Songlin Wang

List of Publications by Year
in descending order

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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	Application of Cobalt/Peracetic Acid to Degrade Sulfamethoxazole at Neutral Condition: Efficiency and Mechanisms. Environmental Science & Technology, 2020, 54, 464-475.	4.6	261
2	Removal of acetaminophen in the Fe2+/persulfate system: Kinetic model and degradation pathways. Chemical Engineering Journal, 2019, 358, 1091-1100.	6.6	178
3	Removal of carbamazepine from aqueous solution using sono-activated persulfate process. Ultrasonics Sonochemistry, 2016, 29, 156-162.	3.8	150
4	Applying a novel advanced oxidation process of activated peracetic acid by CoFe2O4 to efficiently degrade sulfamethoxazole. Applied Catalysis B: Environmental, 2021, 280, 119422.	10.8	145
5	Heat-activated persulfate oxidation of methyl- and ethyl-parabens: Effect, kinetics, and mechanism. Chemosphere, 2017, 168, 1628-1636.	4.2	131
6	Application of a novel advanced oxidation process using sulfite and zero-valent iron in treatment of organic pollutants. Chemical Engineering Journal, 2017, 314, 240-248.	6.6	125
7	One-step preparation of ZVI-sludge derived biochar without external source of iron and its application on persulfate activation. Science of the Total Environment, 2020, 714, 136728.	3.9	121
8	Comparative study on the pretreatment of algae-laden water by UV/persulfate, UV/chlorine, and UV/H2O2: Variation of characteristics and alleviation of ultrafiltration membrane fouling. Water Research, 2019, 158, 213-226.	5.3	110
9	Improved sulfamethoxazole degradation by the addition of MoS2 into the Fe2+/peroxymonosulfate process. Separation and Purification Technology, 2020, 235, 116170.	3.9	102
10	Enhanced degradation of organic contaminants by zero-valent iron/sulfite process under simulated sunlight irradiation. Water Research, 2019, 149, 169-178.	5.3	100
11	Removal of organic matter and ammonia nitrogen from landfill leachate by ultrasound. Ultrasonics Sonochemistry, 2008, 15, 933-937.	3.8	95
12	Modeling the oxidation kinetics of sono-activated persulfateâ€™s process on the degradation of humic acid. Ultrasonics Sonochemistry, 2015, 23, 128-134.	3.8	75
13	UV/persulfate preoxidation to improve coagulation efficiency of Microcystis aeruginosa. Journal of Hazardous Materials, 2017, 322, 508-515.	6.5	72
14	Ultraviolet/persulfate (UV/PS) pretreatment of typical natural organic matter (NOM): Variation of characteristics and control of membrane fouling. Chemosphere, 2019, 214, 136-147.	4.2	65
15	Transformation of acetaminophen in solution containing both peroxymonosulfate and chlorine: Performance, mechanism, and disinfection by-product formation. Water Research, 2021, 189, 116605.	5.3	50
16	Chemical cleaning of algae-fouled ultrafiltration (UF) membrane by sodium hypochlorite (NaClO): Characterization of membrane and formation of halogenated by-products. Journal of Membrane Science, 2020, 598, 117662.	4.1	49
17	pH-dependent transformation products and residual toxicity evaluation of sulfamethoxazole degradation through non-radical oxygen species involved process. Chemical Engineering Journal, 2020, 390, 124512.	6.6	48
18	Comparison of enhancement of pentachlorophenol sonolysis at 20 kHz by dual-frequency sonication. Ultrasonics Sonochemistry, 2006, 13, 506-510.	3.8	37

#	Article	IF	Citations
19	Biochar-based activation of peroxide: multivariate-controlled performance, modulatory surface reactive sites and tunable oxidative species. Chemical Engineering Journal, 2022, 428, 131233.	6.6	37
20	Formation of halogenated by-products during chemical cleaning of humic acid-fouled UF membrane by sodium hypochlorite solution. Chemical Engineering Journal, 2018, 332, 76-84.	6.6	34
21	Recycling application of modified waste electrolytic manganese anode slag as efficient catalyst for PMS activation. Science of the Total Environment, 2021, 762, 143120.	3.9	30
22	Improved chlorine tolerance of a polyvinyl pyrrolidone-polysulfone membrane enabled by carboxylated carbon nanotubes. Water Research, 2016, 104, 497-506.	5.3	27
23	Quantitative evaluation of infectious health care wastes from numbers of confirmed, suspected and out-patients during COVID-19 pandemic: A case study of Wuhan. Waste Management, 2021, 126, 323-330.	3.7	21
24	Effects of foreign metal doping on the step-by-step oxidation process in M-OMS-2 catalyzed activation of PMS. Journal of Hazardous Materials, 2022, 434, 128773.	6.5	20
25	Enhanced degradation of organic compounds through the interfacial transfer of electrons in the presence of phosphate and Nitrogen-cobalt doped graphitic carbon. Journal of Colloid and Interface Science, 2022, 607, 1641-1650.	5.0	16
26	Transformation of tetrabromobisphenol a in the iron ions-catalyzed auto-oxidation of HSO32â˜'/SO32â˜' process. Separation and Purification Technology, 2020, 235, 116197.	3.9	12
27	Identification of step-by-step oxidation process and its driving mechanism in the peroxymonosulfate catalytically activated with redox metal oxides. Chemical Engineering Journal, 2022, 436, 131256.	6.6	8
28	Activation of sulfite by ferric ion for the degradation of 2,4,6-tribromophenol with the addition of sulfite in batches. Chinese Chemical Letters, 2022, 33, 4766-4770.	4.8	8
29	Analysis of performance criteria for ultrafiltration membrane integrity test using magnetic nanoparticles. Desalination, 2014, 353, 21-29.	4.0	6
30	Cost-benefit analysis of rehabilitating old landfills: A case of Beiyangqiao landfill, Wuhan, China. Journal of the Air and Waste Management Association, 2020, 70, 522-531.	0.9	5
31	Quantification of the defect size of ultrafiltration membrane system using mathematical model. Desalination, 2015, 367, 172-179.	4.0	4
32	Sonolysis of Pentachlorophenol by Sole- and Dual-Frequency Ultrasonication. , 2008, , .		0
33	A Novel Model of Pressure Decay in Pressure-Driven Membrane Integrity Tests Based on the Bubble Dynamic Process. Applied Sciences (Switzerland), 2019, 9, 273.	1.3	0