

Wenfeng Tan

List of Publications by Year in descending order

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200
papers

6,061
citations

66343

42
h-index

118850

62
g-index

204
all docs

204
docs citations

204
times ranked

5290
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppressed phosphorus-mineralizing bacteria after three decades of fertilization. <i>Agriculture, Ecosystems and Environment</i> , 2022, 323, 107679.	5.3	15
2	Disentangling drivers of soil microbial nutrient limitation in intensive agricultural and natural ecosystems. <i>Science of the Total Environment</i> , 2022, 806, 150555.	8.0	13
3	Photoinduced Self-Organized Precipitation in Leachate for Remediation of Heavy Metal Contaminated Soils. <i>ACS ES&T Engineering</i> , 2022, 2, 1376-1385.	7.6	5
4	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
5	Abiotic Synthetic Antibodies to Target a Specific Protein Domain and Inhibit Its Function. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	8.0	3
6	Effect of humic acid on lysozyme interaction with montmorillonite and kaolinite. <i>Science of the Total Environment</i> , 2022, 834, 155370.	8.0	4
7	Spectroscopic investigation of conformational changes in urease caused by interaction with humic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112510.	5.0	2
8	Highly efficient removal of Cu-organic chelate complexes by flow-electrode capacitive deionization-self enhanced oxidation (FCDI-SEO): Dissociation, migration and degradation. <i>Chemical Engineering Journal</i> , 2022, 445, 136811.	12.7	9
9	Sequestration of heavy metals in soil aggregates induced by glomalin-related soil protein: A five-year phytoremediation field study. <i>Journal of Hazardous Materials</i> , 2022, 437, 129445.	12.4	14
10	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
11	Structural-controlled formation of nano-particle hematite and their removal performance for heavy metal ions: A review. <i>Chemosphere</i> , 2022, 306, 135540.	8.2	6
12	Formation and transformation of manganese(III) intermediates in the photochemical generation of manganese(IV) oxide minerals. <i>Chemosphere</i> , 2021, 262, 128082.	8.2	9
13	Facet-dependent surface charge and Pb ²⁺ adsorption characteristics of hematite nanoparticles: CD-MUSIC-eSGC modeling. <i>Environmental Research</i> , 2021, 196, 110383.	7.5	6
14	Arsenic detoxification by iron-manganese nodules under electrochemically controlled redox: Mechanism and application. <i>Journal of Hazardous Materials</i> , 2021, 403, 123912.	12.4	19
15	Quantitative analysis of Pb adsorption on sulfhydryl-modified biochar. <i>Biochar</i> , 2021, 3, 37-49.	12.6	24
16	Molecular-Scale Understanding of Sulfate Exchange from Schwertmannite by Chromate Versus Arsenate. <i>Environmental Science & Technology</i> , 2021, 55, 5857-5867.	10.0	35
17	Conformational modifications of lysozyme caused by interaction with humic acid studied with spectroscopy. <i>Science of the Total Environment</i> , 2021, 768, 144858.	8.0	7
18	Short-term effect of manure and straw application on bacterial and fungal community compositions and abundances in an acidic paddy soil. <i>Journal of Soils and Sediments</i> , 2021, 21, 3057-3071.	3.0	13

