Yi-Hsueh Chuang

List of Publications by Year
in descending order

24	1,191	623188	580395
papers	citations	14 h-index	25 g-index

25	25	25	1023
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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. Environmental Science & Technology, 2022, 56, 2593-2604.	4.6	19
2	UV/chlorinated cyanurates as an emerging advanced oxidation process for drinking water and potable reuse treatments. Water Research, 2022, 211, 118075.	5.3	15
3	In situ engineering of highly conductive TiO2/carbon heterostructure fibers for enhanced electrocatalytic degradation of water pollutants. Journal of Hazardous Materials, 2022, 429, 128328.	6.5	21
4	Pilot UV-AOP Comparison of UV/Hydrogen Peroxide, UV/Free Chlorine, and UV/Monochloramine for the Removal of N-Nitrosodimethylamine (NDMA) and NDMA Precursors. ACS ES&T Water, 2021, 1, 396-406.	2.3	19
5	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. ACS ES&T Water, 2021, 1, 89-100.	2.3	15
6	Degradation Kinetics and Pathways of Isopropyl Alcohol by Microwave-Assisted Oxidation Process. Industrial & Engineering Chemistry Research, 2021, 60, 12461-12473.	1.8	4
7	Reductive Electrochemical Activation of Hydrogen Peroxide as an Advanced Oxidation Process for Treatment of Reverse Osmosis Permeate during Potable Reuse. Environmental Science & Technology, 2020, 54, 12593-12601.	4.6	27
8	Pilot-scale ozone/biological activated carbon treatment of reverse osmosis concentrate: potential for synergism between nitrate and contaminant removal and potable reuse. Environmental Science: Water Research and Technology, 2020, 6, 1421-1431.	1.2	11
9	Serum electrolytes can promote hydroxyl radical-initiated biomolecular damage from inflammation. Free Radical Biology and Medicine, 2019, 141, 475-482.	1.3	6
10	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. Water Research, 2019, 164, 114939.	5.3	87
11	Predicting the Contribution of Chloramines to Contaminant Decay during Ultraviolet/Hydrogen Peroxide Advanced Oxidation Process Treatment for Potable Reuse. Environmental Science & Technology, 2019, 53, 4416-4425.	4.6	66
12	Comparing industrial and domestic discharges as sources of N-nitrosamines and their chloramine or ozone-reactive precursors. Environmental Science: Water Research and Technology, 2019, 5, 726-736.	1.2	14
13	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. Environmental Science & Technology, 2019, 53, 3729-3738.	4.6	80
14	Formation of N-nitrosamines during the analysis of municipal secondary biological nutrient removal process effluents by US EPA method 521. Chemosphere, 2019, 221, 597-605.	4.2	10
15	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. Water Research, 2019, 152, 215-225.	5.3	87
16	Effect of Ozonation and Biological Activated Carbon Treatment of Wastewater Effluents on Formation of N-nitrosamines and Halogenated Disinfection Byproducts. Environmental Science & Technology, 2017, 51, 2329-2338.	4.6	124
17	Comparing the UV/Monochloramine and UV/Free Chlorine Advanced Oxidation Processes (AOPs) to the UV/Hydrogen Peroxide AOP Under Scenarios Relevant to Potable Reuse. Environmental Science & Technology, 2017, 51, 13859-13868.	4.6	313
18	Effects of ozonation and biological filtration on the formation of nitrogenous disinfection byproducts during chloramination. Journal of Water Supply: Research and Technology - AQUA, 2016, 65, 162-171.	0.6	2

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19	Development of Predictive Models for the Degradation of Halogenated Disinfection Byproducts during the UV/H₂O₂ Advanced Oxidation Process. Environmental Science & Technology, 2016, 50, 11209-11217.	4.6	95
20	Formation Pathways and Trade-Offs between Haloacetamides and Haloacetaldehydes during Combined Chlorination and Chloramination of Lignin Phenols and Natural Waters. Environmental Science & Technology, 2015, 49, 14432-14440.	4.6	77
21	Formation of trichloronitromethane and dichloroacetonitrile in natural waters: Precursor characterization, kinetics and interpretation. Journal of Hazardous Materials, 2015, 283, 218-226.	6.5	30
22	The formation kinetics of haloacetonitriles and halonitromethanes during chloramination. Water Science and Technology: Water Supply, 2014, 14, 540-546.	1.0	4
23	The contribution of dissolved organic nitrogen and chloramines to nitrogenous disinfection byproduct formation from natural organic matter. Water Research, 2013, 47, 1308-1316.	5.3	53
24	Chlorine residuals and haloacetic acid reduction in rapid sand filtration. Chemosphere, 2011, 85, 1146-1153.	4.2	11