

Yaoyu Zhou

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.

235 papers	13,409 citations	73 h-index	108 g-index
245 ext. papers	17,321 ext. citations	8.7 avg, IF	7.02 L-index

#	Paper	IF	Citations
235	Efficient removal of pefloxacin from aqueous solution by acid-alkali modified sludge-based biochar: adsorption kinetics, isotherm, thermodynamics, and mechanism.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
234	Thermochemical conversion of heavy metal contaminated biomass: Fate of the metals and their impact on products.. <i>Science of the Total Environment</i> , 2022 , 822, 153426	10.2	1
233	Silicon fertilizers, humic acid and their impact on physicochemical properties, availability and distribution of heavy metals in soil and soil aggregates.. <i>Science of the Total Environment</i> , 2022 , 153483	10.2	5
232	Enhancement of Fenton processes at initial circumneutral pH for the degradation of norfloxacin with Fe@FeS core-shell nanowires.. <i>Environmental Technology (United Kingdom)</i> , 2022 , 1-24	2.6	
231	Vinasse-based biochar magnetic composites: adsorptive removal of tetracycline in aqueous solutions.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
230	Unique g-C3N4/PDI-g-C3N4 homojunction with synergistic piezo-photocatalytic effect for aquatic contaminant control and H2O2 generation under visible light. <i>Applied Catalysis B: Environmental</i> , 2022 , 303, 120929	21.8	12
229	Microplastics and environmental pollutants: Key interaction and toxicology in aquatic and soil environments. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126843	12.8	34
228	Three-dimensional MOF-derived hierarchically porous aerogels activate peroxymonosulfate for efficient organic pollutants removal. <i>Chemical Engineering Journal</i> , 2022 , 427, 130830	14.7	14
227	Novel insights into the adsorption of organic contaminants by biochar: A review. <i>Chemosphere</i> , 2022 , 287, 132113	8.4	10
226	Current Progress of Microplastics in Sewage Sludge. <i>Handbook of Environmental Chemistry</i> , 2022 , 1	0.8	
225	Applications and influencing factors of the biochar-persulfate based advanced oxidation processes for the remediation of groundwater and soil contaminated with organic compounds.. <i>Science of the Total Environment</i> , 2022 , 155421	10.2	1
224	Biochars potential role in the remediation, revegetation, and restoration of contaminated soils 2022 , 381-399		
223	Magnetic MgFeO/biochar derived from pomelo peel as a persulfate activator for levofloxacin degradation: Effects and mechanistic consideration.. <i>Bioresource Technology</i> , 2021 , 346, 126547	11	4
222	Silicon-based additive on heavy metal remediation in soils: Toxicological effects, remediation techniques, and perspectives. <i>Environmental Research</i> , 2021 , 112244	7.9	2
221	Efficient Removal of Antimony(III) in Aqueous Phase by Nano-Fe3O4 Modified High-Iron Red Mud: Study on Its Performance and Mechanism. <i>Water (Switzerland)</i> , 2021 , 13, 809	3	1
220	Enhancing cadmium extraction potential of Brassica napus: Effect of rhizosphere interactions. <i>Journal of Environmental Management</i> , 2021 , 284, 112056	7.9	8
219	An overview on engineering the surface area and porosity of biochar. <i>Science of the Total Environment</i> , 2021 , 763, 144204	10.2	106

218	Electrokinetic techniques, their enhancement techniques and composite techniques with other processes for persistent organic pollutants remediation in soil: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 97, 163-172	6.3	13
217	Foliar application of Zn reduces Cd accumulation in grains of late rice by regulating the antioxidant system, enhancing Cd chelation onto cell wall of leaves, and inhibiting Cd translocation in rice. <i>Science of the Total Environment</i> , 2021 , 770, 145302	10.2	8
216	Distribution and migration characteristics of dinitrotoluene sulfonates (DNTs) in typical TNT production sites: Effects and health risk assessment. <i>Journal of Environmental Management</i> , 2021 , 287, 112342	7.9	4
215	Variations of disinfection byproduct precursors through conventional drinking water treatment processes and a real-time monitoring method.. <i>Chemosphere</i> , 2021 , 272, 129930	8.4	3
