

Guining Lu

List of Publications by Year in descending order

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206
papers

5,892
citations

81743

39
h-index

133063

59
g-index

207
all docs

207
docs citations

207
times ranked

5600
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosorption of Cd(II) by live and dead cells of <i>Bacillus cereus</i> RC-1 isolated from cadmium-contaminated soil. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 107, 11-18.	2.5	174
2	Construction of an artificial microalgal-bacterial consortium that efficiently degrades crude oil. <i>Journal of Hazardous Materials</i> , 2010, 181, 1158-1162.	6.5	140
3	Removal of Natural Estrogens and Their Conjugates in Municipal Wastewater Treatment Plants: A Critical Review. <i>Environmental Science & Technology</i> , 2015, 49, 5288-5300.	4.6	137
4	A phenanthrene-degrading strain <i>Sphingomonas</i> sp. GY2B isolated from contaminated soils. <i>Process Biochemistry</i> , 2007, 42, 401-408.	1.8	128
5	Removal of sulphate from aqueous solution using modified rice straw: Preparation, characterization and adsorption performance. <i>Carbohydrate Polymers</i> , 2011, 85, 571-577.	5.1	122
6	Soil microplastic pollution in an e-waste dismantling zone of China. <i>Waste Management</i> , 2020, 118, 291-301.	3.7	121
7	Bioaccumulation characterization of cadmium by growing <i>Bacillus cereus</i> RC-1 and its mechanism. <i>Chemosphere</i> , 2014, 109, 134-142.	4.2	109
8	Drivers and applications of integrated clean-up technologies for surfactant-enhanced remediation of environments contaminated with polycyclic aromatic hydrocarbons (PAHs). <i>Environmental Pollution</i> , 2017, 225, 129-140.	3.7	95
9	Bacterial, archaeal, and fungal community responses to acid mine drainage-laden pollution in a rice paddy soil ecosystem. <i>Science of the Total Environment</i> , 2018, 616-617, 107-116.	3.9	93
10	Sulfate migration in a river affected by acid mine drainage from the Dabaoshan mining area, South China. <i>Chemosphere</i> , 2015, 119, 734-743.	4.2	83
11	Role of microbial activity in Fe(III) hydroxysulfate mineral transformations in an acid mine drainage-impacted site from the Dabaoshan Mine. <i>Science of the Total Environment</i> , 2018, 616-617, 647-657.	3.9	80
12	The double influence mechanism of pH on arsenic removal by nano zero valent iron: electrostatic interactions and the corrosion of Fe ⁰ . <i>Environmental Science: Nano</i> , 2017, 4, 1544-1552.	2.2	78
13	Photocatalytic removal of organic phosphate esters by TiO ₂ : Effect of inorganic ions and humic acid. <i>Chemosphere</i> , 2018, 206, 26-32.	4.2	75
14	Biosurfactant-enhanced phytoremediation of soils contaminated by crude oil using maize (<i>Zea mays</i> L.). <i>Ecological Engineering</i> , 2016, 92, 10-17.	1.6	68
15	Hexavalent chromium induced oxidative stress and apoptosis in <i>Pycnoporus sanguineus</i> . <i>Environmental Pollution</i> , 2017, 228, 128-139.	3.7	67
16	Degradation of tris(2-chloroethyl) phosphate (TCEP) in aqueous solution by using pyrite activating persulfate to produce radicals. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 667-674.	2.9	62
17	Bacterial communities on soil microplastic at Guiyu, an E-Waste dismantling zone of China. <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110521.	2.9	62
18	Electrochemical oxidation of pyrite in pH 2 electrolyte. <i>Electrochimica Acta</i> , 2017, 239, 25-35.	2.6	61

