Zhi Dang

List of Publications by Year
in descending order

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283 papers	9,890 citations	34105 52 h-index	76900 74 g-index
284 all docs	284 docs citations	284 times ranked	8862 citing authors

#	Article	IF	Citations
1	Effective Extraction of Cr(VI) from Hazardous Gypsum Sludge via Controlling the Phase Transformation and Chromium Species. Environmental Science & Technology, 2018, 52, 13336-13342.	10.0	175
2	Nickel oxide and carbon nanotube composite (NiO/CNT) as a novel cathode non-precious metal catalyst in microbial fuel cells. Biosensors and Bioelectronics, 2015, 72, 332-339.	10.1	162
3	Worldwide human daily intakes of bisphenol A (BPA) estimated from global urinary concentration data (2000â€“2016) and its risk analysis. Environmental Pollution, 2017, 230, 143-152.	7.5	151
4	Enhanced Adsorption of p-Arsanilic Acid from Water by Amine-Modified UiO-67 as Examined Using Extended X-ray Absorption Fine Structure, X-ray Photoelectron Spectroscopy, and Density Functional Theory Calculations. Environmental Science & Technology, 2018, 52, 3466-3475.	10.0	148
5	Heavy Metal Contamination and Health Risk Assessment in the Vicinity of a Tailing Pond in Guangdong, China. International Journal of Environmental Research and Public Health, 2017, 14, 1557.	2.6	138
6	Removal of Natural Estrogens and Their Conjugates in Municipal Wastewater Treatment Plants: A Critical Review. Environmental Science & Technology, 2015, 49, 5288-5300.	10.0	137
7	Migration and potential risk of trace phthalates in bottled water: AÂglobal situation. Water Research, 2018, 147, 362-372.	11.3	134
8	Bisphenol A concentrations in human urine, human intakes across six continents, and annual trends of average intakes in adult and child populations worldwide: A thorough literature review. Science of the Total Environment, 2018, 626, 971-981.	8.0	133
9	Chemodiversity of Soil Dissolved Organic Matter. Environmental Science & Technology, 2020, 54, 6174-6184.	10.0	133
10	Core-shell structured Fe3O4@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.	12.4	121
11	Soil microplastic pollution in an e-waste dismantling zone of China. Waste Management, 2020, 118, 291-301.	7.4	121
12	Aggregation kinetics of UV irradiated nanoplastics in aquatic environments. Water Research, 2019, 163, 114870.	11.3	116
13	Insights into removal mechanisms of bisphenol A and its analogues in municipal wastewater treatment plants. Science of the Total Environment, 2019, 692, 107-116.	8.0	116
14	Kinetics of Cation and Oxyanion Adsorption and Desorption on Ferrihydrite: Roles of Ferrihydrite Binding Sites and a Unified Model. Environmental Science & Technology, 2017, 51, 10605-10614.	10.0	115
15	Bioaccumulation characterization of cadmium by growing Bacillus cereus RC-1 and its mechanism. Chemosphere, 2014, 109, 134-142.	8.2	109
16	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.	8.0	99
17	Drivers and applications of integrated clean-up technologies for surfactant-enhanced remediation of environments contaminated with polycyclic aromatic hydrocarbons (PAHs). Environmental Pollution, 2017, 225, 129-140.	7.5	95
18	Bacterial, archaeal, and fungal community responses to acid mine drainage-laden pollution in a rice paddy soil ecosystem. Science of the Total Environment, 2018, 616-617, 107-116.	8.0	93