214	FeFe layered double hydroxide modified carbon felt cathode for removal of ciprofloxacin in electro-Fenton process. <i>Environmental Research</i> , 2021 , 197, 111144	7.9	24
213	Novel recycling of incinerated sewage sludge ash (ISSA) and waste bentonite as ceramsite for Pb-containing wastewater treatment: Performance and mechanism. <i>Journal of Environmental Management</i> , 2021 , 288, 112382	7.9	7
212	Activation of peroxymonosulfate (PMS) by spinel ferrite and their composites in degradation of organic pollutants: A Review. <i>Chemical Engineering Journal</i> , 2021 , 414, 128800	14.7	53
211	Characteristics and Influencing Factors of Microbial Community in Heavy Metal Contaminated Soil under Silicon Fertilizer and Biochar Remediation. <i>Adsorption Science and Technology</i> , 2021 , 2021, 1-10	3.6	2
210	Ultrafine metal species confined in metal-organic frameworks: Fabrication, characterization and photocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2021 , 439, 213924	23.2	15
209	Boron supply alleviates cadmium toxicity in rice (<i>Oryza sativa</i> L.) by enhancing cadmium adsorption on cell wall and triggering antioxidant defense system in roots. <i>Chemosphere</i> , 2021 , 266, 128938	8.4	26
208	Monitoring the nitrous oxide emissions and biological nutrient removal from wastewater treatment: Impact of perfluorooctanoic acid. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123469	12.8	13
207	Application of abscisic acid and 6-benzylaminopurine modulated morpho-physiological and antioxidative defense responses of tomato (<i>Solanum lycopersicum</i> L.) by minimizing cobalt uptake. <i>Chemosphere</i> , 2021 , 263, 128169	8.4	38
206	Biohythane production and microbial characteristics of two alternating mesophilic and thermophilic two-stage anaerobic co-digesters fed with rice straw and pig manure. <i>Bioresource Technology</i> , 2021 , 320, 124303	11	17
205	Polyamide 6 microplastics facilitate methane production during anaerobic digestion of waste activated sludge. <i>Chemical Engineering Journal</i> , 2021 , 408, 127251	14.7	25
204	Triclosan facilitates the recovery of volatile fatty acids from waste activated sludge. <i>Science of the Total Environment</i> , 2021 , 754, 142336	10.2	6
203	Design and fabrication of exfoliated Mg/Al layered double hydroxides on biochar support. <i>Journal of Cleaner Production</i> , 2021 , 289, 125142	10.3	25
202	Manganese ferrite modified biochar from vinasse for enhanced adsorption of levofloxacin: Effects and mechanisms. <i>Environmental Pollution</i> , 2021 , 272, 115968	9.3	17
201	Effectiveness and limitation of A-nZVI for restoration of a highly As-contaminated soil. <i>Journal of Cleaner Production</i> , 2021 , 284, 124691	10.3	6

- 200 A review on nitrogen transformation in hydrochar during hydrothermal carbonization of biomass containing nitrogen. *Science of the Total Environment*, **2021**, 756, 143679 10.2 23
- 199 Responses of ammonia-oxidizing microorganisms to biochar and compost amendments of heavy metals-polluted soil. *Journal of Environmental Sciences*, **2021**, 102, 263-272 6.4 12
- 198 Current progress in degradation and removal methods of polybrominated diphenyl ethers from water and soil: A review. *Journal of Hazardous Materials*, **2021**, 403, 123674 12.8 37
- 197 Arbuscular mycorrhizal fungi-induced mitigation of heavy metal phytotoxicity in metal contaminated soils: A critical review. *Journal of Hazardous Materials*, **2021**, 402, 123919 12.8 72
- 196 Effect of RM-based-passivator for the remediation of two kinds of Cd polluted paddy soils and mechanism of Cd(II) adsorption. *Environmental Technology (United Kingdom)*, **2021**, 42, 1623-1633 2.6 2
- 195 The FeO-modified biochar reduces arsenic availability in soil and arsenic accumulation in indica rice (*Oryza sativa* L.). *Environmental Science and Pollution Research*, **2021**, 28, 18050-18061 5.1 2
- 194 Iron-based materials for removal of arsenic from water **2021**, 209-245 3
- 193 Magnetic biochar-based composites for removal of recalcitrant pollutants in water **2021**, 163-187 1
