Hongguang Guo

List of Publications by Year
in descending order

41 papers	3,161 citations	257429 24 h-index	302107 39 g-index
41 all docs	41 docs citations	41 times ranked	2598 citing authors

#	Article	IF	Citations
1	Non-photochemical production of singlet oxygen via activation of persulfate by carbon nanotubes. Water Research, 2017, 113, 80-88.	11.3	776
2	Insights into the mechanism of nonradical reactions of persulfate activated by carbon nanotubes: Activation performance and structure-function relationship. Water Research, 2019, 157, 406-414.	11.3	263
3	Heterogeneous activation of peroxymonosulfate by sillenite Bi25FeO40: Singlet oxygen generation and degradation for aquatic levofloxacin. Chemical Engineering Journal, 2018, 343, 128-137.	12.7	252
4	Synthesis of reduced graphene oxide/magnetite composites and investigation of their adsorption performance of fluoroquinolone antibiotics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 424, 74-80.	4.7	169
5	Heterogeneous activation of persulfate for Rhodamine B degradation with 3D flower sphere-like BiOI/Fe3O4 microspheres under visible light irradiation. Separation and Purification Technology, 2018, 192, 88-98.	7.9	139
6	Enhanced degradation of aqueous norfloxacin and enrofloxacin by UV-activated persulfate: Kinetics, pathways and deactivation. Chemical Engineering Journal, 2017, 316, 471-480.	12.7	133
7	Heterogeneous catalytic ozonation of ciprofloxacin in water with carbon nanotube supported manganese oxides as catalyst. Journal of Hazardous Materials, 2012, 227-228, 227-236.	12.4	122
8	Kinetics and transformation pathways on oxidation of fluoroquinolones with thermally activated persulfate. Chemical Engineering Journal, 2016, 292, 82-91.	12.7	120
9	Oxidation of 2,4-dichlorophenol by non-radical mechanism using persulfate activated by Fe/S modified carbon nanotubes. Journal of Colloid and Interface Science, 2016, 469, 277-286.	9.4	106
10	Activation of peroxymonosulfate by BiVO 4 under visible light for degradation of Rhodamine B. Chemical Physics Letters, 2016, 653, 101-107.	2.6	105
11	Interactions between the antibiotic tetracycline and humic acid: Examination of the binding sites, and effects of complexation on the oxidation of tetracycline. Water Research, 2021, 202, 117379.	11.3	75
12	Metal-free carbocatalysis for persulfate activation toward nonradical oxidation: Enhanced singlet oxygen generation based on active sites and electronic property. Chemical Engineering Journal, 2020, 396, 125107.	12.7	74
13	Fe@C carbonized resin for peroxymonosulfate activation and bisphenol S degradation. Environmental Pollution, 2019, 252, 1042-1050.	7.5	66
14	Crucial roles of oxygen and superoxide radical in bisulfite-activated persulfate oxidation of bisphenol AF: Mechanisms, kinetics and DFT studies. Journal of Hazardous Materials, 2020, 391, 122228.	12.4	64
15	Highly efficient removal of trimethoprim based on peroxymonosulfate activation by carbonized resin with Co doping: Performance, mechanism and degradation pathway. Chemical Engineering Journal, 2019, 356, 717-726.	12.7	59
16	Enhanced kinetic performance of peroxymonosulfate/ZVI system with the addition of copper ions: Reactivity, mechanism, and degradation pathways. Journal of Hazardous Materials, 2020, 393, 122399.	12.4	58
17	Peroxymonosulfate activation by porous BiFeO3 for the degradation of bisphenol AF: Non-radical and radical mechanism. Applied Surface Science, 2020, 507, 145097.	6.1	57
18	Tannery wastewater treatment: conventional and promising processes, an updated 20-year review. Journal of Leather Science and Engineering, 2022, 4, .	6.0	54

