

Jiahai

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

483
citations

1039406

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h-index

676716

22
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22
all docs

22
docs citations

22
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly enhanced Fenton degradation of organic pollutants by cysteine: An aliphatic amino acid accelerator outweighs hydroquinone analogues. <i>Water Research</i> , 2016, 105, 479-486.	5.3	177
2	Optical Properties of Humic Substances and CDOM: Effects of Borohydride Reduction. <i>Environmental Science & Technology</i> , 2010, 44, 5395-5402.	4.6	134
3	Strongly prolonged hydroxyl radical production for Fenton-like reactions: The golden touch of Cu. <i>Separation and Purification Technology</i> , 2019, 213, 500-506.	3.9	19
4	Aqueous photoproduction of Au nanoparticles by natural organic matter: effect of NaBH ₄ reduction. <i>Environmental Science: Nano</i> , 2016, 3, 707-714.	2.2	17
5	Cavity-confined acceleration of iron cycle for the Fenton-like reaction by β -CD-benzoquinone host-guest complex under visible irradiation. <i>Catalysis Communications</i> , 2015, 65, 96-101.	1.6	16
6	Reduction-induced molecular signature of humic substances: structural evidence for optical changes. <i>RSC Advances</i> , 2014, 4, 25880.	1.7	14
7	MgO nanolayering of Cu ₂ O semiconductors enhances photoreactivity: Superoxide radicals boost. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2648-2657.	3.3	14
8	Aqueous phototransformation of bisphenol S: the competitive radical-attack pathway to p-hydroxybenzenesulfonic acid. <i>Water Science and Technology</i> , 2014, 70, 540-547.	1.2	13
9	Integration of homogeneous and heterogeneous advanced oxidation processes: Confined iron dancing with cyclodextrin polymer. <i>Chemosphere</i> , 2020, 250, 126226.	4.2	11
10	Quantitative determination of redox-active carbonyls of natural dissolved organic matter. <i>Water Research</i> , 2020, 185, 116142.	5.3	10
11	Glutathione promoted Fenton degradation: a cocatalyst based on the "HS/S" cycle with hydroxyl radicals. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 515-522.	1.2	9
12	Engaging in Curriculum Reform of Chinese Chemistry Graduate Education: An Example from a Photocatalysis Principles and Applications Course. <i>Journal of Chemical Education</i> , 2014, 91, 206-210.	1.1	7
13	Incorporating Research-Based Problems from the Primary Literature into a Large-Scale Organic Structure Analysis Course. <i>Journal of Chemical Education</i> , 2015, 92, 2176-2181.	1.1	7
14	Concerted high innergenerated-H ₂ O ₂ photocatalysis and Photo-Fenton degradation of organic pollutants over SCNO@CdS. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 420, 113477.	2.0	7
15	Cocatalyst or substrate? Competitive Fenton transformation of cysteine and salicylic acid. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1046-1053.	1.2	6
16	The reactivity and pathway of Fenton reactions driven by hydroxybenzoic acids: the effect of hydroxylation. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1507-1514.	1.2	5
17	Aqueous photochemistry of fullerol revisited: Energy transfer vs. electron transfer processes probed by Rhodamine B degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 397, 112600.	2.0	5
18	Contribution to the reduction-induced fluorescence enhancement of natural organic matter: Aromatic ketones outweigh quinones. <i>Luminescence</i> , 2017, 32, 1528-1534.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Insights into aqueous reduction of Cr(VI) by Fe ₃ O ₄ @NOM MNPs under irradiation: The role of carbonyl structures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 578, 123593.	2.3	3
20	Overlooked Role of Carbonyls of Natural Organic Matter on the Dissolution of Zinc Oxide Nanoparticles. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2786-2794.	1.2	3
21	Fluorescence anisotropy as a means to determine extracellular polysaccharide hydrolase activity in environmental samples. <i>Analytical Biochemistry</i> , 2008, 383, 340-342.	1.1	2
22	A tale of two metal ions: contrasting behaviors of high oxidation states of Cu and Mn in a bicarbonate-H ₂ O ₂ system. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 479-486.	1.2	1