- 192 The Use of Constructed Wetland for Mitigating Nitrogen and Phosphorus from Agricultural Runoff: A Review. *Water (Switzerland)*, **2021**, 13, 476 3 10
- 191 A Novel Manganese-Rich Pokeweed Biochar for Highly Efficient Adsorption of Heavy Metals from Wastewater: Performance, Mechanisms, and Potential Risk Analysis. *Processes*, **2021**, 9, 1209 2.9 1
- 190 Enzyme digestion combined with SP-ICP-MS analysis to characterize the bioaccumulation of gold nanoparticles by mustard and lettuce plants. *Science of the Total Environment*, **2021**, 777, 146038 10.2 5
- 189 A combined management scheme to simultaneously mitigate As and Cd concentrations in rice cultivated in contaminated paddy soil. *Journal of Hazardous Materials*, **2021**, 416, 125837 12.8 9
- 188 Elucidating the effects of TiO nanoparticles on the toxicity and accumulation of Cu in soybean plants (*Glycine max* L.). *Ecotoxicology and Environmental Safety*, **2021**, 219, 112312 7 3
- 187 New insights into ball milling effects on MgAl-LDHs exfoliation on biochar support: A case study for cadmium adsorption. *Journal of Hazardous Materials*, **2021**, 416, 126258 12.8 9
- 186 A review on percarbonate-based advanced oxidation processes for remediation of organic compounds in water. *Environmental Research*, **2021**, 200, 111371 7.9 10
- 185 Current progress in electrochemical anodic-oxidation of pharmaceuticals: Mechanisms, influencing factors, and new technique. *Journal of Hazardous Materials*, **2021**, 418, 126313 12.8 15
- 184 Soil organic carbon and soil aggregate stability associated with aggregate fractions in a chronosequence of citrus orchards plantations. *Journal of Environmental Management*, **2021**, 293, 112847 7.9 7
- 183 Exploring the role of Fe species from biochar-iron composites in the removal and long-term immobilization of SeO against competing oxyanions. *Journal of Hazardous Materials*, **2021**, 418, 126311 12.8 5

182	High-efficiency degradation of p-arsanilic acid and arsenic immobilization with iron encapsulated B/N-doped carbon nanotubes at natural solution pH. <i>Science of the Total Environment</i> , 2021 , 785, 147152	10.2	2
181	Boron application mitigates Cd toxicity in leaves of rice by subcellular distribution, cell wall adsorption and antioxidant system. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 222, 112540	7	4
180	Enhancing autotrophic nitrogen removal with a novel dissolved oxygen-differentiated airlift internal circulation reactor: Long-term operational performance and microbial characteristics. <i>Journal of Environmental Management</i> , 2021 , 296, 113271	7.9	10
179	A novel modified Fe-Mn binary oxide graphite felt (FMBO-GF) cathode in a neutral electro-Fenton system for ciprofloxacin degradation. <i>Environmental Pollution</i> , 2021 , 286, 117310	9.3	9
178	Mitigation of acidogenic product inhibition and elevated mass transfer by biochar during anaerobic digestion of food waste. <i>Bioresource Technology</i> , 2021 , 338, 125531	11	18
177	Sustainable biochar/MgFeO adsorbent for levofloxacin removal: Adsorption performances and mechanisms. <i>Bioresource Technology</i> , 2021 , 340, 125698	11	20
176	Stimulation of pyrolytic carbon materials as electron shuttles on the anaerobic transformation of recalcitrant organic pollutants: A review. <i>Science of the Total Environment</i> , 2021 , 801, 149696	10.2	4
175	Simultaneous degradation of p-arsanilic acid and inorganic arsenic removal using M-rGO/PS Fenton-like system under neutral conditions. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123032	12.8	30
174	Simultaneous removal of iron and manganese from acid mine drainage by acclimated bacteria. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122631	12.8	19
173	Electrochemical treatments of coking wastewater and coal gasification wastewater with Ti/TiO and Ti/RuO-IrO anodes. <i>Journal of Environmental Management</i> , 2020 , 265, 110571	7.9	12
172	Peroxymonosulfate activation of magnetic Co nanoparticles relative to an N-doped porous carbon under confinement: Boosting stability and performance. <i>Separation and Purification Technology</i> , 2020 , 250, 117237	8.3	51
