

# Fan Liu

## List of Publications by Year in descending order

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169  
papers

5,658  
citations

81900

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114465

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174  
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174  
docs citations

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times ranked

5513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of <i>Lactobacillus rhamnosus</i> GG in Mulberry Galacto-Oligosaccharide Medium by Comparative Transcriptomics and Metabolomics. <i>Frontiers in Nutrition</i> , 2022, 9, 853271.	3.7	5
2	Mechanisms of efficient As(III) and As(V) removal by Ni-coprecipitated hausmannite nanocomposites. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107684.	6.7	0
3	Effects of cobalt doping on the reactivity of hausmannite for As(III) oxidation and As(V) adsorption. <i>Journal of Environmental Sciences</i> , 2022, 122, 217-226.	6.1	5
4	Facet-dependent adsorption of aluminum(III) on hematite nanocrystals and the influence on mineral transformation. <i>Environmental Science: Nano</i> , 2022, 9, 2073-2085.	4.3	5
5	Effect and fate of Ni during aging and thermal-induced phyllo-manganate-to-tectomanganate transformation. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 333, 200-215.	3.9	2
6	Transformation of the phyllo-manganate vernadite to tectomanganates with small tunnel sizes: Favorable geochemical conditions and fate of associated Co. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 295, 224-236.	3.9	12
7	Molecular-Scale Understanding of Sulfate Exchange from Schwertmannite by Chromate Versus Arsenate. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5857-5867.	10.0	35
8	SnRK1.1-mediated resistance of <i>Arabidopsis thaliana</i> to clubroot disease is inhibited by the novel <i>Plasmodiophora brassicae</i> effector PBZF1. <i>Molecular Plant Pathology</i> , 2021, 22, 1057-1069.	4.2	17
9	Cadmium Isotope Fractionation during Adsorption and Substitution with Iron (Oxyhydr)oxides. <i>Environmental Science &amp; Technology</i> , 2021, 55, 11601-11611.	10.0	58
10	Effects of Co doping on the structure and physicochemical properties of hausmannite (Mn <sub>3</sub> O <sub>4</sub> ) and its transformation during aging. <i>Chemical Geology</i> , 2021, 582, 120448.	3.3	9
11	Intrinsic mechanisms of calcium sulfite activation by siderite for atrazine degradation. <i>Chemical Engineering Journal</i> , 2021, 426, 131917.	12.7	16
12	Adsorption and precipitation of myo-inositol hexakisphosphate onto kaolinite. <i>European Journal of Soil Science</i> , 2020, 71, 226-235.	3.9	16
13	Marker-free lines of phytase-transgenic <i>Brassica napus</i> show enhanced ability to utilize phytate. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 140, 11-22.	2.3	4
14	Preference of Co over Al for substitution of Fe in goethite (̂-FeOOH) structure: Mechanism revealed from EXAFS, XPS, DFT and linear free energy correlation model. <i>Chemical Geology</i> , 2020, 532, 119378.	3.3	14
15	Effects of Co(II) ion exchange, Ni(II)- and V(V)-doping on the transformation behaviors of Cr(III) on hexagonal turbostratic birnessite-water interfaces. <i>Environmental Pollution</i> , 2020, 256, 113462.	7.5	17
16	Transformation of Ni-containing birnessite to tectomanganate: Influence and fate of weakly bound Ni(II) species. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 271, 96-115.	3.9	11
17	Coupled morphological and structural evolution of ̂-MnO <sub>2</sub> to ̂-MnO <sub>2</sub> through multistage oriented assembly processes: the role of Mn(III). <i>Environmental Science: Nano</i> , 2020, 7, 238-249.	4.3	10
18	Highly enhanced oxidation of arsenite at the surface of birnessite in the presence of pyrophosphate and the underlying reaction mechanisms. <i>Water Research</i> , 2020, 187, 116420.	11.3	17

