

Guangfei Liu

List of Publications by Year in descending order

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60
papers

2,006
citations

218677

26
h-index

254184

43
g-index

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all docs

60
docs citations

60
times ranked

2480
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of peroxydisulfate by biogenic nanocomposites of reduced graphene oxide and goethite for non-radical selective oxidation of organic contaminants: Production of singlet oxygen and direct electron transfer. <i>Chemical Engineering Journal</i> , 2022, 430, 133177.	12.7	21
2	Goethite-humic acid coprecipitate mediated Fenton-like degradation of sulfanilamide: The role of coprecipitated humic acid in accelerating Fe(III)/Fe(II) cycle and degradation efficiency. <i>Journal of Hazardous Materials</i> , 2021, 403, 124026.	12.4	52
3	Interaction between hexavalent chromium and biologically formed iron mineral-biochar composites: Kinetics, products and mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 405, 124246.	12.4	30
4	Energy Taxis toward Redox-Active Surfaces Decreases the Transport of Electroactive Bacteria in Saturated Porous Media. <i>Environmental Science & Technology</i> , 2021, 55, 5559-5568.	10.0	16
5	Improving waste activated sludge dewaterability with sodium periodate pre-oxidation on extracellular polymeric substances. <i>Water Environment Research</i> , 2021, 93, 1680-1689.	2.7	7
6	Synergistic catalytic Fenton-like degradation of sulfanilamide by biosynthesized goethite-reduced graphene oxide composite. <i>Journal of Hazardous Materials</i> , 2021, 415, 125704.	12.4	23
7	Extracellular electron transfer influences the transport and retention of ferrihydrite nanoparticles in quartz sand coated with <i>Shewanella oneidensis</i> biofilm. <i>Journal of Hazardous Materials</i> , 2021, 417, 126023.	12.4	3
8	Humic acids promote hydroxyl radical production during transformation of biogenic and abiogenic goethite under redox fluctuation. <i>Chemical Engineering Journal</i> , 2021, 424, 130359.	12.7	22
9	Transformation of silver ions to silver nanoparticles mediated by humic acid under dark conditions at ambient temperature. <i>Journal of Hazardous Materials</i> , 2020, 383, 121190.	12.4	36
10	Effect on sludge disintegration by EDTA-enhanced thermal-alkaline treatment. <i>Water Environment Research</i> , 2020, 92, 42-50.	2.7	8
11	Effects of reduced graphene oxide on humic acid-mediated transformation and environmental risks of silver ions. <i>Journal of Hazardous Materials</i> , 2020, 385, 121597.	12.4	11
12	Roles of molecular weight-fractionated extracellular polymeric substance in transformation of Au(III) to Au nanoparticles in aqueous environments. <i>Science of the Total Environment</i> , 2020, 728, 138889.	8.0	7
13	Acceleration of goethite-catalyzed Fenton-like oxidation of ofloxacin by biochar. <i>Journal of Hazardous Materials</i> , 2020, 397, 122783.	12.4	71
14	Influence of chromate adsorption and reduction on transport and retention of biochar colloids in saturated porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 597, 124791.	4.7	12
15	Facilitated bioreduction of nitrobenzene by lignite acting as low-cost and efficient electron shuttle. <i>Chemosphere</i> , 2020, 248, 125978.	8.2	6
16	Detecting antibiotic resistance genes and human potential pathogenic Bacteria in fishmeal by culture-independent method. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8665-8674.	5.3	10
17	Facilitated Fe(II) Oxidation but Inhibited Denitrification by Reduced Graphene Oxide during Nitrate-Dependent Fe(II) Oxidation. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1594-1602.	2.7	7
18	Accelerating effects of humin on sulfide-mediated azo dye reduction. <i>Ecotoxicology and Environmental Safety</i> , 2019, 175, 102-109.	6.0	10

