

# Tao Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,438  
citations

623734

14  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trace Cupric Species Triggered Decomposition of Peroxymonosulfate and Degradation of Organic Pollutants: Cu(III) Being the Primary and Selective Intermediate Oxidant. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4686-4694.	10.0	284
2	A superior active and stable spinel sulfide for catalytic peroxymonosulfate oxidation of bisphenol S. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 557-567.	20.2	242
3	Improving PMS oxidation of organic pollutants by single cobalt atom catalyst through hybrid radical and non-radical pathways. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118350.	20.2	191
4	Nonradical Oxidation of Pollutants with Single-Atom-Fe(III)-Activated Persulfate: Fe(V) Being the Possible Intermediate Oxidant. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14057-14065.	10.0	190
5	Overview of key operation factors and strategies for improving fermentative volatile fatty acid production and product regulation from sewage sludge. <i>Journal of Environmental Sciences</i> , 2020, 87, 93-111.	6.1	139
6	Comparative study of ozonation and synthetic goethite-catalyzed ozonation of individual NOM fractions isolated and fractionated from a filtered river water. <i>Water Research</i> , 2008, 42, 1563-1570.	11.3	74
7	Targeted reclaiming cationic dyes from dyeing wastewater with a dithiocarbamate-functionalized material through selective adsorption and efficient desorption. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 766-777.	9.4	64
8	Enhancing Volatile Fatty Acid Production during Anaerobic Fermentation of Waste Activated Sludge with Persulfates: Peroxymonosulfate versus Peroxydisulfate. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10073-10082.	6.7	34
9	Membrane Scaling and Wetting in Membrane Distillation: Mitigation Roles Played by Humic Substances. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3258-3266.	10.0	32
10	Reducing bromate formation with H <sup>+</sup> -form high silica zeolites during ozonation of bromide-containing water: Effectiveness and mechanisms. <i>Chemosphere</i> , 2011, 82, 608-612.	8.2	30
11	Enhancement of fermentative volatile fatty acids production from waste activated sludge by combining sodium dodecylbenzene sulfonate and low-thermal pretreatment. <i>Bioresource Technology</i> , 2020, 308, 123291.	9.6	28
12	Effective activation of peroxymonosulfate with natural manganese-containing minerals through a nonradical pathway and the application for the removal of bisphenols. <i>Journal of Hazardous Materials</i> , 2021, 417, 126152.	12.4	28
13	Upgrading volatile fatty acids production through anaerobic co-fermentation of mushroom residue and sewage sludge: Performance evaluation and kinetic analysis. <i>Journal of Environmental Management</i> , 2019, 241, 612-618.	7.8	26
14	A review on advanced oxidation processes homogeneously initiated by copper(II). <i>Chemical Engineering Journal</i> , 2022, 427, 131721.	12.7	24
15	Separate Reclamation of Oil and Surfactant from Oil-in-Water Emulsion with a CO <sub>2</sub> -Responsive Material. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9651-9660.	10.0	14
16	Utilization of Bidirectional Cation Transport in a Thin Film Composite Membrane: Selective Removal and Reclamation of Ammonium from Synthetic Digested Sludge Centrate via an Osmosis-Distillation Hybrid Membrane Process. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10313-10322.	10.0	13
17	Thiourea Dioxide Coupled with Trace Cu(II): An Effective Process for the Reductive Degradation of Ditrizoate. <i>Environmental Science &amp; Technology</i> , 2021, 55, 12009-12018.	10.0	11
18	Extracellular organic matter (EOM) distribution characteristic in algae electro-dewatering process. <i>Journal of Environmental Management</i> , 2020, 265, 110541.	7.8	8

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19	Modification Mechanism of Polyamide Reverse Osmosis Membrane by Persulfate: Roles of Hydroxyl and Sulfate Radicals. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8864-8874.	10.0	6