Zhi Dang

List of Publications by Year in Descending Order

280 papers	5,586 citations	39 h-index	54 g-index
284 ext. papers	7,711 ext. citations	8 avg, IF	6.47 L-index

#	Paper	IF	Citations
280	Sulfite may disrupt estrogen homeostasis in human via inhibition of steroid arylsulfatase.. *Environmental Science and Pollution Research*, **2022**, 29, 19913	5.1	0
279	Occurrence, spatial distribution, and main source identification of ten bisphenol analogues in the dry season of the Pearl River, South China.. *Environmental Science and Pollution Research*, **2022**, 29, 27352	5.1	0
278	Coupled Sorption and Oxidation of Soil Dissolved Organic Matter on Manganese Oxides: Nano/Sub-nanoscale Distribution and Molecular Transformation.. *Environmental Science & Technology*, **2022**,	10.3	2
277	Assessing environmental fate of hexavalent chromium as influenced by fractionation of ferrihydrite with dissolved organic matter.. *Journal of Environmental Management*, **2022**, 306, 114489	7.9	0
276	MgO-loaded nitrogen and phosphorus self-doped biochar: High-efficient adsorption of aquatic Cu, Cd, and Pb and its remediation efficiency on heavy metal contaminated soil.. *Chemosphere*, **2022**, 133733	8.4	3
275	Environmental contamination and human exposure of polychlorinated biphenyls (PCBs) in China: A review. *Science of the Total Environment*, **2022**, 805, 150270	10.2	6
274	Synergistic removal of Cr(VI) by S-nZVI and organic acids: The enhanced electron selectivity and pH-dependent promotion mechanisms. *Journal of Hazardous Materials*, **2022**, 423, 127240	12.8	3
273	Inhibition of organosilane/ATP@HQ self-healing passivator for pyrite oxidation. *Chemosphere*, **2022**, 287, 132342	8.4	1
272	Rapid and efficient reduction of chromate by novel Pd/Fe@biomass derived from Enterococcus faecalis. *Environmental Research*, **2022**, 204, 112005	7.9	1
271	Twelve natural estrogens in urines of swine and cattle: Concentration profiles and importance of eight less-studied. *Science of the Total Environment*, **2022**, 803, 150042	10.2	4
270	A collaborative strategy for elevated reduction and immobilization of Cr(VI) using nano zero valent iron assisted by schwertmannite: Removal performance and mechanism. *Journal of Hazardous Materials*, **2022**, 422, 126952	12.8	5
269	Reduction of acid mine drainage by passivation of pyrite surfaces: A review.. *Science of the Total Environment*, **2022**, 155116	10.2	0
268	Activity measurement of arylsulfatase and β-glucuronidase in activated sludge: HPLC-based versus classical spectrophotometric method.. *Water Environment Research*, **2022**, 94, e10704	2.8	0
267	Effect of polystyrene microplastics on the degradation of sulfamethazine: The role of persistent free radicals.. *Science of the Total Environment*, **2022**, 155024	10.2	0
266	17β-Estradiol, an ignored endogenous natural estrogen in human: Updated estrogen metabolism pathways and its environmental risk analysis.. *Science of the Total Environment*, **2022**, 829, 154693	10.2	1
265	Spatial and temporal variations of metal fractions in paddy soil flooding with acid mine drainage.. *Environmental Research*, **2022**, 212, 113241	7.9	0
264	Efficient removal of organophosphate esters by ligand functionalized MIL-101 (Fe): Modulated adsorption and DFT calculations.. *Chemosphere*, **2022**, 302, 134881	8.4	1

263	Twelve natural estrogens in urines of six threatened or endangered mammalian species in Zoo Park: implications and their potential risk.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
262	Influence of protein configuration on aggregation kinetics of nanoplastics in aquatic environment.. *Water Research*, **2022**, 219, 118522	12.5	0
