

Jing Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,240
citations

19
h-index

34
g-index

56
ext. papers

1,692
ext. citations

7.1
avg, IF

4.77
L-index

#	Paper	IF	Citations
52	Strong enhancement on fenton oxidation by addition of hydroxylamine to accelerate the ferric and ferrous iron cycles. <i>Environmental Science & Technology</i> , 2011 , 45, 3925-30	10.3	295
51	Degradation of 2,4-dichlorophenol by activating persulfate and peroxomonosulfate using micron or nanoscale zero-valent copper. <i>Journal of Hazardous Materials</i> , 2018 , 344, 1209-1219	12.8	120
50	Production of Hydroxyl Radical via the Activation of Hydrogen Peroxide by Hydroxylamine. <i>Environmental Science & Technology</i> , 2015 , 49, 10373-9	10.3	93
49	N, S-Doped porous carbons for persulfate activation to remove tetracycline: Nonradical mechanism. <i>Journal of Hazardous Materials</i> , 2020 , 391, 122055	12.8	66
48	Removal of polystyrene and polyethylene microplastics using PAC and FeCl coagulation: Performance and mechanism. <i>Science of the Total Environment</i> , 2021 , 752, 141837	10.2	48
47	Generation of hydrogen peroxide and hydroxyl radical resulting from oxygen-dependent oxidation of L-ascorbic acid via copper redox-catalyzed reactions. <i>RSC Advances</i> , 2016 , 6, 38541-38547	3.7	44
46	C60 Fullerol promoted Fe(III)/H ₂ O ₂ Fenton oxidation: Role of photosensitive Fe(III)-Fullerol complex. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118264	21.8	39
45	Rapid removal of p-chloronitrobenzene from aqueous solution by a combination of ozone with zero-valent zinc. <i>Separation and Purification Technology</i> , 2015 , 151, 318-323	8.3	38
44	Rapid degradation of aniline in aqueous solution by ozone in the presence of zero-valent zinc. <i>Chemosphere</i> , 2015 , 141, 258-64	8.4	35
43	Synergistic effect of microbubbles and activated carbon on the ozonation treatment of synthetic dyeing wastewater. <i>Separation and Purification Technology</i> , 2018 , 201, 10-18	8.3	34
42	Enhancement of peroxymonosulfate activation for antibiotics removal by nano zero valent tungsten induced Cu(II)/Cu(I) redox cycles. <i>Chemical Engineering Journal</i> , 2020 , 382, 123054	14.7	31
41	Activation of hydrogen peroxide during the corrosion of nanoscale zero valent copper in acidic solution. <i>Journal of Molecular Catalysis A</i> , 2016 , 424, 115-120		30
40	Degradation of Bisphenol A Using Ozone/Persulfate Process: Kinetics and Mechanism. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	30
39	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	14.7	30
38	Efficient activation of ozone by zero-valent copper for the degradation of aniline in aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 81, 335-342	5.3	29
37	Degradation of organic contaminants by activated persulfate using zero valent copper in acidic aqueous conditions. <i>RSC Advances</i> , 2016 , 6, 99532-99539	3.7	29
36	Activation of persulfate/copper by hydroxylamine via accelerating the cupric/cuprous redox couple. <i>Water Science and Technology</i> , 2016 , 73, 493-500	2.2	22

