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	Relative distribution of Pb2+ sorption mechanisms by sludge-derived biochar. Water Research, 2012, 46, 854-862.	11.3	886
2	Characterization of sewage sludge-derived biochars from different feedstocks and pyrolysis temperatures. Journal of Analytical and Applied Pyrolysis, 2013, 102, 137-143.	5.5	300
3	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
4	Mitigation effects of silicon rich amendments on heavy metal accumulation in rice (Oryza sativa L.) planted on multi-metal contaminated acidic soil. Chemosphere, 2011, 83, 1234-1240.	8.2	256
5	Agromining: Farming for Metals in the Future?. Environmental Science & Technology, 2015, 49, 4773-4780.	10.0	243
6	Photocatalytic activity of polymer-modified ZnO under visible light irradiation. Journal of Hazardous Materials, 2008, 156, 80-85.	12.4	208
7	The study of operating variables in soil washing with EDTA. Environmental Pollution, 2009, 157, 229-236.	7.5	194
8	Lead, zinc, cadmium hyperaccumulation and growth stimulation in Arabis paniculata Franch. Environmental and Experimental Botany, 2009, 66, 126-134.	4.2	184
9	Influence of EDTA washing on the species and mobility of heavy metals residual in soils. Journal of Hazardous Materials, 2010, 173, 369-376.	12.4	181
10	Hyperaccumulator Plants from China: A Synthesis of the Current State of Knowledge. Environmental Science & Technology, 2018, 52, 11980-11994.	10.0	180
11	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
12	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
13	Simultaneous photocatalytic reduction of Cr(VI) and oxidation of phenol over monoclinic BiVO4 under visible light irradiation. Chemosphere, 2006, 63, 956-963.	8.2	175
14	Pb(II) and Cr(VI) sorption by biochars pyrolyzed from the municipal wastewater sludge under different heating conditions. Bioresource Technology, 2013, 147, 545-552.	9.6	175
15	Structure, Variation, and Co-occurrence of Soil Microbial Communities in Abandoned Sites of a Rare Earth Elements Mine. Environmental Science & Technology, 2016, 50, 11481-11490.	10.0	163
16	Wet torrefaction of biomass for high quality solid fuel production: A review. Renewable and Sustainable Energy Reviews, 2018, 91, 259-271.	16.4	163
17	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
18	Photocatalytic reduction of CO2 to hydrocarbons using AgBr/TiO2 nanocomposites under visible light. Catalysis Today, 2011, 175, 256-263.	4.4	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. Environmental Science & Technology, 2016, 50, 4045-4053.	10.0	157
20	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
21	OsARM1, an R2R3 MYB Transcription Factor, Is Involved in Regulation of the Response to Arsenic Stress in Rice. Frontiers in Plant Science, 2017, 8, 1868.	3.6	150
22	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
23	Non-thermal plasma technology for organic contaminated soil remediation: A review. Chemical Engineering Journal, 2017, 313, 157-170.	12.7	140
24	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
25	Cadmium tolerance of carbon assimilation enzymes and chloroplast in Zn/Cd hyperaccumulator Picris divaricata. Journal of Plant Physiology, 2010, 167, 81-87.	3.5	132
26	Root Iron Plaque on Wetland Plants as a Dynamic Pool of Nutrients and Contaminants. Advances in Agronomy, 2016, 138, 1-96.	5.2	126
27	Antioxidative response to Cd in a newly discovered cadmium hyperaccumulator, Arabis paniculata F.. Chemosphere, 2008, 74, 6-12.	8.2	123
28	Effect of E-waste Recycling on Urinary Metabolites of Organophosphate Flame Retardants and Plasticizers and Their Association with Oxidative Stress. Environmental Science & Technology, 2017, 51, 2427-2437.	10.0	122
29	Role of oxygen active species in the photocatalytic degradation of phenol using polymer sensitized TiO2 under visible light irradiation. Journal of Hazardous Materials, 2009, 163, 843-847.	12.4	121
30	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
31	Phytostabilization Potential of<i>Jatropha Curcas</i>L. in Polymetallic Acid Mine Tailings. International Journal of Phytoremediation, 2011, 13, 788-804.	3.1	117
32	Recovering full metallic resources from waste printed circuit boards: A refined review. Journal of Cleaner Production, 2020, 244, 118690.	9.3	117