261	Discrepancy strategies of sediment abundant and rare microbial communities in response to floating microplastic disturbances: Study using a microcosmic experiment.. *Science of the Total Environment*, **2022**, 835, 155346	10.2	0
260	Stability properties of natural estrogen conjugates in different aqueous samples at room temperature and tips for sample storage. *Environmental Science and Pollution Research*, **2021**, 1	5.1	0
259	Efficient recovery of rare earth elements from discarded NdFeB magnets by mechanical activation coupled with acid leaching. *Environmental Science and Pollution Research*, **2021**, 1	5.1	2
258	Degradation of organophosphorus flame retardants in heterogeneous photo-Fenton system driven by Fe(III)-based metal organic framework: Intermediates and their potential interference on bacterial metabolism. *Chemosphere*, **2021**, 291, 133072	8.4	3
257	Amino-functionalized MIL-88B as heterogeneous photo-Fenton catalysts for enhancing tris-(2-chloroisopropyl) phosphate (TCPP) degradation: Dual excitation pathways accelerate the conversion of Fe to Fe under visible light irradiation. *Journal of Hazardous Materials*, **2021**, 425, 127782	12.8	4
256	Degradation of tris(2-chloroethyl) phosphate (TCEP) by thermally activated persulfate: Combination of experimental and theoretical study. *Science of the Total Environment*, **2021**, 809, 152185	10.2	1
255	17□ethynylestradiol and its two main conjugates in seven municipal wastewater treatment plants: Analytical method, their occurrence, removal and risk evaluation.. *Science of the Total Environment*, **2021**, 812, 152489	10.2	4
254	Effects of medical waste incineration fly ash on the promotion of heavy metal chlorination volatilization from incineration residues.. *Journal of Hazardous Materials*, **2021**, 425, 128037	12.8	0
253	Mechanistic insights into the environmental fate of tetracycline affected by ferrihydrite: Adsorption versus degradation.. *Science of the Total Environment*, **2021**, 811, 152283	10.2	1
252	Inhibition Properties of Arylsulfatase and □Glucuronidase by Hydrogen Peroxide, Hypochlorite, and Peracetic Acid. *ACS Omega*, **2021**, 6, 8163-8170	3.9	4
251	Possible overestimation of bisphenol analogues in municipal wastewater analyzed with GC-MS. *Environmental Pollution*, **2021**, 273, 116505	9.3	4
250	Microbial reduction of As(V)-loaded Schwertmannite by Desulfosporosinus meridiei. *Science of the Total Environment*, **2021**, 764, 144279	10.2	1
249	Arsenic Partitioning during Schwertmannite Dissolution and Recrystallization in the Presence of Fe(II) and Oxalic Acid. *ACS Earth and Space Chemistry*, **2021**, 5, 1058-1070	3.2	1
248	Bacterial communities and functional genes stimulated during phenanthrene degradation in soil by bio-microcapsules. *Ecotoxicology and Environmental Safety*, **2021**, 212, 111970	7	5
247	Occurrence and removal of 17□ethynylestradiol (EE2) in municipal wastewater treatment plants: Current status and challenges. *Chemosphere*, **2021**, 271, 129551	8.4	15
246	The influence mechanism of dissolved organic matter on the adsorption of Cd (II) by calcite. *Environmental Science and Pollution Research*, **2021**, 28, 37120-37129	5.1	4

245	Phenanthrene degradation in soil using biochar hybrid modified bio-microcapsules: Determining the mechanism of action via comparative metagenomic analysis. *Science of the Total Environment*, **2021**, 775, 145798	10.2	3
244	Evaluation of three common alkaline agents for immobilization of multi-metals in a field-contaminated acidic soil. *Environmental Science and Pollution Research*, **2021**, 28, 60765-60777	5.1	1
