

Guining Lu

List of Publications by Year in Descending Order

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

197
papers

3,713
citations

32
h-index

48
g-index

207
ext. papers

4,792
ext. citations

7.6
avg. IF

5.84
L-index

#	Paper	IF	Citations
197	Hierarchical health risk assessment and influence factors of an ecological post-restoration oil shale mining area based on metal bioavailability.. <i>Science of the Total Environment</i> , 2022 , 821, 153480	10.2	0
196	A collaborative strategy for elevated reduction and immobilization of Cr(VI) using nano zero valent iron assisted by schwertmannite: Removal performance and mechanism. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126952	12.8	5
195	Photodegradation of Decabrominated Diphenyl Ether in Soil Suspensions: Kinetics, Mechanisms and Intermediates. <i>Processes</i> , 2022 , 10, 718	2.9	0
194	Spatial and temporal variations of metal fractions in paddy soil flooding with acid mine drainage.. <i>Environmental Research</i> , 2022 , 212, 113241	7.9	0
193	Efficient removal of organophosphate esters by ligand functionalized MIL-101 (Fe): Modulated adsorption and DFT calculations.. <i>Chemosphere</i> , 2022 , 302, 134881	8.4	1
192	Remediation of Cd-, Pb-, Cu-, and Zn-contaminated soil using cow bone meal and oyster shell meal.. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 229, 113073	7	1
191	Degradation of tris(2-chloroethyl) phosphate (TCEP) by thermally activated persulfate: Combination of experimental and theoretical study. <i>Science of the Total Environment</i> , 2021 , 809, 152185	10.2	1
190	Arsenic Partitioning during Schwertmannite Dissolution and Recrystallization in the Presence of Fe(II) and Oxalic Acid. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 1058-1070	3.2	1
189	Application of Ag/TiO ₂ in photocatalytic degradation of 2,2',4,4'-tetrabromodiphenyl ether in simulated washing waste containing Triton X-100. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105077	6.8	3
188	Bacterial communities and functional genes stimulated during phenanthrene degradation in soil by bio-microcapsules. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 212, 111970	7	5
187	Mechanism and formation process of schwertmannite under electrochemical deposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126366	5.1	1
186	Effects of aging on surface properties and endogenous copper and zinc leachability of swine manure biochar and its composite with alkali-fused fly ash. <i>Waste Management</i> , 2021 , 126, 400-410	8.6	8
185	Spatial distribution characteristics of the microbial community and multi-phase distribution of toxic metals in the geochemical gradients caused by acid mine drainage, South China. <i>Science of the Total Environment</i> , 2021 , 774, 145660	10.2	5
184	Removal of heavy metal ions and polybrominated biphenyl ethers by sulfurized nanoscale zerovalent iron: Compound effects and removal mechanism. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125555	12.8	8
183	Influence of the co-exposure of microplastics and tetrabromobisphenol A on human gut: Simulation in vitro with human cell Caco-2 and gut microbiota. <i>Science of the Total Environment</i> , 2021 , 778, 146264	10.2	11
182	Differential regulation and the underlying mechanisms of clay minerals to Escherichia coli under the stress of polymyxin B: Comparing halloysite with kaolinite. <i>Chemosphere</i> , 2021 , 265, 129095	8.4	0
181	Mobilization of arsenic during reductive dissolution of As(V)-bearing jarosite by a sulfate reducing bacterium. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123717	12.8	4

