

Yuan Wei

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.

148 papers	2,910 citations	28 h-index	46 g-index
152 ext. papers	4,055 ext. citations	8.3 avg, IF	5.63 L-index

#	Paper	IF	Citations
148	Large-Scale Manufacture of Recyclable Bioplastics from Renewable Cellulosic Biomass Derived from Softwood Kraft Pulp. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 1334-1343	4.3	0
147	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
146	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
145	Photodegradation of Decabrominated Diphenyl Ether in Soil Suspensions: Kinetics, Mechanisms and Intermediates. <i>Processes</i> , 2022 , 10, 718	2.9	0
144	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
143	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
142	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
141	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
140	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
139	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
138	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
137	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
136	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
135	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
134	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
133	Electrostatic self-assembly enabled flexible paper-based humidity sensor with high sensitivity and superior durability. <i>Chemical Engineering Journal</i> , 2021 , 404, 127105	14.7	37
132	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

131	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
130	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
129	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
128	Soil rehabilitation shaped different patterns of bacterial and archaeal community in AMD-irrigated paddy soil. <i>Chemosphere</i> , 2021 , 263, 128259	8.4	2
127	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
126	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
125	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
124	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
123	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
122	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
121	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
120	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
119	Sulfate migration and transformation characteristics in paddy soil profile affected by acid mine drainage. <i>Environmental Research</i> , 2021 , 200, 111732	7.9	1
118	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
117	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
116	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
115	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
114	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

113	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
112	Lignocellulose Enabled Highly Transparent Nanopaper with Tunable Ultraviolet-Blocking Performance and Superior Durability. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17033-17041	8.3	9
111	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
110	Arsenic behavior during gallic acid-induced redox transformation of jarosite under acidic conditions. <i>Chemosphere</i> , 2020 , 255, 126938	8.4	10
109	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
108	Effect of nitrate on the phototreatment of Triton X-100 simulated washing waste containing 4,4'-dibromodiphenyl ether: Kinetics, products and toxicity assessment. <i>Science of the Total Environment</i> , 2020 , 732, 139247	10.2	6
107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	Soil microplastic pollution in an e-waste dismantling zone of China. <i>Waste Management</i> , 2020 , 118, 291-306	10.6	50
96	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

95	Photoassisted degradation of 2,2,4,4-tetrabrominated diphenyl ether in simulated soil washing system containing Triton X series surfactants. <i>Environmental Pollution</i> , 2020 , 265, 115005	9.3	4
94	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
93	MXene-Based Conductive Organohydrogels with Long-Term Environmental Stability and Multifunctionality. <i>Advanced Functional Materials</i> , 2020 , 30, 2005135	15.6	89
92	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
91	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
90	OPFRs and BFRs induced A549 cell apoptosis by caspase-dependent mitochondrial pathway. <i>Chemosphere</i> , 2019 , 221, 693-702	8.4	37
89	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
88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	Bioaccumulation and distribution of cadmium by <i>Burkholderia cepacia</i> GYP1 under oligotrophic condition and mechanism analysis at proteome level. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 176, 162-169	7	17
79	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
78	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

77	Degradation of 2,2,4,4-tetrabromodiphenyl ether by <i>Pycnoporus sanguineus</i> in the presence of copper ions. <i>Journal of Environmental Sciences</i> , 2019 , 83, 133-143	6.4	4
76	Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO nanocomposites: Mechanisms and pathways. <i>Environment International</i> , 2019 , 127, 5-12	12.9	32
75	Pyrene Degradation by <i>Mycobacterium gilvum</i> : Metabolites and Proteins Involved. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	8
74	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
73	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
72	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
71	Bioremediation of triphenyl phosphate in river water microcosms: Proteome alteration of <i>Brevibacillus brevis</i> and cytotoxicity assessments. <i>Science of the Total Environment</i> , 2019 , 649, 563-570	10.2	14
70	Thiocyanate-induced labilization of schwertmannite: Impacts and mechanisms. <i>Journal of Environmental Sciences</i> , 2019 , 80, 218-228	6.4	11
69	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
68	Transformation of cadmium-associated schwertmannite and subsequent element repartitioning behaviors. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 617-627	5.1	7
67	Effects of surfactant on the degradation of 2,2,4,4-tetrabromodiphenyl ether (BDE-47) by nanoscale Ag/Fe particles: Kinetics, mechanisms and intermediates. <i>Environmental Pollution</i> , 2019 , 245, 780-788	9.3	14
66	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
65	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
64	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
63	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
62	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
61	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
60	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