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19	Comparing the Infection Biology of <i>Plasmodiophora brassicae</i> in Clubroot Susceptible and Resistant Hosts and Non-hosts. <i>Frontiers in Microbiology</i> , 2020, 11, 507036.	3.5	14
20	Effects of Al substitution on local structure and morphology of lepidocrocite and its phosphate adsorption kinetics. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 109-121.	3.9	27
21	Formation and transformation of schwertmannite through direct Fe <sup>3+</sup> hydrolysis under various geochemical conditions. <i>Environmental Science: Nano</i> , 2020, 7, 2385-2398.	4.3	14
22	The alkaline photo-sulfite system triggers Fe(IV/V) generation at hematite surfaces. <i>Chemical Engineering Journal</i> , 2020, 401, 126124.	12.7	20
23	Quantitative investigation of ZnO nanoparticle dissolution in the presence of <sup>54</sup> MnO <sub>2</sub> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 14751-14762.	5.3	3
24	Adsorption of Cr(VI) on Al-substituted hematites and its reduction and retention in the presence of Fe <sup>2+</sup> under conditions similar to subsurface soil environments. <i>Journal of Hazardous Materials</i> , 2020, 390, 122014.	12.4	43
25	Epitaxial growth mechanism of heterogeneous catalytic oxidation of Mn(II) on manganite under oxic conditions. <i>Chemical Geology</i> , 2020, 547, 119670.	3.3	6
26	The Speciation of Cd in Cd-Fe Coprecipitates: Does Cd Substitute for Fe in Goethite Structure?. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2225-2236.	2.7	20
27	Solar Irradiation Induced Transformation of Ferrihydrite in the Presence of Aqueous Fe <sup>2+</sup> . <i>Environmental Science &amp; Technology</i> , 2019, 53, 8854-8861.	10.0	34
28	Identification and differential expression analysis of anthocyanin biosynthetic genes in leaf color variants of ornamental kale. <i>BMC Genomics</i> , 2019, 20, 564.	2.8	24
29	Identification and Characterization of <i>Plasmodiophora brassicae</i> Primary Infection Effector Candidates that Suppress or Induce Cell Death in Host and Nonhost Plants. <i>Phytopathology</i> , 2019, 109, 1689-1697.	2.2	36
30	Effects of myo-inositol hexakisphosphate, ferrihydrite coating, ionic strength and pH on the transport of TiO <sub>2</sub> nanoparticles in quartz sand. <i>Environmental Pollution</i> , 2019, 252, 1193-1201.	7.5	11
31	ChIP-cloning analysis uncovers centromere-specific retrotransposons in <i>Brassica nigra</i> and reveals their rapid diversification in <i>Brassica</i> allotetraploids. <i>Chromosoma</i> , 2019, 128, 119-131.	2.2	10
32	Effects of Mn <sup>2+</sup> , Ni <sup>2+</sup> , and Cu <sup>2+</sup> on the Formation and Transformation of Hydrosulfate Green Rust: Reaction Processes and Underlying Mechanisms. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 519-530.	2.7	14
33	The catalytic effect of AQDS as an electron shuttle on Mn(II) oxidation to birnessite on ferrihydrite at circumneutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 247, 175-190.	3.9	19
34	Transformation of Co-containing birnessite to todorokite: Effect of Co on the transformation and implications for Co mobility. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 246, 21-40.	3.9	38
35	Formation of Zn-Al layered double hydroxides (LDH) during the interaction of ZnO nanoparticles (NPs) with <sup>13</sup> -Al <sub>2</sub> O <sub>3</sub> . <i>Science of the Total Environment</i> , 2019, 650, 1980-1987.	8.0	28
36	Transformation of clay minerals in nanoparticles of several zonal soils in China. <i>Journal of Soils and Sediments</i> , 2019, 19, 211-220.	3.0	20