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19	Biomass-derived heteroatoms-doped mesoporous carbon for efficient oxygen reduction in microbial fuel cells. Biosensors and Bioelectronics, 2017, 98, 350-356.	10.1	92
20	Kinetics of Heavy Metal Dissociation from Natural Organic Matter: Roles of the Carboxylic and Phenolic Sites. Environmental Science & Technology, 2016, 50, 10476-10484.	10.0	91
21	Enhanced removal of roxarsone by Fe₃O₄@3D graphene nanocomposites: synergistic adsorption and mechanism. Environmental Science: Nano, 2017, 4, 2134-2143.	4.3	89
22	Immobilization of Sphingomonas sp. GY2B in polyvinyl alcoholâ€“alginateâ€“kaolin beads for efficient degradation of phenol against unfavorable environmental factors. Ecotoxicology and Environmental Safety, 2018, 162, 103-111.	6.0	88
23	Bisphenol analogues in Chinese bottled water: Quantification and potential risk analysis. Science of the Total Environment, 2020, 713, 136583.	8.0	88
24	Remediation of heavy metal contaminated soils by organic acid extraction and electrochemical adsorption. Environmental Pollution, 2020, 264, 114745.	7.5	85
25	Sulfate migration in a river affected by acid mine drainage from the Dabaoshan mining area, South China. Chemosphere, 2015, 119, 734-743.	8.2	83
26	Insights into the Glyphosate Adsorption Behavior and Mechanism by a MnFe₂O₄@Cellulose-Activated Carbon Magnetic Hybrid. ACS Applied Materials & Interfaces, 2019, 11, 15478-15488.	8.0	83
27	Role of microbial activity in Fe(III) hydroxysulfate mineral transformations in an acid mine drainage-impacted site from the Dabaoshan Mine. Science of the Total Environment, 2018, 616-617, 647-657.	8.0	80
28	Amphoteric modified vermiculites as adsorbents for enhancing removal of organic pollutants: Bisphenol A and Tetrabromobisphenol A. Environmental Pollution, 2017, 228, 277-286.	7.5	79
29	The double influence mechanism of pH on arsenic removal by nano zero valent iron: electrostatic interactions and the corrosion of Fe⁰. Environmental Science: Nano, 2017, 4, 1544-1552.	4.3	78
30	Photocatalytic removal of organic phosphate esters by TiO2: Effect of inorganic ions and humic acid. Chemosphere, 2018, 206, 26-32.	8.2	75
31	Nonionic surfactants induced changes in cell characteristics and phenanthrene degradation ability of Sphingomonas sp. GY2B. Ecotoxicology and Environmental Safety, 2016, 129, 210-218.	6.0	72
32	Simultaneous electricity production and antibiotics removal by microbial fuel cells. Journal of Environmental Management, 2018, 217, 565-572.	7.8	71
33	Hexavalent chromium induced oxidative stress and apoptosis in Pycnoporus sanguineus. Environmental Pollution, 2017, 228, 128-139.	7.5	67
34	Biogenic Calcium Carbonate with Hierarchical Organicâ€“Inorganic Composite Structure Enhancing the Removal of Pb(II) from Wastewater. ACS Applied Materials & Interfaces, 2017, 9, 35785-35793.	8.0	67
35	MgO-loaded nitrogen and phosphorus self-doped biochar: High-efficient adsorption of aquatic Cu2+, Cd2+, and Pb2+ and its remediation efficiency on heavy metal contaminated soil. Chemosphere, 2022, 294, 133733.	8.2	66
36	Environmental contamination and human exposure of polychlorinated biphenyls (PCBs) in China: A review. Science of the Total Environment, 2022, 805, 150270.	8.0	65

