

Qi Liao

List of Publications by Year in descending order

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45
papers

1,350
citations

304743

22
h-index

345221

36
g-index

45
all docs

45
docs citations

45
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metals and metalloids in the surface sediments of the Xiangjiang River, Hunan, China: distribution, contamination, and ecological risk assessment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 874-885.	5.3	170
2	Highly effective stabilization of Cd and Cu in two different soils and improvement of soil properties by multiple-modified biochar. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111294.	6.0	81
3	Strong synergistic effect of Co ₃ O ₄ encapsulated in nitrogen-doped carbon nanotubes on the nonradical-dominated persulfate activation. <i>Carbon</i> , 2020, 158, 172-183.	10.3	77
4	Reductive materials for remediation of hexavalent chromium contaminated soil – A review. <i>Science of the Total Environment</i> , 2021, 773, 145654.	8.0	75
5	Combination of biological pretreatment with NaOH/Urea pretreatment at cold temperature to enhance enzymatic hydrolysis of rice straw. <i>Bioresource Technology</i> , 2015, 198, 725-731.	9.6	66
6	Combination of bioleaching by gross bacterial biosurfactants and flocculation: A potential remediation for the heavy metal contaminated soils. <i>Chemosphere</i> , 2018, 206, 83-91.	8.2	56
7	High-resolution analyses reveal structural diversity patterns of microbial communities in Chromite Ore Processing Residue (COPR) contaminated soils. <i>Chemosphere</i> , 2017, 183, 266-276.	8.2	49
8	Simultaneous immobilization of cadmium and lead in contaminated soils by hybrid bio-nanocomposites of fungal hyphae and nano-hydroxyapatites. <i>Environmental Science and Pollution Research</i> , 2018, 25, 11970-11980.	5.3	45
9	Combination of microbial oxidation and biogenic schwertmannite immobilization: A potential remediation for highly arsenic-contaminated soil. <i>Chemosphere</i> , 2017, 181, 1-8.	8.2	43
10	Bacterial community dynamics during bioremediation of Cr(VI)-contaminated soil. <i>Applied Soil Ecology</i> , 2015, 85, 50-55.	4.3	39
11	Dynamic proteome responses to sequential reduction of Cr(VI) and adsorption of Pb(II) by <i>Pannonibacter phragmitetus</i> BB. <i>Journal of Hazardous Materials</i> , 2020, 386, 121988.	12.4	39
12	Discerning three novel chromate reduce and transport genes of highly efficient <i>Pannonibacter phragmitetus</i> BB: From genome to gene and protein. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 139-146.	6.0	38
13	Treatment of Cr(VI) contaminated water with <i>Pannonibacter phragmitetus</i> BB. <i>Environmental Earth Sciences</i> , 2014, 71, 4333-4339.	2.7	36
14	Cr(VI) reduction in chromium-contaminated soil by indigenous microorganisms under aerobic condition. <i>Transactions of Nonferrous Metals Society of China</i> , 2019, 29, 1304-1311.	4.2	36
15	Structure-dependent catalysis of Co ₃ O ₄ crystals in persulfate activation via nonradical pathway. <i>Applied Surface Science</i> , 2020, 525, 146482.	6.1	36
16	Simultaneous adsorption of As(III), Cd(II) and Pb(II) by hybrid bio-nanocomposites of nano hydroxy ferric phosphate and hydroxy ferric sulfate particles coating on <i>Aspergillus niger</i> . <i>Chemosphere</i> , 2019, 223, 551-559.	8.2	34
17	Structural and Genetic Diversity of Hexavalent Chromium-Resistant Bacteria in Contaminated Soil. <i>Geomicrobiology Journal</i> , 2016, 33, 222-229.	2.0	33
18	Characteristics, kinetics, thermodynamics and long-term effects of zerovalent iron/pyrite in remediation of Cr(VI)-contaminated soil. <i>Environmental Pollution</i> , 2021, 289, 117830.	7.5	30

