

Guining Lu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8126067/guining-lu-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

197
papers

3,713
citations

32
h-index

48
g-index

207
ext. papers

4,792
ext. citations

7.6
avg. IF

5.84
L-index

#	Paper	IF	Citations
197	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, 11-8	6	135
196	Construction of an artificial microalgal-bacterial consortium that efficiently degrades crude oil. <i>Journal of Hazardous Materials</i> , 2010 , 181, 1158-62	12.8	115
195	Removal of natural estrogens and their conjugates in municipal wastewater treatment plants: a critical review. <i>Environmental Science & Technology</i> , 2015 , 49, 5288-300	10.3	109
194	A phenanthrene-degrading strain <i>Sphingomonas</i> sp. GY2B isolated from contaminated soils. <i>Process Biochemistry</i> , 2007 , 42, 401-408	4.8	109
193	Removal of sulphate from aqueous solution using modified rice straw: Preparation, characterization and adsorption performance. <i>Carbohydrate Polymers</i> , 2011 , 85, 571-577	10.3	100
192	Bioaccumulation characterization of cadmium by growing <i>Bacillus cereus</i> RC-1 and its mechanism. <i>Chemosphere</i> , 2014 , 109, 134-42	8.4	77
191	Sulfate migration in a river affected by acid mine drainage from the Dabaoshan mining area, South China. <i>Chemosphere</i> , 2015 , 119, 734-743	8.4	65
190	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	10.2	65
189	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	9.3	61
188	Photocatalytic removal of organic phosphate esters by TiO ₂ : Effect of inorganic ions and humic acid. <i>Chemosphere</i> , 2018 , 206, 26-32	8.4	51
187	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	7.1	50
186	Soil microplastic pollution in an e-waste dismantling zone of China. <i>Waste Management</i> , 2020 , 118, 291-306	3.06	50
185	Biosurfactant-enhanced phytoremediation of soils contaminated by crude oil using maize (<i>Zea mays</i> L.). <i>Ecological Engineering</i> , 2016 , 92, 10-17	3.9	50
184	Hexavalent chromium induced oxidative stress and apoptosis in <i>Pycnoporus sanguineus</i> . <i>Environmental Pollution</i> , 2017 , 228, 128-139	9.3	48
183	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	10.2	46
182	Effect of surfactant amendment to PAHs-contaminated soil for phytoremediation by maize (<i>Zea mays</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2015 , 112, 1-6	7	45
181	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, 2470-80	4.6	42

180	Effect of 2, 2,5, 4-Tetrabromodiphenyl ether (BDE-47) and its metabolites on cell viability, oxidative stress, and apoptosis of HepG2. <i>Chemosphere</i> , 2018 , 193, 978-988	8.4	38
179	OPFRs and BFRs induced A549 cell apoptosis by caspase-dependent mitochondrial pathway. <i>Chemosphere</i> , 2019 , 221, 693-702	8.4	37
178	Mineralogical characteristics of sediments and heavy metal mobilization along a river watershed affected by acid mine drainage. <i>PLoS ONE</i> , 2018 , 13, e0190010	3.7	37
177	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	14.7	37
176	The behavior of chromium and arsenic associated with redox transformation of schwertmannite in AMD environment. <i>Chemosphere</i> , 2019 , 222, 945-953	8.4	36
175	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	7.1	35
174	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	4	35
173	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	9.3	34
172	Cosolubilization of 4,4'-dibromodiphenyl ether, naphthalene and pyrene mixtures in various surfactant micelles. <i>Chemical Engineering Journal</i> , 2015 , 260, 74-82	14.7	34
171	Bacterial communities on soil microplastic at Guiyu, an E-Waste dismantling zone of China. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 195, 110521	7	34
170	Electrochemical oxidation of pyrite in pH 2 electrolyte. <i>Electrochimica Acta</i> , 2017 , 239, 25-35	6.7	33
169	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	10.2	33
168	Fulvic acid induced the liberation of chromium from CrO ₄ ²⁻ -substituted schwertmannite. <i>Chemical Geology</i> , 2017 , 475, 52-61	4.2	33
167	Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO ₂ nanocomposites: Mechanisms and pathways. <i>Environment International</i> , 2019 , 127, 5-12	12.9	32
166	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	6.7	32
165	Sample-preparation methods for direct and indirect analysis of natural estrogens. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 64, 149-164	14.6	31
164	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	12.8	31
163	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	7	30