180	Simultaneous adsorption of Cd and photocatalytic degradation of tris-(2-chloroisopropyl) phosphate (TCPP) by mesoporous TiO ₂ . <i>Chemosphere</i> , 2021 , 267, 129238	8.4	5
179	Photochemical reactivity of nitrogen-doped biochars under simulated sunlight irradiation: Generation of singlet oxygen. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124547	12.8	3
178	Soil rehabilitation shaped different patterns of bacterial and archaeal community in AMD-irrigated paddy soil. <i>Chemosphere</i> , 2021 , 263, 128259	8.4	2
177	Transcriptome profiling of <i>Pseudomonas aeruginosa</i> YH reveals mechanisms of 2, 2,4,4-tetrabrominated diphenyl ether tolerance and biotransformation. <i>Journal of Hazardous Materials</i> , 2021 , 403, 124038	12.8	2
176	Sulfate-reducing bacterial community shifts in response to acid mine drainage in the sediment of the Hengshi watershed, South China. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 2822-2834	5.1	5
175	Adsorption of Organic Compounds by Biomass Chars: Direct Role of Aromatic Condensation (Ring Cluster Size) Revealed by Experimental and Theoretical Studies. <i>Environmental Science & Technology</i> , 2021 , 55, 1594-1603	10.3	10
174	Decontamination of dense nonaqueous-phase liquids in groundwater using pump-and-treat and chemical oxidation processes: a field test.. <i>RSC Advances</i> , 2021 , 11, 4237-4246	3.7	2
173	Mechanisms of Cr(VI) adsorption on schwertmannite under environmental disturbance: Changes in surface complex structures. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125781	12.8	2
172	Effects of ferric ion on the photo-treatment of nonionic surfactant Brij35 washing waste containing 2,2,4,4-tetrabromodiphenyl ether. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125572	12.8	1
171	Effects of methanol on the performance of a novel BDE-47 degrading bacterial consortium QY2 in the co-metabolism process. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125698	12.8	4
170	Kinetics and mechanisms of phenolic compounds by Ferrate(VI) assisted with density functional theory. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125563	12.8	12
169	Sulfate migration and transformation characteristics in paddy soil profile affected by acid mine drainage. <i>Environmental Research</i> , 2021 , 200, 111732	7.9	1
168	Enhanced tris-(2-chloroisopropyl) phosphate degradation through ultraviolet driven peroxymonosulfate process: Kinetics, mechanism, residual toxicity assessment of intermediates products by proteomics. <i>Science of the Total Environment</i> , 2021 , 786, 147583	10.2	2
167	Enhanced bioremediation of 2,3,4,4,5-pentachlorodiphenyl by consortium GYB1 immobilized on sodium alginate-biochar. <i>Science of the Total Environment</i> , 2021 , 788, 147774	10.2	7
166	Degradation of Tris (2-Chloroethyl) Phosphate via UV/Fe(III) Photocatalysis: Kinetics, Products, and Toxicity Assessment. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	2
165	Reductive dissolution of Pb-Zn jarosite under near-neutral conditions. <i>Chemical Geology</i> , 2021 , 579, 120338	3.8	3
164	Improved extraction of acid-insoluble monosulfide minerals by stannous chloride reduction and its application to the separation of mono- and disulfide minerals in the presence of ferric iron. <i>Science of the Total Environment</i> , 2021 , 785, 147367	10.2	1
163	Co-metabolic and biochar-promoted biodegradation of mixed PAHs by highly efficient microbial consortium QY1. <i>Journal of Environmental Sciences</i> , 2021 , 107, 65-76	6.4	8

