Fang-Bai Li

List of Publications by Year
in descending order

246 papers	12,639 citations	22153 59 h-index	38395 95 g-index
250 all docs	250 docs citations	250 times ranked	10143 citing authors

#	Article	IF	Citations
1	Heavy metal contamination in soils and vegetables near an e-waste processing site, south China. Journal of Hazardous Materials, 2011, 186, 481-490.	12.4	565
2	Accumulation of heavy metals in leaf vegetables from agricultural soils and associated potential health risks in the Pearl River Delta, South China. Environmental Monitoring and Assessment, 2014, 186, 1547-1560.	2.7	305
3	Simultaneous alleviation of cadmium and arsenic accumulation in rice by applying zero-valent iron and biochar to contaminated paddy soils. Chemosphere, 2018, 195, 260-271.	8.2	281
4	Silica nanoparticles alleviate cadmium toxicity in rice cells: Mechanisms and size effects. Environmental Pollution, 2017, 228, 363-369.	7.5	257
5	Cadmium availability in rice paddy fields from a mining area: The effects of soil properties highlighting iron fractions and pH value. Environmental Pollution, 2016, 209, 38-45.	7.5	247
6	Bio-Electro-Fenton Process Driven by Microbial Fuel Cell for Wastewater Treatment. Environmental Science & Technology, 2010, 44, 1875-1880.	10.0	223
7	Occurrence of phthalate esters in water and sediment of urban lakes in a subtropical city, Guangzhou, South China. Environment International, 2008, 34, 372-380.	10.0	210
8	Arsenic contamination and potential health risk implications at an abandoned tungsten mine, southern China. Environmental Pollution, 2010, 158, 820-826.	7.5	208
9	A polypyrrole/anthraquinone-2,6-disulphonic disodium salt (PPy/AQDS)-modified anode to improve performance of microbial fuel cells. Biosensors and Bioelectronics, 2010, 25, 1516-1520.	10.1	189
10	Simultaneous removal of Cd(II) and As(III) by graphene-like biochar-supported zero-valent iron from irrigation waters under aerobic conditions: Synergistic effects and mechanisms. Journal of Hazardous Materials, 2020, 395, 122623.	12.4	174
11	Microbial biomass, enzyme and mineralization activity in relation to soil organic C, N and P turnover influenced by acid metal stress. Soil Biology and Biochemistry, 2009, 41, 969-977.	8.8	161
12	Biocharâ€™s stability and effect on the content, composition and turnover of soil organic carbon. Geoderma, 2020, 364, 114184.	5.1	154
13	Foliar application of two silica sols reduced cadmium accumulation in rice grains. Journal of Hazardous Materials, 2009, 161, 1466-1472.	12.4	149
14	The availabilities of arsenic and cadmium in rice paddy fields from a mining area: The role of soil extractable and plant silicon. Environmental Pollution, 2016, 215, 258-265.	7.5	138
15	Iron Redox Cycling Coupled to Transformation and Immobilization of Heavy Metals: Implications for Paddy Rice Safety in the Red Soil of South China. Advances in Agronomy, 2016, 137, 279-317.	5.2	137
16	Changes in the composition and diversity of microbial communities during anaerobic nitrate reduction and Fe(II) oxidation at circumneutral pH in paddy soil. Soil Biology and Biochemistry, 2016, 94, 70-79.	8.8	134
17	Arsenic availability in rice from a mining area: Is amorphous iron oxide-bound arsenic a source or sink?. Environmental Pollution, 2015, 199, 95-101.	7.5	131
18	The enhancement of adsorption and photocatalytic activity of rare earth ions doped TiO2 for the degradation of Orange I. Dyes and Pigments, 2008, 76, 477-484.	3.7	129

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19	Arsenic mobility and bioavailability in paddy soil under iron compound amendments at different growth stages of rice. Environmental Pollution, 2017, 224, 136-147.	7.5	128