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19	OPFRs and BFRs induced A549 cell apoptosis by caspase-dependent mitochondrial pathway. <i>Chemosphere</i> , 2019, 221, 693-702.	4.2	60
20	Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics. <i>Environmental Science: Nano</i> , 2019, 6, 747-762.	2.2	59
21	Effect of surfactant amendment to PAHs-contaminated soil for phytoremediation by maize (<i>Zea mays</i>) Tj ETQq1 1 0.784314 µgBT /Ov	2.9	58
22	Bioremediation of triphenyl phosphate by <i>Brevibacillus brevis</i> : Degradation characteristics and role of cytochrome P450 monooxygenase. <i>Science of the Total Environment</i> , 2018, 627, 1389-1395.	3.9	57
23	Effect of 2, 2,4,4-tetrabromodiphenyl ether (BDE-47) and its metabolites on cell viability, oxidative stress, and apoptosis of HepG2. <i>Chemosphere</i> , 2018, 193, 978-988.	4.2	54
24	The behavior of chromium and arsenic associated with redox transformation of schwertmannite in AMD environment. <i>Chemosphere</i> , 2019, 222, 945-953.	4.2	54
25	Synthesis of silica-composited biochars from alkali-fused fly ash and agricultural wastes for enhanced adsorption of methylene blue. <i>Science of the Total Environment</i> , 2020, 729, 139055.	3.9	54
26	Influence of the co-exposure of microplastics and tetrabromobisphenol A on human gut: Simulation in vitro with human cell Caco-2 and gut microbiota. <i>Science of the Total Environment</i> , 2021, 778, 146264.	3.9	54
27	Effective capture of aqueous uranium from saline lake with magnesium-based binary and ternary layered double hydroxides. <i>Science of the Total Environment</i> , 2019, 677, 556-563.	3.9	51
28	Investigation of intermediate sulfur species during pyrite oxidation in the presence and absence of <i>Acidithiobacillus ferrooxidans</i> . <i>Hydrometallurgy</i> , 2017, 167, 58-65.	1.8	49
29	Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO ₂ nanocomposites: Mechanisms and pathways. <i>Environment International</i> , 2019, 127, 5-12.	4.8	49
30	Mineralogical characteristics of sediments and heavy metal mobilization along a river watershed affected by acid mine drainage. <i>PLoS ONE</i> , 2018, 13, e0190010.	1.1	48
31	Dissimilatory iron and sulfate reduction by native microbial communities using lactate and citrate as carbon sources and electron donors. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 524-531.	2.9	48
32	Rapid Degradation of Phenanthrene by Using <i>Sphingomonas</i> sp. GY2B Immobilized in Calcium Alginate Gel Beads. <i>International Journal of Environmental Research and Public Health</i> , 2009, 6, 2470-2480.	1.2	47
33	Competitive solubilization of low-molecular-weight polycyclic aromatic hydrocarbons mixtures in single and binary surfactant micelles. <i>Chemical Engineering Journal</i> , 2014, 244, 522-530.	6.6	47
34	Biodegradation of decabromodiphenyl ether (BDE-209) using a novel microbial consortium GY1: Cells viability, pathway, toxicity assessment, and microbial function prediction. <i>Science of the Total Environment</i> , 2019, 668, 958-965.	3.9	46
35	Multiregional input-output analysis for energy-water nexus: A case study of Pearl River Delta urban agglomeration. <i>Journal of Cleaner Production</i> , 2020, 262, 121255.	4.6	45
36	Removal of heavy metals from acid mine drainage using chicken eggshells in column mode. <i>Journal of Environmental Management</i> , 2017, 188, 1-8.	3.8	44