243	Removal of heavy metal ions and polybrominated biphenyl ethers by sulfurized nanoscale zerovalent iron: Compound effects and removal mechanism. *Journal of Hazardous Materials*, **2021**, 414, 125555	12.8	8
242	Far-Less Studied Natural Estrogens as Ignored Emerging Contaminants in Surface Water: Insights from Their Occurrence in the Pearl River, South China. *ACS ES&T Water*, **2021**, 1, 1776-1784		6
241	Influence of the co-exposure of microplastics and tetrabromobisphenol A on human gut: Simulation in vitro with human cell Caco-2 and gut microbiota. *Science of the Total Environment*, **2021**, 778, 146264	10.2	11
240	Memory effect induced the enhancement of uranium (VI) immobilization on low-cost MgAl-double oxide: Mechanism insight and resources recovery. *Journal of Hazardous Materials*, **2021**, 401, 123447	12.8	25
239	Immobilized Co and Cu induced structural change of layered double hydroxide for efficient heterogeneous degradation of antibiotic. *Journal of Hazardous Materials*, **2021**, 403, 123554	12.8	9
238	A novel strategy for harmlessness and reduction of copper smelting slags by alkali disaggregation of fayalite (FeSiO) coupling with acid leaching. *Journal of Hazardous Materials*, **2021**, 402, 123791	12.8	8
237	Making waves: Improving removal performance of conventional wastewater treatment plants on endocrine disrupting compounds (EDCs): their conjugates matter. *Water Research*, **2021**, 188, 116469	12.5	26
236	Enhanced removal of zinc and cadmium from water using carboxymethyl cellulose-bridged chlorapatite nanoparticles. *Chemosphere*, **2021**, 263, 128038	8.4	7
235	Differential regulation and the underlying mechanisms of clay minerals to Escherichia coli under the stress of polymyxin B: Comparing halloysite with kaolinite. *Chemosphere*, **2021**, 265, 129095	8.4	0
234	Mobilization of arsenic during reductive dissolution of As(V)-bearing jarosite by a sulfate reducing bacterium. *Journal of Hazardous Materials*, **2021**, 402, 123717	12.8	4
233	Simultaneous immobilization of multi-metals in a field contaminated acidic soil using carboxymethyl-cellulose-bridged nano-chlorapatite and calcium oxide. *Journal of Hazardous Materials*, **2021**, 407, 124786	12.8	6
232	Simultaneous adsorption of Cd and photocatalytic degradation of tris-(2-chloroisopropyl) phosphate (TCPP) by mesoporous TiO. *Chemosphere*, **2021**, 267, 129238	8.4	5
231	Photochemical reactivity of nitrogen-doped biochars under simulated sunlight irradiation: Generation of singlet oxygen. *Journal of Hazardous Materials*, **2021**, 410, 124547	12.8	3
230	Arsenic detoxification by iron-manganese nodules under electrochemically controlled redox: Mechanism and application. *Journal of Hazardous Materials*, **2021**, 403, 123912	12.8	6
229	Soil rehabilitation shaped different patterns of bacterial and archaeal community in AMD-irrigated paddy soil. *Chemosphere*, **2021**, 263, 128259	8.4	2
228	Transcriptome profiling of Pseudomonas aeruginosa YH reveals mechanisms of 2, 2R, 4, 4Rtetrabrominated diphenyl ether tolerance and biotransformation. *Journal of Hazardous Materials* , **2021**, 403, 124038	12.8	2

227	Inhibition of pyrite oxidation using PropS-SH/sepiolite composite coatings for the source control of acid mine drainage. *Environmental Science and Pollution Research*, **2021**, 28, 11090-11105	5.1	8
226	Sulfate-reducing bacterial community shifts in response to acid mine drainage in the sediment of the Hengshi watershed, South China. *Environmental Science and Pollution Research*, **2021**, 28, 2822-2834	5.1	5
225	Adsorption of Organic Compounds by Biomass Chars: Direct Role of Aromatic Condensation (Ring Cluster Size) Revealed by Experimental and Theoretical Studies. *Environmental Science & Technology*, **2021**, 55, 1594-1603	10.3	10
