

Hui Yin

List of Publications by Year in descending order

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35
papers

1,201
citations

394421

19
h-index

477307

29
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all docs

35
docs citations

35
times ranked

1513
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature solid-state preparation of ternary CdS/g-C ₃ N ₄ /CuS nanocomposites for enhanced visible-light photocatalytic H ₂ -production activity. <i>Applied Surface Science</i> , 2017, 391, 432-439.	6.1	200
2	Characterization of Ni-rich hexagonal birnessite and its geochemical effects on aqueous Pb ²⁺ /Zn ²⁺ and As(III). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 93, 47-62.	3.9	83
3	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
4	Side Window Filtering. , 2019, , .		73
5	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
6	Characterization of Co-doped birnessites and application for removal of lead and arsenite. <i>Journal of Hazardous Materials</i> , 2011, 188, 341-349.	12.4	70
7	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
8	Co ²⁺ -exchange mechanism of birnessite and its application for the removal of Pb ²⁺ and As(III). <i>Journal of Hazardous Materials</i> , 2011, 196, 318-326.	12.4	48
9	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
10	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
11	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
12	Side window guided filtering. <i>Signal Processing</i> , 2019, 165, 315-330.	3.7	40
13	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
14	Influence of vanadium doping on the supercapacitance performance of hexagonal birnessite. <i>Journal of Power Sources</i> , 2015, 277, 26-35.	7.8	32
15	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
16	Structure and properties of Co-doped cryptomelane and its enhanced removal of Pb ²⁺ and Cr ³⁺ from wastewater. <i>Journal of Environmental Sciences</i> , 2015, 34, 77-85.	6.1	30
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Formation of todorokite from H^{2+} -birnessites: the roles of average manganese oxidation state and interlayer cations. <i>Geochemical Transactions</i> , 2015, 16, 8.	0.7	25
20	Synthesis of $\text{MnPO}_4 \cdot \text{H}_2\text{O}$ by refluxing process at atmospheric pressure. <i>Solid State Sciences</i> , 2010, 12, 808-813.	3.2	19
21	Zn sorption to biogenic bixbyite-like Mn_2O_3 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
22	Fast and efficient implementation of image filtering using a side window convolutional neural network. <i>Signal Processing</i> , 2020, 176, 107717.	3.7	18
23	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
24	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
25	Coordination geometry of Zn^{2+} 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
26	Identification, Pathogenicity, and Fungicide Sensitivity of <i>Ascochyta caulina</i> (Teleomorph: <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i>) 2020, 104, 2585-2597.	1.4	11
27	Morphology, phylogeny, and pathogenicity of <i>Trichothecium</i> , <i>Alternaria</i> , and <i>Fusarium</i> species associated with panicle rot on <i>Chenopodium quinoa</i> in Shanxi Province, China. <i>Plant Pathology</i> , 2022, 71, 344-360.	2.4	8
28	Absorption mechanisms of Cu^{2+} on a biogenic bixbyite-like Mn_2O_3 produced by <i>Bacillus CUA</i> isolated from soil. <i>Geochemical Transactions</i> , 2015, 16, 5.	0.7	6
29	Combined window filtering and its applications. <i>Multidimensional Systems and Signal Processing</i> , 2021, 32, 313-333.	2.6	5
30	Metric of choosing the optimal parameter setting for edge aware filtering. <i>IET Image Processing</i> , 2022, 16, 453-469.	2.5	1
31	Fast Multilevel Thresholding Based on Simulated Water Flooding. , 2009, , .		0
32	Re-imaging of SAR image via the underlying information. , 2011, , .		0
33	Improved Mean Shift for Efficient Visual Tracking. <i>International Journal of Intelligent Engineering and Systems</i> , 2008, 1, 24-31.	0.6	0
34	Urban Scene Classification Based on Multi-dimensional Pyramid Representation and AdaBoost Using High Resolution SAR Images. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010, 36, 1099-1106.	0.3	0
35	Synthesis of Ramsdellite by Refluxing Process and Its Influencing Factors. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2011, 26, 321-326.	1.3	0