20	Dechlorinating transformation of propachlor through nucleophilic substitution by dithionite on the surface of alumina. Journal of Soils and Sediments, 2012, 12, 724-733.	3.0	127
21	Using ensemble models to identify and apportion heavy metal pollution sources in agricultural soils on a local scale. Environmental Pollution, 2015, 206, 227-235.	7.5	123
22	Roles of different active metal-reducing bacteria in arsenic release from arsenic-contaminated paddy soil amended with biochar. Journal of Hazardous Materials, 2018, 344, 958-967.	12.4	123
23	Humic Substances Facilitate Arsenic Reduction and Release in Flooded Paddy Soil. Environmental Science & Technology, 2019, 53, 5034-5042.	10.0	121
24	A dual-chamber microbial fuel cell with conductive film-modified anode and cathode and its application for the neutral electro-Fenton process. Electrochimica Acta, 2010, 55, 2048-2054.	5.2	119
25	Selenium reduces cadmium uptake into rice suspension cells by regulating the expression of lignin synthesis and cadmium-related genes. Science of the Total Environment, 2018, 644, 602-610.	8.0	117
26	Microbial fuel cell with an azo-dye-feeding cathode. Applied Microbiology and Biotechnology, 2009, 85, 175-183.	3.6	114
27	Heterogeneous photodegradation of bisphenol A with iron oxides and oxalate in aqueous solution. Journal of Colloid and Interface Science, 2007, 311, 481-490.	9.4	112
28	Bacterial Survival Strategies in an Alkaline Tailing Site and the Physiological Mechanisms of Dominant Phylotypes As Revealed by Metagenomic Analyses. Environmental Science & Technology, 2018, 52, 13370-13380.	10.0	112
29	Application of Hydrochar Altered Soil Microbial Community Composition and the Molecular Structure of Native Soil Organic Carbon in a Paddy Soil. Environmental Science & Technology, 2020, 54, 2715-2725.	10.0	111
30	Transcriptional Activity of Arsenic-Reducing Bacteria and Genes Regulated by Lactate and Biochar during Arsenic Transformation in Flooded Paddy Soil. Environmental Science & Technology, 2018, 52, 61-70.	10.0	105
31	The effect of substituent groups on the reductive degradation of azo dyes by zerovalent iron. Journal of Hazardous Materials, 2007, 145, 305-314.	12.4	99
32	Silica nanoparticles inhibit arsenic uptake into rice suspension cells<i>via</i>improving pectin synthesis and the mechanical force of the cell wall. Environmental Science: Nano, 2020, 7, 162-171.	4.3	98
33	Effect of alumina on photocatalytic activity of iron oxides for bisphenol A degradation. Journal of Hazardous Materials, 2007, 149, 199-207.	12.4	94
34	Arsenite oxidation and removal driven by a bio-electro-Fenton process under neutral pH conditions. Journal of Hazardous Materials, 2014, 275, 200-209.	12.4	94
35	Fe(II)-induced phase transformation of ferrihydrite: The inhibition effects and stabilization of divalent metal cations. Chemical Geology, 2016, 444, 110-119.	3.3	91
36	The concentrations, distribution and sources of PAHs in agricultural soils and vegetables from Shunde, Guangdong, China. Environmental Monitoring and Assessment, 2008, 139, 61-76.	2.7	89

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37	TiO2 hydrosols with high activity for photocatalytic degradation of formaldehyde in a gaseous phase. Journal of Hazardous Materials, 2008, 152, 347-355.	12.4	87
38	Heterogeneous Photodegradation of Pentachlorophenol with Maghemite and Oxalate under UV Illumination. Environmental Science & Technology, 2008, 42, 7918-7923.	10.0	85