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19	Plant litter quality regulates soil eco-enzymatic stoichiometry and microbial nutrient limitation in a citrus orchard. <i>Plant and Soil</i> , 2021, 466, 179-191.	3.7	19
20	Microstructure of Al-substituted goethite and its adsorption performance for Pb(II) and As(V). <i>Science of the Total Environment</i> , 2021, 790, 148202.	8.0	11
21	Influence of reduction on the fluorescent units and proton binding of humic acids: Synchronous fluorescence spectrum and NICA-Donnan modeling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127000.	4.7	1
22	Insights into the improving mechanism of defect-mediated As(V) adsorption on hematite nanoplates. <i>Chemosphere</i> , 2021, 280, 130597.	8.2	11
23	Intrinsic mechanisms of calcium sulfite activation by siderite for atrazine degradation. <i>Chemical Engineering Journal</i> , 2021, 426, 131917.	12.7	16
24	Quantitative Characterization of the Site Density and the Charged State of Functional Groups on Biochar. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2600-2608.	6.7	17
25	Regional differences in mineral weathering characteristics of zonal soils under intensive agriculture. <i>Applied Clay Science</i> , 2021, 215, 106336.	5.2	4
26	Adsorption and precipitation of <i>inositol hexakisphosphate</i> onto kaolinite. <i>European Journal of Soil Science</i> , 2020, 71, 226-235.	3.9	16
27	Preference of Co over Al for substitution of Fe in goethite ($\hat{\Gamma}$ -FeOOH) structure: Mechanism revealed from EXAFS, XPS, DFT and linear free energy correlation model. <i>Chemical Geology</i> , 2020, 532, 119378.	3.3	14
28	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
29	Synergistic adsorption of Cd(II) and As(V) on birnessite under electrochemical control. <i>Chemosphere</i> , 2020, 247, 125822.	8.2	11
30	Coupled morphological and structural evolution of $\hat{\Gamma}$ -MnO ₂ to $\hat{\Gamma}$ -MnO ₂ through multistage oriented assembly processes: the role of Mn(III). <i>Environmental Science: Nano</i> , 2020, 7, 238-249.	4.3	10
31	High-efficiency As(III) oxidation and electrocoagulation removal using hematite with a charge-discharge technique. <i>Science of the Total Environment</i> , 2020, 703, 135678.	8.0	14
32	As(III) adsorption on Fe-Mn binary oxides: Are Fe and Mn oxides synergistic or antagonistic for arsenic removal?. <i>Chemical Engineering Journal</i> , 2020, 389, 124470.	12.7	98
33	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
34	Goethite effects on transport and activity of lysozyme with humic acid in quartz sand. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125319.	4.7	4
35	Remediation of heavy metal contaminated soils by organic acid extraction and electrochemical adsorption. <i>Environmental Pollution</i> , 2020, 264, 114745.	7.5	85
36	Molecular Mechanisms of Lead Binding to Ferrihydrite-Bacteria Composites: ITC, XAFS, and $\hat{\Gamma}$ -XRF Investigations. <i>Environmental Science & Technology</i> , 2020, 54, 4016-4025.	10.0	26

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37	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
38	Equilibrium mono- and multicomponent adsorption models: From homogeneous ideal to heterogeneous non-ideal binding. <i>Advances in Colloid and Interface Science</i> , 2020, 280, 102138.	14.7	42
39	Adsorption and catalytic oxidation of arsenite on Fe-Mn nodules in the presence of oxygen. <i>Chemosphere</i> , 2020, 259, 127503.	8.2	20
40	The alkaline photo-sulfite system triggers Fe(IV/V) generation at hematite surfaces. <i>Chemical Engineering Journal</i> , 2020, 401, 126124.	12.7	20
41	Resolving humic and fulvic acids in binary systems influenced by adsorptive fractionation to Fe-(hydr)oxide with focus on UV-Vis analysis. <i>Chemical Engineering Journal</i> , 2020, 389, 124380.	12.7	6
42	Quantitative investigation of ZnO nanoparticle dissolution in the presence of Fe-MnO ₂ . <i>Environmental Science and Pollution Research</i> , 2020, 27, 14751-14762.	5.3	3
43	Interaction mechanism of dissolved Cr(VI) and manganite in the presence of goethite coating. <i>Environmental Pollution</i> , 2020, 260, 114046.	7.5	8
44	Catalytic oxidation and adsorption of Cr(III) on iron-manganese nodules under oxic conditions. <i>Journal of Hazardous Materials</i> , 2020, 390, 122166.	12.4	30
45	Effects of aluminum substitution on the surface charge of colloidal goethite particles: experiments and MUSIC modeling. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38397-38406.	5.3	11
46	Electrochemical adsorption of cadmium and arsenic by natural Fe-Mn nodules. <i>Journal of Hazardous Materials</i> , 2020, 390, 122165.	12.4	26
47	XPS and two-dimensional FTIR correlation analysis on the binding characteristics of humic acid onto kaolinite surface. <i>Science of the Total Environment</i> , 2020, 724, 138154.	8.0	67
48	Arsenic release from arsenopyrite oxidative dissolution in the presence of citrate under UV irradiation. <i>Science of the Total Environment</i> , 2020, 726, 138429.	8.0	17
49	High manure load reduces bacterial diversity and network complexity in a paddy soil under crop rotations. <i>Soil Ecology Letters</i> , 2020, 2, 104-119.	4.5	43
50	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
51	Natural grassland as the optimal pattern of vegetation restoration in arid and semi-arid regions: Evidence from nutrient limitation of soil microbes. <i>Science of the Total Environment</i> , 2019, 648, 388-397.	8.0	164
52	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
53	Solar Irradiation Induced Transformation of Ferrihydrite in the Presence of Aqueous Fe ²⁺ . <i>Environmental Science & Technology</i> , 2019, 53, 8854-8861.	10.0	34
54	Mixed ad/desorption kinetics unraveled with the equilibrium adsorption isotherm. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 709-722.	4.7	16