162	Biodegradation of single pyrene and mixtures of pyrene by a fusant bacterial strain F14. <i>International Biodeterioration and Biodegradation</i> , 2014 , 87, 75-80	4.8	29
161	Removal of heavy metals from acid mine drainage using chicken eggshells in column mode. <i>Journal of Environmental Management</i> , 2017 , 188, 1-8	7.9	28
160	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	10.2	28
159	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	10.2	28
158	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		28
157	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	7	27
156	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	6.7	27
155	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	7	27
154	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	14.7	27
153	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	14.7	26
152	Identification of novel pathways for biotransformation of tetrabromobisphenol A by <i>Phanerochaete chrysosporium</i> , combined with mechanism analysis at proteome level. <i>Science of the Total Environment</i> , 2019 , 659, 1352-1361	10.2	26
151	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	11	25
150	Characteristics and proteomic analysis of pyrene degradation by <i>Brevibacillus brevis</i> in liquid medium. <i>Chemosphere</i> , 2017 , 178, 80-87	8.4	25
149	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	10.2	25
148	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	14.7	25
147	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	14.7	25
146	Pollution characteristics and assessment of sulfide tailings from the Dabaoshan Mine, China. <i>International Biodeterioration and Biodegradation</i> , 2018 , 128, 122-128	4.8	25
145	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	4.9	25

144	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, 669-75	4	25
143	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	10.2	24
142	Passivation of metal-sulfide tailings by covalent coating. <i>Minerals Engineering</i> , 2013 , 42, 36-42	4.9	24
141	Isolation of phenanthrene-degrading bacteria and characterization of phenanthrene metabolites. <i>World Journal of Microbiology and Biotechnology</i> , 2007 , 23, 647-654	4.4	24
140	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	10.3	24
139	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	10.2	24
138	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	10.2	23
137	Effects of nano bamboo charcoal on PAHs-degrading strain <i>Sphingomonas</i> sp. GY2B. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 125, 35-42	7	22
136	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	10.2	22
135	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, 289-96	10.2	22
134	Debromination of polybrominated diphenyl ethers (PBDEs) by zero valent zinc: Mechanisms and predicting descriptors. <i>Journal of Hazardous Materials</i> , 2018 , 352, 165-171	12.8	21
133	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	4.7	21
132	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	9.3	21
131	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	1.6	20
130	Uptake and distribution of cd in sweet maize grown on contaminated soils: a field-scale study. <i>Bioinorganic Chemistry and Applications</i> , 2013 , 2013, 959764	4.2	20
129	Proteomic mechanism of decabromodiphenyl ether (BDE-209) biodegradation by <i>Microbacterium</i> Y2 and its potential in remediation of BDE-209 contaminated water-sediment system. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121708	12.8	20
128	Do we underestimate the concentration of estriol in raw municipal wastewater?. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4753-8	5.1	19
127	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	9.3	19

126	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	2.6	19
125	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	19
124	Photodegradation of 4,4Sdibrominated diphenyl ether in Triton X-100 micellar solution. <i>Chemosphere</i> , 2017 , 180, 423-429	8.4	18
123	The effects of nutrient amendment on biodegradation and cytochrome P450 activity of an n-alkane degrading strain of Burkholderia sp. GS3C. <i>Journal of Hazardous Materials</i> , 2011 , 186, 978-83	12.8	18
122	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	4.2	18
121	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	3.2	18
120	Cosolubilization synergism occurrence in codesorption of PAH mixtures during surfactant-enhanced remediation of contaminated soil. <i>Chemosphere</i> , 2016 , 144, 583-90	8.4	17
119	Effects of benzo [a] pyrene (BaP) on the composting and microbial community of sewage sludge. <i>Chemosphere</i> , 2019 , 222, 517-526	8.4	17
118	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	10.2	17
117	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	7	17
116	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	2.5	17
115	Accumulation of Hydrocarbons by Maize (Zea mays L.) in Remediation of Soils Contaminated with Crude Oil. <i>International Journal of Phytoremediation</i> , 2015 , 17, 693-700	3.9	17
114	Synergistic solubilization of low-brominated diphenyl ether mixtures in nonionic surfactant micelles. <i>Journal of Molecular Liquids</i> , 2016 , 223, 252-260	6	17
113	Effects of rhamnolipids on the cell surface characteristics of Sphingomonas sp. GY2B and the biodegradation of phenanthrene. <i>RSC Advances</i> , 2017 , 7, 24321-24330	3.7	16
112	Pyrene biodegradation with layer-by-layer assembly bio-microcapsules. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 9-15	7	16
111	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	9.3	16
110	Enhanced photoelectrochemical degradation of Ibuprofen and generation of hydrogen via BiOI-deposited TiO nanotube arrays. <i>Science of the Total Environment</i> , 2018 , 633, 1198-1205	10.2	16
109	Biodegradation of 2,2,5,4-Tetrabromodiphenyl ether (BDE-47) by Phanerochaete chrysosporium in the presence of Cd. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 11415-11424	5.1	15