224	Contribution of nitrogen configurations to the adsorption of Cd(II) in nitrogen-enriched biochar. *New Journal of Chemistry*, **2021**, 45, 12669-12677	3.6	1
223	Oxygen vacancy-induced donor–acceptor-conjugated microporous poly(triphenylamine–benzothiadiazole)/TiO2 as a Z-scheme heterojunction photocatalyst towards a visible-light-driven degradation of bisphenol A. *Catalysis Science and Technology*, **2021**, 11, 1862-1873	5.5	2
222	Decontamination of dense nonaqueous-phase liquids in groundwater using pump-and-treat and chemical oxidation processes: a field test.. *RSC Advances*, **2021**, 11, 4237-4246	3.7	2
221	Legislation against endocrine-disrupting compounds in drinking water: essential but not enough to ensure water safety. *Environmental Science and Pollution Research*, **2021**, 28, 19505-19510	5.1	5
220	Mechanisms of Cr(VI) adsorption on schwertmannite under environmental disturbance: Changes in surface complex structures. *Journal of Hazardous Materials*, **2021**, 416, 125781	12.8	2
219	Self-Activated Ni Cathode for Electrocatalytic Nitrate Reduction to Ammonia: From Fundamentals to Scale-Up for Treatment of Industrial Wastewater. *Environmental Science & Technology*, **2021**, 55, 13231-13243	10.3	5
218	Effects of ferric ion on the photo-treatment of nonionic surfactant Brij35 washing waste containing 2,2′,4,4′-tetrabromodiphenyl ether. *Journal of Hazardous Materials*, **2021**, 415, 125572	12.8	1
217	Effects of methanol on the performance of a novel BDE-47 degrading bacterial consortium QY2 in the co-metabolism process. *Journal of Hazardous Materials*, **2021**, 415, 125698	12.8	4
216	A review of 17α-ethynylestradiol (EE2) in surface water across 32 countries: Sources, concentrations, and potential estrogenic effects. *Journal of Environmental Management*, **2021**, 292, 112804	7.9	12
215	Sulfate migration and transformation characteristics in paddy soil profile affected by acid mine drainage. *Environmental Research*, **2021**, 200, 111732	7.9	1
214	Enhanced bioremediation of 2,3′,4,4′,5-pentachlorodiphenyl by consortium GYB1 immobilized on sodium alginate-biochar. *Science of the Total Environment*, **2021**, 788, 147774	10.2	7
213	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. *Science of the Total Environment*, **2021**, 785, 147367	10.2	1
212	Enhanced Single and Simultaneous As(III) Adsorption in Pearl River Delta Water by Hexylamine Functionalized Vermiculite. *Water (Switzerland)*, **2021**, 13, 2412	3	1
211	Efficient peroxydisulfate activation with nZVI/CuO@BC nanocomposite derived from wastes for degradation of tetrabromobisphenol A in alkaline environment. *Journal of Hazardous Materials*, **2021**, 417, 126029	12.8	6
210	Co-metabolic and biochar-promoted biodegradation of mixed PAHs by highly efficient microbial consortium QY1. *Journal of Environmental Sciences*, **2021**, 107, 65-76	6.4	8

209	Bioleaching of indium from waste LCD panels by Aspergillus niger: Method optimization and mechanism analysis. *Science of the Total Environment*, **2021**, 790, 148151	10.2	5
208	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. *Science of the Total Environment*, **2021**, 792, 148523	10.2	3
207	Debromination of polybrominated diphenyl ethers (PBDEs) by palladized zerovalent zinc particles: Influence factors, pathways and mechanism. *Chemosphere*, **2020**, 253, 126726	8.4	3
206	Arsenic behavior during gallic acid-induced redox transformation of jarosite under acidic conditions. *Chemosphere*, **2020**, 255, 126938	8.4	10