171	Characteristics of denitrification genes and relevant enzyme activities in heavy-metal polluted soils remediated by biochar and compost. <i>Science of the Total Environment</i> , 2020 , 739, 139987	10.2	26
170	Influence of chlortetracycline as an antibiotic residue on nitrous oxide emissions from wastewater treatment. <i>Bioresource Technology</i> , 2020 , 313, 123696	11	6
169	Ultrathin low dimensional heterostructure composites with superior photocatalytic activity: Insight into the multichannel charge transfer mechanism. <i>Chemical Engineering Journal</i> , 2020 , 393, 124718	14.7	34
168	Effect of Fe, Mn catalysts on the performance of electro-Fenton degradation of antibiotic ciprofloxacin, and expanding the utilizing of acid mine drainage. <i>Science of the Total Environment</i> , 2020 , 720, 137560	10.2	19
167	Application of Fourier transform ion cyclotron resonance mass spectrometry to characterize natural organic matter. <i>Chemosphere</i> , 2020 , 260, 127458	8.4	17
166	Simultaneous remediation of methylene blue and Cr(VI) by mesoporous BiVO ₄ photocatalyst under visible-light illumination. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 112, 357-365	5.3	10
165	Exploring the linkage between free nitrous acid accumulation and nitrous oxide emissions in a novel static/oxic/anoxic process. <i>Bioresource Technology</i> , 2020 , 304, 123011	11	13

164	Remediation of persistent organic pollutants in aqueous systems by electrochemical activation of persulfates: A review. <i>Journal of Environmental Management</i> , 2020 , 260, 110125	7.9	62
163	The roles of suspended solids in persulfate/Fe ²⁺ treatment of hydraulic fracturing wastewater: Synergistic interplay of inherent wastewater components. <i>Chemical Engineering Journal</i> , 2020 , 388, 124243	14.7	16
162	Influence of roxithromycin as antibiotic residue on volatile fatty acids recovery in anaerobic fermentation of waste activated sludge. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122570	12.8	24
161	Effect of Manure Compost on Distribution of Cu and Zn in Rhizosphere Soil and Heavy Metal Accumulation by Brassica juncea. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	9
160	Degradation of sulfamethazine by biochar-supported bimetallic oxide/persulfate system in natural water: Performance and reaction mechanism. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122816	12.8	86
159	Degradation of several polycyclic aromatic hydrocarbons by laccase in reverse micelle system. <i>Science of the Total Environment</i> , 2020 , 708, 134970	10.2	17
158	Physicochemical features, metal availability and enzyme activity in heavy metal-polluted soil remediated by biochar and compost. <i>Science of the Total Environment</i> , 2020 , 701, 134751	10.2	109
157	Appraising growth, oxidative stress and copper phytoextraction potential of flax (<i>Linum usitatissimum</i> L.) grown in soil differentially spiked with copper. <i>Journal of Environmental Management</i> , 2020 , 257, 109994	7.9	79
156	Formation and interdependence of disinfection byproducts during chlorination of natural organic matter in a conventional drinking water treatment plant. <i>Chemosphere</i> , 2020 , 242, 125227	8.4	24
155	Synergistic utilization of inherent halides and alcohols in hydraulic fracturing wastewater for radical-based treatment: A case study of di-(2-ethylhexyl) phthalate removal. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121321	12.8	14
154	Bioremediation of water containing pesticides by microalgae: Mechanisms, methods, and prospects for future research. <i>Science of the Total Environment</i> , 2020 , 707, 136080	10.2	112
153	Fabrication of sustainable manganese ferrite modified biochar from vinasse for enhanced adsorption of fluoroquinolone antibiotics: Effects and mechanisms. <i>Science of the Total Environment</i> , 2020 , 709, 136079	10.2	98
152	Activation of persulfate by stability-enhanced magnetic graphene oxide for the removal of 2,4-dichlorophenol. <i>Science of the Total Environment</i> , 2020 , 707, 135656	10.2	19
151	Remediation of cadmium-contaminated soils using Brassica napus: Effect of nitrogen fertilizers. <i>Journal of Environmental Management</i> , 2020 , 255, 109885	7.9	31