108	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	3.4	15
107	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	7	14
106	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	14.7	14
105	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	3.7	14
104	Rules of thumb for assessing reductive dechlorination pathways of PCDDs in specific systems. <i>Journal of Hazardous Materials</i> , 2010 , 177, 1145-9	12.8	14
103	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	10.2	14
102	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	9.3	14
101	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	10.2	14
100	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	10.2	13
99	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, 9554-62	5.1	13
98	Homogeneous photocatalytic degradation of sulfamethazine induced by Fe(III)-carboxylate complexes: Kinetics, mechanism and products. <i>Chemical Engineering Journal</i> , 2020 , 402, 126122	14.7	13
97	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	5.2	13
96	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	9.3	13
95	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	10.2	12
94	A fusant of <i>Sphingomonas</i> sp. GY2B and <i>Pseudomonas</i> sp. GP3A with high capacity of degrading phenanthrene. <i>World Journal of Microbiology and Biotechnology</i> , 2013 , 29, 1685-94	4.4	12
93	Dechlorination pathways of diverse chlorinated aromatic pollutants conducted by <i>Dehalococcoides</i> sp. strain CBDB1. <i>Science of the Total Environment</i> , 2010 , 408, 2549-54	10.2	12
92	Kinetics and mechanisms of phenolic compounds by Ferrate(VI) assisted with density functional theory. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125563	12.8	12
91	Acidity and metallic elements release from AMD-affected river sediments: Effect of AMD standstill and dilution. <i>Environmental Research</i> , 2020 , 186, 109490	7.9	11

90	Photodegradation of 2,4,4-Tribrominated diphenyl ether in various surfactant solutions: kinetics, mechanisms and intermediates. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 806-812	4.3	11
89	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	2.6	11
88	Schwertmannite transformation via direct or indirect electron transfer by a sulfate reducing enrichment culture. <i>Environmental Pollution</i> , 2018 , 242, 738-748	9.3	11
87	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	10.2	11
86	Thiocyanate-induced labilization of schwertmannite: Impacts and mechanisms. <i>Journal of Environmental Sciences</i> , 2019 , 80, 218-228	6.4	11
85	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	7	11
84	Chromate(VI)-induced homogeneous oxidation and photolysis of aqueous tetracycline: Kinetics and mechanism. <i>Chemical Engineering Journal</i> , 2020 , 379, 122276	14.7	11
83	Photodegradation behaviors of polychlorinated biphenyls in methanol by UV-irradiation: Solvent adducts and sigmatropic arrangement. <i>Chemosphere</i> , 2018 , 193, 861-868	8.4	11
82	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	14.7	11
81	Biodegradation of tricresyl phosphate isomers by <i>Brevibacillus brevis</i> : Degradation pathway and metabolic mechanism. <i>Chemosphere</i> , 2019 , 232, 195-203	8.4	10
80	Arsenic behavior during gallic acid-induced redox transformation of jarosite under acidic conditions. <i>Chemosphere</i> , 2020 , 255, 126938	8.4	10
79	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	5.1	10
78	Electrokinetic-Enhanced Remediation of Phenanthrene-Contaminated Soil Combined with <i>Sphingomonas</i> sp. GY2B and Biosurfactant. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 1325-38	3.2	10
77	Adsorption of Organic Compounds by Biomass Chars: Direct Role of Aromatic Condensation (Ring Cluster Size) Revealed by Experimental and Theoretical Studies. <i>Environmental Science & Technology</i> , 2021 , 55, 1594-1603	10.3	10
76	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	10.2	9
75	Degradation of trichloroethylene by photoelectrochemically activated persulfate. <i>Chemosphere</i> , 2020 , 254, 126796	8.4	9
74	Quantitative Structure-Activity Relationships for Enzymatic Activity of Chloroperoxidase on Metabolizing Organophosphorus Pesticides. <i>QSAR and Combinatorial Science</i> , 2007 , 26, 182-188		9
73	Debromination of 2,2,5,4,4-Tetrabromodiphenyl ether (BDE-47) by synthetic Pd/Fe and Cu/Fe in different protic solvents. <i>Chemosphere</i> , 2018 , 212, 946-953	8.4	9