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37	A Quantitative Model for the Coupled Kinetics of Arsenic Adsorption/Desorption and Oxidation on Manganese Oxides. <i>Environmental Science and Technology Letters</i> , 2018, 5, 175-180.	8.7	44
38	Structure and properties of vanadium-doped $\gamma$ -MnO <sub>2</sub> and enhanced Pb <sup>2+</sup> adsorption phenol/photocatalytic degradation. <i>Materials Chemistry and Physics</i> , 2018, 208, 258-267.	4.0	24
39	Symbiosis mechanism of iron and manganese oxides in oxic aqueous systems. <i>Chemical Geology</i> , 2018, 488, 162-170.	3.3	18
40	Dissolution and phase transformation processes of hausmannite in acidic aqueous systems under anoxic conditions. <i>Chemical Geology</i> , 2018, 487, 54-62.	3.3	28
41	Coordination geometry of Zn <sup>2+</sup> on hexagonal turbostratic birnessites with different Mn average oxidation states and its stability under acid dissolution. <i>Journal of Environmental Sciences</i> , 2018, 65, 282-292.	6.1	13
42	Efficient catalytic As(III) oxidation on the surface of ferrihydrite in the presence of aqueous Mn(II). <i>Water Research</i> , 2018, 128, 92-101.	11.3	66
43	Enhanced photocatalytic H <sub>2</sub> -production activity of C-dots modified g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> nanosheets composites. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 866-876.	9.4	178
44	Interaction mechanism and kinetics of ferrous sulfide and manganese oxides in aqueous system. <i>Journal of Soils and Sediments</i> , 2018, 18, 564-575.	3.0	6
45	Effect of Cd and Al Coincorporation on the Structures and Properties of Goethite. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 1283-1293.	2.7	8
46	Photochemical Formation and Transformation of Birnessite: Effects of Cations on Micromorphology and Crystal Structure. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6864-6871.	10.0	45
47	Synthetic Polymer Affinity Ligand for <i>Bacillus thuringiensis</i> ( <i>Bt</i> ) Cry1Ab/Ac Protein: The Use of Biomimicry Based on the <i>Bt</i> Protein's Insect Receptor Binding Mechanism. <i>Journal of the American Chemical Society</i> , 2018, 140, 6853-6864.	13.7	26
48	Effects of <i>Myo</i> -inositol Hexakisphosphate on Zn(II) Sorption on $\gamma$ -Alumina: A Mechanistic Study. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 787-796.	2.7	15
49	CD-MUSIC-EDL Modeling of Pb <sup>2+</sup> Adsorption on Birnessites: Role of Vacant and Edge Sites. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10522-10531.	10.0	30
50	Photochemical oxidation and dissolution of arsenopyrite in acidic solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 173-185.	3.9	38
51	Jasmonic Acid-Mediated Aliphatic Glucosinolate Metabolism Is Involved in Clubroot Disease Development in <i>Brassica napus</i> L.. <i>Frontiers in Plant Science</i> , 2018, 9, 750.	3.6	36
52	The preferential retention of VI <sub>Zn</sub> over IV <sub>Zn</sub> on birnessite during dissolution/desorption. <i>Applied Clay Science</i> , 2018, 161, 169-175.	5.2	8
53	Genome-wide identification, and phylogenetic and expression profiling analyses of CaM and CML genes in <i>Brassica rapa</i> and <i>Brassica oleracea</i> . <i>Gene</i> , 2018, 677, 232-244.	2.2	13
54	Effects of Mn average oxidation state on the oxidation behaviors of As(III) and Cr(III) by vernadite. <i>Applied Geochemistry</i> , 2018, 94, 35-45.	3.0	23