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37	Influence of co-existed benzo[a]pyrene and copper on the cellular characteristics of Stenotrophomonas maltophilia during biodegradation and transformation. Bioresource Technology, 2014, 158, 181-187.	9.6	64
38	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.	7.8	64
39	Synergistic deep removal of As(III) and Cd(II) by a calcined multifunctional MgZnFe-CO3 layered double hydroxide: Photooxidation, precipitation and adsorption. Chemosphere, 2019, 225, 115-125.	8.2	64
40	Influence of environmental and biological macromolecules on aggregation kinetics of nanoplastics in aquatic systems. Water Research, 2020, 186, 116316.	11.3	64
41	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.	6.0	62
42	Bacterial communities on soil microplastic at Guiyu, an E-Waste dismantling zone of China. Ecotoxicology and Environmental Safety, 2020, 195, 110521.	6.0	62
43	Rapid and efficient removal of Cr(<scp>vi</scp>) by a coreâ€“shell magnetic mesoporous polydopamine nanocomposite: roles of the mesoporous structure and redox-active functional groups. Journal of Materials Chemistry A, 2021, 9, 13306-13319.	10.3	61
44	Fate of Fe and Cd upon microbial reduction of Cd-loaded polyferric flocs by Shewanella oneidensis MR-1. Chemosphere, 2016, 144, 2065-2072.	8.2	60
45	OPFRs and BFRs induced A549â€¯cell apoptosis by caspase-dependent mitochondrial pathway. Chemosphere, 2019, 221, 693-702.	8.2	60
46	Aerobic degradation of BDE-209 by Enterococcus casseliflavus: Isolation, identification and cell changes during degradation process. Journal of Hazardous Materials, 2016, 308, 335-342.	12.4	59
47	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.	4.3	59
48	Effect of surfactant amendment to PAHs-contaminated soil for phytoremediation by maize (Zea mays) Tj ETQq0 0 0 rgBT /Overlock 10 T	6.0	58
49	Sorption behavior of tylosin and sulfamethazine on humic acid: kinetic and thermodynamic studies. RSC Advances, 2015, 5, 58865-58872.	3.6	57
50	Bioremediation of triphenyl phosphate by Brevibacillus brevis: Degradation characteristics and role of cytochrome P450 monooxygenase. Science of the Total Environment, 2018, 627, 1389-1395.	8.0	57
51	Global review of phthalates in edible oil: An emerging and nonnegligible exposure source to human. Science of the Total Environment, 2020, 704, 135369.	8.0	56
52	Ecotoxicity monitoring and bioindicator screening of oil-contaminated soil during bioremediation. Ecotoxicology and Environmental Safety, 2016, 124, 120-128.	6.0	55
53	Refocusing on Nonpriority Toxic Metals in the Aquatic Environment in China. Environmental Science & Technology, 2017, 51, 3117-3118.	10.0	55
54	Effect of 2, 2â€², 4, 4â€²-tetrabromodiphenyl ether (BDE-47) and its metabolites on cell viability, oxidative stress, and apoptosis of HepG2. Chemosphere, 2018, 193, 978-988.	8.2	54

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55	The behavior of chromium and arsenic associated with redox transformation of schwertmannite in AMD environment. Chemosphere, 2019, 222, 945-953.	8.2	54
56	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.	8.0	54
57	A review of 17Î±-ethynylestradiol (EE2) in surface water across 32 countries: Sources, concentrations, and potential estrogenic effects. Journal of Environmental Management, 2021, 292, 112804.	7.8	52
58	Physiological responses of Microcystis aeruginosa against the algicidal bacterium Pseudomonas aeruginosa. Ecotoxicology and Environmental Safety, 2016, 127, 214-221.	6.0	51
59	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.	8.0	51
60	Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO2 nanocomposites: Mechanisms and pathways. Environment International, 2019, 127, 5-12.	10.0	49
61	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.	5.3	49
62	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.	12.4	49
63	Occurrence and removal of 17Î±-ethynylestradiol (EE2) in municipal wastewater treatment plants: Current status and challenges. Chemosphere, 2021, 271, 129551.	8.2	49
64	Mineralogical characteristics of sediments and heavy metal mobilization along a river watershed affected by acid mine drainage. PLoS ONE, 2018, 13, e0190010.	2.5	48
65	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.	6.0	48
66	Defective magnesium ferrite nano-platelets for the adsorption of As(V): The role of surface hydroxyl groups. Environmental Pollution, 2018, 235, 11-19.	7.5	46
67	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.	8.0	46
68	Making waves: Improving removal performance of conventional wastewater treatment plants on endocrine disrupting compounds (EDCs): their conjugates matter. Water Research, 2021, 188, 116469.	11.3	46
69	Arsenic speciation in turnip as affected by application of chicken manure bearing roxarsone and its metabolites. Plant and Soil, 2009, 316, 117-124.	3.7	44
70	Removal of heavy metals from acid mine drainage using chicken eggshells in column mode. Journal of Environmental Management, 2017, 188, 1-8.	7.8	44
71	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.	6.0	44
72	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.	12.4	44