205	Viability and distribution of bacteria immobilized on Sawdust@silica: The removal mechanism of phenanthrene in soil. *Ecotoxicology and Environmental Safety*, **2020**, 198, 110649	7	3
204	Acidity and metallic elements release from AMD-affected river sediments: Effect of AMD standstill and dilution. *Environmental Research*, **2020**, 186, 109490	7.9	11
203	Remediation of heavy metal contaminated soils by organic acid extraction and electrochemical adsorption. *Environmental Pollution*, **2020**, 264, 114745	9.3	36
202	Trace determination of eleven natural estrogens and insights from their occurrence in a municipal wastewater treatment plant and river water. *Water Research*, **2020**, 182, 115976	12.5	19
201	Adhesion of Sphingomonas sp. GY2B onto montmorillonite: A combination study by thermodynamics and the extended DLVO theory. *Colloids and Surfaces B: Biointerfaces*, **2020**, 192, 111085	6	9
200	Effect of nitrate on the phototreatment of Triton X-100 simulated washing waste containing 4,4Rdibromodiphenyl ether: Kinetics, products and toxicity assessment. *Science of the Total Environment*, **2020**, 732, 139247	10.2	6
199	Transcriptome Analysis of the Acid Stress Response of Desulfovibrio vulgaris ATCC 7757. *Current Microbiology*, **2020**, 77, 2702-2712	2.4	4
198	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. *Journal of Hazardous Materials*, **2020**, 399, 123004	12.8	4
197	Co-metabolic degradation of tetrabromobisphenol A by Pseudomonas aeruginosa and its auto-poisoning effect caused during degradation process. *Ecotoxicology and Environmental Safety*, **2020**, 202, 110919	7	2
196	Cellular changes of microbial consortium GY1 during decabromodiphenyl ether (BDE-209) biodegradation and identification of strains responsible for BDE-209 degradation in GY1. *Chemosphere*, **2020**, 249, 126205	8.4	5
195	Fate of oxalic-acid-intervened arsenic during Fe(II)-induced transformation of As(V)-bearing jarosite. *Science of the Total Environment*, **2020**, 719, 137311	10.2	9
194	Multifunctional magnetic MgMn-oxide composite for efficient purification of Cd and paracetamol pollution: Synergetic effect and stability. *Journal of Hazardous Materials*, **2020**, 388, 122078	12.8	22
193	Bisphenol analogues in Chinese bottled water: Quantification and potential risk analysis. *Science of the Total Environment*, **2020**, 713, 136583	10.2	42
192	Promoting the photogeneration of hydrochar reactive oxygen species based on FeAl layered double hydroxide for diethyl phthalate degradation. *Journal of Hazardous Materials*, **2020**, 388, 122120	12.8	19

191	Removal of triphenyl phosphate by nanoscale zerovalent iron (nZVI) activated bisulfite: Performance, surface reaction mechanism and sulfate radical-mediated degradation pathway. *Environmental Pollution*, **2020**, 260, 113983	9.3	16
190	Biodegradation of triphenyl phosphate using an efficient bacterial consortium GYY: Degradation characteristics, metabolic pathway and 16S rRNA genes analysis. *Science of the Total Environment*, **2020**, 713, 136598	10.2	12
189	Incorporation of Pb(II) into hematite during ferrihydrite transformation. *Environmental Science: Nano*, **2020**, 7, 829-841	7.1	7
188	Electrochemical adsorption of cadmium and arsenic by natural Fe-Mn nodules. *Journal of Hazardous Materials*, **2020**, 390, 122165	12.8	8
187	Efficient degradation of sodium diclofenac via heterogeneous Fenton reaction boosted by Pd/Fe@FeO nanoparticles derived from bio-recovered palladium. *Journal of Environmental Management*, **2020**, 260, 110072	7.9	21
186	Bacterial communities on soil microplastic at Guiyu, an E-Waste dismantling zone of China. *Ecotoxicology and Environmental Safety*, **2020**, 195, 110521	7	34