39	Exogenous Electron Shuttle-Mediated Extracellular Electron Transfer of <i>Shewanella putrefaciens</i> 200: Electrochemical Parameters and Thermodynamics. Environmental Science & Technology, 2014, 48, 9306-9314.	10.0	85
40	Microbially mediated nitrate-reducing Fe(II) oxidation: Quantification of chemodenitrification and biological reactions. Geochimica Et Cosmochimica Acta, 2019, 256, 97-115.	3.9	83
41	Cadmium solubility in paddy soil amended with organic matter, sulfate, and iron oxide in alternative watering conditions. Journal of Hazardous Materials, 2019, 378, 120672.	12.4	83
42	The oxidative transformation of sodium arsenite at the interface of Î±-MnO2 and water. Journal of Hazardous Materials, 2010, 173, 675-681.	12.4	82
43	Characterization of Nitrate-Dependent As(III)-Oxidizing Communities in Arsenic-Contaminated Soil and Investigation of Their Metabolic Potentials by the Combination of DNA-Stable Isotope Probing and Metagenomics. Environmental Science & Technology, 2020, 54, 7366-7377.	10.0	82
44	The effect of iron oxides and oxalate on the photodegradation of 2-mercaptobenzothiazole. Journal of Molecular Catalysis A, 2006, 252, 40-48.	4.8	81
45	Spatiotemporal patterns and drivers of soil contamination with heavy metals during an intensive urbanization period (1989â€“2018) in southern China. Environmental Pollution, 2020, 260, 114075.	7.5	81
46	Anaerobic degradation of Polychlorinated Biphenyls (PCBs) and Polychlorinated Biphenyls Ethers (PBDEs), and microbial community dynamics of electronic waste-contaminated soil. Science of the Total Environment, 2015, 502, 426-433.	8.0	73
47	The effect of erbium on the adsorption and photodegradation of orange I in aqueous Er3+-TiO2 suspension. Journal of Hazardous Materials, 2006, 138, 471-478.	12.4	72
48	Photodegradation of orange I in the heterogeneous iron oxideâ€“oxalate complex system under UVA irradiation. Journal of Hazardous Materials, 2006, 137, 1016-1024.	12.4	70
49	Enhancement of the reductive transformation of pentachlorophenol by polycarboxylic acids at the iron oxideâ€“water interface. Journal of Colloid and Interface Science, 2008, 321, 332-341.	9.4	70
50	Photodegradation of 2-mercaptobenzothiazole in the Î³-Fe2O3/oxalate suspension under UVA light irradiation. Journal of Hazardous Materials, 2008, 153, 426-433.	12.4	68
51	Electron transfer capacity dependence of quinone-mediated Fe(III) reduction and current generation by Klebsiella pneumoniae L17. Chemosphere, 2013, 92, 218-224.	8.2	68
52	Enhanced immobilization of arsenic and cadmium in a paddy soil by combined applications of woody peat and Fe(NO3)3: Possible mechanisms and environmental implications. Science of the Total Environment, 2019, 649, 535-543.	8.0	68
53	The overlooked role of carbonaceous supports in enhancing arsenite oxidation and removal by nZVI: Surface area versus electrochemical property. Chemical Engineering Journal, 2021, 406, 126851.	12.7	68
54	A transcriptomic (RNA-seq) analysis of genes responsive to both cadmium and arsenic stress in rice root. Science of the Total Environment, 2019, 666, 445-460.	8.0	67

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55	Reduction of structural Fe(III) in oxyhydroxides by Shewanella decolorationis S12 and characterization of the surface properties of iron minerals. Journal of Soils and Sediments, 2012, 12, 217-227.	3.0	66
56	Depassivation of Aged Fe⁰ by Ferrous Ions: Implications to Contaminant Degradation. Environmental Science & Technology, 2013, 47, 13712-13720.	10.0	64
57	Kinetics of As(V) and carbon sequestration during Fe(II)-induced transformation of ferrihydrite-As(V)-fulvic acid coprecipitates. Geochimica Et Cosmochimica Acta, 2020, 272, 160-176.	3.9	63
