Fang-Bai Li

List of Publications by Year
in descending order

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

#	ARTICLE	IF	CITATIONS
1	Generation of low-cadmium rice germplasms via knockout of OsLCD using CRISPR/Cas9. Journal of Environmental Sciences, 2023, 126, 138-152.	6.1	12
2	Unique feature of Fe-OM complexes for limiting Cd accumulation in grains by target-regulating gene expression in rice tissues. Journal of Hazardous Materials, 2022, 424, 127361.	12.4	9
3	Kinetics of antimony biogeochemical processes under pre-definite anaerobic and aerobic conditions in a paddy soil. Journal of Environmental Sciences, 2022, 113, 269-280.	6.1	11
4	Electron shuttle-induced oxidative transformation of arsenite on the surface of goethite and underlying mechanisms. Journal of Hazardous Materials, 2022, 425, 127780.	12.4	21
5	Sustainability assessment and carbon budget of chemical stabilization based multi-objective remediation of Cd contaminated paddy field. Science of the Total Environment, 2022, 819, 152022.	8.0	18
6	Bioavailability of antimony and arsenic in a flowering cabbageâ€“soil system: Controlling factors and interactive effect. Science of the Total Environment, 2022, 815, 152920.	8.0	15
7	<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
8	Biogeochemical Fe(II) generators as a new strategy for limiting Cd uptake by rice and its implication for agricultural sustainability. Science of the Total Environment, 2022, 820, 153306.	8.0	20
9	Desulfurivibrio spp. mediate sulfur-oxidation coupled to Sb(V) reduction, a novel biogeochemical process. ISME Journal, 2022, 16, 1547-1556.	9.8	48
10	Foliar application of silica nanoparticles alleviates arsenic accumulation in rice grain: co-localization of silicon and arsenic in nodes. Environmental Science: Nano, 2022, 9, 1271-1281.	4.3	10
11	Silicon reduces the uptake of cadmium in hydroponically grown rice seedlings: why nanoscale silica is more effective than silicate. Environmental Science: Nano, 2022, 9, 1961-1973.	4.3	20
12	Source and Strategy of Iron Uptake by Rice Grown in Flooded and Drained Soils: Insights from Fe Isotope Fractionation and Gene Expression. Journal of Agricultural and Food Chemistry, 2022, 70, 2564-2573.	5.2	5
13	Facet-dependent Fe(II) redox chemistry on iron oxide for organic pollutant transformation and mechanisms. Water Research, 2022, 219, 118587.	11.3	11
14	Tetracycline-Induced Release and Oxidation of As(III) Coupled with Concomitant Ferrihydrite Transformation. Environmental Science & Technology, 2022, 56, 9453-9462.	10.0	12
15	Carbon-based strategy enables sustainable remediation of paddy soils in harmony with carbon neutrality. , 2022, 1, .		39
16	Simultaneous redox transformation and removal of Cr(â…¥) and As(â…¢) by polyethyleneimine modified magnetic mesoporous polydopamine nanocomposite: Insights into synergistic effects and mechanisms. Journal of Hazardous Materials, 2022, 439, 129581.	12.4	12
17	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
18	Quinone-mediated dissimilatory iron reduction of hematite: Interfacial reactions on exposed {0 0 1} and {1 0 0} facets. Journal of Colloid and Interface Science, 2021, 583, 544-552.	9.4	21