185	Removal of hexavalent chromium using biogenic mackinawite (FeS)-deposited kaolinite. *Journal of Colloid and Interface Science*, **2020**, 572, 236-245	9.3	24
184	Degradation of trichloroethylene by photoelectrochemically activated persulfate. *Chemosphere*, **2020**, 254, 126796	8.4	9
183	Net heterotrophy and low carbon dioxide emissions from biological processes in the Yellow River Estuary, China. *Water Research*, **2020**, 171, 115457	12.5	2
182	Synergistic adsorption of Cd(II) and As(V) on birnessite under electrochemical control. *Chemosphere* , **2020**, 247, 125822	8.4	3
181	Strategy for effective inhibition of arylsulfatase/β-glucuronidase to prevent deconjugation of sulfate and glucuronide conjugates in wastewater during sample collection and storage. *Science of the Total Environment*, **2020**, 703, 135536	10.2	10
180	Proteomic mechanism of decabromodiphenyl ether (BDE-209) biodegradation by Microbacterium Y2 and its potential in remediation of BDE-209 contaminated water-sediment system. *Journal of Hazardous Materials*, **2020**, 387, 121708	12.8	20
179	Human exposure of bisphenol A and its analogues: understandings from human urinary excretion data and wastewater-based epidemiology. *Environmental Science and Pollution Research*, **2020**, 27, 3247-3256	5.1	19
178	High-efficiency As(III) oxidation and electrocoagulation removal using hematite with a charge-discharge technique. *Science of the Total Environment*, **2020**, 703, 135678	10.2	8
177	Global review of phthalates in edible oil: An emerging and nonnegligible exposure source to human. *Science of the Total Environment*, **2020**, 704, 135369	10.2	31
176	Soil microplastic pollution in an e-waste dismantling zone of China. *Waste Management*, **2020**, 118, 291-301	8.6	50
175	Remediation of soil and groundwater contaminated with organic chemicals using stabilized nanoparticles: Lessons from the past two decades. *Frontiers of Environmental Science and Engineering*, **2020**, 14, 1	5.8	20
174	Influence of environmental and biological macromolecules on aggregation kinetics of nanoplastics in aquatic systems. *Water Research*, **2020**, 186, 116316	12.5	19

173	Oxalate-Induced Photoreduction Dissolution and Transformation of Schwertmannite: Change of Mineral Phase and Elemental Fate. *ACS Earth and Space Chemistry*, **2020**, 4, 2031-2040	3.2	4
172	Photoassisted degradation of 2,2R,4,4Rtetrabrominated diphenyl ether in simulated soil washing system containing Triton X series surfactants. *Environmental Pollution*, **2020**, 265, 115005	9.3	4
171	Effects of adsorbed phosphate on jarosite reduction by a sulfate reducing bacterium and associated mineralogical transformation. *Ecotoxicology and Environmental Safety*, **2020**, 202, 110921	7	1
170	Leaching characteristics of heavy metals in tailings and their simultaneous immobilization with triethylenetetramine functioned montmorillonite (TETA-Mt) against simulated acid rain. *Environmental Pollution*, **2020**, 266, 115236	9.3	20
169	Effects of Pyrolysis Temperature and Holding Time on Physicochemical Properties of Swine-Manure-Derived Biochar. *Waste and Biomass Valorization*, **2020**, 11, 613-624	3.2	18
168	Degradation mechanism, intermediates and toxicology assessment of tris-(2-chloroisopropyl) phosphate using ultraviolet activated hydrogen peroxide. *Chemosphere*, **2020**, 241, 124991	8.4	7
167	Chemodiversity of Soil Dissolved Organic Matter. *Environmental Science & Technology*, **2020**, 54, 6174-6184	10.3	32
166	OPFRs and BFRs induced A549 cell apoptosis by caspase-dependent mitochondrial pathway. *Chemosphere*, **2019**, 221, 693-702	8.4	37
