 462-467.	9.3	24

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109	A cleaner and energy-saving technology of vacuum step-by-step reduction for recovering cobalt and nickel from spent lithium-ion batteries. Journal of Cleaner Production, 2019, 229, 1148-1157.	9.3	77
110	Could the rhizoplane biofilm of wetland plants lead to rhizospheric heavy metal precipitation and iron-sulfur cycle termination?. Journal of Soils and Sediments, 2019, 19, 3760-3772.	3.0	11
111	Potential impact of hydrodynamic shear force in aquifer thermal energy storage on dissolved organic matter releasement: A vigorous shaking batch study. Science of the Total Environment, 2019, 677, 263-271.	8.0	1
112	Vacuum pyrolysis method for reclamation of rare earth elements fromÂhyperaccumulator Dicranopteris dichotoma grown in contaminated soil. Journal of Cleaner Production, 2019, 229, 480-488.	9.3	30
113	Simultaneous attenuation of phytoaccumulation of Cd and As in soil treated with inorganic and organic amendments. Environmental Pollution, 2019, 250, 464-474.	7.5	36
114	Pyrolytic behavior and kinetic of wood sawdust at isothermal and non-isothermal conditions. Renewable Energy, 2019, 142, 284-294.	8.9	27
115	Effects of light irradiation on the complexes of cadmium and humic acids: The role of thiol groups. Chemosphere, 2019, 225, 174-181.	8.2	11
116	Two years of aging influences the distribution and lability of metal(loid)s in a contaminated soil amended with different biochars. Science of the Total Environment, 2019, 673, 245-253.	8.0	57
117	A resource-utilization way of the waste printed circuit boards to prepare silicon carbide nanoparticles and their photocatalytic application. Journal of Hazardous Materials, 2019, 373, 640-648.	12.4	26
118	Co-deposition of silicon with rare earth elements (REEs) and aluminium in the fern Dicranopteris linearis from China. Plant and Soil, 2019, 437, 427-437.	3.7	26
119	Controllable synthesis of mesoporous manganese oxide microsphere efficient for photo-Fenton-like removal of fluoroquinolone antibiotics. Applied Catalysis B: Environmental, 2019, 248, 298-308.	20.2	163
120	Single Ag atom engineered 3D-MnO2 porous hollow microspheres for rapid photothermocatalytic inactivation of E. coli under solar light. Applied Catalysis B: Environmental, 2019, 245, 177-189.	20.2	134
121	An ultrasensitive homogeneous aptasensor for carcinoembryonic antigen based on upconversion fluorescence resonance energy transfer. Talanta, 2019, 195, 33-39.	5.5	49
122	Heavy metals in human urine, foods and drinking water from an e-waste dismantling area: Identification of exposure sources and metal-induced health risk. Ecotoxicology and Environmental Safety, 2019, 169, 707-713.	6.0	82
123	Effects of the interactions between nickel and other trace metals on their accumulation in the hyperaccumulator Noccaea caerulescens. Environmental and Experimental Botany, 2019, 158, 73-79.	4.2	21
124	Different dynamic accumulation and toxicity of ZnO nanoparticles and ionic Zn in the soil sentinel organism Enchytraeus crypticus. Environmental Pollution, 2019, 245, 510-518.	7.5	24
125	Water, sediment and agricultural soil contamination from an ion-adsorption rare earth mining area. Chemosphere, 2019, 216, 75-83.	8.2	114
126	The effect of interaction between Bacillus subtilis DBM and soil minerals on Cu(II) and Pb(II) adsorption. Journal of Environmental Sciences, 2019, 78, 328-337.	6.1	25