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19	Multiple effects of nitrate amendment on the transport, transformation and bioavailability of antimony in a paddy soil-rice plant system. Journal of Environmental Sciences, 2021, 100, 90-98.	6.1	13
20	Fe(II)-induced transformation of iron minerals in soil ferromanganese nodules. Chemical Geology, 2021, 559, 119901.	3.3	10
21	Effect of riboflavin on active bacterial communities and arsenic-respiring gene and bacteria in arsenic-contaminated paddy soil. Geoderma, 2021, 382, 114706.	5.1	12
22	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
23	Development of a new framework to estimate the environmental risk of heavy metal(loid)s focusing on the spatial heterogeneity of the industrial layout. Environment International, 2021, 147, 106315.	10.0	16
24	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
25	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
26	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
27	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
28	Bacteria responsible for antimonite oxidation in antimony-contaminated soil revealed by DNA-SIP coupled to metagenomics. FEMS Microbiology Ecology, 2021, 97, .	2.7	13
29	Co-Cropping Indian Mustard and Silage Maize for Phytoremediation of a Cadmium-Contaminated Acid Paddy Soil Amended with Peat. Toxics, 2021, 9, 91.	3.7	9
30	Solar-driven, self-sustainable electrolysis for treating eutrophic river water: Intensified nutrient removal and reshaped microbial communities. Science of the Total Environment, 2021, 764, 144293.	8.0	6
31	Impacts of Redox Conditions on Arsenic and Antimony Transformation in Paddy Soil: Kinetics and Functional Bacteria. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 1121-1127.	2.7	1
32	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
33	Fulvic Acid-Mediated Interfacial Reactions on Exposed Hematite Facets during Dissimilatory Iron Reduction. Langmuir, 2021, 37, 6139-6150.	3.5	16
34	New insight into iron biogeochemical cycling in soil-rice plant system using iron isotope fractionation. Fundamental Research, 2021, 1, 277-284.	3.3	5
35	Different effects of foliar application of silica sol on arsenic translocation in rice under low and high arsenite stress. Journal of Environmental Sciences, 2021, 105, 22-32.	6.1	11
36	Integrated Life Cycle Assessment for Sustainable Remediation of Contaminated Agricultural Soil in China. Environmental Science & Technology, 2021, 55, 12032-12042.	10.0	62

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37	Distinct biofilm formation regulated by different culture media: Implications to electricity generation. Bioelectrochemistry, 2021, 140, 107826.	4.6	4
38	Chemodenitrification by Fe(II) and nitrite: Effects of temperature and dual N O isotope fractionation. Chemical Geology, 2021, 575, 120258.	3.3	16
39	Water Management Alters Cadmium Isotope Fractionation between Shoots and Nodes/Leaves in a Soil-Rice System. Environmental Science & Technology, 2021, 55, 12902-12913.	10.0	12
40	Identification of Antimonate Reducing Bacteria and Their Potential Metabolic Traits by the Combination of Stable Isotope Probing and Metagenomic-Pangenomic Analysis. Environmental Science & Technology, 2021, 55, 13902-13912.	10.0	22
41	Modelling evaluation of key cadmium transformation processes in acid paddy soil under alternating redox conditions. Chemical Geology, 2021, 581, 120409.	3.3	28
42	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
43	New Arsenite Oxidase Gene (aioA) PCR Primers for Assessing Arsenite-Oxidizer Diversity in the Environment Using High-Throughput Sequencing. Frontiers in Microbiology, 2021, 12, 691913.	3.5	2
44	Anaerobic ammonium oxidation is a major N-sink in aquifer systems around the world. ISME Journal, 2020, 14, 151-163.	9.8	54
45	Development of a new framework to identify pathways from socioeconomic development to environmental pollution. Journal of Cleaner Production, 2020, 253, 119962.	9.3	24
46	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
47	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
48	Behaviors of heavy metal(loid)s in a cocontaminated alkaline paddy soil throughout the growth period of rice. Science of the Total Environment, 2020, 716, 136204.	8.0	17
49	Acid-base buffering characteristics of non-calcareous soils: Correlation with physicochemical properties and surface complexation constants. Geoderma, 2020, 360, 114005.	5.1	33
50	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
51	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
52	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
53	Investigation of the Ecological Roles of Putative Keystone Taxa during Tailing Revegetation. Environmental Science & Technology, 2020, 54, 11258-11270.	10.0	62
54	Facet-dependent reductive dissolution of hematite nanoparticles by <i>Shewanella putrefaciens</i> CN-32. Environmental Science: Nano, 2020, 7, 2522-2531.	4.3	21

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55	Zinc isotope revealing zinc's sources and transport processes in karst region. Science of the Total Environment, 2020, 724, 138191.	8.0	34
56	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
57	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
58	Dual nitrogen-oxygen isotopic analysis and kinetic model for enzymatic nitrate reduction coupled with Fe(II) oxidation by Pseudogulbenkiania sp. strain 2002. Chemical Geology, 2020, 534, 119456.	3.3	19
59	Chemodenitrification by Fe(II) and nitrite: pH effect, mineralization and kinetic modeling. Chemical Geology, 2020, 541, 119586.	3.3	22
60	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
61	Chemolithoautotropic Diazotrophy Dominates the Nitrogen Fixation Process in Mine Tailings. Environmental Science & Technology, 2020, 54, 6082-6093.	10.0	63
62	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
63	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
64	Biocharâ€™s stability and effect on the content, composition and turnover of soil organic carbon. Geoderma, 2020, 364, 114184.	5.1	154
65	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
66	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
67	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
68	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
69	Microbially mediated nitrate-reducing Fe(II) oxidation: Quantification of chemodenitrification and biological reactions. Geochimica Et Cosmochimica Acta, 2019, 256, 97-115.	3.9	83
70	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
71	Isotopic fingerprints indicate distinct strategies of Fe uptake in rice. Chemical Geology, 2019, 524, 323-328.	3.3	15
72	Biological Fe(II) and As(III) oxidation immobilizes arsenic in micro-oxic environments. Geochimica Et Cosmochimica Acta, 2019, 265, 96-108.	3.9	44