165	Mechanisms and pathways of debromination of polybrominated diphenyl ethers (PBDEs) in various nano-zerovalent iron-based bimetallic systems. *Science of the Total Environment*, **2019**, 661, 18-26	10.2	25
164	Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics. *Environmental Science: Nano*, **2019**, 6, 747-762	7.1	35
163	The behavior of chromium and arsenic associated with redox transformation of schwertmannite in AMD environment. *Chemosphere*, **2019**, 222, 945-953	8.4	36
162	Modeling Sorptive Fractionation of Organic Matter at the Mineral-Water Interface. *Soil Science Society of America Journal*, **2019**, 83, 107-117	2.5	5
161	Effects of benzo [a] pyrene (BaP) on the composting and microbial community of sewage sludge. *Chemosphere*, **2019**, 222, 517-526	8.4	17
160	Biodegradation of tricresyl phosphate isomers by Brevibacillus brevis: Degradation pathway and metabolic mechanism. *Chemosphere*, **2019**, 232, 195-203	8.4	10
159	Coupled Kinetics Model for Microbially Mediated Arsenic Reduction and Adsorption/Desorption on Iron Oxides: Role of Arsenic Desorption Induced by Microbes. *Environmental Science & Technology*, **2019**, 53, 8892-8902	10.3	16
158	Mechanism of enhancing pyrene-degradation ability of bacteria by layer-by-layer assembly bio-microcapsules materials. *Ecotoxicology and Environmental Safety*, **2019**, 181, 525-533	7	7
157	Oxidation degradation of tris-(2-chloroisopropyl) phosphate by ultraviolet driven sulfate radical: Mechanisms and toxicology assessment of degradation intermediates using flow cytometry analyses. *Science of the Total Environment*, **2019**, 687, 732-740	10.2	17
156	A simulation-based bi-level multi-objective programming model for watershed water quality management under interval and stochastic uncertainties. *Journal of Environmental Management*, **2019**, 245, 418-431	7.9	7

155	Environmental application of MgMn-layered double oxide for simultaneous efficient removal of tetracycline and Cd pollution: Performance and mechanism. *Journal of Environmental Management*, **2019**, 246, 164-173	7.9	41
154	Biogenic iron mineralization of polyferric sulfate by dissimilatory iron reducing bacteria: Effects of medium composition and electric field stimulation. *Science of the Total Environment*, **2019**, 684, 466-475	10.2	8
153	Molecular fractionation and sub-nanoscale distribution of dissolved organic matter on allophane. *Environmental Science: Nano*, **2019**, 6, 2037-2048	7.1	17
152	Ag/AgCl/MIL-101(Fe) Catalyzed Degradation of Methylene Blue under Visible Light Irradation. *Materials*, **2019**, 12,	3.5	12
151	Predicting Kinetics of As(V) Adsorption and Desorption on Mixed Minerals of Ferrihydrite and ĒMnO2. *Soil Science Society of America Journal*, **2019**, 83, 348-356	2.5	4
150	Effective capture of aqueous uranium from saline lake with magnesium-based binary and ternary layered double hydroxides. *Science of the Total Environment*, **2019**, 677, 556-563	10.2	24
149	Degradation of tris(2-chloroethyl) phosphate (TCEP) in aqueous solution by using pyrite activating persulfate to produce radicals. *Ecotoxicology and Environmental Safety*, **2019**, 174, 667-674	7	27
148	Synergistic deep removal of As(III) and Cd(II) by a calcined multifunctional MgZnFe-CO layered double hydroxide: Photooxidation, precipitation and adsorption. *Chemosphere*, **2019**, 225, 115-125	8.4	42
147	Core-shell structured FeO@GO@MIL-100(Fe) magnetic nanoparticles as heterogeneous photo-Fenton catalyst for 2,4-dichlorophenol degradation under visible light. *Journal of Hazardous Materials*, **2019**, 371, 677-686	12.8	68
146	High mineral adsorption of glyphosate versus diethyl phthalate and tetracycline, during visible light photodegradation with goethite and oxalate. *Environmental Chemistry Letters*, **2019**, 17, 1421-1428	13.3	7