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37	Bioaccumulation and distribution of cadmium by Burkholderia cepacia GYP1 under oligotrophic condition and mechanism analysis at proteome level. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 162-169.	2.9	44
38	Proteomic mechanism of decabromodiphenyl ether (BDE-209) biodegradation by Microbacterium Y2 and its potential in remediation of BDE-209 contaminated water-sediment system. <i>Journal of Hazardous Materials</i> , 2020, 387, 121708.	6.5	44
39	Mechanisms and pathways of debromination of polybrominated diphenyl ethers (PBDEs) in various nano-zerovalent iron-based bimetallic systems. <i>Science of the Total Environment</i> , 2019, 661, 18-26.	3.9	42
40	Enhanced photocatalytic activity over Cd _{0.5} Zn _{0.5} S with stacking fault structure combined with Cu ²⁺ modified carbon nanotubes. <i>Applied Surface Science</i> , 2016, 365, 280-290.	3.1	41
41	Relative roles of H-atom transfer and electron transfer in the debromination of polybrominated diphenyl ethers by palladized nanoscale zerovalent iron. <i>Environmental Pollution</i> , 2017, 222, 331-337.	3.7	41
42	Cosolubilization of 4,4-dibromodiphenyl ether, naphthalene and pyrene mixtures in various surfactant micelles. <i>Chemical Engineering Journal</i> , 2015, 260, 74-82.	6.6	40
43	Fulvic acid induced the liberation of chromium from CrO ₄ ²⁻ -substituted schwertmannite. <i>Chemical Geology</i> , 2017, 475, 52-61.	1.4	40
44	Sample-preparation methods for direct and indirect analysis of natural estrogens. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 149-164.	5.8	39
45	Debromination of polybrominated diphenyl ethers (PBDEs) and their conversion to polybrominated dibenzofurans (PBDFs) by UV light: Mechanisms and pathways. <i>Journal of Hazardous Materials</i> , 2018, 354, 1-7.	6.5	39
46	Identification of novel pathways for biotransformation of tetrabromobisphenol A by Phanerochaete chrysosporium, combined with mechanism analysis at proteome level. <i>Science of the Total Environment</i> , 2019, 659, 1352-1361.	3.9	39
47	Biodegradation of single pyrene and mixtures of pyrene by a fusant bacterial strain F14. <i>International Biodeterioration and Biodegradation</i> , 2014, 87, 75-80.	1.9	38
48	Regeneration of iron-montmorillonite adsorbent as an efficient heterogeneous Fenton catalytic for degradation of Bisphenol A: Structure, performance and mechanism. <i>Chemical Engineering Journal</i> , 2017, 328, 737-747.	6.6	38
49	Pollution characteristics and assessment of sulfide tailings from the Dabaoshan Mine, China. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 122-128.	1.9	38
50	Enhanced bioremediation of 2,3,4,5-pentachlorodiphenyl by consortium GYB1 immobilized on sodium alginate-biochar. <i>Science of the Total Environment</i> , 2021, 788, 147774.	3.9	38
51	Effects of single and combined copper/perfluorooctane sulfonate on sequencing batch reactor process and microbial community in activated sludge. <i>Bioresource Technology</i> , 2017, 238, 407-415.	4.8	37
52	Characteristics and proteomic analysis of pyrene degradation by <i>Brevibacillus brevis</i> in liquid medium. <i>Chemosphere</i> , 2017, 178, 80-87.	4.2	37
53	Migration and fate of metallic elements in a waste mud impoundment and affected river downstream: A case study in Dabaoshan Mine, South China. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 474-483.	2.9	37
54	Reductive debromination of decabromodiphenyl ether by iron sulfide-coated nanoscale zerovalent iron: mechanistic insights from Fe(II) dissolution and solvent kinetic isotope effects. <i>Environmental Pollution</i> , 2019, 253, 161-170.	3.7	37

