

Yaoyu Zhou

List of Publications by Year in descending order

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243
papers

21,338
citations

4146

87
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11607

135
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245
all docs

245
docs citations

245
times ranked

17990
citing authors

#	ARTICLE	IF	CITATIONS
1	Vinasse-based biochar magnetic composites: adsorptive removal of tetracycline in aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2023, 30, 8916-8927.	5.3	5
2	Microplastics and environmental pollutants: Key interaction and toxicology in aquatic and soil environments. <i>Journal of Hazardous Materials</i> , 2022, 422, 126843.	12.4	220
3	Three-dimensional MOF-derived hierarchically porous aerogels activate peroxydisulfate for efficient organic pollutants removal. <i>Chemical Engineering Journal</i> , 2022, 427, 130830.	12.7	53
4	Novel insights into the adsorption of organic contaminants by biochar: A review. <i>Chemosphere</i> , 2022, 287, 132113.	8.2	97
5	Silicon-based additive on heavy metal remediation in soils: Toxicological effects, remediation techniques, and perspectives. <i>Environmental Research</i> , 2022, 205, 112244.	7.5	33
6	Unique g-C ₃ N ₄ /PDI-g-C ₃ N ₄ homojunction with synergistic piezo-photocatalytic effect for aquatic contaminant control and H ₂ O ₂ generation under visible light. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120929.	20.2	155
7	Magnetic MgFe ₂ O ₄ /biochar derived from pomelo peel as a persulfate activator for levofloxacin degradation: Effects and mechanistic consideration. <i>Bioresource Technology</i> , 2022, 346, 126547.	9.6	67
8	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, 29, 43201-43211.	5.3	7
9	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.	8.0	26
10	Benzotriazole Ultraviolet Stabilizers Promote Breast Cancer Cell Proliferation via Activating Estrogen-Related Receptors $\text{ER}\alpha$ and $\text{ER}\beta$ at Human-Relevant Levels. <i>Environmental Science & Technology</i> , 2022, 56, 2466-2475.	10.0	9
11	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, 822, 153483.	8.0	51
12	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.	2.2	0
13	Current Progress of Microplastics in Sewage Sludge. <i>Handbook of Environmental Chemistry</i> , 2022, , 1.	0.4	0
14	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, 836, 155421.	8.0	30
15	Biochars TM potential role in the remediation, revegetation TM , and restoration of contaminated soils. , 2022, , 381-399.		0
16	p-Arsanilic acid decontamination over a wide pH range using biochar-supported manganese ferrite material as an effective persulfate catalyst: Performances and mechanisms. <i>Biochar</i> , 2022, 4, .	12.6	23
17	Toward emerging applications using core-shell nanostructured materials: a review. <i>Journal of Materials Science</i> , 2022, 57, 10912-10942.	3.7	26
18	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.	8.2	68

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19	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.	12.4	40
20	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.	8.2	88
21	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.	9.6	45
22	Polyamide 6 microplastics facilitate methane production during anaerobic digestion of waste activated sludge. <i>Chemical Engineering Journal</i> , 2021, 408, 127251.	12.7	75
23	Triclosan facilitates the recovery of volatile fatty acids from waste activated sludge. <i>Science of the Total Environment</i> , 2021, 754, 142336.	8.0	12
24	Editorial of the VSI "Environmental, ecological and public health considerations regarding coronaviruses, other viruses, and other microorganisms potentially causing pandemic diseases". <i>Environmental Research</i> , 2021, 192, 110322.	7.5	7
25	Design and fabrication of exfoliated Mg/Al layered double hydroxides on biochar support. <i>Journal of Cleaner Production</i> , 2021, 289, 125142.	9.3	56
26	Manganese ferrite modified biochar from vinasse for enhanced adsorption of levofloxacin: Effects and mechanisms. <i>Environmental Pollution</i> , 2021, 272, 115968.	7.5	46
27	Effectiveness and limitation of A-nZVI for restoration of a highly As-contaminated soil. <i>Journal of Cleaner Production</i> , 2021, 284, 124691.	9.3	9
28	A review on nitrogen transformation in hydrochar during hydrothermal carbonization of biomass containing nitrogen. <i>Science of the Total Environment</i> , 2021, 756, 143679.	8.0	108
29	Responses of ammonia-oxidizing microorganisms to biochar and compost amendments of heavy metals-polluted soil. <i>Journal of Environmental Sciences</i> , 2021, 102, 263-272.	6.1	40
30	Current progress in degradation and removal methods of polybrominated diphenyl ethers from water and soil: A review. <i>Journal of Hazardous Materials</i> , 2021, 403, 123674.	12.4	79
31	Arbuscular mycorrhizal fungi-induced mitigation of heavy metal phytotoxicity in metal contaminated soils: A critical review. <i>Journal of Hazardous Materials</i> , 2021, 402, 123919.	12.4	266
32	Effect of RM-based-passivator for the remediation of two kinds of Cd polluted paddy soils and mechanism of Cd(II) adsorption. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1623-1633.	2.2	5
33	The Fe ₃ O ₄ -modified biochar reduces arsenic availability in soil and arsenic accumulation in indica rice (<i>Oryza sativa</i> L.). <i>Environmental Science and Pollution Research</i> , 2021, 28, 18050-18061.	5.3	22
34	Iron-based materials for removal of arsenic from water. , 2021, , 209-245.		4
35	Magnetic biochar-based composites for removal of recalcitrant pollutants in water. , 2021, , 163-187.		5
36	The Use of Constructed Wetland for Mitigating Nitrogen and Phosphorus from Agricultural Runoff: A Review. <i>Water (Switzerland)</i> , 2021, 13, 476.	2.7	33