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55	Enhanced adsorption removal of arsenic from mining wastewater using birnessite under electrochemical redox reactions. <i>Chemical Engineering Journal</i> , 2019, 375, 122051.	12.7	54
56	Impact of low-molecular weight organic acids on selenite immobilization by goethite: Understanding a competitive-synergistic coupling effect and speciation transformation. <i>Science of the Total Environment</i> , 2019, 684, 694-704.	8.0	21
57	Effects of myo-inositol hexakisphosphate, ferrihydrite coating, ionic strength and pH on the transport of TiO ₂ nanoparticles in quartz sand. <i>Environmental Pollution</i> , 2019, 252, 1193-1201.	7.5	11
58	Factor contribution to soil organic and inorganic carbon accumulation in the Loess Plateau: Structural equation modeling. <i>Geoderma</i> , 2019, 352, 116-125.	5.1	62
59	Spatial analysis of soil aggregate stability in a small catchment of the Loess Plateau, China: II. Spatial prediction. <i>Soil and Tillage Research</i> , 2019, 192, 1-11.	5.6	25
60	Al-substitution-induced defect sites enhance adsorption of Pb ²⁺ on hematite. <i>Environmental Science: Nano</i> , 2019, 6, 1323-1331.	4.3	26
61	Selective adsorption of soil humic acid on binary systems containing kaolinite and goethite: Assessment of sorbent interactions. <i>European Journal of Soil Science</i> , 2019, 70, 1098-1107.	3.9	10
62	Lead binding to wild metal-resistant bacteria analyzed by ITC and XAFS spectroscopy. <i>Environmental Pollution</i> , 2019, 250, 118-126.	7.5	24
63	Origin of Smectite in Salinized Soil of Junggar Basin in Xinjiang of China. <i>Minerals (Basel)</i> , 2019, 9, 1078-1107.	2.0	3
64	Photochemical Formation Process of Schwertmannite on Montmorillonite and Corresponding Cr(VI) Adsorption Capacity. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 718-727.	2.7	23
65	Improved removal capacity of magnetite for Cr(VI) by electrochemical reduction. <i>Journal of Hazardous Materials</i> , 2019, 374, 26-34.	12.4	108
66	Effects of Mn ²⁺ , Ni ²⁺ , and Cu ²⁺ 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
67	Formation and Morphology Evolution from Ferrihydrite to Hematite in the Presence of Tartaric Acid. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 562-570.	2.7	9
68	Phosphate speciation on Al-substituted goethite: ATR-FTIR/2D-COS and CD-MUSIC modeling. <i>Environmental Science: Nano</i> , 2019, 6, 3625-3637.	4.3	25
69	Arbuscular mycorrhizal mycelial networks and glomalin-related soil protein increase soil aggregation in Calcaric Regosol under well-watered and drought stress conditions. <i>Soil and Tillage Research</i> , 2019, 185, 1-8.	5.6	85
70	Patterns of soil microbial nutrient limitations and their roles in the variation of soil organic carbon across a precipitation gradient in an arid and semi-arid region. <i>Science of the Total Environment</i> , 2019, 658, 1440-1451.	8.0	108
71	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
72	Spatio-temporal dynamics of soil moisture driven by "Grain for Green" program on the Loess Plateau, China. <i>Agriculture, Ecosystems and Environment</i> , 2019, 269, 204-214.	5.3	58