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55	Reductive dissolution of jarosite by a sulfate reducing bacterial community: Secondary mineralization and microflora development. <i>Science of the Total Environment</i> , 2019, 690, 1100-1109.	3.9	37
56	Effects of Pyrolysis Temperature and Holding Time on Physicochemical Properties of Swine-Manure-Derived Biochar. <i>Waste and Biomass Valorization</i> , 2020, 11, 613-624.	1.8	37
57	Comparative transcriptomic evidence for Tween80-enhanced biodegradation of phenanthrene by <i>Sphingomonas</i> sp. GY2B. <i>Science of the Total Environment</i> , 2017, 609, 1161-1171.	3.9	36
58	Modeling kinetics of heavy metal release from field-contaminated soils: Roles of soil adsorbents and binding sites. <i>Chemical Geology</i> , 2019, 506, 187-196.	1.4	36
59	Effect of phosphate on amorphous iron mineral generation and arsenic behavior in paddy soils. <i>Science of the Total Environment</i> , 2019, 657, 644-656.	3.9	35
60	Homogeneous photocatalytic degradation of sulfamethazine induced by Fe(III)-carboxylate complexes: Kinetics, mechanism and products. <i>Chemical Engineering Journal</i> , 2020, 402, 126122.	6.6	35
61	Formation and degradation of polybrominated dibenzofurans (PBDFs) in the UV photolysis of polybrominated diphenyl ethers (PBDEs) in various solutions. <i>Chemical Engineering Journal</i> , 2018, 337, 333-341.	6.6	34
62	Removal of triphenyl phosphate by nanoscale zerovalent iron (nZVI) activated bisulfite: Performance, surface reaction mechanism and sulfate radical-mediated degradation pathway. <i>Environmental Pollution</i> , 2020, 260, 113983.	3.7	34
63	Passivation of metal-sulfide tailings by covalent coating. <i>Minerals Engineering</i> , 2013, 42, 36-42.	1.8	33
64	Spatial and temporal distributions of sulfur species in paddy soils affected by acid mine drainage in Dabaoshan sulfide mining area, South China. <i>Geoderma</i> , 2016, 281, 21-29.	2.3	33
65	Co-metabolic and biochar-promoted biodegradation of mixed PAHs by highly efficient microbial consortium QY1. <i>Journal of Environmental Sciences</i> , 2021, 107, 65-76.	3.2	33
66	Estimation of Water Solubility of Polycyclic Aromatic Hydrocarbons Using Quantum Chemical Descriptors and Partial Least Squares. <i>QSAR and Combinatorial Science</i> , 2008, 27, 618-626.	1.5	32
67	Utilization of electrochemical impedance spectroscopy for monitoring pyrite oxidation in the presence and absence of <i>Acidithiobacillus ferrooxidans</i> . <i>Minerals Engineering</i> , 2011, 24, 833-838.	1.8	32
68	Characterization of a di-n-butyl phthalate-degrading bacterial consortium and its application in contaminated soil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 17645-17653.	2.7	32
69	Degradation of tris-(2-chloroisopropyl) phosphate via UV/TiO ₂ photocatalysis: kinetic, pathway, and security risk assessment of degradation intermediates using proteomic analyses. <i>Chemical Engineering Journal</i> , 2019, 374, 263-273.	6.6	32
70	Isolation of phenanthrene-degrading bacteria and characterization of phenanthrene metabolites. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 647-654.	1.7	31
71	Regulation of c-Myc and Bcl-2 Induced Apoptosis of Human Bronchial Epithelial Cells by Zinc Oxide Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 669-675.	0.5	30
72	Competitive solubilization of 4,4'-dibromodiphenyl ether, naphthalene, and pyrene mixtures in Triton X series surfactant micelles: The effect of hydrophilic chains. <i>Chemical Engineering Journal</i> , 2015, 274, 84-93.	6.6	30