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37	Efficient Removal of Antimony(III) in Aqueous Phase by Nano-Fe ₃ O ₄ Modified High-Iron Red Mud: Study on Its Performance and Mechanism. <i>Water (Switzerland)</i> , 2021, 13, 809.	2.7	8
38	Enhancing cadmium extraction potential of <i>Brassica napus</i> : Effect of rhizosphere interactions. <i>Journal of Environmental Management</i> , 2021, 284, 112056.	7.8	15
39	An overview on engineering the surface area and porosity of biochar. <i>Science of the Total Environment</i> , 2021, 763, 144204.	8.0	434
40	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.	5.8	39
41	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.	8.0	38
42	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.	7.8	9
43	Variations of disinfection byproduct precursors through conventional drinking water treatment processes and a real-time monitoring method. <i>Chemosphere</i> , 2021, 272, 129930.	8.2	17
44	FellFeIII layered double hydroxide modified carbon felt cathode for removal of ciprofloxacin in electro-Fenton process. <i>Environmental Research</i> , 2021, 197, 111144.	7.5	62
45	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.	7.8	31
46	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.	12.7	211
47	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, .	3.2	8
48	Ultrafine metal species confined in metal-organic frameworks: Fabrication, characterization and photocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213924.	18.8	42
49	A Novel Manganese-Rich Pokeweed Biochar for Highly Efficient Adsorption of Heavy Metals from Wastewater: Performance, Mechanisms, and Potential Risk Analysis. <i>Processes</i> , 2021, 9, 1209.	2.8	5
50	Enzyme digestion combined with SP-ICP-MS analysis to characterize the bioaccumulation of gold nanoparticles by mustard and lettuce plants. <i>Science of the Total Environment</i> , 2021, 777, 146038.	8.0	12
51	A combined management scheme to simultaneously mitigate As and Cd concentrations in rice cultivated in contaminated paddy soil. <i>Journal of Hazardous Materials</i> , 2021, 416, 125837.	12.4	35
52	Elucidating the effects of TiO ₂ nanoparticles on the toxicity and accumulation of Cu in soybean plants (<i>Glycine max</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2021, 219, 112312.	6.0	11
53	New insights into ball milling effects on MgAl-LDHs exfoliation on biochar support: A case study for cadmium adsorption. <i>Journal of Hazardous Materials</i> , 2021, 416, 126258.	12.4	46
54	A review on percarbonate-based advanced oxidation processes for remediation of organic compounds in water. <i>Environmental Research</i> , 2021, 200, 111371.	7.5	65