58	Chemolithoautotropic Diazotrophy Dominates the Nitrogen Fixation Process in Mine Tailings. Environmental Science & Technology, 2020, 54, 6082-6093.	10.0	63
59	Enhanced Current Production by Exogenous Electron Mediators via Synergy of Promoting Biofilm Formation and the Electron Shuttling Process. Environmental Science & Technology, 2020, 54, 7217-7225.	10.0	63
60	Heterogeneous photodegradation of pentachlorophenol and iron cycling with goethite, hematite and oxalate under UVA illumination. Journal of Hazardous Materials, 2010, 174, 64-70.	12.4	62
61	Fe(III)-enhanced anaerobic transformation of 2,4-dichlorophenoxyacetic acid by an iron-reducing bacterium Comamonas koreensisÃ¢Â€ÂƒCY01. FEMS Microbiology Ecology, 2010, 71, 106-113.	2.7	62
62	Biostimulation of Indigenous Microbial Communities for Anaerobic Transformation of Pentachlorophenol in Paddy Soils of Southern China. Journal of Agricultural and Food Chemistry, 2012, 60, 2967-2975.	5.2	62
63	Biological and chemical processes of microbially mediated nitrate-reducing Fe(II) oxidation by Pseudogulbenkiania sp. strain 2002. Chemical Geology, 2018, 476, 59-69.	3.3	62
64	Bacterial Communities and Functional Genes Stimulated During Anaerobic Arsenite Oxidation and Nitrate Reduction in a Paddy Soil. Environmental Science & Technology, 2020, 54, 2172-2181.	10.0	62
65	Investigation of the Ecological Roles of Putative Keystone Taxa during Tailing Revegetation. Environmental Science & Technology, 2020, 54, 11258-11270.	10.0	62
66	Integrated Life Cycle Assessment for Sustainable Remediation of Contaminated Agricultural Soil in China. Environmental Science & Technology, 2021, 55, 12032-12042.	10.0	62
67	Depassivation of Aged Fe⁰ by Divalent Cations: Correlation between Contaminant Degradation and Surface Complexation Constants. Environmental Science & Technology, 2014, 48, 14564-14571.	10.0	61
68	Extracellular Electron Shuttling Mediated by Soluble <i>c</i>-Type Cytochromes Produced by <i>Shewanella oneidensis</i> MR-1. Environmental Science & Technology, 2020, 54, 10577-10587.	10.0	61
69	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
70	Dependence of Secondary Mineral Formation on Fe(II) Production from Ferrihydrite Reduction by <i>Shewanella oneidensis</i> MR-1. ACS Earth and Space Chemistry, 2018, 2, 399-409.	2.7	60
71	Variations in grain cadmium and arsenic concentrations and screening for stable low-accumulating rice cultivars from multi-environment trials. Science of the Total Environment, 2018, 643, 1314-1324.	8.0	60
72	New insights into stoichiometric efficiency and synergistic mechanism of persulfate activation by zero-valent bimetal (Iron/Copper) for organic pollutant degradation. Journal of Hazardous Materials, 2021, 403, 123669.	12.4	59

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73	Assessment of organochlorine pesticide contamination in relation to soil properties in the Pearl River Delta, China. Science of the Total Environment, 2013, 447, 160-168.	8.0	57
74	Exploring spatially varying and scale-dependent relationships between soil contamination and landscape patterns using geographically weighted regression. Applied Geography, 2017, 82, 101-114.	3.7	57
75	Microbially mediated coupling of nitrate reduction and Fe(II) oxidation under anoxic conditions. FEMS Microbiology Ecology, 2019, 95, .	2.7	57
76	A rapid and simple electrochemical method for evaluating the electron transfer capacities of dissolved organic matter. Journal of Soils and Sediments, 2011, 11, 467-473.	3.0	56