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55	High-performance Cu <sup>2+</sup> adsorption of birnessite using electrochemically controlled redox reactions. <i>Journal of Hazardous Materials</i> , 2018, 354, 107-115.	12.4	50
56	Catalytic oxidation of arsenite and reaction pathways on the surface of CuO nanoparticles at a wide range of pHs. <i>Geochemical Transactions</i> , 2018, 19, 12.	0.7	14
57	The distinct effects of isomorphous substitution of various divalence trace metals on hematite structure. <i>Materials Chemistry and Physics</i> , 2018, 217, 40-47.	4.0	5
58	Zinc removal from aqueous solution using a deionization pseudocapacitor with a high-performance nanostructured birnessite electrode. <i>Environmental Science: Nano</i> , 2017, 4, 811-823.	4.3	18
59	Comparison of Archaeal Populations in Soil and Their Encapsulated Iron-Manganese Nodules in Four Locations Spanning from North to South China. <i>Geomicrobiology Journal</i> , 2017, 34, 811-822.	2.0	3
60	Mechanisms of Mn(II) catalytic oxidation on ferrihydrite surfaces and the formation of manganese (oxyhydr)oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 79-96.	3.9	100
61	Distinct effects of Al <sup>3+</sup> doping on the structure and properties of hexagonal turbostratic birnessite: A comparison with Fe <sup>3+</sup> doping. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 208, 268-284.	3.9	26
62	Self-assembly of birnessite nanoflowers by staged three-dimensional oriented attachment. <i>Environmental Science: Nano</i> , 2017, 4, 1656-1669.	4.3	24
63	Effects of polyphosphates and orthophosphate on the dissolution and transformation of ZnO nanoparticles. <i>Chemosphere</i> , 2017, 176, 255-265.	8.2	28
64	In situ detection of intermediates from the interaction of dissolved sulfide and manganese oxides with a platinum electrode in aqueous systems. <i>Environmental Chemistry</i> , 2017, 14, 178.	1.5	3
65	Enhancement of Zn <sup>2+</sup> and Ni <sup>2+</sup> removal performance using a deionization pseudocapacitor with nanostructured birnessite and its carbon nanotube composite electrodes. <i>Chemical Engineering Journal</i> , 2017, 328, 464-473.	12.7	44
66	Local structure of Cu <sup>2+</sup> in Cu-doped hexagonal turbostratic birnessite and Cu <sup>2+</sup> stability under acid treatment. <i>Chemical Geology</i> , 2017, 466, 512-523.	3.3	31
67	Rapid determination of the Mn average oxidation state of Mn oxides with a novel two-step colorimetric method. <i>Analytical Methods</i> , 2017, 9, 103-109.	2.7	40
68	Oxidation and Catalytic Oxidation of Dissolved Sulfide By Manganite in Aqueous Systems. <i>Clays and Clay Minerals</i> , 2017, 65, 299-309.	1.3	8
69	THE PROPERTIES OF CLAY MINERALS IN SOIL PARTICLES FROM TWO ULTISOLS, CHINA. <i>Clays and Clay Minerals</i> , 2017, 65, 273-285.	1.3	19
70	Influences and Mechanisms of As(V) Concentration and Environmental Factors on Hydrosulfate Green Rust Transformation. <i>Acta Chimica Sinica</i> , 2017, 75, 608.	1.4	4
71	Cadmium Removal from Aqueous Solution by a Deionization Supercapacitor with a Birnessite Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34405-34413.	8.0	67
72	Host Range of <i>Plasmodiophora brassicae</i> on Cruciferous Crops and Weeds in China. <i>Plant Disease</i> , 2016, 100, 933-939.	1.4	26