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73	Effects of benzo [a] pyrene (BaP) on the composting and microbial community of sewage sludge. <i>Chemosphere</i> , 2019, 222, 517-526.	4.2	30
74	Rapid debromination of polybrominated diphenyl ethers (PBDEs) by zero valent metal and bimetals: Mechanisms and pathways assisted by density function theory calculation. <i>Environmental Pollution</i> , 2018, 240, 745-753.	3.7	29
75	Molecular characteristics, proton dissociation properties, and metal binding properties of soil organic matter: A theoretical study. <i>Science of the Total Environment</i> , 2019, 656, 521-530.	3.9	29
76	Accumulation of Hydrocarbons by Maize (<i>Zea mays</i> L.) in Remediation of Soils Contaminated with Crude Oil. <i>International Journal of Phytoremediation</i> , 2015, 17, 693-700.	1.7	28
77	Effects of nano bamboo charcoal on PAHs-degrading strain <i>Sphingomonas</i> sp. GY2B. <i>Ecotoxicology and Environmental Safety</i> , 2016, 125, 35-42.	2.9	28
78	Debromination of polybrominated diphenyl ethers (PBDEs) by zero valent zinc: Mechanisms and predicting descriptors. <i>Journal of Hazardous Materials</i> , 2018, 352, 165-171.	6.5	28
79	Uptake and Distribution of Cd in Sweet Maize Grown on Contaminated Soils: A Field-Scale Study. <i>Bioinorganic Chemistry and Applications</i> , 2013, 2013, 1-8.	1.8	27
80	Enhanced photoelectrochemical degradation of Ibuprofen and generation of hydrogen via BiOI-deposited TiO ₂ nanotube arrays. <i>Science of the Total Environment</i> , 2018, 633, 1198-1205.	3.9	27
81	Sulfidation enhanced reduction of polybrominated diphenyl ether and Pb(II) combined pollutants by nanoscale zerovalent iron: Competitive reaction between pollutants and electronic transmission mechanism. <i>Chemical Engineering Journal</i> , 2020, 395, 125085.	6.6	27
82	Removal of heavy metal ions and polybrominated biphenyl ethers by sulfurized nanoscale zerovalent iron: Compound effects and removal mechanism. <i>Journal of Hazardous Materials</i> , 2021, 414, 125555.	6.5	27
83	Distribution and diversity of bacterial communities and sulphate-reducing bacteria in a paddy soil irrigated with acid mine drainage. <i>Journal of Applied Microbiology</i> , 2016, 121, 196-206.	1.4	26
84	Oxidation degradation of tris-(2-chloroisopropyl) phosphate by ultraviolet driven sulfate radical: Mechanisms and toxicology assessment of degradation intermediates using flow cytometry analyses. <i>Science of the Total Environment</i> , 2019, 687, 732-740.	3.9	26
85	Acidity and metallic elements release from AMD-affected river sediments: Effect of AMD standstill and dilution. <i>Environmental Research</i> , 2020, 186, 109490.	3.7	26
86	Remediation of Cd-, Pb-, Cu-, and Zn-contaminated soil using cow bone meal and oyster shell meal. <i>Ecotoxicology and Environmental Safety</i> , 2022, 229, 113073.	2.9	26
87	Modeling and prediction of photolysis half-lives of polycyclic aromatic hydrocarbons in aerosols by quantum chemical descriptors. <i>Science of the Total Environment</i> , 2007, 373, 289-296.	3.9	25
88	Distribution, fractionation, and contamination assessment of heavy metals in paddy soil related to acid mine drainage. <i>Paddy and Water Environment</i> , 2017, 15, 553-562.	1.0	25
89	Effects of rhamnolipids on the cell surface characteristics of <i>Sphingomonas</i> sp. GY2B and the biodegradation of phenanthrene. <i>RSC Advances</i> , 2017, 7, 24321-24330.	1.7	25
90	Chromate(VI)-induced homogeneous oxidation and photolysis of aqueous tetracycline: Kinetics and mechanism. <i>Chemical Engineering Journal</i> , 2020, 379, 122276.	6.6	25