77	The diversity and abundance of As(III) oxidizers on root iron plaque is critical for arsenic bioavailability to rice. Scientific Reports, 2015, 5, 13611.	3.3	55
78	Double-Barrier mechanism for chromium immobilization: A quantitative study of crystallization and leachability. Journal of Hazardous Materials, 2016, 311, 246-253.	12.4	55
79	Effects of nanoscale silica sol foliar application on arsenic uptake, distribution and oxidative damage defense in rice (Oryza sativa L.) under arsenic stress. RSC Advances, 2014, 4, 57227-57234.	3.6	54
80	Production of Hydrogen Peroxide in Groundwater at Rifle, Colorado. Environmental Science & Technology, 2017, 51, 7881-7891.	10.0	54
81	Anaerobic ammonium oxidation is a major N-sink in aquifer systems around the world. ISME Journal, 2020, 14, 151-163.	9.8	54
82	Dependence of Sulfadiazine Oxidative Degradation on Physicochemical Properties of Manganese Dioxides. Industrial & Engineering Chemistry Research, 2009, 48, 10408-10413.	3.7	53
83	Oxidation and removal of As(<scp>iii</scp>) from soil using novel magnetic nanocomposite derived from biomass waste. Environmental Science: Nano, 2019, 6, 478-488.	4.3	52
84	Conduction Band of Hematite Can Mediate Cytochrome Reduction by Fe(II) under Dark and Anoxic Conditions. Environmental Science & Technology, 2020, 54, 4810-4819.	10.0	52
85	Detoxification and immobilization of chromite ore processing residue in spinel-based glass-ceramic. Journal of Hazardous Materials, 2017, 321, 449-455.	12.4	51
86	Resuscitation of anammox bacteria after >10,000 years of dormancy. ISME Journal, 2019, 13, 1098-1109.	9.8	51
87	Interactive effects of multiple heavy metal(loid)s on their bioavailability in cocontaminated paddy soils in a large region. Science of the Total Environment, 2020, 708, 135126.	8.0	51
88	Contrasting Mg isotopic compositions between Fe-Mn nodules and surrounding soils: Accumulation of light Mg isotopes by Mg-depleted clay minerals and Fe oxides. Geochimica Et Cosmochimica Acta, 2018, 237, 205-222.	3.9	50
89	Fe(III) oxides accelerate microbial nitrate reduction and electricity generation by Klebsiella pneumoniae L17. Journal of Colloid and Interface Science, 2014, 423, 25-32.	9.4	48
90	Arsenic contamination influences microbial community structure and putative arsenic metabolism gene abundance in iron plaque on paddy rice root. Science of the Total Environment, 2019, 649, 405-412.	8.0	48

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91	Desulfurivibrio spp. mediate sulfur-oxidation coupled to Sb(V) reduction, a novel biogeochemical process. ISME Journal, 2022, 16, 1547-1556.	9.8	48
92	AgNO₃-Induced Photocatalytic Degradation of Odorous Methyl Mercaptan in Gaseous Phase: Mechanism of Chemisorption and Photocatalytic Reaction. Environmental Science & Technology, 2008, 42, 4540-4545.	10.0	47
93	Anaerobic Transformation of DDT Related to Iron(III) Reduction and Microbial Community Structure in Paddy Soils. Journal of Agricultural and Food Chemistry, 2013, 61, 2224-2233.	5.2	47
94	Rhizosphere Microbial Response to Multiple Metal(loid)s in Different Contaminated Arable Soils Indicates Crop-Specific Metal-Microbe Interactions. Applied and Environmental Microbiology, 2018, 84, .	3.1	47
95	Bacterial response to antimony and arsenic contamination in rice paddies during different flooding conditions. Science of the Total Environment, 2019, 675, 273-285.	8.0	47
96	AÂhighlyÂporousÂanimalÂbone-derivedÂchar with a superiority of promoting nZVI for Cr(VI) sequestration in agricultural soils. Journal of Environmental Sciences, 2021, 104, 27-39.	6.1	47