33	Photodegradation of phenol in a polymer-modified TiO2 semiconductor particulate system under the irradiation of visible light. Catalysis Communications, 2007, 8, 429-433.	3.3	116
34	Associations between polycyclic aromatic hydrocarbon (PAH) exposure and oxidative stress in people living near e-waste recycling facilities in China. Environment International, 2016, 94, 161-169.	10.0	116
35	Stabilization of cationic and anionic metal species in contaminated soils using sludge-derived biochar. Chemosphere, 2016, 149, 263-271.	8.2	116
36	Water, sediment and agricultural soil contamination from an ion-adsorption rare earth mining area. Chemosphere, 2019, 216, 75-83.	8.2	114

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37	Tolerance, accumulation and distribution of zinc and cadmium in hyperaccumulator Potentilla griffithii. Environmental and Experimental Botany, 2009, 66, 317-325.	4.2	111
38	Water eutrophication in China and the combating strategies. Journal of Chemical Technology and Biotechnology, 2007, 82, 781-786.	3.2	109
39	Electron transport chains in organohalide-respiring bacteria and bioremediation implications. Biotechnology Advances, 2018, 36, 1194-1206.	11.7	108
40	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
41	Biosorption mechanisms involved in immobilization of soil Pb by Bacillus subtilis DBM in a multi-metal-contaminated soil. Journal of Environmental Sciences, 2014, 26, 2056-2064.	6.1	105
42	Cadmium accumulation in and tolerance of rice (Oryza sativa L.) varieties with different rates of radial oxygen loss. Environmental Pollution, 2011, 159, 1730-1736.	7.5	104
43	Survival Strategies of the Plant-Associated Bacterium Enterobacter sp. Strain EG16 under Cadmium Stress. Applied and Environmental Microbiology, 2016, 82, 1734-1744.	3.1	101
44	Visible light induced photocatalytic reduction of Cr(VI) over polymer-sensitized TiO2 and its synergism with phenol oxidation. Water Research, 2012, 46, 2299-2306.	11.3	100
45	Nickel and Zinc Isotope Fractionation in Hyperaccumulating and Nonaccumulating Plants. Environmental Science & Technology, 2014, 48, 11926-11933.	10.0	100
46	Silicon-mediated amelioration of zinc toxicity in rice (Oryza sativa L.) seedlings. Plant and Soil, 2012, 350, 193-204.	3.7	98
47	Designing Cropping Systems for Metal-Contaminated Sites: A Review. Pedosphere, 2012, 22, 470-488.	4.0	97
48	The effects of radial oxygen loss on arsenic tolerance and uptake in rice and on its rhizosphere. Environmental Pollution, 2012, 165, 109-117.	7.5	95
49	Chromium biogeochemical behaviour in soil-plant systems and remediation strategies: A critical review. Journal of Hazardous Materials, 2022, 424, 127233.	12.4	95
50	Enhanced adsorption and photocatalytic activity of BiOIâ€“MWCNT composites towards organic pollutants in aqueous solution. Journal of Hazardous Materials, 2012, 229-230, 72-82.	12.4	90
51	Effective removal of coordinated copper from wastewater using a new dithiocarbamate-type supramolecular heavy metal precipitant. Chemosphere, 2007, 69, 1783-1789.	8.2	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. Ecotoxicology and Environmental Safety, 2019, 169, 707-713.	6.0	82
53	Evidence of high PM2.5 strong acidity in ammonia-rich atmosphere of Guangzhou, China: Transition in pathways of ambient ammonia to form aerosol ammonium at [NH4+]/[SO42â€“] = 1.5. Atmospheric Research, 2011, 99, 488-495.	4.1	81
54	Kinetics and mechanisms of the degradation of PPCPs by zero-valent iron (FeÂ°) activated peroxydisulfate (PDS) system in groundwater. Journal of Hazardous Materials, 2018, 357, 207-216.	12.4	79

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55	Growth and Cd uptake by rice (Oryza sativa) in acidic and Cd-contaminated paddy soils amended with steel slag. Chemosphere, 2017, 189, 247-254.	8.2	78
56	A cleaner and energy-saving technology of vacuum step-by-step reduction for recovering cobalt and nickel from spent lithium-ion batteries. Journal of Cleaner Production, 2019, 229, 1148-1157.	9.3	77
57	Silane-based coatings on the pyrite for remediation of acid mine drainage. Water Research, 2013, 47, 4391-4402.	11.3	76
58	Performance and kinetic evaluation of anaerobic moving bed biofilm reactor for treating milk permeate from dairy industry. Bioresource Technology, 2009, 100, 5641-5647.	9.6	75
