

Xin Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,418
citations

361045

20
h-index

500791

28
g-index

28
all docs

28
docs citations

28
times ranked

1881
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-photochemical production of singlet oxygen via activation of persulfate by carbon nanotubes. <i>Water Research</i> , 2017, 113, 80-88.	5.3	776
2	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
3	Heterogeneous activation of peroxymonosulfate by sillenite Bi ₂ FeO ₄ : Singlet oxygen generation and degradation for aquatic levofloxacin. <i>Chemical Engineering Journal</i> , 2018, 343, 128-137.	6.6	252
4	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
5	N, S-Doped porous carbons for persulfate activation to remove tetracycline: Nonradical mechanism. <i>Journal of Hazardous Materials</i> , 2020, 391, 122055.	6.5	121
6	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
7	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
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	Simultaneous removal of methylene blue and total dissolved copper in zero-valent iron/H ₂ O ₂ Fenton system: Kinetics, mechanism and degradation pathway. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 383-393.	5.0	68
10	Fe@C carbonized resin for peroxymonosulfate activation and bisphenol S degradation. <i>Environmental Pollution</i> , 2019, 252, 1042-1050.	3.7	66
11	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
12	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
13	Degradation of dimethyl phthalate by activating peroxymonosulfate using nanoscale zero valent tungsten: Mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 359, 138-148.	6.6	50
14	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
15	Visible light induced acceleration of Fe(III)/Fe(II) cycles for enhancing phthalate degradation in C60 fullerene modified Fe(III)/persoxymonosulfate process. <i>Chemical Engineering Journal</i> , 2020, 387, 124126.	6.6	32
16	Removal of contaminants by activating peroxymonosulfate (PMS) using zero valent iron (ZVI)-based bimetallic particles (ZVI/Cu, ZVI/Co, ZVI/Ni, and ZVI/Ag). <i>RSC Advances</i> , 2020, 10, 28232-28242.	1.7	28
17	Removal of Rhodamine B during the corrosion of zero valent tungsten via a tungsten species-catalyzed Fenton-like system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 100, 202-209.	2.7	24
18	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

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19	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
20	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
21	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
22	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
23	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
24	Generation of reactive oxygen species by promoting the Cu(II)/Cu(I) redox cycle with reducing agents in aerobic aqueous solution. <i>Water Science and Technology</i> , 2018, 78, 1390-1399.	1.2	14
25	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
26	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
27	Pre-magnetization for enhancing the iron-catalyzed activation of peroxymonosulfate via accelerating the corrosion of Fe ₀ . <i>Water Science and Technology</i> , 2019, 79, 1287-1296.	1.2	5
28	Deprivation of unpaired electrons on graphitic carbon nitride-based carbocatalysts by peroxydisulfate driving a nonradical oxidation process. <i>Journal of Cleaner Production</i> , 2022, 334, 130220.	4.6	3