Min Sik Kim

List of Publications by Year
in descending order

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22	1,029	516710 16	677142 22
papers	citations	h-index	g-index

22	22	22	1105
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Use of CaO as an activator for producing a price-competitive non-cement structural binder using ground granulated blast furnace slag. Cement and Concrete Research, 2013, 54, 208-214.	11.0	320
2	Disintegration of Waste Activated Sludge by Thermally-Activated Persulfates for Enhanced Dewaterability. Environmental Science & Technology, 2016, 50, 7106-7115.	10.0	223
3	Chloride-Mediated Enhancement in Heat-Induced Activation of Peroxymonosulfate: New Reaction Pathways for Oxidizing Radical Production. Environmental Science & Technology, 2021, 55, 5382-5392.	10.0	86
4	Nonradical activation of peroxymonosulfate by hematite for oxidation of organic compounds: A novel mechanism involving high-valent iron species. Chemical Engineering Journal, 2021, 426, 130743.	12.7	42
5	Oxidative treatment of waste activated sludge by different activated persulfate systems for enhancing sludge dewaterability. Sustainable Environment Research, 2016, 26, 177-183.	4.2	41
6	Oxidation of Microcystins by Permanganate: pH and Temperature-Dependent Kinetics, Effect of DOM Characteristics, and Oxidation Mechanism Revisited. Environmental Science & Technology, 2018, 52, 7054-7063.	10.0	39
7	Oxidation of microcystin-LR by ferrous-tetrapolyphosphate in the presence of oxygen and hydrogen peroxide. Water Research, 2017, 114, 277-285.	11.3	34
8	Differential Microbicidal Effects of Bimetallic Ironâ€“Copper Nanoparticles on Escherichia coli and MS2 Coliphage. Environmental Science & Technology, 2019, 53, 2679-2687.	10.0	31
9	Modeling of ozone decomposition, oxidant exposures, and the abatement of micropollutants during ozonation processes. Water Research, 2020, 169, 115230.	11.3	31
10	Visible light-induced activation of peroxymonosulfate in the presence of ferric ions for the degradation of organic pollutants. Separation and Purification Technology, 2020, 240, 116620.	7.9	27
11	Prediction of Oxidant Exposures and Micropollutant Abatement during Ozonation Using a Machine Learning Method. Environmental Science & Technology, 2021, 55, 709-718.	10.0	21
12	Effect of Fe3+ as an electron-transfer mediator on WO3-induced activation of peroxymonosulfate under visible light. Chemical Engineering Journal, 2021, 411, 128529.	12.7	19
13	Degradation of aqueous organic pollutants using an Fe2O3/WO3 composite photocatalyst as a magnetically separable peroxymonosulfate activator. Separation and Purification Technology, 2021, 267, 118610.	7.9	19
14	Occurrence of unknown reactive species in UV/H2O2 system leading to false interpretation of hydroxyl radical probe reactions. Water Research, 2021, 201, 117338.	11.3	18
15	Ozonation of Microcystins: Kinetics and Toxicity Decrease. Environmental Science & Technology, 2019, 53, 6427-6435.	10.0	17
16	Freezing-enhanced non-radical oxidation of organic pollutants by peroxymonosulfate. Chemical Engineering Journal, 2020, 388, 124226.	12.7	17
17	Control of the red tide dinoflagellate Cochlodinium polykrikoides by ozone in seawater. Water Research, 2017, 109, 237-244.	11.3	15
18	Nanoparticulate zero-valent iron coupled with polyphosphate: the sequential redox treatment of organic compounds and its stability and bacterial toxicity. Environmental Science: Nano, 2017, 4, 396-405.	4.3	10

#	Article	IF	Citations
19	Cupric ion in combination with hydrogen peroxide and hydroxylamine applied to inactivation of different microorganisms. Journal of Hazardous Materials, 2020, 400, 123305.	12.4	10
20	Reduction of chlorendic acid by zero-valent iron: Kinetics, products, and pathways. Journal of Hazardous Materials, 2020, 384, 121269.	12.4	6
21	Accelerated oxidation of microcystin-LR by Fe(II)-tetrapolyphosphate/oxygen in the presence of magnesium and calcium ions. Water Research, 2020, 184, 116172.	11.3	2
22	Comment on â€œInvestigation of the Ironâ€“Peroxo Complex in the Fenton Reaction: Kinetic Indication, Decay Kinetics, and Hydroxyl Radical Yieldsâ€• Environmental Science & Technology, 2018, 52, 4481-4482.	10.0	1