162	Spatial and temporal variations of Cu and Cd mobility and their controlling factors in pore water of contaminated paddy soil under acid mine drainage: A laboratory column study. <i>Science of the Total Environment</i> , 2021 , 792, 148523	10.2	3
161	Photocatalysis of Tris-(2-chloroethyl) phosphate by ultraviolet driven peroxymonosulfate oxidation process: Removal performance, energy evaluation and toxicity on bacterial metabolism network. <i>Chemical Engineering Journal</i> , 2021 , 423, 130261	14.7	3
160	Integrated ecological risk assessment of heavy metals in an oil shale mining area after restoration. <i>Journal of Environmental Management</i> , 2021 , 300, 113797	7.9	2
159	Debromination of polybrominated diphenyl ethers (PBDEs) by palladized zerovalent zinc particles: Influence factors, pathways and mechanism. <i>Chemosphere</i> , 2020 , 253, 126726	8.4	3
158	Arsenic behavior during gallic acid-induced redox transformation of jarosite under acidic conditions. <i>Chemosphere</i> , 2020 , 255, 126938	8.4	10
157	Acidity and metallic elements release from AMD-affected river sediments: Effect of AMD standstill and dilution. <i>Environmental Research</i> , 2020 , 186, 109490	7.9	11
156	Effect of nitrate on the phototreatment of Triton X-100 simulated washing waste containing 4,4Sdibromodiphenyl ether: Kinetics, products and toxicity assessment. <i>Science of the Total Environment</i> , 2020 , 732, 139247	10.2	6
155	The formation pathways of polybrominated dibenzo-p-dioxins and dibenzofurans (PBDD/Fs) from pyrolysis of polybrominated diphenyl ethers (PBDEs): Effects of bromination arrangement and level. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123004	12.8	4
154	Co-metabolic degradation of tetrabromobisphenol A by <i>Pseudomonas aeruginosa</i> and its auto-poisoning effect caused during degradation process. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110919	7	2
153	Homogeneous photocatalytic degradation of sulfamethazine induced by Fe(III)-carboxylate complexes: Kinetics, mechanism and products. <i>Chemical Engineering Journal</i> , 2020 , 402, 126122	14.7	13
152	Cellular changes of microbial consortium GY1 during decabromodiphenyl ether (BDE-209) biodegradation and identification of strains responsible for BDE-209 degradation in GY1. <i>Chemosphere</i> , 2020 , 249, 126205	8.4	5
151	Fate of oxalic-acid-intervened arsenic during Fe(II)-induced transformation of As(V)-bearing jarosite. <i>Science of the Total Environment</i> , 2020 , 719, 137311	10.2	9
150	Removal of triphenyl phosphate by nanoscale zerovalent iron (nZVI) activated bisulfite: Performance, surface reaction mechanism and sulfate radical-mediated degradation pathway. <i>Environmental Pollution</i> , 2020 , 260, 113983	9.3	16
149	Biodegradation of triphenyl phosphate using an efficient bacterial consortium GYY: Degradation characteristics, metabolic pathway and 16S rRNA genes analysis. <i>Science of the Total Environment</i> , 2020 , 713, 136598	10.2	12
148	Bacterial communities on soil microplastic at Guiyu, an E-Waste dismantling zone of China. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 195, 110521	7	34
147	Ecological risk assessment of trace metals and comprehensive contamination indicators in the coastal waters of Macao, South China Sea. <i>Marine Pollution Bulletin</i> , 2020 , 154, 110718	6.7	7
146	Degradation of trichloroethylene by photoelectrochemically activated persulfate. <i>Chemosphere</i> , 2020 , 254, 126796	8.4	9
145	Synthesis of silica-composited biochars from alkali-fused fly ash and agricultural wastes for enhanced adsorption of methylene blue. <i>Science of the Total Environment</i> , 2020 , 729, 139055	10.2	28