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19	Influence of synthesis variables of a sol-gel process on the properties of mesoporous alumina and their fluoride adsorption. <i>Materials Chemistry and Physics</i> , 2020, 242, 122499.	4.0	25
20	Multivariate Analyses and Human Health Assessments of Heavy Metals for Surface Water Quality in the Xiangjiang River Basin, China. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1645-1657.	4.3	24
21	Synergistic chromium(VI) reduction and phenol oxidative degradation by FeS ₂ /FeO and persulfate. <i>Chemosphere</i> , 2021, 281, 130957.	8.2	24
22	A Comparative Evaluation of Different Sediment Quality Guidelines for Metal and Metalloid Pollution in the Xiangjiang River, Hunan, China. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 73, 593-606.	4.1	23
23	Enhanced adsorption-coupled reduction of hexavalent chromium by 2D poly(m-phenylenediamine)-functionalized reduction graphene oxide. <i>Environmental Science and Pollution Research</i> , 2019, 26, 31099-31110.	5.3	23
24	Simultaneous immobilization of Pb, Cd and As in soil by hybrid iron-, sulfate- and phosphate-based bio-nanocomposite: Effectiveness, long-term stability and bioavailability/bioaccessibility evaluation. <i>Chemosphere</i> , 2021, 266, 128960.	8.2	23
25	Enhanced chloride removal of phosphorus doping in carbon material for capacitive deionization: Experimental measurement and theoretical calculation. <i>Science of the Total Environment</i> , 2020, 720, 137637.	8.0	21
26	Arsenic(III) biotransformation to tooeleite associated with the oxidation of Fe(II) via <i>Acidithiobacillus ferrooxidans</i> . <i>Chemosphere</i> , 2020, 248, 126080.	8.2	21
27	Response of <i>Cupriavidus basilensis</i> B-8 to CuO nanoparticles enhances Cr(VI) reduction. <i>Science of the Total Environment</i> , 2019, 688, 46-55.	8.0	20
28	Seasonal and spatial contamination statuses and ecological risk of sediment cores highly contaminated by heavy metals and metalloids in the Xiangjiang River. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1617-1633.	3.4	20
29	Multidimensional pollution and potential ecological and health risk assessments of radionuclides and metals in the surface soils of a uranium mine in East China. <i>Journal of Soils and Sediments</i> , 2020, 20, 775-791.	3.0	17
30	Assessment of the stability of chromium in remedied soils by <i>Pannonibacter phragmitetus</i> BB and its risk to groundwater. <i>Journal of Soils and Sediments</i> , 2014, 14, 1098-1106.	3.0	15
31	Distribution and Behavior of Arsenic During the Reducing-Matting Smelting Process. <i>Jom</i> , 2017, 69, 1077-1083.	1.9	15
32	Formation of one-dimensional composites of poly(m-phenylenediamine)s based on <i>Streptomyces</i> for adsorption of hexavalent chromium. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 1411-1422.	3.5	12
33	Optimization of bioleaching high-fluorine and low-sulfur uranium ore by response surface method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 781-790.	1.5	12
34	Enhanced uranium bioleaching high-fluorine and low-sulfur uranium ore by a mesophilic acidophilic bacterial consortium with pyrite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 711-722.	1.5	11
35	The role of extracellular polymeric substances (EPS) in the reduction of Cr(VI) by <i>Pannonibacter phragmitetus</i> BB. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106163.	6.7	11
36	Performance and mechanisms of microwave-assisted zerovalent iron/pyrite for advance remediation of strongly alkaline high Cr(VI) contaminated soil. <i>Environmental Pollution</i> , 2022, 298, 118855.	7.5	11

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37	Systematic Assessment of Health Risk from Metals in Surface Sediment of the Xiangjiang River, China. International Journal of Environmental Research and Public Health, 2020, 17, 1677.	2.6	8
38	Formation, stability and mobility of soluble Cr(III) during Cr(VI) reduction by Pannonibacter phragmitetus BB. Environmental Technology and Innovation, 2022, 27, 102496.	6.1	7
39	Formation and stability of biogenic tooeleite during Fe(II) oxidation by Acidithiobacillus ferrooxidans. Materials Science and Engineering C, 2020, 111, 110755.	7.3	5
40	Biodegradation of di-n-octyl phthalate by <i>Gordonia</i> sp. Lff and its application in soil. Environmental Technology (United Kingdom), 2022, 43, 2604-2611.	2.2	4
41	Interaction of pyrite with zerovalent iron with superior reductive ability via Fe(II) regeneration. Environmental Science: Nano, 2022, 9, 2713-2725.	4.3	4
42	Surface water quality and potential health risk assessments in Changsha-Zhuzhou-Xiangtan section of Xiangjiang River, China. Journal of Central South University, 2019, 26, 3252-3260.	3.0	3
43	Assessment of water quality and safety based on multi-statistical analyses of nutrients, biochemical indexes and heavy metals. Journal of Central South University, 2020, 27, 1211-1223.	3.0	3
44	Isolation and Identification of Two Novel Alkaligenous Arsenic(III)-Oxidizing Bacteria From a Realgar Mine, China. Clean - Soil, Air, Water, 2017, 45, .	1.1	3
45	Yeast Extract Affecting the Transformation of Biogenic Tooeleite and Its Stability. Applied Sciences (Switzerland), 2022, 12, 3290.	2.5	2