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73	Cd ²⁺ adsorption performance of tunnel-structured manganese oxides driven by electrochemically controlled redox. <i>Environmental Pollution</i> , 2019, 244, 783-791.	7.5	33
74	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
75	Formation of Zn-Al layered double hydroxides (LDH) during the interaction of ZnO nanoparticles (NPs) with ¹³ C-Al ₂ O ₃ . <i>Science of the Total Environment</i> , 2019, 650, 1980-1987.	8.0	28
76	Proton and Copper Binding to Humic Acids Analyzed by XAFS Spectroscopy and Isothermal Titration Calorimetry. <i>Environmental Science & Technology</i> , 2018, 52, 4099-4107.	10.0	48
77	Enhanced oxidation of arsenite to arsenate using tunable K ⁺ concentration in the OMS-2 tunnel. <i>Environmental Pollution</i> , 2018, 238, 524-531.	7.5	11
78	Spatial analysis of soil aggregate stability in a small catchment of the Loess Plateau, China: I. Spatial variability. <i>Soil and Tillage Research</i> , 2018, 179, 71-81.	5.6	50
79	Roles of different types of oxalate surface complexes in dissolution process of ferrihydrite aggregates. <i>Scientific Reports</i> , 2018, 8, 2060.	3.3	17
80	Contribution of Soil Active Components to the Control of Heavy Metal Speciation. , 2018, , 165-188.		0
81	Effect of Soil Fulvic and Humic Acids on Pb Binding to the Goethite/Solution Interface: Ligand Charge Distribution Modeling and Speciation Distribution of Pb. <i>Environmental Science & Technology</i> , 2018, 52, 1348-1356.	10.0	45
82	Symbiosis mechanism of iron and manganese oxides in oxic aqueous systems. <i>Chemical Geology</i> , 2018, 488, 162-170.	3.3	18
83	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
84	Mechanisms of interaction between arsenian pyrite and aqueous arsenite under anoxic and oxic conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 228, 205-219.	3.9	40
85	Abiotic photomineralization and transformation of iron oxide nanominerals in aqueous systems. <i>Environmental Science: Nano</i> , 2018, 5, 1169-1178.	4.3	13
86	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
87	Effect of citrate on the species and levels of Al impurities in ferrihydrite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 539, 140-147.	4.7	8
88	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
89	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
90	Effective Zinc Adsorption Driven by Electrochemical Redox Reactions of Birnessite Nanosheets Generated by Solar Photochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13907-13914.	6.7	8

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91	Profile distribution of soil organic and inorganic carbon following revegetation on the Loess Plateau, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30301-30314.	5.3	10
92	Photochemical Formation and Transformation of Birnessite: Effects of Cations on Micromorphology and Crystal Structure. <i>Environmental Science & Technology</i> , 2018, 52, 6864-6871.	10.0	45
93	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
94	Quantitative and structural analysis of minerals in soil clay fractions developed under different climate zones in China by XRD with Rietveld method, and its implications for pedogenesis. <i>Applied Clay Science</i> , 2018, 162, 351-361.	5.2	27
95	Influence of humic acid on transport, deposition and activity of lysozyme in quartz sand. <i>Environmental Pollution</i> , 2018, 242, 298-306.	7.5	11
96	Effects of <i>Myo</i> -inositol Hexakisphosphate on Zn(II) Sorption on γ -Alumina: A Mechanistic Study. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 787-796.	2.7	15
97	CD-MUSIC-EDL Modeling of Pb ²⁺ Adsorption on Birnessites: Role of Vacant and Edge Sites. <i>Environmental Science & Technology</i> , 2018, 52, 10522-10531.	10.0	30
98	Photochemical oxidation and dissolution of arsenopyrite in acidic solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 173-185.	3.9	38
99	High-performance Cu ²⁺ adsorption of birnessite using electrochemically controlled redox reactions. <i>Journal of Hazardous Materials</i> , 2018, 354, 107-115.	12.4	50
100	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
101	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
102	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
103	Desorption rate of glyphosate from goethite as affected by different entering ligands: hints on the desorption mechanism. <i>Environmental Chemistry</i> , 2017, 14, 288.	1.5	7
104	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
105	Morphology-dependent enhancement of arsenite oxidation to arsenate on birnessite-type manganese oxide. <i>Chemical Engineering Journal</i> , 2017, 327, 235-243.	12.7	38
106	Mechanisms of soil humic acid adsorption onto montmorillonite and kaolinite. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 457-467.	9.4	104
107	Effects of polyphosphates and orthophosphate on the dissolution and transformation of ZnO nanoparticles. <i>Chemosphere</i> , 2017, 176, 255-265.	8.2	28
108	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