144	Sulfidation enhanced reduction of polybrominated diphenyl ether and Pb(II) combined pollutants by nanoscale zerovalent iron: Competitive reaction between pollutants and electronic transmission mechanism. <i>Chemical Engineering Journal</i> , 2020 , 395, 125085	14.7	14
143	Multiregional input-output analysis for energy-water nexus: A case study of Pearl River Delta urban agglomeration. <i>Journal of Cleaner Production</i> , 2020 , 262, 121255	10.3	24
142	Proteomic mechanism of decabromodiphenyl ether (BDE-209) biodegradation by <i>Microbacterium</i> Y2 and its potential in remediation of BDE-209 contaminated water-sediment system. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121708	12.8	20
141	Modeling coupled kinetics of arsenic adsorption/desorption and oxidation in ferrihydrite-Mn(II)/manganese (oxyhydr)oxides systems. <i>Chemosphere</i> , 2020 , 244, 125517	8.4	3
140	Soil microplastic pollution in an e-waste dismantling zone of China. <i>Waste Management</i> , 2020 , 118, 291-306	30.6	50
139	Oxalate-Induced Photoreduction Dissolution and Transformation of Schwertmannite: Change of Mineral Phase and Elemental Fate. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 2031-2040	3.2	4
138	Photoassisted degradation of 2,2,5,4,4-tetrabrominated diphenyl ether in simulated soil washing system containing Triton X series surfactants. <i>Environmental Pollution</i> , 2020 , 265, 115005	9.3	4
137	Effects of adsorbed phosphate on jarosite reduction by a sulfate reducing bacterium and associated mineralogical transformation. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110921	7	1
136	Effects of Pyrolysis Temperature and Holding Time on Physicochemical Properties of Swine-Manure-Derived Biochar. <i>Waste and Biomass Valorization</i> , 2020 , 11, 613-624	3.2	18
135	Degradation mechanism, intermediates and toxicology assessment of tris-(2-chloroisopropyl) phosphate using ultraviolet activated hydrogen peroxide. <i>Chemosphere</i> , 2020 , 241, 124991	8.4	7
134	Chromate(VI)-induced homogeneous oxidation and photolysis of aqueous tetracycline: Kinetics and mechanism. <i>Chemical Engineering Journal</i> , 2020 , 379, 122276	14.7	11
133	OPFRs and BFRs induced A549 cell apoptosis by caspase-dependent mitochondrial pathway. <i>Chemosphere</i> , 2019 , 221, 693-702	8.4	37
132	Mechanisms and pathways of debromination of polybrominated diphenyl ethers (PBDEs) in various nano-zerovalent iron-based bimetallic systems. <i>Science of the Total Environment</i> , 2019 , 661, 18-26	10.2	25
131	Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics. <i>Environmental Science: Nano</i> , 2019 , 6, 747-762	7.1	35
130	The behavior of chromium and arsenic associated with redox transformation of schwertmannite in AMD environment. <i>Chemosphere</i> , 2019 , 222, 945-953	8.4	36
129	Modeling Sorptive Fractionation of Organic Matter at the Mineral-Water Interface. <i>Soil Science Society of America Journal</i> , 2019 , 83, 107-117	2.5	5
128	Effects of benzo [a] pyrene (BaP) on the composting and microbial community of sewage sludge. <i>Chemosphere</i> , 2019 , 222, 517-526	8.4	17
127	Biodegradation of tricresyl phosphate isomers by <i>Brevibacillus brevis</i> : Degradation pathway and metabolic mechanism. <i>Chemosphere</i> , 2019 , 232, 195-203	8.4	10