150	Enhanced heterogeneous activation of persulfate by NiCo ₃ O ₄ for oxidative degradation of tetracycline and bisphenol A. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104451	6.8	7
149	Input-output balance of cadmium in typical agriculture soils with historical sewage irrigation in China. <i>Journal of Environmental Management</i> , 2020 , 276, 111298	7.9	15
148	Bacterial-induced mineralization (BIM) for soil solidification and heavy metal stabilization: A critical review. <i>Science of the Total Environment</i> , 2020 , 746, 140967	10.2	28
147	Dissipation Behavior and Residue Distribution of Famoxadone and Cymoxanil in Cucumber and Soil Ecosystem Under Open-Field Conditions. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	

146	Disinfection techniques of human norovirus in municipal wastewater: Challenges and future perspectives. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 17, 29-34	8.1	3
145	Day induced formation of oxygen vacancies and Ti defects in anatase TiO for efficient photocatalytic organic pollutant degradation. <i>Science of the Total Environment</i> , 2020 , 747, 141533	10.2	27
144	Recent advances in nitrous oxide production and mitigation in wastewater treatment. <i>Water Research</i> , 2020 , 184, 116168	12.5	18
143	Detection of C in environmental water using dispersive liquid-liquid micro-extraction followed by high-performance liquid chromatography. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 1015-1022	2.6	7
142	Efficient charge transfer in aluminum-cobalt layered double hydroxide derived from Co-ZIF for enhanced catalytic degradation of tetracycline through peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2020 , 382, 122802	14.7	91
141	Geochemical fractionation of thallium in contaminated soils near a large-scale Hg-Tl mineralised area. <i>Chemosphere</i> , 2020 , 239, 124775	8.4	17
140	Development of ozonation and reactive electrochemical membrane coupled process: Enhanced tetracycline mineralization and toxicity reduction. <i>Chemical Engineering Journal</i> , 2020 , 383, 123149	14.7	40
139	Electron density modulation of Fe _{1-x} Co _x P nanosheet arrays by iron incorporation for highly efficient water splitting. <i>Nano Energy</i> , 2020 , 67, 104174	17.1	43
138	Agricultural biomass/waste as adsorbents for toxic metal decontamination of aqueous solutions. <i>Journal of Molecular Liquids</i> , 2019 , 295, 111684	6	87
137	Research progress on the removal of hazardous perfluorochemicals: A review. <i>Journal of Environmental Management</i> , 2019 , 250, 109488	7.9	16
136	Current progress in treatment techniques of triclosan from wastewater: A review. <i>Science of the Total Environment</i> , 2019 , 696, 133990	10.2	19
135	Spatial variation of sediment bacterial community in an acid mine drainage contaminated area and surrounding river basin. <i>Journal of Environmental Management</i> , 2019 , 251, 109542	7.9	9
134	Effects of magnesium ferrite biochar on the cadmium passivation in acidic soil and bioavailability for packoi (<i>Brassica chinensis</i> L.). <i>Journal of Environmental Management</i> , 2019 , 251, 109610	7.9	35
133	Activation of persulfate with dual-doped reduced graphene oxide for degradation of alkylphenols. <i>Chemical Engineering Journal</i> , 2019 , 376, 120891	14.7	18
132	Insights into the oxidation of organic contaminants by iron nanoparticles encapsulated within boron and nitrogen co-doped carbon nanoshell: Catalyzed Fenton-like reaction at natural pH. <i>Environment International</i> , 2019 , 128, 77-88	12.9	48
131	Applications of nanoscale zero-valent iron and its composites to the removal of antibiotics: a review. <i>Journal of Materials Science</i> , 2019 , 54, 12171-12188	4.3	37
130	Diagnosis of soil contamination using microbiological indices: A review on heavy metal pollution. <i>Journal of Environmental Management</i> , 2019 , 242, 121-130	7.9	136
129	Response to comment on "Chiral pharmaceuticals: Environment sources, potential human health impacts, remediation technologies and future perspective". <i>Environment International</i> , 2019 , 127, 1-4	12.9	2

