Jingtao Hou

List of Publications by Year
in descending order

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22 papers	1,110 citations	623188 14 h-index	713013 21 g-index
22 all docs	22 docs citations	22 times ranked	1201 citing authors

#	Article	IF	Citations
1	Effect of giant oxygen vacancy defects on the catalytic oxidation of OMS-2 nanorods. Journal of Materials Chemistry A, 2013, 1, 6736.	5.2	256
2	Tuning the K⁺ Concentration in the Tunnel of OMS-2 Nanorods Leads to a Significant Enhancement of the Catalytic Activity for Benzene Oxidation. Environmental Science & Technology, 2013, 47, 13730-13736.	4.6	198
3	Tremendous Effect of the Morphology of Birnessite-Type Manganese Oxide Nanostructures on Catalytic Activity. ACS Applied Materials & Interfaces, 2014, 6, 14981-14987.	4.0	175
4	As(III) adsorption on Fe-Mn binary oxides: Are Fe and Mn oxides synergistic or antagonistic for arsenic removal?. Chemical Engineering Journal, 2020, 389, 124470.	6.6	98
5	The effect of Ce ion substituted OMS-2 nanostructure in catalytic activity for benzene oxidation. Nanoscale, 2014, 6, 15048-15058.	2.8	62
6	The remarkable effect of the coexisting arsenite and arsenate species ratios on arsenic removal by manganese oxide. Chemical Engineering Journal, 2017, 315, 159-166.	6.6	58
7	Tremendous effect of oxygen vacancy defects on the oxidation of arsenite to arsenate on cryptomelane-type manganese oxide. Chemical Engineering Journal, 2016, 306, 597-606.	6.6	43
8	Morphology-dependent enhancement of arsenite oxidation to arsenate on birnessite-type manganese oxide. Chemical Engineering Journal, 2017, 327, 235-243.	6.6	38
9	Insights into the underlying mechanisms of stability working for As(III) removal by Fe-Mn binary oxide as a highly efficient adsorbent. Water Research, 2021, 203, 117558.	5.3	27
10	Al-substitution-induced defect sites enhance adsorption of Pb²⁺ on hematite. Environmental Science: Nano, 2019, 6, 1323-1331.	2.2	26
11	Phosphate speciation on Al-substituted goethite: ATR-FTIR/2D-COS and CD-MUSIC modeling. Environmental Science: Nano, 2019, 6, 3625-3637.	2.2	25
12	The remarkable effect of alkali earth metal ion on the catalytic activity of OMS-2 for benzene oxidation. Chemosphere, 2020, 250, 126211.	4.2	19
13	Ce ion substitution position effect on catalytic activity of OMS-2 for benzene oxidation. Materials Research Bulletin, 2019, 118, 110497.	2.7	17
14	Enhanced catalytic activity of OMS-2 for carcinogenic benzene elimination by tuning Sr2+ contents in the tunnels. Journal of Hazardous Materials, 2020, 398, 122958.	6.5	15
15	Enhanced oxidation of arsenite to arsenate using tunable K+ concentration in the OMS-2 tunnel. Environmental Pollution, 2018, 238, 524-531.	3.7	11
16	Insights into the improving mechanism of defect-mediated As(V) adsorption on hematite nanoplates. Chemosphere, 2021, 280, 130597.	4.2	11
17	Formation and Morphology Evolution from Ferrihydrite to Hematite in the Presence of Tartaric Acid. ACS Earth and Space Chemistry, 2019, 3, 562-570.	1.2	9
18	Simultaneous introduction of K+ and Rb+ into OMS-2 tunnels as an available strategy for substantially increasing the catalytic activity for benzene elimination. Environmental Research, 2020, 191, 110146.	3.7	7

#	Article	IF	Citations
19	Facet-dependent surface charge and Pb2+ adsorption characteristics of hematite nanoparticles: CD-MUSIC-eSGC modeling. Environmental Research, 2021, 196, 110383.	3.7	6
20	Complexation mechanism of Pb2+ at the ferrihydrite-water interface: The role of Al-substitution. Chemosphere, 2022, 307, 135627.	4.2	6
21	Insights into a â€œseesaw effectâ€•between reducibility and hydrophobicity induced by cobalt doping: influence on OMS-2 nanomaterials for catalytic degradation of carcinogenic benzene. Environmental Science: Nano, 2021, 8, 3376-3386.	2.2	3
22	Peroxymonosulfate Improves the Activity and Stability of Manganese Oxide for Oxidation of Arsenite to Arsenate. Clean - Soil, Air, Water, 2020, 48, 1900195.	0.7	0