

Hongguang Guo

List of Publications by Year in descending order

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docs citations

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times ranked

2889
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient removal of DEET by UV-LED irradiation in the presence of iron-containing coagulant. <i>Chemosphere</i> , 2022, 286, 131613.	4.2	11
2	Multifunctional capacity of CoMnFe-LDH/LDO activated peroxymonosulfate for p-arsanilic acid removal and inorganic arsenic immobilization: Performance and surface-bound radical mechanism. <i>Science of the Total Environment</i> , 2022, 806, 150379.	3.9	42
3	Amino-modified metal-organic frameworks as peroxymonosulfate catalyst for bisphenol AF decontamination: ROS generation, degradation pathways, and toxicity evaluation. <i>Separation and Purification Technology</i> , 2022, 282, 119967.	3.9	13
4	Tannery wastewater treatment: conventional and promising processes, an updated 20-year review. <i>Journal of Leather Science and Engineering</i> , 2022, 4, .	2.7	54
5	Generality and diversity on the kinetics, toxicity and DFT studies of sulfate radical-induced transformation of BPA and its analogues. <i>Water Research</i> , 2022, 219, 118506.	5.3	17
6	Impact of hydrological factors on the dynamic of COVID-19 epidemic: A multi-region study in China. <i>Environmental Research</i> , 2021, 198, 110474.	3.7	10
7	Staged assessment for the involving mechanism of humic acid on enhancing water decontamination using H ₂ O ₂ -Fe(III) process. <i>Journal of Hazardous Materials</i> , 2021, 407, 124853.	6.5	20
8	Interactions between the antibiotic tetracycline and humic acid: Examination of the binding sites, and effects of complexation on the oxidation of tetracycline. <i>Water Research</i> , 2021, 202, 117379.	5.3	75
9	Insight into the role of binding interaction in the transformation of tetracycline and toxicity distribution. <i>Environmental Science and Ecotechnology</i> , 2021, 8, 100127.	6.7	23
10	Probing the roles of pH and ionic strength on electrostatic binding of tetracycline by dissolved organic matters: Reevaluation of modified fitting model. <i>Environmental Science and Ecotechnology</i> , 2021, 8, 100133.	6.7	16
11	Multi-spectroscopic Investigation on Mechanism of Binding Interaction between Humic Acid and Ciprofloxacin. <i>Acta Chimica Sinica</i> , 2021, 79, 1494.	0.5	2
12	Peroxymonosulfate activation by porous BiFeO ₃ for the degradation of bisphenol AF: Non-radical and radical mechanism. <i>Applied Surface Science</i> , 2020, 507, 145097.	3.1	57
13	Estimation of the potential spread risk of COVID-19: Occurrence assessment along the Yangtze, Han, and Fu River basins in Hubei, China. <i>Science of the Total Environment</i> , 2020, 746, 141353.	3.9	15
14	Crucial roles of oxygen and superoxide radical in bisulfite-activated persulfate oxidation of bisphenol AF: Mechanisms, kinetics and DFT studies. <i>Journal of Hazardous Materials</i> , 2020, 391, 122228.	6.5	64
15	Enhanced kinetic performance of peroxymonosulfate/ZVI system with the addition of copper ions: Reactivity, mechanism, and degradation pathways. <i>Journal of Hazardous Materials</i> , 2020, 393, 122399.	6.5	58
16	ROS reevaluation for degradation of 4-chloro-3,5-dimethylphenol (PCMX) by UV and UV/persulfate processes in the water: Kinetics, mechanism, DFT studies and toxicity evolution. <i>Chemical Engineering Journal</i> , 2020, 390, 124610.	6.6	43
17	Metal-free carbocatalysis for persulfate activation toward nonradical oxidation: Enhanced singlet oxygen generation based on active sites and electronic property. <i>Chemical Engineering Journal</i> , 2020, 396, 125107.	6.6	74
18	Interactions between natural organic matter (NOM) and the cationic dye toluidine blue at varying pHs and ionic strengths: Effects of NOM charges and Donnan gel potentials. <i>Chemosphere</i> , 2019, 236, 124272.	4.2	10