128	Core-shell nanomaterials: Applications in energy storage and conversion. <i>Advances in Colloid and Interface Science</i> , 2019 , 267, 26-46	14.3	73
127	Sustainable stabilization/solidification of municipal solid waste incinerator fly ash by incorporation of green materials. <i>Journal of Cleaner Production</i> , 2019 , 222, 335-343	10.3	102
126	Hydrogen sulfide enhances rice tolerance to nickel through the prevention of chloroplast damage and the improvement of nitrogen metabolism under excessive nickel. <i>Plant Physiology and Biochemistry</i> , 2019 , 138, 100-111	5.4	44
125	Carbon felt cathodes for electro-Fenton process to remove tetracycline via synergistic adsorption and degradation. <i>Science of the Total Environment</i> , 2019 , 670, 921-931	10.2	58
124	Enhancement of Fenton processes at initial circumneutral pH for the degradation of norfloxacin with Fe@FeO core-shell nanomaterials. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 3632-3640	2.6	7
123	Single and simultaneous adsorption of pefloxacin and Cu(II) ions from aqueous solutions by oxidized multiwalled carbon nanotube. <i>Science of the Total Environment</i> , 2019 , 646, 29-36	10.2	84
122	Advances in enhanced volatile fatty acid production from anaerobic fermentation of waste activated sludge. <i>Science of the Total Environment</i> , 2019 , 694, 133741	10.2	73
121	A sustainable ferromanganese biochar adsorbent for effective levofloxacin removal from aqueous medium. <i>Chemosphere</i> , 2019 , 237, 124464	8.4	77
120	Experimental and theoretical aspects of biochar-supported nanoscale zero-valent iron activating HO for ciprofloxacin removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120848	12.8	73
119	Optimizing the synthesis of Fe/Al (Hydr)oxides-Biochars to maximize phosphate removal via response surface model. <i>Journal of Cleaner Production</i> , 2019 , 237, 117770	10.3	74
118	A sustainable biochar catalyst synergized with copper heteroatoms and CO ₂ for singlet oxygenation and electron transfer routes. <i>Green Chemistry</i> , 2019 , 21, 4800-4814	10	133
117	Soil and fine roots ecological stoichiometry in different vegetation restoration stages in a karst area, southwest China. <i>Journal of Environmental Management</i> , 2019 , 252, 109694	7.9	13
116	Current progress in the adsorption, transport and biodegradation of antibiotics in soil. <i>Journal of Environmental Management</i> , 2019 , 251, 109598	7.9	41
115	Mechanistic insights into red mud, blast furnace slag, or metakaolin-assisted stabilization/solidification of arsenic-contaminated sediment. <i>Environment International</i> , 2019 , 133, 105247	12.9	60
114	Residual behavior and risk assessment of butralin in peanut fields. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 62	3.1	4
113	Carbon-based materials as adsorbent for antibiotics removal: Mechanisms and influencing factors. <i>Journal of Environmental Management</i> , 2019 , 237, 128-138	7.9	154
112	Construction of MIL-53(Fe) metal-organic framework modified by silver phosphate nanoparticles as a novel Z-scheme photocatalyst: Visible-light photocatalytic performance and mechanism investigation. <i>Applied Surface Science</i> , 2019 , 465, 103-115	6.7	84
111	Interaction of tetramer protein with carbon nanotubes. <i>Applied Surface Science</i> , 2019 , 464, 30-35	6.7	6

110	Cu and Co nanoparticles co-doped MIL-101 as a novel adsorbent for efficient removal of tetracycline from aqueous solutions. <i>Science of the Total Environment</i> , 2019 , 650, 408-418	10.2	112
109	Response to the comments on "peroxydisulfate chemistry in the environmental literature: A brief critique". <i>Journal of Hazardous Materials</i> , 2019 , 367, 356	12.8	3
108	Nanoporous Materials Based Sensors for Pollutant Detection 2019 , 265-291		0
107	Mesoporous Carbon Based Composites for Removal of Recalcitrant Pollutants From Water 2019 , 31-61		1
106	Mn-doped zirconium metal-organic framework as an effective adsorbent for removal of tetracycline and Cr(VI) from aqueous solution. <i>Microporous and Mesoporous Materials</i> , 2019 , 277, 277-285	5.3	110
105	Attapulgite-supported nano-Fe ₀ /peroxymonosulfate for quinclorac removal: Performance, mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019 , 360, 104-114	14.7	34