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73	Efficient inhibition of heavy metal release from mine tailings against acid rain exposure by triethylenetetramine intercalated montmorillonite (TETA-Mt). Journal of Hazardous Materials, 2016, 318, 396-406.	12.4	43
74	Maize straw decorated with sulfide for tylosin removal from the water. Ecotoxicology and Environmental Safety, 2018, 152, 16-23.	6.0	43
75	Biomineralization mechanism of U(VI) induced by Bacillus cereus 12-2: The role of functional groups and enzymes. Chemosphere, 2018, 206, 682-692.	8.2	43
76	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.	12.4	43
77	Enhanced degradation of phenol by Sphingomonas sp. GY2B with resistance towards suboptimal environment through adsorption on kaolinite. Chemosphere, 2016, 148, 388-394.	8.2	42
78	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.	8.0	42
79	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.	7.5	42
80	Influence of ferric iron on the electrochemical behavior of pyrite. Ionics, 2011, 17, 169-176.	2.4	41
81	Relative roles of H-atom transfer and electron transfer in the debromination of polybrominated diphenyl ethers by palladized nanoscale zerovalent iron. Environmental Pollution, 2017, 222, 331-337.	7.5	41
82	Multifunctional magnetic MgMn-oxide composite for efficient purification of Cd2+ and paracetamol pollution: Synergetic effect and stability. Journal of Hazardous Materials, 2020, 388, 122078.	12.4	41
83	Effects of humic acids on the aggregation and sorption of nano-TiO2. Chemosphere, 2015, 119, 171-176.	8.2	40
84	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.	11.3	40
85	Debromination of polybrominated diphenyl ethers (PBDEs) and their conversion to polybrominated dibenzofurans (PBDFs) by UV light: Mechanisms and pathways. Journal of Hazardous Materials, 2018, 354, 1-7.	12.4	39
86	Identification of novel pathways for biotransformation of tetrabromobisphenol A by Phanerochaete chrysosporium, combined with mechanism analysis at proteome level. Science of the Total Environment, 2019, 659, 1352-1361.	8.0	39
87	Performance evaluation of integrated adsorption-nanofiltration system for emerging compounds removal: Exemplified by caffeine, diclofenac and octylphenol. Journal of Environmental Management, 2019, 231, 121-128.	7.8	39
88	Removal of hexavalent chromium using biogenic mackinawite (FeS)-deposited kaolinite. Journal of Colloid and Interface Science, 2020, 572, 236-245.	9.4	39
89	Enhanced bioremediation of 2,3â€²,4,4â€²,5-pentachlorodiphenyl by consortium GYB1 immobilized on sodium alginate-biochar. Science of the Total Environment, 2021, 788, 147774.	8.0	38
90	Biosorption and biodegradation of pyrene by Brevibacillus brevis and cellular responses to pyrene treatment. Ecotoxicology and Environmental Safety, 2015, 115, 166-173.	6.0	37

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91	Effects of single and combined copper/perfluorooctane sulfonate on sequencing batch reactor process and microbial community in activated sludge. Bioresource Technology, 2017, 238, 407-415.	9.6	37
92	Characteristics and proteomic analysis of pyrene degradation by Brevibacillus brevis in liquid medium. Chemosphere, 2017, 178, 80-87.	8.2	37
93	Differential regulation of phenanthrene biodegradation process by kaolinite and quartz and the underlying mechanism. Journal of Hazardous Materials, 2018, 349, 51-59.	12.4	37
94	Migration and fate of metallic elements in a waste mud impoundment and affected river downstream: A case study in Dabaoshan Mine, South China. Ecotoxicology and Environmental Safety, 2018, 164, 474-483.	6.0	37
95	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.	7.5	37
96	Reductive dissolution of jarosite by a sulfate reducing bacterial community: Secondary mineralization and microflora development. Science of the Total Environment, 2019, 690, 1100-1109.	8.0	37
97	Effects of Pyrolysis Temperature and Holding Time on Physicochemical Properties of Swine-Manure-Derived Biochar. Waste and Biomass Valorization, 2020, 11, 613-624.	3.4	37
98	A novel strategy for harmlessness and reduction of copper smelting slags by alkali disaggregation of fayalite (Fe2SiO4) coupling with acid leaching. Journal of Hazardous Materials, 2021, 402, 123791.	12.4	37
99	Comparative proteomics reveal the mechanism of Tween80 enhanced phenanthrene biodegradation by Sphingomonas sp. GY2B. Ecotoxicology and Environmental Safety, 2017, 137, 256-264.	6.0	36
100	Comparative transcriptomic evidence for Tween80-enhanced biodegradation of phenanthrene by Sphingomonas sp. GY2B. Science of the Total Environment, 2017, 609, 1161-1171.	8.0	36
101	Effects of modified biochar on rhizosphere microecology of rice (Oryza sativa L.) grown in As-contaminated soil. Environmental Science and Pollution Research, 2017, 24, 23815-23824.	5.3	35
102	Effect of phosphate on amorphous iron mineral generation and arsenic behavior in paddy soils. Science of the Total Environment, 2019, 657, 644-656.	8.0	35
103	Sorption of tylosin and sulfamethazine on solid humic acid. Journal of Environmental Sciences, 2016, 43, 208-215.	6.1	34
104	Simultaneous Cr(VI) removal and 2,2â€²,4,4â€²-tetrabromodiphenyl ether (BDE-47) biodegradation by Pseudomonas aeruginosa in liquid medium. Chemosphere, 2016, 150, 24-32.	8.2	34
105	Fast trace determination of nine odorant and estrogenic chloro- and bromo-phenolic compounds in real water samples through automated solid-phase extraction coupled with liquid chromatography tandem mass spectrometry. Environmental Science and Pollution Research, 2018, 25, 3813-3822.	5.3	34
106	Coupled Kinetics of Ferrihydrite Transformation and As(V) Sequestration under the Effect of Humic Acids: A Mechanistic and Quantitative Study. Environmental Science & Technology, 2018, 52, 11632-11641.	10.0	34
107	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.	7.5	34
108	Efficient degradation of sodium diclofenac via heterogeneous Fenton reaction boosted by Pd/Fe@Fe3O4 nanoparticles derived from bio-recovered palladium. Journal of Environmental Management, 2020, 260, 110072.	7.8	34