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73	Putative role of IAA during the early response of <i>Brassica napus</i> L. to <i>Plasmodiophora brassicae</i> . <i>European Journal of Plant Pathology</i> , 2016, 145, 601-613.	1.7	25
74	A sol-gel derived pH-responsive bovine serum albumin molecularly imprinted poly(ionic liquids) on the surface of multiwall carbon nanotubes. <i>Analytica Chimica Acta</i> , 2016, 932, 29-40.	5.4	49
75	Preparation and characterization of biocompatible molecularly imprinted poly(ionic liquid) films on the surface of multi-walled carbon nanotubes. <i>RSC Advances</i> , 2016, 6, 43526-43538.	3.6	21
76	Enhanced Dissolution and Transformation of ZnO Nanoparticles: The Role of Inositol Hexakisphosphate. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5651-5660.	10.0	60
77	The associations of heavy metals with crystalline iron oxides in the polluted soils around the mining areas in Guangdong Province, China. <i>Chemosphere</i> , 2016, 161, 181-189.	8.2	82
78	Facile synthesis of birnessite-type manganese oxide nanoparticles as supercapacitor electrode materials. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 183-192.	9.4	36
79	Mechanisms on the morphology variation of hematite crystals by Al substitution: The modification of Fe and O reticular densities. <i>Scientific Reports</i> , 2016, 6, 35960.	3.3	43
80	Size-controlled synthesis and formation mechanism of manganese oxide OMS-2 nanowires under reflux conditions with KMnO <sub>4</sub> and inorganic acids. <i>Solid State Sciences</i> , 2016, 55, 152-158.	3.2	13
81	Surface speciation of myo-inositol hexakisphosphate adsorbed on TiO <sub>2</sub> nanoparticles and its impact on their colloidal stability in aqueous suspension: A comparative study with orthophosphate. <i>Science of the Total Environment</i> , 2016, 544, 134-142.	8.0	24
82	Characteristics of clay minerals in soil particles of two Alfisols in China. <i>Applied Clay Science</i> , 2016, 120, 51-60.	5.2	31
83	Facile crystal-structure-controlled synthesis of iron oxides for adsorbents and anode materials of lithium batteries. <i>Materials Chemistry and Physics</i> , 2016, 170, 239-245.	4.0	17
84	Effects of Al <sup>3+</sup> doping on the structure and properties of goethite and its adsorption behavior towards phosphate. <i>Journal of Environmental Sciences</i> , 2016, 45, 18-27.	6.1	31
85	Influence factors for the oxidation of pyrite by oxygen and birnessite in aqueous systems. <i>Journal of Environmental Sciences</i> , 2016, 45, 164-176.	6.1	25
86	Redox Reactions between Mn(II) and Hexagonal Birnessite Change Its Layer Symmetry. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1750-1758.	10.0	102
87	Effects of crystallite size on the structure and magnetism of ferrihydrite. <i>Environmental Science: Nano</i> , 2016, 3, 190-202.	4.3	77
88	The Presence of Ferrihydrite Promotes Abiotic Formation of Manganese (Oxyhydr)oxides. <i>Soil Science Society of America Journal</i> , 2015, 79, 1297-1305.	2.2	35
89	Formation of todorokite from $\alpha$ -disordered-H <sup>+</sup> -birnessites: the roles of average manganese oxidation state and interlayer cations. <i>Geochemical Transactions</i> , 2015, 16, 8.	0.7	25
90	Desorption of myo-inositol hexakisphosphate and phosphate from goethite by different reagents. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 878-887.	1.9	20

