

Xiaopeng Huang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,105
citations

430874

18
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1983
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroxylamine Promoted Goethite Surface Fenton Degradation of Organic Pollutants. Environmental Science & Technology, 2017, 51, 5118-5126.	10.0	370
2	Facet-Dependent Cr(VI) Adsorption of Hematite Nanocrystals. Environmental Science & Technology, 2016, 50, 1964-1972.	10.0	246
3	Fe(II) Redox Chemistry in the Environment. Chemical Reviews, 2021, 121, 8161-8233.	47.7	242
4	Ascorbic acid/Fe@Fe ₂ O ₃ : A highly efficient combined Fenton reagent to remove organic contaminants. Journal of Hazardous Materials, 2016, 310, 170-178.	12.4	189
5	Hematite facet confined ferrous ions as high efficient Fenton catalysts to degrade organic contaminants by lowering H ₂ O ₂ decomposition energetic span. Applied Catalysis B: Environmental, 2016, 181, 127-137.	20.2	127
6	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
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	Self-similar mesocrystals form via interface-driven nucleation and assembly. Nature, 2021, 590, 416-422.	27.8	98
9	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
10	Facet-dependent contaminant removal properties of hematite nanocrystals and their environmental implications. Environmental Science: Nano, 2018, 5, 1790-1806.	4.3	93
11	Facet-Dependent Photodegradation of Methylene Blue by Hematite Nanoplates in Visible Light. Environmental Science & Technology, 2021, 55, 677-688.	10.0	67
12	Hexagonal nickel oxide nanoplate-based electrochemical supercapacitor. Journal of Materials Science, 2012, 47, 503-507.	3.7	62
13	Ascorbate Induced Facet Dependent Reductive Dissolution of Hematite Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 1113-1121.	3.1	60
14	Persulfate activation induced by ascorbic acid for efficient organic pollutants oxidation. Chemical Engineering Journal, 2020, 382, 122355.	12.7	52
15	Ascorbic acid induced atrazine degradation. Journal of Hazardous Materials, 2017, 327, 71-78.	12.4	47
16	Fenton oxidation of organic contaminants with aquifer sediment activated by ascorbic acid. Chemical Engineering Journal, 2018, 348, 255-262.	12.7	39
17	Synthesis of 2D Hexagonal Hematite Nanosheets and the Crystal Growth Mechanism. Inorganic Chemistry, 2019, 58, 16727-16735.	4.0	32
18	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

#	ARTICLE	IF	CITATIONS
19	Insights into the facet-dependent adsorption of phenylarsonic acid on hematite nanocrystals. Environmental Science: Nano, 2019, 6, 3280-3291.	4.3	19
20	Molecular-scale structures of uranyl surface complexes on hematite facets. Environmental Science: Nano, 2019, 6, 892-903.	4.3	19
21	Facet-dependent adsorption of aluminum(III) on hematite nanocrystals and the influence on mineral transformation. Environmental Science: Nano, 2022, 9, 2073-2085.	4.3	5