59	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
60	NiO decorated Mo:BiVO4 photoanode with enhanced visible-light photoelectrochemical activity. International Journal of Hydrogen Energy, 2014, 39, 4820-4827.	7.1	72
61	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
62	Removal of trace and major metals by soil washing with Na2EDTA and oxalate. Journal of Soils and Sediments, 2010, 10, 45-53.	3.0	70
63	Cadmiumâ€“zinc exchange and their binary relationship in the structure of Zn-related proteins: a mini review. Metallomics, 2014, 6, 1313-1323.	2.4	70
64	Influence of soil washing with a chelator on subsequent chemical immobilization of heavy metals in a contaminated soil. Journal of Hazardous Materials, 2010, 178, 578-587.	12.4	69
65	Waste shrimp shell-derived hydrochar as an emergent material for methyl orange removal in aqueous solutions. Environment International, 2020, 134, 105340.	10.0	69
66	Constitutional tolerance to heavy metals of a fiber crop, ramie (Boehmeria nivea), and its potential usage. Environmental Pollution, 2010, 158, 551-558.	7.5	68
67	Mitigation of Cd accumulation in paddy rice (Oryza sativa L.) by Fe fertilization. Environmental Pollution, 2017, 231, 549-559.	7.5	68
68	Sludge-Derived Biochar for Arsenic(III) Immobilization: Effects of Solution Chemistry on Sorption Behavior. Journal of Environmental Quality, 2015, 44, 1119-1126.	2.0	67
69	Atrazine immobilization on sludge derived biochar and the interactive influence of coexisting Pb(II) or Cr(VI) ions. Chemosphere, 2015, 134, 438-445.	8.2	67
70	Integration of organohalide-respiring bacteria and nanoscale zero-valent iron (Bio-nZVI-RD): A perfect marriage for the remediation of organohalide pollutants?. Biotechnology Advances, 2016, 34, 1384-1395.	11.7	67
71	Nickel hyperaccumulation mechanisms: a review on the current state of knowledge. Plant and Soil, 2018, 423, 1-11.	3.7	67
72	Interaction of cadmium and zinc on accumulation and sub-cellular distribution in leaves of hyperaccumulator Potentilla griffithii. Journal of Hazardous Materials, 2011, 186, 1425-1430.	12.4	65

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73	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
74	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
75	Responses of non-protein thiols to Cd exposure in Cd hyperaccumulator Arabis paniculata Franch. Environmental and Experimental Botany, 2009, 66, 242-248.	4.2	61
76	Root foraging for zinc and cadmium requirement in the Zn/Cd hyperaccumulator plant Sedum alfredii. Plant and Soil, 2010, 327, 365-375.	3.7	60
77	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
78	Structural development and assembly patterns of the root-associated microbiomes during phytoremediation. Science of the Total Environment, 2018, 644, 1591-1601.	8.0	60
79	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
80	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
81	Chelant extraction of heavy metals from contaminated soils using new selective EDTA derivatives. Journal of Hazardous Materials, 2013, 262, 464-471.	12.4	57
82	Degradation of 2,2â€²,4,4â€²-tetrabromodiphenyl ether (BDE-47) by a nano zerovalent iron-activated persulfate process: The effect of metal ions. Chemical Engineering Journal, 2017, 317, 613-622.	12.7	57
83	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
84	Sulfate reduction and copper precipitation by a Citrobacter sp. isolated from a mining area. Journal of Hazardous Materials, 2009, 164, 1310-1315.	12.4	56
85	Metal-tolerant Enterobacter sp. strain EG16 enhanced phytoremediation using Hibiscus cannabinus via siderophore-mediated plant growth promotion under metal contamination. Plant and Soil, 2017, 413, 203-216.	3.7	56
86	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
87	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
88	Nickel translocation via the phloem in the hyperaccumulator Noccaea caerulescens (Brassicaceae). Plant and Soil, 2016, 404, 35-45.	3.7	52
89	How Phytohormone Iaa and Chelator Edta Affect Lead Uptake by ZN/CD HyperaccumulatorPicris Divaricata. International Journal of Phytoremediation, 2011, 13, 1024-1036.	3.1	50
90	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