126	Oxidation degradation of tris-(2-chloroisopropyl) phosphate by ultraviolet driven sulfate radical: Mechanisms and toxicology assessment of degradation intermediates using flow cytometry analyses. <i>Science of the Total Environment</i> , 2019 , 687, 732-740	10.2	17
125	Degradation of tris-(2-chloroisopropyl) phosphate via UV/TiO ₂ photocatalysis: kinetic, pathway, and security risk assessment of degradation intermediates using proteomic analyses. <i>Chemical Engineering Journal</i> , 2019 , 374, 263-273	14.7	25
124	Effective capture of aqueous uranium from saline lake with magnesium-based binary and ternary layered double hydroxides. <i>Science of the Total Environment</i> , 2019 , 677, 556-563	10.2	24
123	Degradation of tris(2-chloroethyl) phosphate (TCEP) in aqueous solution by using pyrite activating persulfate to produce radicals. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 174, 667-674	7	27
122	Bioaccumulation and distribution of cadmium by Burkholderia cepacia GYP1 under oligotrophic condition and mechanism analysis at proteome level. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 176, 162-169	7	17
121	Dissimilatory iron and sulfate reduction by native microbial communities using lactate and citrate as carbon sources and electron donors. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 174, 524-531	7	30
120	Elucidation of desferrioxamine B on the liberation of chromium from schwertmannite. <i>Chemical Geology</i> , 2019 , 513, 133-142	4.2	4
119	Biodegradation of decabromodiphenyl ether (BDE-209) using a novel microbial consortium GY1: Cells viability, pathway, toxicity assessment, and microbial function prediction. <i>Science of the Total Environment</i> , 2019 , 668, 958-965	10.2	28
118	Degradation of 2,2,4,4-tetrabromodiphenyl ether by Pycnoporus sanguineus in the presence of copper ions. <i>Journal of Environmental Sciences</i> , 2019 , 83, 133-143	6.4	4
117	Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO ₂ nanocomposites: Mechanisms and pathways. <i>Environment International</i> , 2019 , 127, 5-12	12.9	32
116	Pyrene Degradation by Mycobacterium gilvum: Metabolites and Proteins Involved. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	8
115	Reductive debromination of decabromodiphenyl ether by iron sulfide-coated nanoscale zerovalent iron: mechanistic insights from Fe(II) dissolution and solvent kinetic isotope effects. <i>Environmental Pollution</i> , 2019 , 253, 161-170	9.3	19
114	Reductive dissolution of jarosite by a sulfate reducing bacterial community: Secondary mineralization and microflora development. <i>Science of the Total Environment</i> , 2019 , 690, 1100-1109	10.2	23
113	Photocatalytic degradation of polybrominated biphenyls (PBBs) on metal doped TiO ₂ nanocomposites in aqueous environments: mechanisms and solution effects. <i>Environmental Science: Nano</i> , 2019 , 6, 1111-1120	7.1	6
112	Bioremediation of triphenyl phosphate in river water microcosms: Proteome alteration of Brevibacillus brevis and cytotoxicity assessments. <i>Science of the Total Environment</i> , 2019 , 649, 563-570	10.2	14
111	Modeling kinetics of heavy metal release from field-contaminated soils: Roles of soil adsorbents and binding sites. <i>Chemical Geology</i> , 2019 , 506, 187-196	4.2	18
110	Thiocyanate-induced labilization of schwertmannite: Impacts and mechanisms. <i>Journal of Environmental Sciences</i> , 2019 , 80, 218-228	6.4	11
109	Rate constants for the reaction of hydroxyl and sulfate radicals with organophosphorus esters (OPEs) determined by competition method. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 170, 300-305 ⁷		11