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73	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
74	Enhanced debromination of tetrabromobisphoenol a by zero-valent copper-nanoparticle-modified green rusts. Environmental Science: Nano, 2019, 6, 970-980.	4.3	20
75	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
76	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
77	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
78	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
79	Effects of Rare Earth Elementsâ€™ Physicochemical Properties on Their Stabilization during the Fe(II)aq-induced Phase Transformation of Ferrihydrite. ACS Earth and Space Chemistry, 2019, 3, 895-904.	2.7	12
80	Stabilization of Cd 2+ /Cr 3+ During Aqueous Fe(II)â€•Induced Recrystallization of Alâ€•Substituted Goethite. Soil Science Society of America Journal, 2019, 83, 483-491.	2.2	5
81	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
82	Effect of Degree of Silicification on Silica/Silicic Acid Binding Cd(II) and Its Mechanism. Journal of Physical Chemistry A, 2019, 123, 3718-3727.	2.5	12
83	Influence of Incubation Temperature on 9,10-Anthraquinone-2-Sulfonate (AQS)-Mediated Extracellular Electron Transfer. Frontiers in Microbiology, 2019, 10, 464.	3.5	11
84	Quantifying Redox Dynamics of c-Type Cytochromes in a Living Cell Suspension of Dissimilatory Metal-reducing Bacteria. Analytical Sciences, 2019, 35, 315-321.	1.6	12
85	Microaerobic Fe(II) oxidation coupled to carbon assimilation processes driven by microbes from paddy soil. Science China Earth Sciences, 2019, 62, 1719-1729.	5.2	21
86	Ligand mediated reduction of c-type cytochromes by Fe(II): Kinetic and mechanistic insights. Chemical Geology, 2019, 513, 23-31.	3.3	11
87	Microbially mediated coupling of nitrate reduction and Fe(II) oxidation under anoxic conditions. FEMS Microbiology Ecology, 2019, 95, .	2.7	57
88	Determination of the Redox Potentials of Solution and Solid Surface of Fe(II) Associated with Iron Oxyhydroxides. ACS Earth and Space Chemistry, 2019, 3, 711-717.	2.7	20
89	Humic Substances Facilitate Arsenic Reduction and Release in Flooded Paddy Soil. Environmental Science & Technology, 2019, 53, 5034-5042.	10.0	121
90	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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91	Physiological and Genomic Characterization of a Nitrate-Reducing Fe(II)-Oxidizing Bacterium Isolated from Paddy Soil. Geomicrobiology Journal, 2019, 36, 433-442.	2.0	9
92	Iron Redox Chemistry and Its Environmental Impact: A Virtual Special Issue. ACS Earth and Space Chemistry, 2019, 3, 2374-2375.	2.7	5
93	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
94	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
95	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
96	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
97	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
98	Resuscitation of anammox bacteria after &gt;10,000 years of dormancy. ISME Journal, 2019, 13, 1098-1109.	9.8	51
99	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
100	The effect of electron donors on the dechlorination of pentachlorophenol (PCP) and prokaryotic diversity in paddy soil. European Journal of Soil Biology, 2018, 86, 8-15.	3.2	16
101	The influence of Si(iv) on the reactivity of [î€,Fe(iii)]/[î€,Fe(ii)] couples for 2-nitrophenol reduction in Î³-Al2O3 suspensions. RSC Advances, 2018, 8, 7465-7472.	3.6	1
102	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
103	Rapid estimation of microbial biomass in acid red soils with and without substrate incorporation. Journal of Soils and Sediments, 2018, 18, 2904-2913.	3.0	1
104	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
105	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
106	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
107	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
108	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

