

Yi-Hsueh Chuang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,191
citations

623188

14
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

1023
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing the UV/Monochloramine and UV/Free Chlorine Advanced Oxidation Processes (AOPs) to the UV/Hydrogen Peroxide AOP Under Scenarios Relevant to Potable Reuse. <i>Environmental Science & Technology</i> , 2017, 51, 13859-13868.	4.6	313
2	Effect of Ozonation and Biological Activated Carbon Treatment of Wastewater Effluents on Formation of <i>N</i> -nitrosamines and Halogenated Disinfection Byproducts. <i>Environmental Science & Technology</i> , 2017, 51, 2329-2338.	4.6	124
3	Development of Predictive Models for the Degradation of Halogenated Disinfection Byproducts during the UV/H ₂ O ₂ Advanced Oxidation Process. <i>Environmental Science & Technology</i> , 2016, 50, 11209-11217.	4.6	95
4	Pilot-scale evaluation of oxidant speciation, 1,4-dioxane degradation and disinfection byproduct formation during UV/hydrogen peroxide, UV/free chlorine and UV/chloramines advanced oxidation process treatment for potable reuse. <i>Water Research</i> , 2019, 164, 114939.	5.3	87
5	Pilot-scale comparison of microfiltration/reverse osmosis and ozone/biological activated carbon with UV/hydrogen peroxide or UV/free chlorine AOP treatment for controlling disinfection byproducts during wastewater reuse. <i>Water Research</i> , 2019, 152, 215-225.	5.3	87
6	Comparison of Toxicity-Weighted Disinfection Byproduct Concentrations in Potable Reuse Waters and Conventional Drinking Waters as a New Approach to Assessing the Quality of Advanced Treatment Train Waters. <i>Environmental Science & Technology</i> , 2019, 53, 3729-3738.	4.6	80
7	Formation Pathways and Trade-Offs between Haloacetamides and Haloacetaldehydes during Combined Chlorination and Chloramination of Lignin Phenols and Natural Waters. <i>Environmental Science & Technology</i> , 2015, 49, 14432-14440.	4.6	77
8	Predicting the Contribution of Chloramines to Contaminant Decay during Ultraviolet/Hydrogen Peroxide Advanced Oxidation Process Treatment for Potable Reuse. <i>Environmental Science & Technology</i> , 2019, 53, 4416-4425.	4.6	66
9	The contribution of dissolved organic nitrogen and chloramines to nitrogenous disinfection byproduct formation from natural organic matter. <i>Water Research</i> , 2013, 47, 1308-1316.	5.3	53
10	Formation of trichloronitromethane and dichloroacetonitrile in natural waters: Precursor characterization, kinetics and interpretation. <i>Journal of Hazardous Materials</i> , 2015, 283, 218-226.	6.5	30
11	Reductive Electrochemical Activation of Hydrogen Peroxide as an Advanced Oxidation Process for Treatment of Reverse Osmosis Permeate during Potable Reuse. <i>Environmental Science & Technology</i> , 2020, 54, 12593-12601.	4.6	27
12	In situ engineering of highly conductive TiO ₂ /carbon heterostructure fibers for enhanced electrocatalytic degradation of water pollutants. <i>Journal of Hazardous Materials</i> , 2022, 429, 128328.	6.5	21
13	Pilot UV-AOP Comparison of UV/Hydrogen Peroxide, UV/Free Chlorine, and UV/Monochloramine for the Removal of <i>N</i> -Nitrosodimethylamine (NDMA) and NDMA Precursors. <i>ACS ES&T Water</i> , 2021, 1, 396-406.	2.3	19
14	Photolysis of Chlorine Dioxide under UVA Irradiation: Radical Formation, Application in Treating Micropollutants, Formation of Disinfection Byproducts, and Toxicity under Scenarios Relevant to Potable Reuse and Drinking Water. <i>Environmental Science & Technology</i> , 2022, 56, 2593-2604.	4.6	19
15	Removal of Pathogens and Chemicals of Emerging Concern by Pilot-Scale FO-RO Hybrid Units Treating RO Concentrate, Graywater, and Sewage for Centralized and Decentralized Potable Reuse. <i>ACS ES&T Water</i> , 2021, 1, 89-100.	2.3	15
16	UV/chlorinated cyanurates as an emerging advanced oxidation process for drinking water and potable reuse treatments. <i>Water Research</i> , 2022, 211, 118075.	5.3	15
17	Comparing industrial and domestic discharges as sources of <i>N</i> -nitrosamines and their chloramine or ozone-reactive precursors. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 726-736.	1.2	14
18	Chlorine residuals and haloacetic acid reduction in rapid sand filtration. <i>Chemosphere</i> , 2011, 85, 1146-1153.	4.2	11

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19	Pilot-scale ozone/biological activated carbon treatment of reverse osmosis concentrate: potential for synergism between nitrate and contaminant removal and potable reuse. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1421-1431.	1.2	11
20	Formation of N-nitrosamines during the analysis of municipal secondary biological nutrient removal process effluents by US EPA method 521. <i>Chemosphere</i> , 2019, 221, 597-605.	4.2	10
21	Serum electrolytes can promote hydroxyl radical-initiated biomolecular damage from inflammation. <i>Free Radical Biology and Medicine</i> , 2019, 141, 475-482.	1.3	6
22	The formation kinetics of haloacetonitriles and halonitromethanes during chloramination. <i>Water Science and Technology: Water Supply</i> , 2014, 14, 540-546.	1.0	4
23	Degradation Kinetics and Pathways of Isopropyl Alcohol by Microwave-Assisted Oxidation Process. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12461-12473.	1.8	4
24	Effects of ozonation and biological filtration on the formation of nitrogenous disinfection byproducts during chloramination. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2016, 65, 162-171.	0.6	2