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109	Coupled Sorption and Oxidation of Soil Dissolved Organic Matter on Manganese Oxides: Nano/Sub-nanoscale Distribution and Molecular Transformation. Environmental Science & Technology, 2022, 56, 2783-2793.	10.0	34
110	Cd2+ adsorption performance of tunnel-structured manganese oxides driven by electrochemically controlled redox. Environmental Pollution, 2019, 244, 783-791.	7.5	33
111	Co-metabolic and biochar-promoted biodegradation of mixed PAHs by highly efficient microbial consortium QY1. Journal of Environmental Sciences, 2021, 107, 65-76.	6.1	33
112	Estimation of Water Solubility of Polycyclic Aromatic Hydrocarbons Using Quantum Chemical Descriptors and Partial Least Squares. QSAR and Combinatorial Science, 2008, 27, 618-626.	1.4	32
113	Mn₂O₃ hollow spheres synthesized based on an ion-exchange strategy from amorphous calcium carbonate for highly efficient trace-level uranyl extraction. Environmental Science: Nano, 2016, 3, 1254-1258.	4.3	32
114	Do estrogenic compounds in drinking water migrating from plastic pipe distribution system pose adverse effects to human? An analysis of scientific literature. Environmental Science and Pollution Research, 2017, 24, 2126-2134.	5.3	32
115	Characterization of a di-n-butyl phthalate-degrading bacterial consortium and its application in contaminated soil. Environmental Science and Pollution Research, 2018, 25, 17645-17653.	5.3	32
116	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.	8.0	32
117	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.	12.4	32
118	Effects of medical waste incineration fly ash on the promotion of heavy metal chlorination volatilization from incineration residues. Journal of Hazardous Materials, 2022, 425, 128037.	12.4	32
119	Levels of six antibiotics used in China estimated by means of wastewater-based epidemiology. Water Science and Technology, 2016, 73, 769-775.	2.5	31
120	Simultaneous determination of estrogenic odorant alkylphenols, chlorophenols, and their derivatives in water using online headspace solid phase microextraction coupled with gas chromatography-mass spectrometry. Environmental Science and Pollution Research, 2016, 23, 19116-19125.	5.3	31
121	Simultaneous determination of eleven estrogenic and odorous chloro- and bromo-phenolic compounds in surface water through an automated online headspace SPME followed by on-fiber derivatization coupled with GC-MS. Analytical Methods, 2017, 9, 4819-4827.	2.7	31
122	Effects of benzo [a] pyrene (BaP) on the composting and microbial community of sewage sludge. Chemosphere, 2019, 222, 517-526.	8.2	30
123	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.	10.0	30
124	Rapid debromination of polybrominated diphenyl ethers (PBDEs) by zero valent metal and bimetals: Mechanisms and pathways assisted by density function theory calculation. Environmental Pollution, 2018, 240, 745-753.	7.5	29
125	Molecular characteristics, proton dissociation properties, and metal binding properties of soil organic matter: A theoretical study. Science of the Total Environment, 2019, 656, 521-530.	8.0	29
126	Effects of nano bamboo charcoal on PAHs-degrading strain Sphingomonas sp. GY2B. Ecotoxicology and Environmental Safety, 2016, 125, 35-42.	6.0	28

