

# Weiqiu Zhang

## List of Publications by Year in descending order

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21  
papers

1,334  
citations

430442

18  
h-index

713013

21  
g-index

21  
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21  
docs citations

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times ranked

1195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Chloride Ions on UV/H <sub>2</sub> O <sub>2</sub> and UV/Persulfate Advanced Oxidation Processes. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7380-7389.	4.6	178
2	Electrochemical degradation of methylisothiazolinone by using Ti/SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> /PbO <sub>2</sub> electrode: Kinetics, energy efficiency, oxidation mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 374, 626-636.	6.6	133
3	Oxidation of Microcystin-LR via Activation of Peroxymonosulfate Using Ascorbic Acid: Kinetic Modeling and Toxicity Assessment. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4305-4312.	4.6	114
4	The role of reactive oxygen species and carbonate radical in oxcarbazepine degradation via UV, UV/H <sub>2</sub> O <sub>2</sub> : Kinetics, mechanisms and toxicity evaluation. <i>Water Research</i> , 2018, 147, 204-213.	5.3	103
5	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
6	The individual and Co-exposure degradation of benzophenone derivatives by UV/H <sub>2</sub> O <sub>2</sub> and UV/PDS in different water matrices. <i>Water Research</i> , 2019, 159, 102-110.	5.3	79
7	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6937-6944.	4.6	75
8	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
9	Oxidation Mechanisms of the UV/Free Chlorine Process: Kinetic Modeling and Quantitative Structure Activity Relationships. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4335-4345.	4.6	70
10	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
11	Insight into chloride effect on the UV/peroxymonosulfate process. <i>Chemical Engineering Journal</i> , 2018, 352, 477-489.	6.6	56
12	Kinetic, mechanism and mass transfer impact on electrochemical oxidation of MIT using Ti-enhanced nanotube arrays/SnO <sub>2</sub> -Sb anode. <i>Electrochimica Acta</i> , 2019, 323, 134779.	2.6	54
13	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
14	Development of a Three-Dimensional Electrochemical System Using a Blue TiO <sub>2</sub> /SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> Anode for Treating Low-Ionic-Strength Wastewater. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13784-13793.	4.6	45
15	Electrochemical oxidation of reverse osmosis concentrates using enhanced TiO <sub>2</sub> -NTA/SnO <sub>2</sub> -Sb anodes with/without PbO <sub>2</sub> layer. <i>Chemical Engineering Journal</i> , 2020, 399, 125756.	6.6	41
16	Development of a highly efficient electrochemical flow-through anode based on inner in-site enhanced TiO <sub>2</sub> -nanotubes array. <i>Environment International</i> , 2020, 140, 105813.	4.8	40
17	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
18	The role of carbonate radicals on the kinetics, radical chemistry, and energy requirement of UV/chlorine and UV/H <sub>2</sub> O <sub>2</sub> processes. <i>Chemosphere</i> , 2021, 278, 130499.	4.2	19

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19	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
20	Computerized Pathway Generator for the UV/Free Chlorine Process: Prediction of Byproducts and Reactions. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2608-2617.	4.6	8
21	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