35	Visible light induced acceleration of Fe(III)/Fe(II) cycles for enhancing phthalate degradation in C60 fullerene modified Fe(III)/peroxymonosulfate process. <i>Chemical Engineering Journal</i> , 2020 , 387, 124126	14.7	19
34	New insights into the mechanisms of tartaric acid enhancing homogeneous and heterogeneous copper-catalyzed Fenton-like systems. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124351	12.8	19
33	Enhanced peroxymonosulfate activation by coupling zeolite-supported nano-zero-valent iron with weak magnetic field. <i>Separation and Purification Technology</i> , 2020 , 230, 115886	8.3	18
32	Ru(III) catalyzed permanganate oxidation of aniline at environmentally relevant pH. <i>Journal of Environmental Sciences</i> , 2014 , 26, 1395-402	6.4	13
31	CuNiN@C coupled with peroxymonosulfate as efficient catalytic system for the removal of norfloxacin by adsorption and catalysis. <i>Separation and Purification Technology</i> , 2020 , 252, 117476	8.3	13
30	Ultrasound enhanced heterogeneous activation of peroxymonosulfate by a Co-NiOx catalyst. <i>Water Science and Technology</i> , 2017 , 76, 1436-1446	2.2	12
29	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	5.3	12
28	Efficient degradation of tetracycline by ultraviolet-based activation of peroxymonosulfate and persulfate. <i>Water Science and Technology</i> , 2019 , 79, 911-920	2.2	11
27	Cu(II) Catalytic Reduction of Cr(VI) by Tartaric Acid Under the Irradiation of Simulated Solar Light. <i>Environmental Engineering Science</i> , 2014 , 31, 447-452	2	11
26	Radicals induced from peroxomonosulfate by nanoscale zero-valent copper in the acidic solution. <i>Water Science and Technology</i> , 2016 , 74, 1946-1952	2.2	11
25	Enhancement of organic contaminants degradation at low dosages of Fe(III) and H ₂ O ₂ in g-C ₃ N ₄ promoted Fe(III)/H ₂ O ₂ system under visible light irradiation. <i>Separation and Purification Technology</i> , 2020 , 251, 117333	8.3	10
24	Efficient peroxymonosulfate activation by Zn/Fe metal-organic framework-derived ZnO/Fe O @carbon spheres for the degradation of Acid Orange 7. <i>Water Environment Research</i> , 2019 , 91, 634-641	2.8	7
23	Acceleration of Ozone Decomposition and \cdot OH Generation by Hydroxylamine. <i>Ozone: Science and Engineering</i> , 2016 , 38, 150-155	2.4	7
22	Enhanced removal of polyethylene terephthalate microplastics through polyaluminum chloride coagulation with three typical coagulant aids. <i>Science of the Total Environment</i> , 2021 , 800, 149589	10.2	7
21	Mesoporous hollow black TiO with controlled lattice disorder degrees for highly efficient visible-light-driven photocatalysis. <i>RSC Advances</i> , 2019 , 9, 36907-36914	3.7	6
20	Enhancement of Fe-C micro-electrolysis in water by magnetic field: Mechanism, influential factors and application effectiveness. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124643	12.8	6
19	Sulfite activation by Fe-doped g-C ₃ N ₄ for metronidazole degradation. <i>Separation and Purification Technology</i> , 2021 , 272, 118928	8.3	6
18	Degradation of dimethyl phthalate by peroxomonosulfate ion activated by ZnNiO x catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 122, 1175-1192	1.6	5

17	Weak magnetic field enhances the activation of peroxymonosulfate by ZnO@FeO.. <i>RSC Advances</i> , 2018 , 8, 17462-17470	3.7	5
16	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	2.2	4
15	Activation of Peroxymonosulfate by CuNi@C Derived from Metal-Organic Frameworks Precursor. <i>Australian Journal of Chemistry</i> , 2018 , 71, 874	1.2	4
14	Selective adsorption of anionic dyes from aqueous solution by nickel (II) oxide 2019 , 68, 171-186		3
13	Effects of Freeze-Thaw Cycles on Phosphorus from Sediments in the Middle Reaches of the Yarlung Zangbo River. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	3
12	Enhancement of oxidation capacity of ZVI/Cu ²⁺ /PMS systems by weak magnetic fields 2019 , 161, 260-268		3
11	Oxygen functionalized g-CN strengthen Fe(III)/HO system by accelerating Fe(III)/Fe(II) cycles under natural solar light: A mutual-promoting configuration. <i>Science of the Total Environment</i> , 2021 , 778, 146280	10.2	3
10	Removal of polystyrene nanoplastics from water by CuNi carbon material: The role of adsorption.. <i>Science of the Total Environment</i> , 2022 , 820, 153190	10.2	2
9	Iron-based metal-organic framework derived pyrolytic materials for effective Fenton-like catalysis: Performance, mechanisms and practicability. <i>Science of the Total Environment</i> , 2021 , 152201	10.2	2
8	Fabrication of a Bi ₂ O ₃ Surface-Modified Polyvinylidene Fluoride Membrane via an Ultraviolet Photografting Method: Improving Hydrophilicity and Degree of Acrylic Acid Grafting. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6580-6588	3.9	1
7	Enhancement of ultrasound on oxidation of AO7 by nZVC peroxymonosulfate combined system 2018 , jws2018015		1
6	Activation of O by zero-valent zinc assisted with Cu(II) for organics removal: Performance and mechanism. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127506	12.8	1
5	Enhancing Fe-C micro-electrolysis by coupling MF with electrolyte solution: Mechanism and application. <i>Separation and Purification Technology</i> , 2021 , 257, 117887	8.3	1
4	Synthetic NiO catalyst-assisted peroxymonosulfate for degradation of benzoic acid from aqueous solution. <i>Water Environment Research</i> , 2020 , 92, 1388-1397	2.8	0
3	Ultrasound Accelerated Oxidation of Organic Dyes by a Micron-Sized Copper/Peroxymonosulfate System. <i>Clean - Soil, Air, Water</i> , 2020 , 48, 1900455	1.6	0
2	Release and transformation of phosphorus in sediment following seasonal freezing-thawing cycles.. <i>Journal of Contaminant Hydrology</i> , 2022 , 247, 103978	3.9	0
1	Highly efficient removal of tetracycline hydrochloride by CuNi-C MOF: Activation of oxygen via radical and non-radical pathways. <i>Separation and Purification Technology</i> , 2022 , 290, 120860	8.3	0