97	The oxidative degradation of 2-mercaptobenzothiazole at the interface of Î²-MnO2 and water. Journal of Hazardous Materials, 2008, 154, 1098-1105.	12.4	46
98	Effects of Incubation Conditions on Cr(VI) Reduction by c-type Cytochromes in Intact Shewanella oneidensis MR-1 Cells. Frontiers in Microbiology, 2016, 7, 746.	3.5	46
99	A paddy field study of arsenic and cadmium pollution control by using iron-modified biochar and silica sol together. Environmental Science and Pollution Research, 2019, 26, 24979-24987.	5.3	46
100	<i>Serratia</i> spp. Are Responsible for Nitrogen Fixation Fueled by As(III) Oxidation, a Novel Biogeochemical Process Identified in Mine Tailings. Environmental Science & Technology, 2022, 56, 2033-2043.	10.0	46
101	Fractionation characteristics of rare earth elements (REEs) linked with secondary Fe, Mn, and Al minerals in soils. Acta Geochimica, 2016, 35, 329-339.	1.7	45
102	The applicability of biochar and zero-valent iron for the mitigation of arsenic and cadmium contamination in an alkaline paddy soil. Biochar, 2019, 1, 203-212.	12.6	45
103	Quantifying Microbially Mediated Kinetics of Ferrihydrite Transformation and Arsenic Reduction: Role of the Arsenate-Reducing Gene Expression Pattern. Environmental Science & Technology, 2020, 54, 6621-6631.	10.0	45
104	Enhanced photocatalytic activity of Ce3+-TiO2 hydrosols in aqueous and gaseous phases. Chemical Engineering Journal, 2010, 157, 475-482.	12.7	44
105	Rice husk based porous carbon loaded with silver nanoparticles by a simple and cost-effective approach and their antibacterial activity. Journal of Colloid and Interface Science, 2015, 455, 117-124.	9.4	44
106	Biological Fe(II) and As(III) oxidation immobilizes arsenic in micro-oxic environments. Geochimica Et Cosmochimica Acta, 2019, 265, 96-108.	3.9	44
107	The translocation of antimony in soil-rice system with comparisons to arsenic: Alleviation of their accumulation in rice by simultaneous use of Fe(II) and NO3â^'. Science of the Total Environment, 2019, 650, 633-641.	8.0	43
108	Enhanced nitrate reduction and current generation by Bacillus sp. in the presence of iron oxides. Journal of Soils and Sediments, 2012, 12, 354-365.	3.0	42

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109	Effects of Simultaneous Application of Ferrous Iron and Nitrate on Arsenic Accumulation in Rice Grown in Contaminated Paddy Soil. ACS Earth and Space Chemistry, 2018, 2, 103-111.	2.7	42
110	Depassivation of Aged Fe⁰ by Inorganic Salts: Implications to Contaminant Degradation in Seawater. Environmental Science & Technology, 2013, 47, 7350-7356.	10.0	41
111	Mitigation of soil acidification through changes in soil mineralogy due to long-term fertilization in southern China. Catena, 2019, 174, 227-234.	5.0	40
112	The key microorganisms for anaerobic degradation of pentachlorophenol in paddy soil as revealed by stable isotope probing. Journal of Hazardous Materials, 2015, 298, 252-260.	12.4	39
113	Using sequential extraction and DGT techniques to assess the efficacy of plant- and manure-derived hydrochar and pyrochar for alleviating the bioavailability of Cd in soils. Science of the Total Environment, 2019, 678, 543-550.	8.0	39
114	Carbon-based strategy enables sustainable remediation of paddy soils in harmony with carbon neutrality. , 2022, 1, .		39
115	Electrochemical Evidences for Promoted Interfacial Reactions: The Role of Fe(II) Adsorbed onto Î³-Al₂O₃ and TiO₂ in Reductive Transformation of 2-Nitrophenol. Environmental Science & Technology, 2009, 43, 3656-3661.	10.0	38