145	The effects of interaction between vermiculite and manganese dioxide on the environmental geochemical process of thallium. *Science of the Total Environment*, **2019**, 669, 903-910	10.2	16
144	Bioaccumulation and distribution of cadmium by Burkholderia cepacia GYP1 under oligotrophic condition and mechanism analysis at proteome level. *Ecotoxicology and Environmental Safety*, **2019**, 176, 162-169	7	17
143	Dissimilatory iron and sulfate reduction by native microbial communities using lactate and citrate as carbon sources and electron donors. *Ecotoxicology and Environmental Safety*, **2019**, 174, 524-531	7	30
142	Sustainable Water Resource Management of Regulated Rivers under Uncertain Inflow Conditions Using a Noisy Genetic Algorithm. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	3
141	Biodegradation of decabromodiphenyl ether (BDE-209) using a novel microbial consortium GY1: Cells viability, pathway, toxicity assessment, and microbial function prediction. *Science of the Total Environment*, **2019**, 668, 958-965	10.2	28
140	Degradation of 2,2Ŗ4,4Ŗtetrabromodiphenyl ether by Pycnoporus sanguineus in the presence of copper ions. *Journal of Environmental Sciences*, **2019**, 83, 133-143	6.4	4
139	Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO nanocomposites: Mechanisms and pathways. *Environment International*, **2019**, 127, 5-12	12.9	32
138	Insights into the Glyphosate Adsorption Behavior and Mechanism by a MnFeO@Cellulose-Activated Carbon Magnetic Hybrid. *ACS Applied Materials & Interfaces*, **2019**, 11, 15478-15488	9.5	46

137	Pyrene Degradation by Mycobacterium gilvum: Metabolites and Proteins Involved. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	8
136	Reductive debromination of decabromodiphenyl ether by iron sulfide-coated nanoscale zerovalent iron: mechanistic insights from Fe(II) dissolution and solvent kinetic isotope effects. *Environmental Pollution*, **2019**, 253, 161-170	9.3	19
135	Aggregation kinetics of UV irradiated nanoplastics in aquatic environments. *Water Research*, **2019**, 163, 114870	12.5	55
134	Reductive dissolution of jarosite by a sulfate reducing bacterial community: Secondary mineralization and microflora development. *Science of the Total Environment*, **2019**, 690, 1100-1109	10.2	23
133	Insights into removal mechanisms of bisphenol A and its analogues in municipal wastewater treatment plants. *Science of the Total Environment*, **2019**, 692, 107-116	10.2	59
132	Photocatalytic degradation of polybrominated biphenyls (PBBs) on metal doped TiO2 nanocomposites in aqueous environments: mechanisms and solution effects. *Environmental Science: Nano*, **2019**, 6, 1111-1120	7.1	6
131	Bioremediation of triphenyl phosphate in river water microcosms: Proteome alteration of Brevibacillus brevis and cytotoxicity assessments. *Science of the Total Environment*, **2019**, 649, 563-570	10.2	14
130	Thiocyanate-induced labilization of schwertmannite: Impacts and mechanisms. *Journal of Environmental Sciences*, **2019**, 80, 218-228	6.4	11
129	Rate constants for the reaction of hydroxyl and sulfate radicals with organophosphorus esters (OPEs) determined by competition method. *Ecotoxicology and Environmental Safety*, **2019**, 170, 300-305	7	11
128	Trace determination of sulfonamide antibiotics and their acetylated metabolites via SPE-LC-MS/MS in wastewater and insights from their occurrence in a municipal wastewater treatment plant. *Science of the Total Environment*, **2019**, 653, 815-821	10.2	54
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