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91	Interaction mechanisms and kinetics of ferrous ion and hexagonal birnessite in aqueous systems. <i>Geochemical Transactions</i> , 2015, 16, 16.	0.7	22
92	Absorption mechanisms of Cu <sup>2+</sup> on a biogenic bixbyite-like Mn <sub>2</sub> O <sub>3</sub> produced by <i>Bacillus CUA</i> isolated from soil. <i>Geochemical Transactions</i> , 2015, 16, 5.	0.7	6
93	Structure and properties of Co-doped cryptomelane and its enhanced removal of Pb <sup>2+</sup> and Cr <sup>3+</sup> from wastewater. <i>Journal of Environmental Sciences</i> , 2015, 34, 77-85.	6.1	30
94	Structure and properties of vanadium(V)-doped hexagonal turbostratic birnessite and its enhanced scavenging of Pb <sup>2+</sup> from solutions. <i>Journal of Hazardous Materials</i> , 2015, 288, 80-88.	12.4	30
95	Surface Mn(II) oxidation actuated by a multicopper oxidase in a soil bacterium leads to the formation of manganese oxide minerals. <i>Scientific Reports</i> , 2015, 5, 10895.	3.3	39
96	High Co-doping promotes the transition of birnessite layer symmetry from orthogonal to hexagonal. <i>Chemical Geology</i> , 2015, 410, 12-20.	3.3	27
97	Oxidation process of dissolvable sulfide by synthesized todorokite in aqueous systems. <i>Journal of Hazardous Materials</i> , 2015, 290, 106-116.	12.4	24
98	Fe-doped cryptomelane synthesized by refluxing at atmosphere: Structure, properties and photocatalytic degradation of phenol. <i>Journal of Hazardous Materials</i> , 2015, 296, 221-229.	12.4	46
99	Size-dependent sorption of myo-inositol hexakisphosphate and orthophosphate on nano- $\gamma$ -Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Colloid and Interface Science</i> , 2015, 451, 85-92.	9.4	33
100	Geochemical Characteristics of Trace Elements in Argillans of Alfisols in Central China. <i>Pedosphere</i> , 2015, 25, 415-427.	4.0	6
101	Effects of phosphate and silicate on the transformation of hydroxycarbonate green rust to ferric oxyhydroxides. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 171, 1-14.	3.9	27
102	Microcalorimetric Study on the Growth and Metabolism of a Manganese-Oxidizing Bacterium and its Mutant Strain. <i>Geomicrobiology Journal</i> , 2015, 32, 585-593.	2.0	1
103	Transformation from Phyllo-manganates to Todorokite under Various Conditions: A Review of Implication for Formation Pathway of Natural Todorokite. <i>ACS Symposium Series</i> , 2015, , 107-134.	0.5	4
104	Influence of vanadium doping on the supercapacitance performance of hexagonal birnessite. <i>Journal of Power Sources</i> , 2015, 277, 26-35.	7.8	32
105	Graphene-modified nanosized Ag <sub>3</sub> PO <sub>4</sub> photocatalysts for enhanced visible-light photocatalytic activity and stability. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 196-203.	20.2	298
106	Iron-Manganese Nodules Harbor Lower Bacterial Diversity and Greater Proportions of Proteobacteria Compared to Bulk Soils in Four Locations Spanning from North to South China. <i>Geomicrobiology Journal</i> , 2014, 31, 562-577.	2.0	17
107	Catalytic oxidation of manganese(II) by multicopper oxidase CueO and characterization of the biogenic Mn oxide. <i>Water Research</i> , 2014, 56, 304-313.	11.3	71
108	Synthesis and Visible-Light Photocatalytic Performance of Cadmium Sulfide and Oxide Hexagonal Nanoplates. <i>ChemPlusChem</i> , 2014, 79, 1726-1732.	2.8	7