59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	Experimental and theoretical investigations on debromination pathways of polybrominated biphenyls (PBBs) under ultraviolet light. <i>Chemosphere</i> , 2018 , 212, 1-7	8.4	3
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	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

41	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
40	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
39	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
38	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
37	Photodegradation of 4,4'-dibrominated diphenyl ether in Triton X-100 micellar solution. <i>Chemosphere</i> , 2017 , 180, 423-429	8.4	18
36	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
35	Single-Cell RNA-Seq Analysis Maps Development of Human Germline Cells and Gonadal Niche Interactions. <i>Cell Stem Cell</i> , 2017 , 20, 858-873.e4	18	194
34	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
33	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
32	Hexavalent chromium induced oxidative stress and apoptosis in <i>Pycnoporus sanguineus</i> . <i>Environmental Pollution</i> , 2017 , 228, 128-139	9.3	48
31	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
30	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
29	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
28	Effect of anthraquinone-2,6-disulfonate on the photolysis of 2,4,4'-tribromophenylphenyl ether. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 908-915	4.2	
27	Biodegradation of 2,2',4,4'-tetrabromodiphenyl ether (BDE-47) by <i>Phanerochaete chrysosporium</i> in the presence of Cd. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 11415-11424	5.1	15
26	Characteristics and proteomic analysis of pyrene degradation by <i>Brevibacillus brevis</i> in liquid medium. <i>Chemosphere</i> , 2017 , 178, 80-87	8.4	25
25	Pyrene biodegradation with layer-by-layer assembly bio-microcapsules. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 9-15	7	16
24	Role of Dissolved Organic Matter in the Release of Chromium from Schwertmannite: Kinetics, Repartition, and Mechanisms. <i>Journal of Environmental Quality</i> , 2017 , 46, 1088-1097	3.4	15

23	Isotope geochemistry, hydrochemistry, and mineralogy of a river affected by acid mine drainage in a mining area, South China. <i>RSC Advances</i> , 2017 , 7, 43310-43318	3.7	14
22	Comparative transcriptomic evidence for Tween80-enhanced biodegradation of phenanthrene by <i>Sphingomonas</i> sp. GY2B. <i>Science of the Total Environment</i> , 2017 , 609, 1161-1171	10.2	22
21	Fe- and S-Metabolizing Microbial Communities Dominate an AMD-Contaminated River Ecosystem and Play Important Roles in Fe and S Cycling. <i>Geomicrobiology Journal</i> , 2017 , 34, 695-705	2.5	17
20	Cosolubilization synergism occurrence in codesorption of PAH mixtures during surfactant-enhanced remediation of contaminated soil. <i>Chemosphere</i> , 2016 , 144, 583-90	8.4	17
19	Spatial and temporal distributions of sulfur species in paddy soils affected by acid mine drainage in Dabaoshan sulfide mining area, South China. <i>Geoderma</i> , 2016 , 281, 21-29	6.7	27
18	Bioremediation of Petroleum-Contaminated Acid Soil by a Constructed Bacterial Consortium Immobilized on Sawdust: Influences of Multiple Factors. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	11
17	A bio-hybrid material for adsorption and degradation of phenanthrene: bacteria immobilized on sawdust coated with a silica layer. <i>RSC Advances</i> , 2016 , 6, 107189-107199	3.7	8
16	Effects of nano bamboo charcoal on PAHs-degrading strain <i>Sphingomonas</i> sp. GY2B. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 125, 35-42	7	22
15	Epigenomic Landscape of Human Fetal Brain, Heart, and Liver. <i>Journal of Biological Chemistry</i> , 2016 , 291, 4386-98	5.4	31
14	Electrokinetic-Enhanced Remediation of Phenanthrene-Contaminated Soil Combined with <i>Sphingomonas</i> sp. GY2B and Biosurfactant. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 1325-38	3.2	10
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