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127	Debromination of polybrominated diphenyl ethers (PBDEs) by zero valent zinc: Mechanisms and predicting descriptors. Journal of Hazardous Materials, 2018, 352, 165-171.	12.4	28
128	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.	6.0	28
129	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.	12.4	28
130	Uptake and Distribution of Cd in Sweet Maize Grown on Contaminated Soils: A Field-Scale Study. Bioinorganic Chemistry and Applications, 2013, 2013, 1-8.	4.1	27
131	Enhanced photoelectrochemical degradation of Ibuprofen and generation of hydrogen via BiOI-deposited TiO2 nanotube arrays. Science of the Total Environment, 2018, 633, 1198-1205.	8.0	27
132	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.	12.4	27
133	Tea saponin enhanced biodegradation of decabromodiphenyl ether by Brevibacillus brevis. Chemosphere, 2014, 114, 255-261.	8.2	26
134	A new approach for pyrene bioremediation using bacteria immobilized in layer-by-layer assembled microcapsules: dynamics of soil bacterial community. RSC Advances, 2016, 6, 20654-20663.	3.6	26
135	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.	8.0	26
136	Molecular fractionation and sub-nanoscale distribution of dissolved organic matter on allophane. Environmental Science: Nano, 2019, 6, 2037-2048.	4.3	26
137	Acidity and metallic elements release from AMD-affected river sediments: Effect of AMD standstill and dilution. Environmental Research, 2020, 186, 109490.	7.5	26
138	Electrochemical adsorption of cadmium and arsenic by natural Fe-Mn nodules. Journal of Hazardous Materials, 2020, 390, 122165.	12.4	26
139	Reduction of acid mine drainage by passivation of pyrite surfaces: A review. Science of the Total Environment, 2022, 832, 155116.	8.0	26
140	Distribution, fractionation, and contamination assessment of heavy metals in paddy soil related to acid mine drainage. Paddy and Water Environment, 2017, 15, 553-562.	1.8	25
141	Effects of rhamnolipids on the cell surface characteristics of Sphingomonas sp. GY2B and the biodegradation of phenanthrene. RSC Advances, 2017, 7, 24321-24330.	3.6	25
142	Fe- and S-Metabolizing Microbial Communities Dominate an AMD-Contaminated River Ecosystem and Play Important Roles in Fe and S Cycling. Geomicrobiology Journal, 2017, 34, 695-705.	2.0	24
143	Sulfate-reducing bacteria in anaerobic bioprocesses: basic properties of pure isolates, molecular quantification, and controlling strategies. Environmental Technology Reviews, 2018, 7, 46-72.	4.3	24
144	Complexation of sulfamethazine with Cd(II) and Pb(II): implication for co-adsorption of SMT and Cd(II) on goethite. Environmental Science and Pollution Research, 2018, 25, 11576-11583.	5.3	24

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145	Biodegradation of tricresyl phosphate isomers by Brevibacillus brevis: Degradation pathway and metabolic mechanism. Chemosphere, 2019, 232, 195-203.	8.2	24
146	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.	8.0	24
147	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.	12.4	24
148	Amino-functionalized MIL-88B as heterogeneous photo-Fenton catalysts for enhancing tris-(2-chloroisopropyl) phosphate (TCPP) degradation: Dual excitation pathways accelerate the conversion of FeIII to FeII under visible light irradiation. Journal of Hazardous Materials, 2022, 425, 127782.	12.4	24
149	Sorption and photodegradation of tylosin and sulfamethazine by humic acid-coated goethite. RSC Advances, 2015, 5, 100464-100471.	3.6	23
150	Photodegradation of 4,4â€²-dibrominated diphenyl ether in Triton X-100 micellar solution. Chemosphere, 2017, 180, 423-429.	8.2	23
151	Biodegradation of 2,2â€²,4,4â€²-tetrabromodiphenyl ether (BDE-47) by Phanerochaete chrysosporium in the presence of Cd2+. Environmental Science and Pollution Research, 2017, 24, 11415-11424.	5.3	23
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