#	Article	IF	Citations
19	Heterogeneous activation of peroxymonosulfate for bisphenol AF degradation with BiOI_{0.5}Cl_{0.5}. RSC Advances, 2019, 9, 14060-14071.	3.6	50
20	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. Chemical Engineering Journal, 2020, 390, 124610.	12.7	43
21	Multifunctional capacity of CoMnFe-LDH/LDO activated peroxymonosulfate for p-arsanilic acid removal and inorganic arsenic immobilization: Performance and surface-bound radical mechanism. Science of the Total Environment, 2022, 806, 150379.	8.0	42
22	Degradation of Bisphenol A Using Ozone/Persulfate Process: Kinetics and Mechanism. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	41
23	Kinetic performance of peroxymonosulfate activated by Co/Bi25FeO40: radical and non-radical mechanism. Journal of the Taiwan Institute of Chemical Engineers, 2019, 100, 56-64.	5.3	38
24	Feasible oxidation of 17Î²-estradiol using persulfate activated by Bi₂WO₆/Fe₃O₄ under visible light irradiation. RSC Advances, 2016, 6, 79910-79919.	3.6	30
25	Insight into the role of binding interaction in the transformation of tetracycline and toxicity distribution. Environmental Science and Ecotechnology, 2021, 8, 100127.	13.5	23
26	Analysis on the removal of ammonia nitrogen using peroxymonosulfate activated by nanoparticulate zero-valent iron. Chemical Papers, 2017, 71, 1497-1505.	2.2	22
27	Persulfate-assisted photodegradation of diethylstilbestrol using monoclinic BiVO4 under visible-light irradiation. Environmental Science and Pollution Research, 2017, 24, 3739-3747.	5.3	21
28	Staged assessment for the involving mechanism of humic acid on enhancing water decontamination using H2O2-Fe(III) process. Journal of Hazardous Materials, 2021, 407, 124853.	12.4	20
29	Differential ATR FTIR spectroscopy of membrane fouling: Contributions of the substrate/fouling films and correlations with transmembrane pressure. Water Research, 2019, 161, 27-34.	11.3	19
30	Generality and diversity on the kinetics, toxicity and DFT studies of sulfate radical-induced transformation of BPA and its analogues. Water Research, 2022, 219, 118506.	11.3	17
31	Probing the roles of pH and ionic strength on electrostatic binding of tetracycline by dissolved organic matters: Reevaluation of modified fitting model. Environmental Science and Ecotechnology, 2021, 8, 100133.	13.5	16
32	Estimation of the potential spread risk of COVID-19: Occurrence assessment along the Yangtze, Han, and Fu River basins in Hubei, China. Science of the Total Environment, 2020, 746, 141353.	8.0	15
33	Performance and Mechanism on Degradation of Estriol Using O₃/PS Process. Ozone: Science and Engineering, 2016, 38, 358-366.	2.5	14
34	Amino-modified metalâ€“organic frameworks as peroxymonosulfate catalyst for bisphenol AF decontamination: ROS generation, degradation pathways, and toxicity evaluation. Separation and Purification Technology, 2022, 282, 119967.	7.9	13
35	Highly efficient removal of DEET by UV-LED irradiation in the presence of iron-containing coagulant. Chemosphere, 2022, 286, 131613.	8.2	11
36	Photoreduction of Cr(VI) in water using BiVO4-Fe3O4 nano-photocatalyst under visible light irradiation. Environmental Science and Pollution Research, 2017, 24, 28239-28247.	5.3	10

#	Article	IF	Citations
37	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. Chemosphere, 2019, 236, 124272.	8.2	10
38	Impact of hydrological factors on the dynamic of COVID-19 epidemic: A multi-region study in China. Environmental Research, 2021, 198, 110474.	7.5	10
39	Preparation and characterization of hierarchical BiO0.5Cl0.5 with excellent adsorption and photocatalytic abilities for removal of aquatic dyes. , 0, 201, 356-368.		2
40	Multi-spectroscopic Investigation on Mechanism of Binding Interaction between Humic Acid and Ciprofloxacin. Acta Chimica Sinica, 2021, 79, 1494.	1.4	2
41	Removal of Cr(III) and Cu(II) from aqueous solution by fulvic acid functionalized magnetite nanoparticles. , 0, 109, 271-278.		0