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55	Current progress in electrochemical anodic-oxidation of pharmaceuticals: Mechanisms, influencing factors, and new technique. <i>Journal of Hazardous Materials</i> , 2021, 418, 126313.	12.4	50
56	Soil organic carbon and soil aggregate stability associated with aggregate fractions in a chronosequence of citrus orchards plantations. <i>Journal of Environmental Management</i> , 2021, 293, 112847.	7.8	41
57	Exploring the role of Fe species from biochar-iron composites in the removal and long-term immobilization of SeO ₄ ²⁻ against competing oxyanions. <i>Journal of Hazardous Materials</i> , 2021, 418, 126311.	12.4	11
58	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.	8.0	9
59	New research on water, waste and energy management, with special focus on antibiotics and priority pollutants. <i>Environmental Research</i> , 2021, 201, 111582.	7.5	3
60	New research on reduction and/or elimination of hazardous substances in the design, manufacture and application of chemical products. <i>Environmental Research</i> , 2021, 201, 111601.	7.5	3
61	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.	6.0	19
62	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.	7.8	46
63	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.	7.5	38
64	Mitigation of acidogenic product inhibition and elevated mass transfer by biochar during anaerobic digestion of food waste. <i>Bioresource Technology</i> , 2021, 338, 125531.	9.6	59
65	Sustainable biochar/MgFe ₂ O ₄ adsorbent for levofloxacin removal: Adsorption performances and mechanisms. <i>Bioresource Technology</i> , 2021, 340, 125698.	9.6	106
66	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.	8.0	19
67	Detection of C60 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.	2.2	10
68	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.	12.7	174
69	Geochemical fractionation of thallium in contaminated soils near a large-scale Hg-Tl mineralised area. <i>Chemosphere</i> , 2020, 239, 124775.	8.2	32
70	Development of ozonation and reactive electrochemical membrane coupled process: Enhanced tetracycline mineralization and toxicity reduction. <i>Chemical Engineering Journal</i> , 2020, 383, 123149.	12.7	81
71	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.	16.0	87
72	Degradation of several polycyclic aromatic hydrocarbons by laccase in reverse micelle system. <i>Science of the Total Environment</i> , 2020, 708, 134970.	8.0	32

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73	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.	8.0	249
74	Residual behavior and risk assessment of butralin in peanut fields. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 62.	2.7	11
75	Appraising growth, oxidative stress and copper phytoextraction potential of flax (<i>Linum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Management, 2020, 257, 109994.	7.8	136
76	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.	8.2	38
77	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.	12.4	16
78	Bioremediation of water containing pesticides by microalgae: Mechanisms, methods, and prospects for future research. <i>Science of the Total Environment</i> , 2020, 707, 136080.	8.0	184
79	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.	8.0	187
80	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.	8.0	30
81	Remediation of cadmium-contaminated soils using <i>Brassica napus</i> : Effect of nitrogen fertilizers. <i>Journal of Environmental Management</i> , 2020, 255, 109885.	7.8	55
82	Enhanced heterogeneous activation of persulfate by $\text{Ni}_3\text{Co}_3\text{O}_4$ for oxidative degradation of tetracycline and bisphenol A. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104451.	6.7	22
83	Input-output balance of cadmium in typical agriculture soils with historical sewage irrigation in China. <i>Journal of Environmental Management</i> , 2020, 276, 111298.	7.8	26
84	Bacterial-induced mineralization (BIM) for soil solidification and heavy metal stabilization: A critical review. <i>Science of the Total Environment</i> , 2020, 746, 140967.	8.0	82
85	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.	2.4	1
86	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.	4.1	8
87	γ -ray induced formation of oxygen vacancies and Ti^{3+} defects in anatase TiO_2 for efficient photocatalytic organic pollutant degradation. <i>Science of the Total Environment</i> , 2020, 747, 141533.	8.0	53
88	Recent advances in nitrous oxide production and mitigation in wastewater treatment. <i>Water Research</i> , 2020, 184, 116168.	11.3	61
89	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.	12.4	49
90	Simultaneous removal of iron and manganese from acid mine drainage by acclimated bacteria. <i>Journal of Hazardous Materials</i> , 2020, 396, 122631.	12.4	53

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91	Electrochemical treatments of coking wastewater and coal gasification wastewater with Ti/Ti4O7 and Ti/RuO2-IrO2 anodes. <i>Journal of Environmental Management</i> , 2020, 265, 110571.	7.8	35
92	Peroxydisulfate 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.	7.9	103
93	Editorial: New Research on Soil Degradation and Restoration. <i>Journal of Environmental Management</i> , 2020, 269, 110851.	7.8	4
94	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.	8.0	57
95	Influence of chlortetracycline as an antibiotic residue on nitrous oxide emissions from wastewater treatment. <i>Bioresource Technology</i> , 2020, 313, 123696.	9.6	12
96	Ultrathin low dimensional heterostructure composites with superior photocatalytic activity: Insight into the multichannel charge transfer mechanism. <i>Chemical Engineering Journal</i> , 2020, 393, 124718.	12.7	54
97	Effect of Fe ²⁺ , Mn ²⁺ 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.	8.0	46
98	Application of Fourier transform ion cyclotron resonance mass spectrometry to characterize natural organic matter. <i>Chemosphere</i> , 2020, 260, 127458.	8.2	46
99	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	17
100	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.	9.6	19
101	Remediation of persistent organic pollutants in aqueous systems by electrochemical activation of persulfates: A review. <i>Journal of Environmental Management</i> , 2020, 260, 110125.	7.8	136
102	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.	12.7	29
103	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.	12.4	50
104	Effect of Manure Compost on Distribution of Cu and Zn in Rhizosphere Soil and Heavy Metal Accumulation by <i>Brassica juncea</i> . <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	16
105	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.	12.4	133
106	Enhancement of Fenton processes at initial circumneutral pH for the degradation of norfloxacin with Fe@Fe ₂ O ₃ core-shell nanomaterials. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 3632-3640.	2.2	12
107	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.	8.0	116
108	Advances in enhanced volatile fatty acid production from anaerobic fermentation of waste activated sludge. <i>Science of the Total Environment</i> , 2019, 694, 133741.	8.0	149