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19	Cotransport of biochar and <i>Shewanella oneidensis</i> MR-1 in saturated porous media: Impacts of electrostatic interaction, extracellular electron transfer and microbial taxis. <i>Science of the Total Environment</i> , 2019, 658, 95-104.	8.0	25
20	Effects of sludge lysate for Cr(VI) bioreduction and analysis of bioaugmentation mechanism of sludge humic acid. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5065-5075.	5.3	6
21	Microbial reduction of Ferrihydrite in the presence of reduced Graphene oxide materials: Alteration of Fe(III) reduction rate, biomineralization product and settling behavior. <i>Chemical Geology</i> , 2018, 476, 272-279.	3.3	15
22	Catalytic performance of quinone and graphene-modified polyurethane foam on the decolorization of azo dye Acid Red 18 by <i>Shewanella</i> sp. RQs-106. <i>Journal of Hazardous Materials</i> , 2018, 356, 82-90.	12.4	22
23	Combined impact of fishmeal and tetracycline on resistomes in mariculture sediment. <i>Environmental Pollution</i> , 2018, 242, 1711-1719.	7.5	27
24	Extracellular degradation of tetrabromobisphenol A via biogenic reactive oxygen species by a marine <i>Pseudoalteromonas</i> sp.. <i>Water Research</i> , 2018, 142, 354-362.	11.3	51
25	Simultaneous bisphenol F degradation, heterotrophic nitrification and aerobic denitrification by a bacterial consortium. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 854-860.	3.2	22
26	Characterization of Product and Potential Mechanism of Cr(VI) Reduction by Anaerobic Activated Sludge in a Sequencing Batch Reactor. <i>Scientific Reports</i> , 2017, 7, 1681.	3.3	34
27	Effects of hexavalent chromium on performance, extracellular polymeric substances and microbial community structure of anaerobic activated sludge in a sequencing batch reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2719-2730.	3.2	26
28	Microbial synthesis of bimetallic PdPt nanoparticles for catalytic reduction of 4-nitrophenol. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5249-5258.	5.3	59
29	Fishmeal Application Induces Antibiotic Resistance Gene Propagation in Mariculture Sediment. <i>Environmental Science & Technology</i> , 2017, 51, 10850-10860.	10.0	100
30	PAHs accelerate the propagation of antibiotic resistance genes in coastal water microbial community. <i>Environmental Pollution</i> , 2017, 231, 1145-1152.	7.5	80
31	Microbial reduction of Fe(III)-bearing clay minerals in the presence of humic acids. <i>Scientific Reports</i> , 2017, 7, 45354.	3.3	24
32	Enhanced bioreduction of nitrobenzene by reduced graphene oxide materials: effects of surface modification and coexisting soluble electron shuttles. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26874-26880.	5.3	19
33	Nutrients, heavy metals and microbial communities co-driven distribution of antibiotic resistance genes in adjacent environment of mariculture. <i>Environmental Pollution</i> , 2017, 220, 909-918.	7.5	137
34	Bioreduction of Cr(VI) by <i>Acinetobacter</i> sp. WB-1 during simultaneous nitrification/denitrification process. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 649-656.	3.2	40
35	Redox activity of lignite and its accelerating effects on the chemical reduction of azo dye by sulfide. <i>RSC Advances</i> , 2016, 6, 66930-66937.	3.6	6
36	Selection of microalgae for high CO ₂ fixation efficiency and lipid accumulation from ten <i>Chlorella</i> strains using municipal wastewater. <i>Journal of Environmental Sciences</i> , 2016, 46, 83-91.	6.1	44