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19	Differential ATR FTIR spectroscopy of membrane fouling: Contributions of the substrate/fouling films and correlations with transmembrane pressure. <i>Water Research</i> , 2019, 161, 27-34.	5.3	19
20	Fe@C carbonized resin for peroxymonosulfate activation and bisphenol S degradation. <i>Environmental Pollution</i> , 2019, 252, 1042-1050.	3.7	66
21	Heterogeneous activation of peroxymonosulfate for bisphenol AF degradation with BiO _{0.5} Cl _{0.5} . <i>RSC Advances</i> , 2019, 9, 14060-14071.	1.7	50
22	Kinetic performance of peroxymonosulfate activated by Co/Bi ₂₅ FeO ₄₀ : radical and non-radical mechanism. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 100, 56-64.	2.7	38
23	Insights into the mechanism of nonradical reactions of persulfate activated by carbon nanotubes: Activation performance and structure-function relationship. <i>Water Research</i> , 2019, 157, 406-414.	5.3	263
24	Highly efficient removal of trimethoprim based on peroxymonosulfate activation by carbonized resin with Co doping: Performance, mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 356, 717-726.	6.6	59
25	Heterogeneous activation of peroxymonosulfate by sillenite Bi ₂₅ FeO ₄₀ : Singlet oxygen generation and degradation for aquatic levofloxacin. <i>Chemical Engineering Journal</i> , 2018, 343, 128-137.	6.6	252
26	Heterogeneous activation of persulfate for Rhodamine B degradation with 3D flower sphere-like BiO/Fe ₃ O ₄ microspheres under visible light irradiation. <i>Separation and Purification Technology</i> , 2018, 192, 88-98.	3.9	139
27	Enhanced degradation of aqueous norfloxacin and enrofloxacin by UV-activated persulfate: Kinetics, pathways and deactivation. <i>Chemical Engineering Journal</i> , 2017, 316, 471-480.	6.6	133
28	Analysis on the removal of ammonia nitrogen using peroxymonosulfate activated by nanoparticulate zero-valent iron. <i>Chemical Papers</i> , 2017, 71, 1497-1505.	1.0	22
29	Non-photochemical production of singlet oxygen via activation of persulfate by carbon nanotubes. <i>Water Research</i> , 2017, 113, 80-88.	5.3	776
30	Persulfate-assisted photodegradation of diethylstilbestrol using monoclinic BiVO ₄ under visible-light irradiation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3739-3747.	2.7	21
31	Photoreduction of Cr(VI) in water using BiVO ₄ -Fe ₃ O ₄ nano-photocatalyst under visible light irradiation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 28239-28247.	2.7	10
32	Activation of peroxymonosulfate by BiVO ₄ under visible light for degradation of Rhodamine B. <i>Chemical Physics Letters</i> , 2016, 653, 101-107.	1.2	105
33	Kinetics and transformation pathways on oxidation of fluoroquinolones with thermally activated persulfate. <i>Chemical Engineering Journal</i> , 2016, 292, 82-91.	6.6	120
34	Oxidation of 2,4-dichlorophenol by non-radical mechanism using persulfate activated by Fe/S modified carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 277-286.	5.0	106
35	Performance and Mechanism on Degradation of Estriol Using O ₃ /PS Process. <i>Ozone: Science and Engineering</i> , 2016, 38, 358-366.	1.4	14
36	Feasible oxidation of 17 β -estradiol using persulfate activated by Bi ₂ WO ₆ /Fe ₃ O ₄ under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 79910-79919.	1.7	30

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37	Degradation of Bisphenol A Using Ozone/Persulfate Process: Kinetics and Mechanism. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	41
38	Synthesis of reduced graphene oxide/magnetite composites and investigation of their adsorption performance of fluoroquinolone antibiotics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 424, 74-80.	2.3	169
39	Heterogeneous catalytic ozonation of ciprofloxacin in water with carbon nanotube supported manganese oxides as catalyst. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 227-236.	6.5	122
40	Preparation and characterization of hierarchical BiO _{0.5} Cl _{0.5} with excellent adsorption and photocatalytic abilities for removal of aquatic dyes. , 0, 201, 356-368.		2
41	Removal of Cr(III) and Cu(II) from aqueous solution by fulvic acid functionalized magnetite nanoparticles. , 0, 109, 271-278.		0