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91	Fe- and S-Metabolizing Microbial Communities Dominate an AMD-Contaminated River Ecosystem and Play Important Roles in Fe and S Cycling. <i>Geomicrobiology Journal</i> , 2017, 34, 695-705.	1.0	24
92	Biodegradation of tricresyl phosphate isomers by <i>Brevibacillus brevis</i> : Degradation pathway and metabolic mechanism. <i>Chemosphere</i> , 2019, 232, 195-203.	4.2	24
93	Biodegradation of triphenyl phosphate using an efficient bacterial consortium GYY: Degradation characteristics, metabolic pathway and 16S rRNA genes analysis. <i>Science of the Total Environment</i> , 2020, 713, 136598.	3.9	24
94	Kinetics and mechanisms of phenolic compounds by Ferrate(VI) assisted with density functional theory. <i>Journal of Hazardous Materials</i> , 2021, 415, 125563.	6.5	24
95	A collaborative strategy for elevated reduction and immobilization of Cr(VI) using nano zero valent iron assisted by schwertmannite: Removal performance and mechanism. <i>Journal of Hazardous Materials</i> , 2022, 422, 126952.	6.5	24
96	Removal of chromium (VI) from electroplating wastewater using an anion exchanger derived from rice straw. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 7-14.	1.2	23
97	Photodegradation of 4,4'-dibrominated diphenyl ether in Triton X-100 micellar solution. <i>Chemosphere</i> , 2017, 180, 423-429.	4.2	23
98	Biodegradation of 2,2',4,4'-tetrabromodiphenyl ether (BDE-47) by <i>Phanerochaete chrysosporium</i> in the presence of Cd ²⁺ . <i>Environmental Science and Pollution Research</i> , 2017, 24, 11415-11424.	2.7	23
99	The effects of nutrient amendment on biodegradation and cytochrome P450 activity of an n-alkane degrading strain of <i>Burkholderia</i> sp. GS3C. <i>Journal of Hazardous Materials</i> , 2011, 186, 978-983.	6.5	22
100	Cosolubilization synergism occurrence in codesorption of PAH mixtures during surfactant-enhanced remediation of contaminated soil. <i>Chemosphere</i> , 2016, 144, 583-590.	4.2	22
101	iTRAQ-based proteomic profiling of <i>Pycnoporus sanguineus</i> in response to co-existed tetrabromobisphenol A (TBBPA) and hexavalent chromium. <i>Environmental Pollution</i> , 2018, 242, 1758-1767.	3.7	22
102	QSPR STUDY ON DIRECT PHOTOLYSIS HALF-LIVES OF PAHs IN WATER SURFACE. <i>Journal of Theoretical and Computational Chemistry</i> , 2005, 04, 811-822.	1.8	21
103	Synergistic solubilization of low-brominated diphenyl ether mixtures in nonionic surfactant micelles. <i>Journal of Molecular Liquids</i> , 2016, 223, 252-260.	2.3	21
104	Bioremediation of triphenyl phosphate in river water microcosms: Proteome alteration of <i>Brevibacillus brevis</i> and cytotoxicity assessments. <i>Science of the Total Environment</i> , 2019, 649, 563-570.	3.9	21
105	Bacterial communities and functional genes stimulated during phenanthrene degradation in soil by bio-microcapsules. <i>Ecotoxicology and Environmental Safety</i> , 2021, 212, 111970.	2.9	21
106	Effects of methanol on the performance of a novel BDE-47 degrading bacterial consortium QY2 in the co-metabolism process. <i>Journal of Hazardous Materials</i> , 2021, 415, 125698.	6.5	21
107	Efficient removal of organophosphate esters by ligand functionalized MIL-101 (Fe): Modulated adsorption and DFT calculations. <i>Chemosphere</i> , 2022, 302, 134881.	4.2	21
108	Do we underestimate the concentration of estriol in raw municipal wastewater?. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4753-4758.	2.7	20