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37	Improved bioreduction of nitrobenzene by black carbon/biochar derived from crop residues. RSC Advances, 2016, 6, 84388-84396.	3.6	26
38	Biogenic Fenton-like Reaction Involvement in Cometabolic Degradation of Tetrabromobisphenol A by <i>Pseudomonas</i> sp. fz. Environmental Science & Technology, 2016, 50, 9981-9989.	10.0	54
39	Simultaneous removal of chromate and nitrate in a packed-bed bioreactor using biodegradable meal box as carbon source and biofilm carriers. Bioresource Technology, 2016, 207, 308-314.	9.6	43
40	Microbial synthesis of Pd/Fe ₃ O ₄ , Au/Fe ₃ O ₄ and PdAu/Fe ₃ O ₄ nanocomposites for catalytic reduction of nitroaromatic compounds. Scientific Reports, 2015, 5, 13515.	3.3	110
41	Reductive transformation of p-nitrotoluene by a new iron-fly ash packing. Journal of Environmental Sciences, 2015, 37, 31-36.	6.1	2
42	Microbial preparation of magnetite/reduced graphene oxide nanocomposites for the removal of organic dyes from aqueous solutions. RSC Advances, 2015, 5, 95857-95865.	3.6	23
43	CO ₂ Fixation, Lipid Production, and Power Generation by a Novel Air-Lift-Type Microbial Carbon Capture Cell System. Environmental Science & Technology, 2015, 49, 10710-10717.	10.0	45
44	Biogenic gold nanoparticles-reduced graphene oxide nanohybrid: synthesis, characterization and application in chemical and biological reduction of nitroaromatics. RSC Advances, 2015, 5, 97798-97806.	3.6	26
45	Effects of redox mediators on azo dye decolorization by <i>Shewanella</i> algae under saline conditions. Bioresource Technology, 2014, 151, 63-68.	9.6	68
46	Enhanced nitrobenzene biotransformation by graphene-aerobic sludge composite. Journal of Chemical Technology and Biotechnology, 2014, 89, 750-755.	3.2	39
47	Decolorization of azo dyes by <i>Geobacter metallireducens</i> . Applied Microbiology and Biotechnology, 2013, 97, 7935-7942.	3.6	21
48	Accelerated removal of Sudan dye by <i>Shewanella oneidensis</i> MR-1 in the presence of quinones and humic acids. World Journal of Microbiology and Biotechnology, 2013, 29, 1723-1730.	3.6	8
49	Degradation of 1-amino-4-bromoanthraquinone-2-sulfonic acid using combined airlift bioreactor and TiO ₂ -photocatalytic ozonation. Journal of Chemical Technology and Biotechnology, 2013, 88, 970-974.	3.2	9
50	Quinone-mediated microbial synthesis of reduced graphene oxide with peroxidase-like activity. Bioresource Technology, 2013, 149, 503-508.	9.6	23
51	Removal of nitric oxide from simulated flue gas via denitrification in a hollow-fiber membrane bioreactor. Journal of Environmental Sciences, 2013, 25, 2239-2246.	6.1	22
52	Enhanced biotransformation of nitrobenzene by the synergies of <i>Shewanella</i> species and mediator-functionalized polyurethane foam. Journal of Hazardous Materials, 2013, 252-253, 227-232.	12.4	48
53	Decolorization of azo dyes by marine <i>Shewanella</i> strains under saline conditions. Applied Microbiology and Biotechnology, 2013, 97, 4187-4197.	3.6	46
54	Azo dye decolorization by <i>Shewanella aquimarina</i> under saline conditions. Bioresource Technology, 2012, 114, 95-101.	9.6	83

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55	Decolorization of azo dyes by <i>Shewanella oneidensis</i> MR-1 in the presence of humic acids. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 417-424.	3.6	40
56	Enhanced chromate reduction by resting <i>Escherichia coli</i> cells in the presence of quinone redox mediators. <i>Bioresource Technology</i> , 2010, 101, 8127-8131.	9.6	59
57	The <i>Escherichia coli</i> Azoreductase AzoR Is Involved in Resistance to Thiol-Specific Stress Caused by Electrophilic Quinones. <i>Journal of Bacteriology</i> , 2009, 191, 6394-6400.	2.2	57
58	Acceleration of azo dye decolorization by using quinone reductase activity of azoreductase and quinone redox mediator. <i>Bioresource Technology</i> , 2009, 100, 2791-2795.	9.6	50
59	Effects of reduction products of ortho-hydroxyl substituted azo dyes on biodecolorization of azo dyes. <i>Journal of Hazardous Materials</i> , 2009, 171, 222-229.	12.4	15
60	Microbial community dynamics in hybrid biological reactor treating petrochemical wastewater. <i>Desalination and Water Treatment</i> , 0, , 1-9.	1.0	0