108	Transformation of cadmium-associated schwertmannite and subsequent element repartitioning behaviors. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 617-627	5.1	7
107	Effects of surfactant on the degradation of 2,2,5,4,4-tetrabromodiphenyl ether (BDE-47) by nanoscale Ag/Fe particles: Kinetics, mechanisms and intermediates. <i>Environmental Pollution</i> , 2019 , 245, 780-788	9.3	14
106	Effect of phosphate on amorphous iron mineral generation and arsenic behavior in paddy soils. <i>Science of the Total Environment</i> , 2019 , 657, 644-656	10.2	24
105	Identification of novel pathways for biotransformation of tetrabromobisphenol A by <i>Phanerochaete chrysosporium</i> , combined with mechanism analysis at proteome level. <i>Science of the Total Environment</i> , 2019 , 659, 1352-1361	10.2	26
104	Molecular characteristics, proton dissociation properties, and metal binding properties of soil organic matter: A theoretical study. <i>Science of the Total Environment</i> , 2019 , 656, 521-530	10.2	14
103	Effects of eggshell addition on calcium-deficient acid soils contaminated with heavy metals. <i>Frontiers of Environmental Science and Engineering</i> , 2018 , 12, 1	5.8	5
102	Photodegradation of 2,4,4-tribrominated diphenyl ether in various surfactant solutions: kinetics, mechanisms and intermediates. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 806-812	4.3	11
101	Effects of <i>Sphingomonas</i> sp. GY2B on the structure and physicochemical properties of stearic acid-modified montmorillonite in the biodegradation of phenanthrene. <i>Applied Clay Science</i> , 2018 , 156, 36-44	5.2	13
100	Characterization of a di-n-butyl phthalate-degrading bacterial consortium and its application in contaminated soil. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 17645-17653	5.1	10
99	Enhanced photoelectrochemical degradation of Ibuprofen and generation of hydrogen via BiOI-deposited TiO ₂ nanotube arrays. <i>Science of the Total Environment</i> , 2018 , 633, 1198-1205	10.2	16
98	Debromination of polybrominated diphenyl ethers (PBDEs) by zero valent zinc: Mechanisms and predicting descriptors. <i>Journal of Hazardous Materials</i> , 2018 , 352, 165-171	12.8	21
97	Effect of Cu(II) on the stability of oxyanion-substituted schwertmannite. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 15492-15506	5.1	6
96	Formation and degradation of polybrominated dibenzofurans (PBDFs) in the UV photolysis of polybrominated diphenyl ethers (PBDEs) in various solutions. <i>Chemical Engineering Journal</i> , 2018 , 337, 333-341	14.7	26
95	Debromination of polybrominated diphenyl ethers (PBDEs) and their conversion to polybrominated dibenzofurans (PBDFs) by UV light: Mechanisms and pathways. <i>Journal of Hazardous Materials</i> , 2018 , 354, 1-7	12.8	31
94	Photocatalytic removal of organic phosphate esters by TiO ₂ : Effect of inorganic ions and humic acid. <i>Chemosphere</i> , 2018 , 206, 26-32	8.4	51
93	Bioremediation of triphenyl phosphate by <i>Brevibacillus brevis</i> : Degradation characteristics and role of cytochrome P450 monooxygenase. <i>Science of the Total Environment</i> , 2018 , 627, 1389-1395	10.2	33
92	Role of microbial activity in Fe(III) hydroxysulfate mineral transformations in an acid mine drainage-impacted site from the Dabaoshan Mine. <i>Science of the Total Environment</i> , 2018 , 616-617, 647-657	10.2	46
91	Pollution characteristics and assessment of sulfide tailings from the Dabaoshan Mine, China. <i>International Biodeterioration and Biodegradation</i> , 2018 , 128, 122-128	4.8	25

90	iTRAQ-based proteomic profiling of <i>Pycnoporus sanguineus</i> in response to co-existed tetrabromobisphenol A (TBBPA) and hexavalent chromium. <i>Environmental Pollution</i> , 2018 , 242, 1758-1767	8.3	13
89	Schwertmannite transformation via direct or indirect electron transfer by a sulfate reducing enrichment culture. <i>Environmental Pollution</i> , 2018 , 242, 738-748	9.3	11
88	Cadmium-induced stress response of <i>Phanerochaete chrysosporium</i> during the biodegradation of 2,2,4,4-tetrabromodiphenyl ether (BDE-47). <i>Ecotoxicology and Environmental Safety</i> , 2018 , 154, 45-51	7	7
87	Experimental and theoretical investigations on debromination pathways of polybrominated biphenyls (PBBs) under ultraviolet light. <i>Chemosphere</i> , 2018 , 212, 1-7	8.4	3
86	Migration and fate of metallic elements in a waste mud impoundment and affected river downstream: A case study in Dabaoshan Mine, South China. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 164, 474-483	7	27
85	Mineralogical characteristics of sediments and heavy metal mobilization along a river watershed affected by acid mine drainage. <i>PLoS ONE</i> , 2018 , 13, e0190010	3.7	37
84	Effects of interaction between montmorillonite and <i>Sphingomonas</i> sp. GY2B on the physical and chemical properties of montmorillonite in the clay-modulated biodegradation of phenanthrene. <i>Environmental Chemistry</i> , 2018 , 15, 296	3.2	6
83	Photodegradation behaviors of polychlorinated biphenyls in methanol by UV-irradiation: Solvent adducts and sigmatropic arrangement. <i>Chemosphere</i> , 2018 , 193, 861-868	8.4	11
82	Effect of 2, 2,4, 4-tetrabromodiphenyl ether (BDE-47) and its metabolites on cell viability, oxidative stress, and apoptosis of HepG2. <i>Chemosphere</i> , 2018 , 193, 978-988	8.4	38
81	Bacterial, archaeal, and fungal community responses to acid mine drainage-laden pollution in a rice paddy soil ecosystem. <i>Science of the Total Environment</i> , 2018 , 616-617, 107-116	10.2	65
80	Modeling coupled kinetics of antimony adsorption/desorption and oxidation on manganese oxides. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1691-1696	4.3	7
79	Debromination of 2,2,4,4-tetrabromodiphenyl ether (BDE-47) by synthetic Pd/Fe and Cu/Fe in different protic solvents. <i>Chemosphere</i> , 2018 , 212, 946-953	8.4	9
78	Rapid debromination of polybrominated diphenyl ethers (PBDEs) by zero valent metal and bimetals: Mechanisms and pathways assisted by density function theory calculation. <i>Environmental Pollution</i> , 2018 , 240, 745-753	9.3	21
77	Microbial Reduction of Cr (VI)-loaded Schwertmannite by <i>Shewanella oneidensis</i> MR-1. <i>Geomicrobiology Journal</i> , 2018 , 35, 727-734	2.5	7
76	Debromination of polybrominated biphenyls (PBBs) by zero valent metals and iron-based bimetallic particles: Mechanisms, pathways and predicting descriptor. <i>Chemical Engineering Journal</i> , 2018 , 351, 773-781	14.7	11
75	Relative roles of H-atom transfer and electron transfer in the debromination of polybrominated diphenyl ethers by palladized nanoscale zerovalent iron. <i>Environmental Pollution</i> , 2017 , 222, 331-337	9.3	34
74	Distribution, fractionation, and contamination assessment of heavy metals in paddy soil related to acid mine drainage. <i>Paddy and Water Environment</i> , 2017 , 15, 553-562	1.6	20
73	Electrochemical oxidation of pyrite in pH 2 electrolyte. <i>Electrochimica Acta</i> , 2017 , 239, 25-35	6.7	33