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127	Insights into the surface chemistry of BioSeNPs produced by Bacillus lichenformis. , 2019, , 219-220.		0
128	Electron transport chains in organohalide-respiring bacteria and bioremediation implications. Biotechnology Advances, 2018, 36, 1194-1206.	11.7	108
129	A new model for simulating microbial cyanide production and optimizing the medium parameters for recovering precious metals from waste printed circuit boards. Journal of Hazardous Materials, 2018, 353, 135-141.	12.4	60
130	Wet torrefaction of biomass for high quality solid fuel production: A review. Renewable and Sustainable Energy Reviews, 2018, 91, 259-271.	16.4	163
131	Continuous leaching modifies the surface properties and metal(loid) sorption of sludge-derived biochar. Science of the Total Environment, 2018, 625, 731-737.	8.0	31
132	Characterization of the Materials in Waste Power Banks and the Green Recovery Process. ACS Sustainable Chemistry and Engineering, 2018, 6, 3815-3822.	6.7	36
133	Occurrence and fate of colloids and colloid-associated metals in a mining-impacted agricultural soil upon prolonged flooding. Journal of Hazardous Materials, 2018, 348, 56-66.	12.4	58
134	Phytoremediation of Heavy Metal-Contaminated Soil in Southern China. , 2018, , 375-387.		1
135	Nickel hyperaccumulation mechanisms: a review on the current state of knowledge. Plant and Soil, 2018, 423, 1-11.	3.7	67
136	Accumulation and fractionation of rare earth elements (REEs) in the naturally grown Phytolacca americana L. in southern China. International Journal of Phytoremediation, 2018, 20, 415-423.	3.1	59
137	Ecosystem services provided by heavy metal-contaminated soils in China. Journal of Soils and Sediments, 2018, 18, 380-390.	3.0	19
138	Effect of low-molecular-weight organic acids on hematite dissolution promoted by desferrioxamine B. Environmental Science and Pollution Research, 2018, 25, 163-173.	5.3	10
139	A novel pneumatic separator for separating diode and CD capacitance of waste printed circuit boards. Energy, 2018, 142, 191-195.	8.8	5
140	Element Case Studies: Rare Earth Elements. Mineral Resource Reviews, 2018, , 297-308.	1.5	26
141	Encapsulating nanoscale zero-valent iron with a soluble Mg(OH)₂ shell for improved mobility and controlled reactivity release. Journal of Materials Chemistry A, 2018, 6, 2517-2526.	10.3	35
142	Variation of the Bacterial Community in the Rhizoplane Iron Plaque of the Wetland Plant Typha latifolia. International Journal of Environmental Research and Public Health, 2018, 15, 2610.	2.6	8
143	Hyperaccumulator Plants from China: A Synthesis of the Current State of Knowledge. Environmental Science & Technology, 2018, 52, 11980-11994.	10.0	180
144	Elements in the Crystals Determine the Distribution of Bromine in Nonmetallic Particles of Crushed Waste Printed Circuit Boards. ACS Sustainable Chemistry and Engineering, 2018, 6, 13650-13655.	6.7	18

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145	Scientific and Industrial Application of Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , 81-121.	0.1	3
146	Comparison of the Performance with Different Plasma Fluidized Beds. Advanced Topics in Science and Technology in China, 2018, , 123-138.	0.1	0
147	Recovery of rare earth elements from Dicranopteris dichotoma by an enhanced ion exchange leaching process. Chemical Engineering and Processing: Process Intensification, 2018, 130, 208-213.	3.6	71
148	Heat Transfer and Mass Transfer in the Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , 71-79.	0.1	0
149	Adsorption-reduction removal of Cr(VI) by tobacco petiole pyrolytic biochar: Batch experiment, kinetic and mechanism studies. Bioresource Technology, 2018, 268, 149-157.	9.6	152
150	Two-stage multi-fraction first-order kinetic modeling for soil Cd extraction by EDTA. Chemosphere, 2018, 211, 1035-1042.	8.2	11
151	Structural development and assembly patterns of the root-associated microbiomes during phytoremediation. Science of the Total Environment, 2018, 644, 1591-1601.	8.0	60
152	Contact Behavior between Cells and Particles in Bioleaching of Precious Metals from Waste Printed Circuit Boards. ACS Sustainable Chemistry and Engineering, 2018, 6, 11570-11577.	6.7	31
153	Potential of Cassia alata L. Coupled with Biochar for Heavy Metal Stabilization in Multi-Metal Mine Tailings. International Journal of Environmental Research and Public Health, 2018, 15, 494.	2.6	28
154	Thermal Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , 11-27.	0.1	0
155	Non-thermal Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , 29-35.	0.1	0
156	Discharge Characteristic in the Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , 51-55.	0.1	0
157	Hydrodynamics of Plasma Fluidized Bed. Advanced Topics in Science and Technology in China, 2018, , 57-69.	0.1	0
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