Xiaopeng Huang

List of Publications by Year
in descending order

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		430874	713466
21	2,105	18	21
papers	citations	h-index	g-index

21	21	21	1983
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facet-dependent adsorption of aluminum(<scp>iii</scp>) on hematite nanocrystals and the influence on mineral transformation. Environmental Science: Nano, 2022, 9, 2073-2085.	4.3	5
2	Facet-Dependent Photodegradation of Methylene Blue by Hematite Nanoplates in Visible Light. Environmental Science & Technology, 2021, 55, 677-688.	10.0	67
3	Self-similar mesocrystals form via interface-driven nucleation and assembly. Nature, 2021, 590, 416-422.	27.8	98
4	Fe(II) Redox Chemistry in the Environment. Chemical Reviews, 2021, 121, 8161-8233.	47.7	242
5	Persulfate activation induced by ascorbic acid for efficient organic pollutants oxidation. Chemical Engineering Journal, 2020, 382, 122355.	12.7	52
6	Photo-production of reactive oxygen species and degradation of dissolved organic matter by hematite nanoplates functionalized by adsorbed oxalate. Environmental Science: Nano, 2020, 7, 2278-2292.	4.3	21
7	Facet-Specific Photocatalytic Degradation of Organics by Heterogeneous Fenton Chemistry on Hematite Nanoparticles. Environmental Science & Technology, 2019, 53, 10197-10207.	10.0	101
8	Insights into the facet-dependent adsorption of phenylarsonic acid on hematite nanocrystals. Environmental Science: Nano, 2019, 6, 3280-3291.	4.3	19
9	Molecular-scale structures of uranyl surface complexes on hematite facets. Environmental Science: Nano, 2019, 6, 892-903.	4.3	19
10	Synthesis of 2D Hexagonal Hematite Nanosheets and the Crystal Growth Mechanism. Inorganic Chemistry, 2019, 58, 16727-16735.	4.0	32
11	Fenton oxidation of organic contaminants with aquifer sediment activated by ascorbic acid. Chemical Engineering Journal, 2018, 348, 255-262.	12.7	39
12	Facet-dependent contaminant removal properties of hematite nanocrystals and their environmental implications. Environmental Science: Nano, 2018, 5, 1790-1806.	4.3	93
13	Ascorbic acid induced atrazine degradation. Journal of Hazardous Materials, 2017, 327, 71-78.	12.4	47
14	Ascorbate-Promoted Surface Iron Cycle for Efficient Heterogeneous Fenton Alachlor Degradation with Hematite Nanocrystals. ACS Applied Materials & Interfaces, 2017, 9, 8751-8758.	8.0	120
15	Hydroxylamine Promoted Goethite Surface Fenton Degradation of Organic Pollutants. Environmental Science & Technology, 2017, 51, 5118-5126.	10.0	370
16	Ascorbate Induced Facet Dependent Reductive Dissolution of Hematite Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 1113-1121.	3.1	60
17	Ascorbic acid enhanced activation of oxygen by ferrous iron: A case of aerobic degradation of rhodamine B. Journal of Hazardous Materials, 2016, 308, 67-74.	12.4	96
18	Facet-Dependent Cr(VI) Adsorption of Hematite Nanocrystals. Environmental Science & Technology, 2016, 50, 1964-1972.	10.0	246

#	Article	IF	Citations
19	Ascorbic acid/Fe@Fe2O3: A highly efficient combined Fenton reagent to remove organic contaminants. Journal of Hazardous Materials, 2016, 310, 170-178.	12.4	189
20	Hematite facet confined ferrous ions as high efficient Fenton catalysts to degrade organic contaminants by lowering H2O2 decomposition energetic span. Applied Catalysis B: Environmental, 2016, 181, 127-137.	20.2	127
21	Hexagonal nickel oxide nanoplate-based electrochemical supercapacitor. Journal of Materials Science, 2012, 47, 503-507.	3.7	62