72	Photodebromination behaviors of polybrominated diphenyl ethers in methanol/water systems: Mechanisms and predicting descriptors. <i>Science of the Total Environment</i> , 2017 , 595, 666-672	10.2	13
71	Photodegradation of 4,4-dibrominated diphenyl ether in Triton X-100 micellar solution. <i>Chemosphere</i> , 2017 , 180, 423-429	8.4	18
70	Influence of co-existed tetrabromobisphenol A (TBBPA) and hexavalent chromium on the cellular characteristics of <i>Pycnoporus sanguineus</i> during their removal and reduction. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 142, 388-398	7	14
69	Effects of single and combined copper/perfluorooctane sulfonate on sequencing batch reactor process and microbial community in activated sludge. <i>Bioresource Technology</i> , 2017 , 238, 407-415	11	25
68	Removal of heavy metals from acid mine drainage using chicken eggshells in column mode. <i>Journal of Environmental Management</i> , 2017 , 188, 1-8	7.9	28
67	Hexavalent chromium induced oxidative stress and apoptosis in <i>Pycnoporus sanguineus</i> . <i>Environmental Pollution</i> , 2017 , 228, 128-139	9.3	48
66	The double influence mechanism of pH on arsenic removal by nano zero valent iron: electrostatic interactions and the corrosion of Fe ⁰ . <i>Environmental Science: Nano</i> , 2017 , 4, 1544-1552	7.1	50
65	Effects of rhamnolipids on the cell surface characteristics of <i>Sphingomonas</i> sp. GY2B and the biodegradation of phenanthrene. <i>RSC Advances</i> , 2017 , 7, 24321-24330	3.7	16
64	Drivers and applications of integrated clean-up technologies for surfactant-enhanced remediation of environments contaminated with polycyclic aromatic hydrocarbons (PAHs). <i>Environmental Pollution</i> , 2017 , 225, 129-140	9.3	61
63	Effect of anthraquinone-2,6-disulfonate on the photolysis of 2,4,4-tetrabromophenylphenyl ether. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 908-915	4.2	
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