72	Pyrene Degradation by Mycobacterium gilvum: Metabolites and Proteins Involved. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	8
71	A bio-hybrid material for adsorption and degradation of phenanthrene: bacteria immobilized on sawdust coated with a silica layer. <i>RSC Advances</i> , 2016 , 6, 107189-107199	3.7	8
70	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	8.6	8
69	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	12.8	8
68	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	6.4	8
67	Ecological risk assessment of trace metals and comprehensive contamination indicators in the coastal waters of Macao, South China Sea. <i>Marine Pollution Bulletin</i> , 2020 , 154, 110718	6.7	7
66	Cadmium-induced stress response of Phanerochaete chrysosporium during the biodegradation of 2,2',4,4'-tetrabromodiphenyl ether (BDE-47). <i>Ecotoxicology and Environmental Safety</i> , 2018 , 154, 45-51	7	7
65	Estimation of n-octanol/water partition coefficients of polycyclic aromatic hydrocarbons by quantum chemical descriptors. <i>Open Chemistry</i> , 2008 , 6, 310-318	1.6	7
64	Transformation of cadmium-associated schwertmannite and subsequent element repartitioning behaviors. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 617-627	5.1	7
63	Degradation mechanism, intermediates and toxicology assessment of tris-(2-chloroisopropyl) phosphate using ultraviolet activated hydrogen peroxide. <i>Chemosphere</i> , 2020 , 241, 124991	8.4	7
62	Modeling coupled kinetics of antimony adsorption/desorption and oxidation on manganese oxides. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1691-1696	4.3	7
61	Microbial Reduction of Cr (VI)-loaded Schwertmannite by Shewanella oneidensis MR-1. <i>Geomicrobiology Journal</i> , 2018 , 35, 727-734	2.5	7
60	Enhanced bioremediation of 2,3,5,4',5'-pentachlorodiphenyl by consortium GYB1 immobilized on sodium alginate-biochar. <i>Science of the Total Environment</i> , 2021 , 788, 147774	10.2	7
59	The Effect of Pollination on Cd Phytoextraction From Soil by Maize (Zea mays L.). <i>International Journal of Phytoremediation</i> , 2015 , 17, 945-50	3.9	6
58	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	10.2	6
57	Effect of Cu(II) on the stability of oxyanion-substituted schwertmannite. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 15492-15506	5.1	6
56	Effects of interaction between montmorillonite and Sphingomonas sp. GY2B on the physical and chemical properties of montmorillonite in the clay-modulated biodegradation of phenanthrene. <i>Environmental Chemistry</i> , 2018 , 15, 296	3.2	6
55	Photocatalytic degradation of polybrominated biphenyls (PBBs) on metal doped TiO ₂ nanocomposites in aqueous environments: mechanisms and solution effects. <i>Environmental Science: Nano</i> , 2019 , 6, 1111-1120	7.1	6