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109	A sustainable ferromanganese biochar adsorbent for effective levofloxacin removal from aqueous medium. <i>Chemosphere</i> , 2019, 237, 124464.	8.2	127
110	Experimental and theoretical aspects of biochar-supported nanoscale zero-valent iron activating H ₂ O ₂ for ciprofloxacin removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2019, 380, 120848.	12.4	119
111	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.	9.3	119
112	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.	9.0	188
113	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.	7.8	35
114	Current progress in the adsorption, transport and biodegradation of antibiotics in soil. <i>Journal of Environmental Management</i> , 2019, 251, 109598.	7.8	123
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.	10.0	91
116	Agricultural biomass/waste as adsorbents for toxic metal decontamination of aqueous solutions. <i>Journal of Molecular Liquids</i> , 2019, 295, 111684.	4.9	131
117	Research progress on the removal of hazardous perfluorochemicals: A review. <i>Journal of Environmental Management</i> , 2019, 250, 109488.	7.8	33
118	Current progress in treatment techniques of triclosan from wastewater: A review. <i>Science of the Total Environment</i> , 2019, 696, 133990.	8.0	39
119	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.	7.8	25
120	Effects of magnesium ferrite biochar on the cadmium passivation in acidic soil and bioavailability for pakoi (<i>Brassica chinensis</i> L.). <i>Journal of Environmental Management</i> , 2019, 251, 109610.	7.8	65
121	Activation of persulfate with dual-doped reduced graphene oxide for degradation of alkylphenols. <i>Chemical Engineering Journal</i> , 2019, 376, 120891.	12.7	36
122	Editorial of the VSI "Antibiotics and heavy metals in the environment: Facing the challenge". <i>Science of the Total Environment</i> , 2019, 678, 30-32.	8.0	6
123	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.	10.0	70
124	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.	3.7	54
125	Diagnosis of soil contamination using microbiological indices: A review on heavy metal pollution. <i>Journal of Environmental Management</i> , 2019, 242, 121-130.	7.8	238
126	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.	10.0	3

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127	Core-shell nanomaterials: Applications in energy storage and conversion. <i>Advances in Colloid and Interface Science</i> , 2019, 267, 26-46.	14.7	125
128	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.	9.3	177
129	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.	5.8	73
130	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.	8.0	99
131	Carbon-based materials as adsorbent for antibiotics removal: Mechanisms and influencing factors. <i>Journal of Environmental Management</i> , 2019, 237, 128-138.	7.8	266
132	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.	6.1	129
133	Interaction of tetramer protein with carbon nanotubes. <i>Applied Surface Science</i> , 2019, 464, 30-35.	6.1	6
134	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.	8.0	182
135	Response to the comments on "peroxydisulfate chemistry in the environmental literature: A brief critique"™™. <i>Journal of Hazardous Materials</i> , 2019, 367, 356.	12.4	3
136	Nanoporous Materials Based Sensors for Pollutant Detection. , 2019, , 265-291.		2
137	Mesoporous Carbon Based Composites for Removal of Recalcitrant Pollutants From Water. , 2019, , 31-61.		1
138	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.	4.4	177
139	Attapulgite-supported nano-FeO/peroxymonosulfate for quinclorac removal: Performance, mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 360, 104-114.	12.7	65
140	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.	5.3	25
141	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.	8.0	82
142	Particulate pollution status and its characteristics during 2015-2016 in Hunan, China. <i>Atmospheric Pollution Research</i> , 2019, 10, 739-748.	3.8	11
143	Mesoporous Carbon-Based Composites for Adsorption of Heavy Metals. , 2019, , 63-102.		4
144	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.	3.7	121

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145	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.	8.0	144
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