116	Heavy metal contaminations in soil-rice system: source identification in relation to a sulfur-rich coal burning power plant in Northern Guangdong Province, China. Environmental Monitoring and Assessment, 2016, 188, 460.	2.7	38
117	Dependence of the electron transfer capacity on the kinetics of quinone-mediated Fe(<scp>iii</scp>) reduction by two iron/humic reducing bacteria. RSC Advances, 2013, 4, 2284-2290.	3.6	36
118	Comparative physiological and transcriptomic analyses illuminate common mechanisms by which silicon alleviates cadmium and arsenic toxicity in rice seedlings. Journal of Environmental Sciences, 2021, 109, 88-101.	6.1	36
119	Effect of nitrate addition on reductive transformation of pentachlorophenol in paddy soil in relation to iron(III) reduction. Journal of Environmental Management, 2014, 132, 42-48.	7.8	35
120	Cadmium accumulation in edible flowering cabbages in the Pearl River Delta, China: Critical soil factors and enrichment models. Environmental Pollution, 2018, 233, 880-888.	7.5	35
121	Reductive transformation of pentachlorophenol on the interface of subtropical soil colloids and water. Geoderma, 2008, 148, 70-78.	5.1	34
122	Effect of pH on pentachlorophenol degradation in irradiated iron/oxalate systems. Chemical Engineering Journal, 2011, 168, 1209-1216.	12.7	34
123	Bio-current as an indicator for biogenic Fe(II) generation driven by dissimilatory iron reducing bacteria. Biosensors and Bioelectronics, 2013, 39, 51-56.	10.1	34
124	Humic substanceâ€mediated reduction of iron(<scp>III</scp>) oxides and degradation of 2,4â€<scp>D</scp> by an alkaliphilic bacterium, <i><scp>C</scp>orynebacterium humireducens</i>â€…<scp>MFC</scp>â€5. Microbial Biotechnology, 2013, 6, 141-149.	4.2	34
125	Zinc isotope revealing zinc's sources and transport processes in karst region. Science of the Total Environment, 2020, 724, 138191.	8.0	34
126	A humic substance analogue AQDS stimulates Geobacter sp. abundance and enhances pentachlorophenol transformation in a paddy soil. Chemosphere, 2016, 160, 141-148.	8.2	33

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127	Acid-base buffering characteristics of non-calcareous soils: Correlation with physicochemical properties and surface complexation constants. Geoderma, 2020, 360, 114005.	5.1	33
128	Association between ferrous iron accumulation and pentachlorophenol degradation at the paddy soilâ€"water interface in the presence of exogenous low-molecular-weight dissolved organic carbon. Chemosphere, 2013, 91, 1547-1555.	8.2	32
129	Anaerobic degradation of phenanthrene by a newly isolated humus-reducing bacterium, Pseudomonas aeruginosa strain PAH-1. Journal of Soils and Sediments, 2011, 11, 923-929.	3.0	31
130	Enhanced reduction of organic pollutants by Fe/Cu@Pd ternary metallic nanoparticles under aerobic conditions: Batch and membrane reactor studies. Chemical Engineering Journal, 2019, 360, 180-189.	12.7	31
131	Comparison of dissolved organic matter from sewage sludge and sludge compost as electron shuttles for enhancing Fe(III) bioreduction. Journal of Soils and Sediments, 2010, 10, 722-729.	3.0	30
132	Effects of dissolved organic matter on adsorbed Fe(II) reactivity for the reduction of 2-nitrophenol in TiO2 suspensions. Chemosphere, 2013, 93, 29-34.	8.2	30
133	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
134	Effect of iron oxides and carboxylic acids on photochemical degradation of bisphenol A. Biology and Fertility of Soils, 2006, 42, 409-417.	4.3	29
135	pH dependence of quinone-mediated extracellular electron transfer in a bioelectrochemical system. Electrochimica Acta, 2016, 213, 408-415.	5.2	29