54	Modeling Sorptive Fractionation of Organic Matter at the Mineral-Water Interface. <i>Soil Science Society of America Journal</i> , 2019 , 83, 107-117	2.5	5
53	Solubilization of 4,4'-Dibromodiphenyl ether under combined TX-100 and cosolvents. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 3856-64	5.1	5
52	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	8.4	5
51	Effects of eggshell addition on calcium-deficient acid soils contaminated with heavy metals. <i>Frontiers of Environmental Science and Engineering</i> , 2018 , 12, 1	5.8	5
50	Estimation of n-Octanol/Water Partition Coefficients (log K _{OW}) of Polychlorinated Biphenyls by Using Quantum Chemical Descriptors and Partial Least Squares. <i>Journal of Chemistry</i> , 2013 , 2013, 1-8	2.3	5
49	Kinetics and Mechanism of Cr(VI) Sorption from Aqueous Solution on a Modified Lignocellulosic Material. <i>Environmental Engineering Science</i> , 2013 , 30, 672-680	2	5
48	Bacterial communities and functional genes stimulated during phenanthrene degradation in soil by bio-microcapsules. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 212, 111970	7	5
47	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	10.2	5
46	Simultaneous adsorption of Cd and photocatalytic degradation of tris-(2-chloroisopropyl) phosphate (TCPP) by mesoporous TiO ₂ . <i>Chemosphere</i> , 2021 , 267, 129238	8.4	5
45	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	5.1	5
44	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	12.8	5
43	Elucidation of desferrioxamine B on the liberation of chromium from schwertmannite. <i>Chemical Geology</i> , 2019 , 513, 133-142	4.2	4
42	Degradation of 2,2',4,4'-Tetrabromodiphenyl ether by <i>Pycnoporus sanguineus</i> in the presence of copper ions. <i>Journal of Environmental Sciences</i> , 2019 , 83, 133-143	6.4	4
41	The formation pathways of polybrominated dibenzo-p-dioxins and dibenzofurans (PBDD/Fs) from pyrolysis of polybrominated diphenyl ethers (PBDEs): Effects of bromination arrangement and level. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123004	12.8	4
40	Determination of decabrominated diphenyl ether in soils by Soxhlet extraction and high performance liquid chromatography. <i>Scientific World Journal</i> , 2013 , 2013, 840376	2.2	4
39	ESTIMATION OF SOIL SORPTION COEFFICIENTS OF POLYCYCLIC AROMATIC HYDROCARBONS BY QUANTUM CHEMICAL DESCRIPTORS. <i>Journal of Theoretical and Computational Chemistry</i> , 2008 , 07, 67-79	1.8	4
38	Oxalate-Induced Photoreduction Dissolution and Transformation of Schwertmannite: Change of Mineral Phase and Elemental Fate. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 2031-2040	3.2	4
37	Photoassisted degradation of 2,2',4,4'-Tetrabrominated diphenyl ether in simulated soil washing system containing Triton X series surfactants. <i>Environmental Pollution</i> , 2020 , 265, 115005	9.3	4

36	Mobilization of arsenic during reductive dissolution of As(V)-bearing jarosite by a sulfate reducing bacterium. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123717	12.8	4
35	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	12.8	4
34	Debromination of polybrominated diphenyl ethers (PBDEs) by palladized zerovalent zinc particles: Influence factors, pathways and mechanism. <i>Chemosphere</i> , 2020 , 253, 126726	8.4	3
33	Experimental and theoretical investigations on debromination pathways of polybrominated biphenyls (PBBs) under ultraviolet light. <i>Chemosphere</i> , 2018 , 212, 1-7	8.4	3
32	Biodegradation kinetics of phenanthrene by a fusant strain. <i>Current Microbiology</i> , 2012 , 65, 225-30	2.4	3
31	QUANTITATIVE STRUCTURE-PROPERTY RELATIONSHIPS ON DISSOLVABILITY OF PCDD/Fs USING QUANTUM CHEMICAL DESCRIPTORS AND PARTIAL LEAST SQUARES. <i>Journal of Theoretical and Computational Chemistry</i> , 2010 , 09, 9-22	1.8	3
30	Modeling coupled kinetics of arsenic adsorption/desorption and oxidation in ferrihydrite-Mn(II)/manganese (oxyhydr)oxides systems. <i>Chemosphere</i> , 2020 , 244, 125517	8.4	3
29	Application of Ag/TiO ₂ in photocatalytic degradation of 2,2',4,4'-tetrabromodiphenyl ether in simulated washing waste containing Triton X-100. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105077	6.8	3
28	Photochemical reactivity of nitrogen-doped biochars under simulated sunlight irradiation: Generation of singlet oxygen. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124547	12.8	3
27	Reductive dissolution of Pb-Zn jarosite under near-neutral conditions. <i>Chemical Geology</i> , 2021 , 579, 120338	3	3
26	Spatial and temporal variations of Cu and Cd mobility and their controlling factors in pore water of contaminated paddy soil under acid mine drainage: A laboratory column study. <i>Science of the Total Environment</i> , 2021 , 792, 148523	10.2	3
25	Photocatalysis of Tris-(2-chloroethyl) phosphate by ultraviolet driven peroxymonosulfate oxidation process: Removal performance, energy evaluation and toxicity on bacterial metabolism network. <i>Chemical Engineering Journal</i> , 2021 , 423, 130261	14.7	3
24	Co-metabolic degradation of tetrabromobisphenol A by <i>Pseudomonas aeruginosa</i> and its auto-poisoning effect caused during degradation process. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110919	7	2
23	ESTIMATION OF DISSOLVABILITY OF CHLORIC AND ALKYL BENZENE DERIVATIVES USING QUANTUM CHEMICAL DESCRIPTORS AND PARTIAL LEAST SQUARES. <i>Journal of Theoretical and Computational Chemistry</i> , 2008 , 07, 989-999	1.8	2
22	Rapid biodegradation of 2,2',4,4'-tetrabromodiphenyl ether (BDE-47) by <i>Achromobacter xylosoxidans</i> GYP4162, 353-363		2
21	Soil rehabilitation shaped different patterns of bacterial and archaeal community in AMD-irrigated paddy soil. <i>Chemosphere</i> , 2021 , 263, 128259	8.4	2
20	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	12.8	2
19	Decontamination of dense nonaqueous-phase liquids in groundwater using pump-and-treat and chemical oxidation processes: a field test.. <i>RSC Advances</i> , 2021 , 11, 4237-4246	3.7	2

