

Weiqiu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,334
citations

430754

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713332

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docs citations

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times ranked

1195
citing authors

#	ARTICLE	IF	CITATIONS
1	UV-induced activation of organic chloramine: Radicals generation, transformation pathway and DBP formation. <i>Journal of Hazardous Materials</i> , 2022, 421, 126459.	6.5	13
2	Computerized Pathway Generator for the UV/Free Chlorine Process: Prediction of Byproducts and Reactions. <i>Environmental Science & Technology</i> , 2021, 55, 2608-2617.	4.6	8
3	Simultaneous removal of chlorite and contaminants of emerging concern under UV photolysis: Hydroxyl radicals vs. chlorate formation. <i>Water Research</i> , 2021, 190, 116708.	5.3	25
4	Degradation of Trimethoprim Using the UV/Free Chlorine Process: Influencing Factors and Optimal Operating Conditions. <i>Water (Switzerland)</i> , 2021, 13, 1656.	1.2	5
5	The role of carbonate radicals on the kinetics, radical chemistry, and energy requirement of UV/chlorine and UV/H ₂ O ₂ processes. <i>Chemosphere</i> , 2021, 278, 130499.	4.2	19
6	Non-negligible risk of chloropicrin formation during chlorination with the UV/persulfate pretreatment process in the presence of low concentrations of nitrite. <i>Water Research</i> , 2020, 168, 115194.	5.3	50
7	Development of a highly efficient electrochemical flow-through anode based on inner in-site enhanced TiO ₂ -nanotubes array. <i>Environment International</i> , 2020, 140, 105813.	4.8	40
8	Electrochemical oxidation of reverse osmosis concentrates using enhanced TiO ₂ -NTA/SnO ₂ -Sb anodes with/without PbO ₂ layer. <i>Chemical Engineering Journal</i> , 2020, 399, 125756.	6.6	41
9	Development of a Three-Dimensional Electrochemical System Using a Blue TiO ₂ /SnO ₂ -Sb ₂ O ₃ Anode for Treating Low-Ionic-Strength Wastewater. <i>Environmental Science & Technology</i> , 2019, 53, 13784-13793.	4.6	45
10	Kinetic, mechanism and mass transfer impact on electrochemical oxidation of MIT using Ti-enhanced nanotube arrays/SnO ₂ -Sb anode. <i>Electrochimica Acta</i> , 2019, 323, 134779.	2.6	54
11	Comparison of diatrizoate degradation by UV/chlorine and UV/chloramine processes: Kinetic mechanisms and iodinated disinfection byproducts formation. <i>Chemical Engineering Journal</i> , 2019, 375, 121972.	6.6	73
12	Electrochemical degradation of methylisothiazolinone by using Ti/SnO ₂ -Sb ₂ O ₃ /PbO ₂ electrode: Kinetics, energy efficiency, oxidation mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 374, 626-636.	6.6	133
13	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. <i>Environmental Science & Technology</i> , 2019, 53, 6937-6944.	4.6	75
14	The individual and Co-exposure degradation of benzophenone derivatives by UV/H ₂ O ₂ and UV/PDS in different water matrices. <i>Water Research</i> , 2019, 159, 102-110.	5.3	79
15	Oxidation Mechanisms of the UV/Free Chlorine Process: Kinetic Modeling and Quantitative Structure Activity Relationships. <i>Environmental Science & Technology</i> , 2019, 53, 4335-4345.	4.6	70
16	Sulfadiazine destruction by chlorination in a pilot-scale water distribution system: Kinetics, pathway, and bacterial community structure. <i>Journal of Hazardous Materials</i> , 2019, 366, 88-97.	6.5	61
17	Oxidation of Microcystin-LR via Activation of Peroxymonosulfate Using Ascorbic Acid: Kinetic Modeling and Toxicity Assessment. <i>Environmental Science & Technology</i> , 2018, 52, 4305-4312.	4.6	114
18	Degradation of dyes by peroxymonosulfate activated by ternary CoFeNi-layered double hydroxide: Catalytic performance, mechanism and kinetic modeling. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 92-100.	5.0	92

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19	The role of reactive oxygen species and carbonate radical in oxcarbazepine degradation via UV, UV/H ₂ O ₂ : Kinetics, mechanisms and toxicity evaluation. Water Research, 2018, 147, 204-213.	5.3	103
20	Impact of Chloride Ions on UV/H ₂ O ₂ and UV/Persulfate Advanced Oxidation Processes. Environmental Science & Technology, 2018, 52, 7380-7389.	4.6	178
21	Insight into chloride effect on the UV/peroxymonosulfate process. Chemical Engineering Journal, 2018, 352, 477-489.	6.6	56