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109	Mechanisms of arsenic-containing pyrite oxidation by aqueous arsenate under anoxic conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 217, 306-319.	3.9	53
110	Enhancement of Zn ²⁺ and Ni ²⁺ 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
111	SoilChip-XPS integrated technique to study formation of soil biogeochemical interfaces. <i>Soil Biology and Biochemistry</i> , 2017, 113, 71-79.	8.8	15
112	Local structure of Cu ²⁺ in Cu-doped hexagonal turbostratic birnessite and Cu ²⁺ stability under acid treatment. <i>Chemical Geology</i> , 2017, 466, 512-523.	3.3	31
113	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
114	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
115	Effects of myo-inositol hexakisphosphate and orthophosphate adsorption on aggregation of CeO ₂ nanoparticles: roles of pH and surface coverage. <i>Environmental Chemistry</i> , 2016, 13, 34.	1.5	8
116	Cadmium Removal from Aqueous Solution by a Deionization Supercapacitor with a Birnessite Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34405-34413.	8.0	67
117	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
118	Copper binding to soil fulvic and humic acids: NICA-Donnan modeling and conditional affinity spectra. <i>Journal of Colloid and Interface Science</i> , 2016, 473, 141-151.	9.4	59
119	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
120	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
121	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
122	Surface speciation of myo-inositol hexakisphosphate adsorbed on TiO ₂ 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
123	Effect of different vegetation cover on the vertical distribution of soil organic and inorganic carbon in the Zhifanggou Watershed on the loess plateau. <i>Catena</i> , 2016, 139, 191-198.	5.0	97
124	Surface adsorption and precipitation of inositol hexakisphosphate on calcite: A comparison with orthophosphate. <i>Chemical Geology</i> , 2016, 421, 103-111.	3.3	34
125	The simultaneous presence of glyphosate and phosphate at the goethite surface as seen by XPS, ATR-FTIR and competitive adsorption isotherms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 498, 121-127.	4.7	31
126	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

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127	Effects of Al ³⁺ 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
128	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
129	Exploring the effects of landscape structure on aerosol optical depth (AOD) patterns using GIS and HJ-1B images. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 265-276.	3.5	7
130	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
131	Formation of todorokite from α -disordered-H ⁺ -birnessites: the roles of average manganese oxidation state and interlayer cations. <i>Geochemical Transactions</i> , 2015, 16, 8.	0.7	25
132	Absorption mechanisms of Cu ²⁺ on a biogenic bixbyite-like Mn ₂ O ₃ produced by <i>Bacillus CUA</i> isolated from soil. <i>Geochemical Transactions</i> , 2015, 16, 5.	0.7	6
133	Effects of humic acid on adhesion of <i>Bacillus subtilis</i> to phyllosilicates and goethite. <i>Chemical Geology</i> , 2015, 416, 19-27.	3.3	29
134	Structure and properties of vanadium(V)-doped hexagonal turbostratic birnessite and its enhanced scavenging of Pb ²⁺ from solutions. <i>Journal of Hazardous Materials</i> , 2015, 288, 80-88.	12.4	30
135	Effect of soil fulvic and humic acid on binding of Pb to goethite-water interface: Linear additivity and volume fractions of HS in the Stern layer. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 121-130.	9.4	52
136	Oxidation process of dissolvable sulfide by synthesized todorokite in aqueous systems. <i>Journal of Hazardous Materials</i> , 2015, 290, 106-116.	12.4	24
137	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
138	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
139	Characteristics of the fifth paleosol complex (S5) in the southernmost part of the Chinese Loess Plateau and its paleo-environmental significance. <i>Catena</i> , 2014, 122, 130-139.	5.0	6
140	Adsorption-Desorption of Myo-Inositol Hexakisphosphate on Hematite. <i>Soil Science</i> , 2014, 179, 476-485.	0.9	28
141	Surface properties and phosphate adsorption of binary systems containing goethite and kaolinite. <i>Geoderma</i> , 2014, 213, 478-484.	5.1	74
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