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109	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
110	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
111	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
112	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
113	Cr Release from Cr-Substituted Goethite during Aqueous Fe(II)-Induced Recrystallization. Minerals (Basel, Switzerland), 2018, 8, 367.	2.0	12
114	Sustainable Electron Shuttling Processes Mediated by <i>Inâ€…Situâ€‹</i>Deposited Phenoxazine. ChemElectroChem, 2018, 5, 2171-2175.	3.4	17
115	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
116	A causation-based method developed for an integrated risk assessment of heavy metals in soil. Science of the Total Environment, 2018, 642, 1396-1405.	8.0	12
117	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
118	Attribution of Soil Acidification in a Largeâ€•Scale Region: Artificial Intelligence Approach Application. Soil Science Society of America Journal, 2018, 82, 772-782.	2.2	10
119	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
120	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
121	Pentachlorophenol dissipation and ferrous iron accumulation in flooded paddy soils with contrasting organic matter contents and incorporation of legume green manures. Journal of Soils and Sediments, 2018, 18, 2463-2475.	3.0	2
122	Aqueous Fe(II)-Induced Phase Transformation of Ferrihydrite Coupled Adsorption/Immobilization of Rare Earth Elements. Minerals (Basel, Switzerland), 2018, 8, 357.	2.0	13
123	Microbial iron reduction as a method for immobilization of a low concentration of dissolved cadmium. Journal of Environmental Management, 2018, 217, 747-753.	7.8	20
124	Rapid Redox Processes of <i>c</i>â€•Type Cytochromes in A Living Cell Suspension of <i>Shewanella oneidensis</i> MRâ€•1. ChemistrySelect, 2017, 2, 1008-1012.	1.5	14
125	In situ spectral kinetics of quinone reduction by c-type cytochromes in intact Shewanella oneidensis MR-1 cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 505-513.	4.7	11
126	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

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127	Changes in the microbial community during repeated anaerobic microbial dechlorination of pentachlorophenol. Biodegradation, 2017, 28, 219-230.	3.0	10
128	Production of Hydrogen Peroxide in Groundwater at Rifle, Colorado. Environmental Science & Technology, 2017, 51, 7881-7891.	10.0	54
129	Silica nanoparticles alleviate cadmium toxicity in rice cells: Mechanisms and size effects. Environmental Pollution, 2017, 228, 363-369.	7.5	257
130	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
131	Redox dynamics and equilibria of c-type cytochromes in the presence of Fe(II) under anoxic conditions: Insights into enzymatic iron oxidation. Chemical Geology, 2017, 468, 97-104.	3.3	13
132	Fe(II)/Cu(II) interaction on goethite stimulated by an iron-reducing bacteria Aeromonas Hydrophila HS01 under anaerobic conditions. Chemosphere, 2017, 187, 43-51.	8.2	6
133	Effects of Cd on reductive transformation of lepidocrocite by Shewanella oneidensis MR-1. Acta Geochimica, 2017, 36, 479-481.	1.7	1
134	Detoxification and immobilization of chromite ore processing residue in spinel-based glass-ceramic. Journal of Hazardous Materials, 2017, 321, 449-455.	12.4	51
135	A novel organotrophic nitrate-reducing Fe(<scp>ii</scp>)-oxidizing bacterium isolated from paddy soil and draft genome sequencing indicate its metabolic versatility. RSC Advances, 2017, 7, 56611-56620.	3.6	8
136	Microaerobic iron oxidation and carbon assimilation and associated microbial community in paddy soil. Acta Geochimica, 2017, 36, 502-505.	1.7	7
137	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
138	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
139	Double-Barrier mechanism for chromium immobilization: A quantitative study of crystallization and leachability. Journal of Hazardous Materials, 2016, 311, 246-253.	12.4	55
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	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
142	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
143	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
144	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

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145	pH dependence of quinone-mediated extracellular electron transfer in a bioelectrochemical system. Electrochimica Acta, 2016, 213, 408-415.	5.2	29
146	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
147	In Situ Spectral Kinetics of Cr(VI) Reduction by c-Type Cytochromes in A Suspension of Living Shewanella putrefaciens 200. Scientific Reports, 2016, 6, 29592.	3.3	22
148	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
149	Enhanced visible-light photocatalytic activity of a TiO2 hydrosol assisted by H2O2: Surface complexation and kinetic modeling. Journal of Molecular Catalysis A, 2016, 414, 122-129.	4.8	22
150	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
151	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
152	Burkholderiales participating in pentachlorophenol biodegradation in iron-reducing paddy soil as identified by stable isotope probing. Environmental Sciences: Processes and Impacts, 2015, 17, 1282-1289.	3.5	16
153	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
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