136	Microaerophilic Oxidation of Fe(II) Coupled with Simultaneous Carbon Fixation and As(III) Oxidation and Sequestration in Karstic Paddy Soil. Environmental Science & Technology, 2021, 55, 3634-3644.	10.0	29
137	Modelling evaluation of key cadmium transformation processes in acid paddy soil under alternating redox conditions. Chemical Geology, 2021, 581, 120409.	3.3	28
138	Enhancement effect of two ecological earthworm species (Eisenia foetida and Amynthas robustus E.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2012, 14, 1551.	2.1	27
139	Effects of landscape heterogeneity on the elevated trace metal concentrations in agricultural soils at multiple scales in the Pearl River Delta, South China. Environmental Pollution, 2015, 206, 264-274.	7.5	26
140	Dynamics of the microbial community and Fe(III)-reducing and dechlorinating microorganisms in response to pentachlorophenol transformation in paddy soil. Journal of Hazardous Materials, 2016, 312, 97-105.	12.4	26
141	Thallium in flowering cabbage and lettuce: Potential health risks for local residents of the Pearl River Delta, South China. Environmental Pollution, 2018, 241, 626-635.	7.5	26
142	Community dynamics of As(V)-reducing and As(III)-oxidizing genes during a wetâ€"dry cycle in paddy soil amended with organic matter, gypsum, or iron oxide. Journal of Hazardous Materials, 2020, 393, 122485.	12.4	26
143	Dynamics of gene expression associated with arsenic uptake and transport in rice during the whole growth period. BMC Plant Biology, 2020, 20, 133.	3.6	26
144	Competitive reduction of nitrate and iron oxides by Shewanella putrefaciens 200 under anoxic conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 445, 97-104.	4.7	25

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145	2-Nitrophenol reduction promoted by S. putrefaciens 200 and biogenic ferrous iron: The role of different size-fractions of dissolved organic matter. Journal of Hazardous Materials, 2014, 279, 436-443.	12.4	25
146	Fe(II) oxidation and nitrate reduction by a denitrifying bacterium, Pseudomonas stutzeri LS-2, isolated from paddy soil. Journal of Soils and Sediments, 2018, 18, 1668-1678.	3.0	25
147	Bacteria responsible for nitrate-dependent antimonite oxidation in antimony-contaminated paddy soil revealed by the combination of DNA-SIP and metagenomics. Soil Biology and Biochemistry, 2021, 156, 108194.	8.8	25
148	Effects of the Fe^{II}/Cu^{II} Interaction on Copper Aging Enhancement and Pentachlorophenol Reductive Transformation in Paddy Soil. Journal of Agricultural and Food Chemistry, 2012, 60, 630-638.	5.2	24
149	Variable charges of a red soil from different depths: Acid-base buffer capacity and surface complexation model. Applied Clay Science, 2018, 159, 107-115.	5.2	24
150	Development of a new framework to identify pathways from socioeconomic development to environmental pollution. Journal of Cleaner Production, 2020, 253, 119962.	9.3	24
151	Effects of peptizing conditions on nanometer properties and photocatalytic activity of TiO2 hydrosols prepared by H2TiO3. Journal of Hazardous Materials, 2008, 155, 90-99.	12.4	23
152	Reduction of iron oxides by Klebsiella pneumoniae L17: Kinetics and surface properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 379, 143-150.	4.7	23
153	Effects of calcium peroxide on arsenic uptake by celery (Apium graveolens L.) grown in arsenic contaminated soil. Chemosphere, 2012, 86, 1106-1111.	8.2	23
154	Impact of sulfate and iron oxide on bacterial community dynamics in paddy soil under alternate watering conditions. Journal of Hazardous Materials, 2021, 408, 124417.	12.4	23
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