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109	Isotope geochemistry, hydrochemistry, and mineralogy of a river affected by acid mine drainage in a mining area, South China. <i>RSC Advances</i> , 2017, 7, 43310-43318.	1.7	20
110	Schwertmannite transformation via direct or indirect electron transfer by a sulfate reducing enrichment culture. <i>Environmental Pollution</i> , 2018, 242, 738-748.	3.7	20
111	Thiocyanate-induced labilization of schwertmannite: Impacts and mechanisms. <i>Journal of Environmental Sciences</i> , 2019, 80, 218-228.	3.2	20
112	Sulfate-reducing bacterial community shifts in response to acid mine drainage in the sediment of the Hengshi watershed, South China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2822-2834.	2.7	20
113	Effects of <i>Sphingomonas</i> sp. GY2B on the structure and physicochemical properties of stearic acid-modified montmorillonite in the biodegradation of phenanthrene. <i>Applied Clay Science</i> , 2018, 156, 36-44.	2.6	19
114	Transformation of cadmium-associated schwertmannite and subsequent element repartitioning behaviors. <i>Environmental Science and Pollution Research</i> , 2019, 26, 617-627.	2.7	19
115	Cellular changes of microbial consortium GY1 during decabromodiphenyl ether (BDE-209) biodegradation and identification of strains responsible for BDE-209 degradation in GY1. <i>Chemosphere</i> , 2020, 249, 126205.	4.2	19
116	Influence of co-existed tetrabromobisphenol A (TBBPA) and hexavalent chromium on the cellular characteristics of <i>Pycnoporus sanguineus</i> during their removal and reduction. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 388-398.	2.9	18
117	Pyrene biodegradation with layer-by-layer assembly bio-microcapsules. <i>Ecotoxicology and Environmental Safety</i> , 2017, 138, 9-15.	2.9	18
118	Debromination of polybrominated biphenyls (PBBs) by zero valent metals and iron-based bimetallic particles: Mechanisms, pathways and predicting descriptor. <i>Chemical Engineering Journal</i> , 2018, 351, 773-781.	6.6	18
119	Arsenic behavior during gallic acid-induced redox transformation of jarosite under acidic conditions. <i>Chemosphere</i> , 2020, 255, 126938.	4.2	18
120	Fate of oxalic-acid-intervened arsenic during Fe(II)-induced transformation of As(V)-bearing jarosite. <i>Science of the Total Environment</i> , 2020, 719, 137311.	3.9	18
121	Transcriptome profiling of <i>Pseudomonas aeruginosa</i> YH reveals mechanisms of 2, 2,4,4-tetrabrominated diphenyl ether tolerance and biotransformation. <i>Journal of Hazardous Materials</i> , 2021, 403, 124038.	6.5	18
122	Effects of aging on surface properties and endogenous copper and zinc leachability of swine manure biochar and its composite with alkali-fused fly ash. <i>Waste Management</i> , 2021, 126, 400-410.	3.7	18
123	Spatial distribution characteristics of the microbial community and multi-phase distribution of toxic metals in the geochemical gradients caused by acid mine drainage, South China. <i>Science of the Total Environment</i> , 2021, 774, 145660.	3.9	18
124	Photodebromination behaviors of polybrominated diphenyl ethers in methanol/water systems: Mechanisms and predicting descriptors. <i>Science of the Total Environment</i> , 2017, 595, 666-672.	3.9	17
125	Rate constants for the reaction of hydroxyl and sulfate radicals with organophosphorus esters (OPEs) determined by competition method. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 300-305.	2.9	17
126	Rules of thumb for assessing reductive dechlorination pathways of PCDDs in specific systems. <i>Journal of Hazardous Materials</i> , 2010, 177, 1145-1149.	6.5	16

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127	Bioremediation of Petroleum-Contaminated Acid Soil by a Constructed Bacterial Consortium Immobilized on Sawdust: Influences of Multiple Factors. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	16
128	Role of Dissolved Organic Matter in the Release of Chromium from Schwertmannite: Kinetics, Repartition, and Mechanisms. <i>Journal of Environmental Quality</i> , 2017, 46, 1088-1097.	1.0	16
129	Effects of surfactant on the degradation of 2,2,4,4-tetrabromodiphenyl ether (BDE-47) by nanoscale Ag/Fe particles: Kinetics, mechanisms and intermediates. <i>Environmental Pollution</i> , 2019, 245, 780-788.	3.7	16
130	Effect of nitrate on the phototreatment of Triton X-100 simulated washing waste containing 4,4-dibromodiphenyl ether: Kinetics, products and toxicity assessment. <i>Science of the Total Environment</i> , 2020, 732, 139247.	3.9	16
131	Degradation of trichloroethylene by photoelectrochemically activated persulfate. <i>Chemosphere</i> , 2020, 254, 126796.	4.2	16
132	Adsorption of Organic Compounds by Biomass Chars: Direct Role of Aromatic Condensation (Ring) Technology, 2021, 55, 1594-1603.	4.6	16
133	Estimated human excretion rates of natural estrogens calculated from their concentrations in raw municipal wastewater and its application. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9554-9562.	2.7	15
134	Photodegradation behaviors of polychlorinated biphenyls in methanol by UV-irradiation: Solvent adducts and sigmatropic arrangement. <i>Chemosphere</i> , 2018, 193, 861-868.	4.2	15
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