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109	Effects of crystalline phase and morphology on the visible light photocatalytic H <sub>2</sub> -production activity of CdS nanocrystals. <i>Dalton Transactions</i> , 2014, 43, 7245-7253.	3.3	99
110	Facile hydrothermal synthesis and electrochemical properties of orthorhombic LiMnO <sub>2</sub> cathode materials for rechargeable lithium batteries. <i>RSC Advances</i> , 2014, 4, 13693-13703.	3.6	21
111	Effects of Co and Ni co-doping on the physicochemical properties of cryptomelane and its enhanced performance on photocatalytic degradation of phenol. <i>Materials Chemistry and Physics</i> , 2014, 148, 783-789.	4.0	13
112	One-step synthesis of $\gamma$ -MnO <sub>2</sub> nanoparticles using ascorbic acid and their scavenging properties to Pb(II), Zn(II) and methylene blue. <i>Materials Chemistry and Physics</i> , 2014, 148, 1149-1156.	4.0	12
113	Zn sorption to biogenic bixbyite-like Mn <sub>2</sub> O <sub>3</sub> produced by <i>Bacillus CUA</i> isolated from soil: XAFS study with constraints on sorption mechanism. <i>Chemical Geology</i> , 2014, 389, 82-90.	3.3	18
114	One-step hydrothermal synthesis of LiMn <sub>2</sub> O <sub>4</sub> cathode materials for rechargeable lithium batteries. <i>Solid State Sciences</i> , 2014, 31, 16-23.	3.2	38
115	Effects of Co and Ni co-doping on the structure and reactivity of hexagonal birnessite. <i>Chemical Geology</i> , 2014, 381, 10-20.	3.3	66
116	Transformation of hydroxycarbonate green rust into crystalline iron (hydr)oxides: Influences of reaction conditions and underlying mechanisms. <i>Chemical Geology</i> , 2013, 351, 57-65.	3.3	36
117	Effects of Fe doping on the structures and properties of hexagonal birnessites – Comparison with Co and Ni doping. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 1-15.	3.9	71
118	Characteristics of Phosphate Adsorption-Desorption Onto Ferrihydrite. <i>Soil Science</i> , 2013, 178, 1-11.	0.9	155
119	Microstructure, Interaction Mechanisms, and Stability of Binary Systems Containing Goethite and Kaolinite. <i>Soil Science Society of America Journal</i> , 2012, 76, 389-398.	2.2	28
120	Fourier transform infrared spectroscopy study of acid birnessites before and after Pb <sup>2+</sup> adsorption. <i>Clay Minerals</i> , 2012, 47, 191-204.	0.6	44
121	Role of Counteranions in Sol-Gel-Derived Alkoxy-Functionalized Ionic-Liquid-Based Organic-Inorganic Hybrid Coatings for SPME. <i>Chromatographia</i> , 2012, 75, 1421-1433.	1.3	20
122	Sorption behavior of heavy metals on birnessite: Relationship with its Mn average oxidation state and implications for types of sorption sites. <i>Chemical Geology</i> , 2012, 292-293, 25-34.	3.3	157
123	Characterization of Ni-rich hexagonal birnessite and its geochemical effects on aqueous Pb <sup>2+</sup> /Zn <sup>2+</sup> and As(III). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 93, 47-62.	3.9	83
124	One-step synthesis of sea urchin-like $\gamma$ -MnO <sub>2</sub> using KIO <sub>4</sub> as the oxidant and its oxidation of arsenite. <i>Materials Letters</i> , 2012, 77, 60-62.	2.6	16
125	Synthesis of hureaulite by a reflux process at ambient temperature and pressure. <i>Microporous and Mesoporous Materials</i> , 2012, 153, 115-123.	4.4	17
126	Large-scale size-controlled synthesis of cryptomelane-type manganese oxide OMS-2 in lateral and longitudinal directions. <i>Journal of Materials Chemistry</i> , 2011, 21, 5223.	6.7	23

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127	Environmental significance of mineral weathering and pedogenesis of loess on the southernmost Loess Plateau, China. <i>Geoderma</i> , 2011, 163, 219-226.	5.1	41
128	Effect of Cobalt-Doped Framework on Formation of Todorokite from Layered Manganese Oxides with Mg <sup>2+</sup> /Co <sup>2+</sup> Ions as Template. <i>Pedosphere</i> , 2011, 21, 730-737.	4.0	3
129	Roles of manganese oxides in degradation of phenol under UV-Vis irradiation: Adsorption, oxidation, and photocatalysis. <i>Journal of Environmental Sciences</i> , 2011, 23, 1904-1910.	6.1	31
130	Formation and Transformation of Iron Oxide-Kaolinite Associations in the Presence of Iron(II). <i>Soil Science Society of America Journal</i> , 2011, 75, 45-55.	2.2	18
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