

# Songlin Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

2,142  
citations

304368

22  
h-index

433756

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of step-by-step oxidation process and its driving mechanism in the peroxydisulfate catalytically activated with redox metal oxides. <i>Chemical Engineering Journal</i> , 2022, 436, 131256.	6.6	8
2	Enhanced degradation of organic compounds through the interfacial transfer of electrons in the presence of phosphate and Nitrogen-cobalt doped graphitic carbon. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1641-1650.	5.0	16
3	Biochar-based activation of peroxide: multivariate-controlled performance, modulatory surface reactive sites and tunable oxidative species. <i>Chemical Engineering Journal</i> , 2022, 428, 131233.	6.6	37
4	Activation of sulfite by ferric ion for the degradation of 2,4,6-tribromophenol with the addition of sulfite in batches. <i>Chinese Chemical Letters</i> , 2022, 33, 4766-4770.	4.8	8
5	Effects of foreign metal doping on the step-by-step oxidation process in M-OMS-2 catalyzed activation of PMS. <i>Journal of Hazardous Materials</i> , 2022, 434, 128773.	6.5	20
6	Applying a novel advanced oxidation process of activated peracetic acid by CoFe <sub>2</sub> O <sub>4</sub> to efficiently degrade sulfamethoxazole. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119422.	10.8	145
7	Recycling application of modified waste electrolytic manganese anode slag as efficient catalyst for PMS activation. <i>Science of the Total Environment</i> , 2021, 762, 143120.	3.9	30
8	Transformation of acetaminophen in solution containing both peroxydisulfate and chlorine: Performance, mechanism, and disinfection by-product formation. <i>Water Research</i> , 2021, 189, 116605.	5.3	50
9	Quantitative evaluation of infectious health care wastes from numbers of confirmed, suspected and out-patients during COVID-19 pandemic: A case study of Wuhan. <i>Waste Management</i> , 2021, 126, 323-330.	3.7	21
10	Application of Cobalt/Peracetic Acid to Degrade Sulfamethoxazole at Neutral Condition: Efficiency and Mechanisms. <i>Environmental Science &amp; Technology</i> , 2020, 54, 464-475.	4.6	261
11	Transformation of tetrabromobisphenol a in the iron ions-catalyzed auto-oxidation of HSO <sub>3</sub> <sup>2-</sup> /SO <sub>3</sub> <sup>2-</sup> process. <i>Separation and Purification Technology</i> , 2020, 235, 116197.	3.9	12
12	Improved sulfamethoxazole degradation by the addition of MoS <sub>2</sub> into the Fe <sup>2+</sup> /peroxydisulfate process. <i>Separation and Purification Technology</i> , 2020, 235, 116170.	3.9	102
13	Chemical cleaning of algae-fouled ultrafiltration (UF) membrane by sodium hypochlorite (NaClO): Characterization of membrane and formation of halogenated by-products. <i>Journal of Membrane Science</i> , 2020, 598, 117662.	4.1	49
14	Cost-benefit analysis of rehabilitating old landfills: A case of Beiyangqiao landfill, Wuhan, China. <i>Journal of the Air and Waste Management Association</i> , 2020, 70, 522-531.	0.9	5
15	pH-dependent transformation products and residual toxicity evaluation of sulfamethoxazole degradation through non-radical oxygen species involved process. <i>Chemical Engineering Journal</i> , 2020, 390, 124512.	6.6	48
16	One-step preparation of ZVI-sludge derived biochar without external source of iron and its application on persulfate activation. <i>Science of the Total Environment</i> , 2020, 714, 136728.	3.9	121
17	A Novel Model of Pressure Decay in Pressure-Driven Membrane Integrity Tests Based on the Bubble Dynamic Process. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 273.	1.3	0
18	Comparative study on the pretreatment of algae-laden water by UV/persulfate, UV/chlorine, and UV/H <sub>2</sub> O <sub>2</sub> : Variation of characteristics and alleviation of ultrafiltration membrane fouling. <i>Water Research</i> , 2019, 158, 213-226.	5.3	110

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19	Enhanced degradation of organic contaminants by zero-valent iron/sulfite process under simulated sunlight irradiation. <i>Water Research</i> , 2019, 149, 169-178.	5.3	100
20	Ultraviolet/persulfate (UV/PS) pretreatment of typical natural organic matter (NOM): Variation of characteristics and control of membrane fouling. <i>Chemosphere</i> , 2019, 214, 136-147.	4.2	65
21	Removal of acetaminophen in the Fe <sup>2+</sup> /persulfate system: Kinetic model and degradation pathways. <i>Chemical Engineering Journal</i> , 2019, 358, 1091-1100.	6.6	178
22	Formation of halogenated by-products during chemical cleaning of humic acid-fouled UF membrane by sodium hypochlorite solution. <i>Chemical Engineering Journal</i> , 2018, 332, 76-84.	6.6	34
23	Application of a novel advanced oxidation process using sulfite and zero-valent iron in treatment of organic pollutants. <i>Chemical Engineering Journal</i> , 2017, 314, 240-248.	6.6	125
24	Heat-activated persulfate oxidation of methyl- and ethyl-parabens: Effect, kinetics, and mechanism. <i>Chemosphere</i> , 2017, 168, 1628-1636.	4.2	131
25	UV/persulfate preoxidation to improve coagulation efficiency of <i>Microcystis aeruginosa</i> . <i>Journal of Hazardous Materials</i> , 2017, 322, 508-515.	6.5	72
26	Improved chlorine tolerance of a polyvinyl pyrrolidone-polysulfone membrane enabled by carboxylated carbon nanotubes. <i>Water Research</i> , 2016, 104, 497-506.	5.3	27
27	Removal of carbamazepine from aqueous solution using sono-activated persulfate process. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 156-162.	3.8	150
28	Quantification of the defect size of ultrafiltration membrane system using mathematical model. <i>Desalination</i> , 2015, 367, 172-179.	4.0	4
29	Modeling the oxidation kinetics of sono-activated persulfate's process on the degradation of humic acid. <i>Ultrasonics Sonochemistry</i> , 2015, 23, 128-134.	3.8	75
30	Analysis of performance criteria for ultrafiltration membrane integrity test using magnetic nanoparticles. <i>Desalination</i> , 2014, 353, 21-29.	4.0	6
31	Removal of organic matter and ammonia nitrogen from landfill leachate by ultrasound. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 933-937.	3.8	95
32	Sonolysis of Pentachlorophenol by Sole- and Dual-Frequency Ultrasonication. , 2008, , .		0
33	Comparison of enhancement of pentachlorophenol sonolysis at 20 kHz by dual-frequency sonication. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 506-510.	3.8	37