18	Mechanisms of Cr(VI) adsorption on schwertmannite under environmental disturbance: Changes in surface complex structures. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125781	12.8	2
17	Enhanced tris-(2-chloroisopropyl) phosphate degradation through ultraviolet driven peroxymonosulfate process: Kinetics, mechanism, residual toxicity assessment of intermediates products by proteomics. <i>Science of the Total Environment</i> , 2021 , 786, 147583	10.2	2
16	Degradation of Tris (2-Chloroethyl) Phosphate via UV/Fe(III) Photocatalysis: Kinetics, Products, and Toxicity Assessment. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	2
15	Integrated ecological risk assessment of heavy metals in an oil shale mining area after restoration. <i>Journal of Environmental Management</i> , 2021 , 300, 113797	7.9	2
14	Remediation of Cd-, Pb-, Cu-, and Zn-contaminated soil using cow bone meal and oyster shell meal.. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 229, 113073	7	1
13	Degradation of tris(2-chloroethyl) phosphate (TCEP) by thermally activated persulfate: Combination of experimental and theoretical study. <i>Science of the Total Environment</i> , 2021 , 809, 152185	10.2	1
12	Effects of adsorbed phosphate on jarosite reduction by a sulfate reducing bacterium and associated mineralogical transformation. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110921	7	1
11	Arsenic Partitioning during Schwertmannite Dissolution and Recrystallization in the Presence of Fe(II) and Oxalic Acid. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 1058-1070	3.2	1
10	Mechanism and formation process of schwertmannite under electrochemical deposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126366	5.1	1
9	Effects of ferric ion on the photo-treatment of nonionic surfactant Brij35 washing waste containing 2,2',4,4'-tetrabromodiphenyl ether. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125572	12.8	1
8	Sulfate migration and transformation characteristics in paddy soil profile affected by acid mine drainage. <i>Environmental Research</i> , 2021 , 200, 111732	7.9	1
7	Improved extraction of acid-insoluble monosulfide minerals by stannous chloride reduction and its application to the separation of mono- and disulfide minerals in the presence of ferric iron. <i>Science of the Total Environment</i> , 2021 , 785, 147367	10.2	1
6	Efficient removal of organophosphate esters by ligand functionalized MIL-101 (Fe): Modulated adsorption and DFT calculations.. <i>Chemosphere</i> , 2022 , 302, 134881	8.4	1
5	Hierarchical health risk assessment and influence factors of an ecological post-restoration oil shale mining area based on metal bioavailability.. <i>Science of the Total Environment</i> , 2022 , 821, 153480	10.2	0
4	Differential regulation and the underlying mechanisms of clay minerals to Escherichia coli under the stress of polymyxin B: Comparing halloysite with kaolinite. <i>Chemosphere</i> , 2021 , 265, 129095	8.4	0
3	Photodegradation of Decabrominated Diphenyl Ether in Soil Suspensions: Kinetics, Mechanisms and Intermediates. <i>Processes</i> , 2022 , 10, 718	2.9	0
2	Spatial and temporal variations of metal fractions in paddy soil flooding with acid mine drainage.. <i>Environmental Research</i> , 2022 , 212, 113241	7.9	0
1	Effect of anthraquinone-2,6-disulfonate on the photolysis of 2,4,4-tribromophenylphenyl ether. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 908-915	4.2	