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91	Transcriptional up-regulation of genes involved in photosynthesis of the Zn/Cd hyperaccumulator Sedum alfredii in response to zinc and cadmium. Chemosphere, 2016, 164, 190-200.	8.2	49
92	The accumulation and fractionation of Rare Earth Elements in hydroponically grown Phytolacca americana L.. Plant and Soil, 2017, 421, 67-82.	3.7	49
93	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
94	An ultrasensitive homogeneous aptasensor for carcinoembryonic antigen based on upconversion fluorescence resonance energy transfer. Talanta, 2019, 195, 33-39.	5.5	49
95	Coupling adsorption-photocatalytic reduction of Cr(VI) by metal-free N-doped carbon. Science of the Total Environment, 2020, 704, 135284.	8.0	49
96	Degradation pathway of malachite green in a novel dual-tank photoelectrochemical catalytic reactor. Journal of Hazardous Materials, 2013, 260, 585-592.	12.4	48
97	Gasification of corn cob using non-thermal arc plasma. International Journal of Hydrogen Energy, 2015, 40, 12634-12649.	7.1	48
98	The differentially-expressed proteome in Zn/Cd hyperaccumulator Arabis paniculata Franch. in response to Zn and Cd. Chemosphere, 2011, 82, 321-328.	8.2	47
99	Fractionation of Stable Zinc Isotopes in the Field-Grown Zinc Hyperaccumulator Noccaea caerulescens and the Zinc-Tolerant Plant Silene vulgaris. Environmental Science & Technology, 2012, 46, 9972-9979.	10.0	45
100	Pb(II), Cr(VI) and atrazine sorption behavior on sludge-derived biochar: role of humic acids. Environmental Science and Pollution Research, 2015, 22, 16031-16039.	5.3	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. Environmental Geochemistry and Health, 2017, 39, 353-367.	3.4	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. Energy Conversion and Management, 2020, 203, 112226.	9.2	43
103	Elucidating Toxicodynamic Differences at the Molecular Scale between ZnO Nanoparticles and ZnCl₂ in <i>Enchytraeus crypticus</i> via Nontargeted Metabolomics. Environmental Science & Technology, 2020, 54, 3487-3498.	10.0	43
104	Gold nanoparticles inducing surface disorders of titanium dioxide photoanode for efficient water splitting. Nano Energy, 2014, 10, 313-321.	16.0	42
105	Mechanisms of Fe biofortification and mitigation of Cd accumulation in rice (Oryza sativa L.) grown hydroponically with Fe chelate fertilization. Chemosphere, 2017, 175, 275-285.	8.2	42
106	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
107	Heavy metal (Pb, Zn) uptake and chemical changes in rhizosphere soils of four wetland plants with different radial oxygen loss. Journal of Environmental Sciences, 2010, 22, 696-702.	6.1	41
108	Cable bacteria extend the impacts of elevated dissolved oxygen into anoxic sediments. ISME Journal, 2021, 15, 1551-1563.	9.8	41

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109	Carboxylesterase-involved metabolism of di-n-butyl phthalate in pumpkin (Cucurbita moschata) seedlings. Environmental Pollution, 2017, 220, 421-430.	7.5	39
110	Zinc Hyperaccumulation and Uptake byPotentilla GriffithiiHook. International Journal of Phytoremediation, 2006, 8, 299-310.	3.1	38
111	Attenuation of Metal Bioavailability in Acidic Multi-Metal Contaminated Soil Treated with Fly Ash and Steel Slag. Pedosphere, 2012, 22, 544-553.	4.0	38
112	Effects of dissolved organic matter derived from forest leaf litter on biodegradation of phenanthrene in aqueous phase. Journal of Hazardous Materials, 2017, 324, 516-525.	12.4	38
113	Accumulation and associated phytotoxicity of novel chlorinated polyfluorinated ether sulfonate in wheat seedlings. Chemosphere, 2020, 249, 126447.	8.2	38
114	Zinc Isotope Fractionation in the Hyperaccumulator Noccaea caerulescens and the Nonaccumulating Plant Thlaspi arvense at Low and High Zn Supply. Environmental Science & Technology, 2016, 50, 8020-8027.	10.0	36
115	Vacuum-Gasification-Condensation of Waste Toner To Produce Industrial Chemicals and Nanomaterials. ACS Sustainable Chemistry and Engineering, 2017, 5, 4923-4929.	6.7	36
116	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
117	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
118	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
119	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