104	Concentrations and emissions of particulate matter and ammonia from extensive livestock farm in South China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 1871-1879	5.1	14
103	Population characteristics and influential factors of nitrogen cycling functional genes in heavy metal contaminated soil remediated by biochar and compost. <i>Science of the Total Environment</i> , 2019 , 651, 2166-2174	10.2	52
102	Particulate pollution status and its characteristics during 2015-2016 in Hunan, China. <i>Atmospheric Pollution Research</i> , 2019 , 10, 739-748	4.5	5
101	Mesoporous Carbon-Based Composites for Adsorption of Heavy Metals 2019 , 63-102		3
100	A review of recent applications of porous metals and metal oxide in energy storage, sensing and catalysis. <i>Journal of Materials Science</i> , 2019 , 54, 949-973	4.3	82
99	Analyses of tetracycline adsorption on alkali-acid modified magnetic biochar: Site energy distribution consideration. <i>Science of the Total Environment</i> , 2019 , 650, 2260-2266	10.2	83
98	Enhanced degradation of 1-naphthol in landfill leachate using <i>Arthrobacter</i> sp. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 835-842	2.6	3
97	Insight into electro-Fenton and photo-Fenton for the degradation of antibiotics: Mechanism study and research gaps. <i>Chemical Engineering Journal</i> , 2018 , 347, 379-397	14.7	195
96	Adsorption of tetracycline antibiotics from aqueous solutions on nanocomposite multi-walled carbon nanotube functionalized MIL-53(Fe) as new adsorbent. <i>Science of the Total Environment</i> , 2018 , 627, 235-244	10.2	304
95	Response of soil microbial communities to red mud-based stabilizer remediation of cadmium-contaminated farmland. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 11661-11669	5.1	10
94	Current progress in remediation of chlorinated volatile organic compounds: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 62, 106-119	6.3	65
93	Biochar-based functional materials in the purification of agricultural wastewater: Fabrication, application and future research needs. <i>Chemosphere</i> , 2018 , 197, 165-180	8.4	83

92	Insight into the dual-channel charge-carrier transfer path for nonmetal plasmonic tungsten oxide based composites with boosted photocatalytic activity under full-spectrum light. <i>Applied Catalysis B: Environmental</i> , 2018 , 235, 225-237	21.8	127
91	Formation of composite sorbent by <i>P. chrysogenum</i> strain F1 and ferrihydrite in water for arsenic removal. <i>International Biodeterioration and Biodegradation</i> , 2018 , 132, 208-215	4.8	7
90	Antimony contamination, consequences and removal techniques: A review. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 156, 125-134	7	132
89	Selenium contamination, consequences and remediation techniques in water and soils: A review. <i>Environmental Research</i> , 2018 , 164, 288-301	7.9	150
88	Carbon-based core-shell nanostructured materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7310-7337	13	73
87	The study of a pilot-scale aerobic/Fenton/anoxic/aerobic process system for the treatment of landfill leachate. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1926-1936	2.6	8
86	Performance and mechanism of As(III) removal from water using Fe-Al bimetallic material. <i>Separation and Purification Technology</i> , 2018 , 191, 314-321	8.3	11
85	Facile fabrication of mediator-free Z-scheme photocatalyst of phosphorous-doped ultrathin graphitic carbon nitride nanosheets and bismuth vanadate composites with enhanced tetracycline degradation under visible light. <i>Journal of Colloid and Interface Science</i> , 2018 , 509, 219-234	9.3	116
84	Current Progress in Aptasensors for Heavy Metal Ions Based on Photoelectrochemical Method: A Review. <i>Current Analytical Chemistry</i> , 2018 , 14,	1.7	18
83	Applications and factors influencing of the persulfate-based advanced oxidation processes for the remediation of groundwater and soil contaminated with organic compounds. <i>Journal of Hazardous Materials</i> , 2018 , 359, 396-407	12.8	101
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