120	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
121	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
122	The roles of humic substances in the interactions of phenanthrene and heavy metals on the bentonite surface. Journal of Soils and Sediments, 2015, 15, 1463-1472.	3.0	33
123	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
124	Zn and Cd hyperaccumulating characteristics of Picris divaricata Vant.. International Journal of Environment and Pollution, 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. Chemosphere, 2014, 109, 1-6.	8.2	32
126	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

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127	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
128	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
129	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
130	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
131	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
132	Impaired leaf CO2 diffusion mediates Cd-induced inhibition of photosynthesis in the Zn/Cd hyperaccumulator Picris divaricata. Plant Physiology and Biochemistry, 2013, 73, 70-76.	5.8	30
133	PAHs Sorption and Desorption on Soil Influenced by Pine Needle Litter-Derived Dissolved Organic Matter. Pedosphere, 2014, 24, 575-584.	4.0	30
134	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
135	Simultaneous hyperaccumulation of rare earth elements, manganese and aluminum in Phytolacca americana in response to soil properties. Chemosphere, 2021, 282, 131096.	8.2	30
136	Effects of Zn on plant tolerance and non-protein thiol accumulation in Zn hyperaccumulator Arabis paniculata Franch. Environmental and Experimental Botany, 2011, 70, 227-232.	4.2	28
137	Electro-migration of heavy metals in an aged electroplating contaminated soil affected by the coexisting hexavalent chromium. Chemosphere, 2012, 86, 809-816.	8.2	28
138	Effect of coexisting Al(III) ions on Pb(II) sorption on biochars: Role of pH buffer and competition. Chemosphere, 2016, 161, 438-445.	8.2	28
139	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
140	Chlortetracycline hydrochloride removal by different biochar/Fe composites: A comparative study. Journal of Hazardous Materials, 2021, 403, 123889.	12.4	28
141	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
142	Metal immobilization by sludge-derived biochar: roles of mineral oxides and carbonized organic compartment. Environmental Geochemistry and Health, 2017, 39, 379-389.	3.4	27
143	Pyrolytic behavior and kinetic of wood sawdust at isothermal and non-isothermal conditions. Renewable Energy, 2019, 142, 284-294.	8.9	27
144	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

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145	Substrate-dependent competition and cooperation relationships between Geobacter and Dehalococcoides for their organohalide respiration. ISME Communications, 2021, 1, .	4.2	27
146	Waste activated sludge stimulates in situ microbial reductive dehalogenation of organohalide-contaminated soil. Journal of Hazardous Materials, 2021, 411, 125189.	12.4	27
147	Element Case Studies: Rare Earth Elements. Mineral Resource Reviews, 2018, , 297-308.	1.5	26
148	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
149	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
150	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
151	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
152	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
153	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
154	Effects of pyrene and fluoranthene on the degradation characteristics of phenanthrene in the cometabolism process by Sphingomonas sp. strain PheB4 isolated from mangrove sediments. Marine Pollution Bulletin, 2010, 60, 2043-2049.	5.0	24
155	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
156	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
157	Phytotoxicity and oxidative effects of typical quaternary ammonium compounds on wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Over	5.3	23
158	Cellular Tolerance, Accumulation and Distribution of Cadmium in Leaves of Hyperaccumulator Picris divaricata. Pedosphere, 2012, 22, 497-507.	4.0	22
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