

Susan A Andrews

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,752
citations

279798

23
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265206

42
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43
all docs

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docs citations

43
times ranked

1991
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of UV/Chlorine Oxidation on Disinfection Byproduct Formation from Diverse Model Compounds. ACS ES&T Water, 2022, 2, 573-582.	4.6	9
2	Effects of UV Light Path Length and Wavelength on UV/Chlorine versus UV/H ₂ O ₂ Efficacy. ACS ES&T Water, 2021, 1, 1145-1152.	4.6	3
3	A comparison of sodium sulfite, ammonium chloride, and ascorbic acid for quenching chlorine prior to disinfection byproduct analysis. Water Science and Technology: Water Supply, 2021, 21, 2313-2323.	2.1	20
4	Effective enzyme activity: A proposed monitoring methodology for biofiltration systems with or without ozone. Water Research, 2020, 183, 116069.	11.3	11
5	Impact of backwash on biofiltration-related nitrogenous disinfection by-product formation. Water Research, 2020, 174, 115641.	11.3	6
6	Chlorine is preferred over bisulfite for H ₂ O ₂ quenching following UV-AOP drinking water treatment. Water Research, 2019, 165, 115000.	11.3	25
7	Full-scale comparison of UV/H ₂ O ₂ and UV/Cl ₂ advanced oxidation: The degradation of micropollutant surrogates and the formation of disinfection byproducts. Water Research, 2019, 161, 448-458.	11.3	85
8	Removal of 3-chloro-4-(dichloromethyl)-2(5H)-furanone (MX) precursors during drinking water biofiltration. Environmental Science: Water Research and Technology, 2019, 5, 967-976.	2.4	1
9	The contribution of biofilm to nitrogenous disinfection by-product formation in full-scale cyclically-operated drinking water biofilters. Water Research, 2019, 155, 403-409.	11.3	16
10	Pilot-scale comparison of cyclically and continuously operated drinking water biofilters: Evaluation of biomass, biological activity and treated water quality. Water Research, 2019, 149, 488-495.	11.3	12
11	Removal of natural organic matter and disinfection byproduct precursors from drinking water using photocatalytically regenerable nanoscale adsorbents. Chemosphere, 2019, 218, 52-63.	8.2	18
12	Multi-year prediction of estrogenicity in municipal wastewater effluents. Science of the Total Environment, 2018, 610-611, 1103-1112.	8.0	24
13	Photocatalysis with easily recoverable linear engineered TiO ₂ nanomaterials to prevent the formation of disinfection byproducts in drinking water. Journal of Environmental Chemical Engineering, 2018, 6, 197-207.	6.7	15
14	Modeling the exposure of wild fish to endocrine active chemicals: Potential linkages of total estrogenicity to field-observed intersex. Water Research, 2018, 139, 187-197.	11.3	30
15	Solar photocatalysis with modified TiO ₂ photocatalysts: effects on NOM and disinfection byproduct formation potential. Environmental Science: Water Research and Technology, 2018, 4, 1361-1376.	2.4	15
16	Adsorption of natural organic matter and disinfection byproduct precursors from surface water onto TiO ₂ nanoparticles: pH effects, isotherm modelling and implications for using TiO ₂ for drinking water treatment. Chemosphere, 2017, 174, 363-370.	8.2	57
17	Predicted Impact of Aeration on Toxicity From Trihalomethanes and Other Disinfection Byproducts. Journal - American Water Works Association, 2017, 109, 13-21.	0.3	5
18	Comments on a Method to Measure Sucralose Using UV Photodegradation Followed by UV Spectrophotometry. Journal of AOAC INTERNATIONAL, 2017, 100, 810-813.	1.5	0

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19	Fluorescence spectroscopy for monitoring reduction of natural organic matter and halogenated furanone precursors by biofiltration. <i>Chemosphere</i> , 2016, 153, 155-161.	8.2	30
20	Photocatalytic decomposition of organic micropollutants using immobilized TiO ₂ having different isoelectric points. <i>Water Research</i> , 2016, 101, 351-361.	11.3	63
21	Photocatalytic decomposition of selected estrogens and their estrogenic activity by UV-LED irradiated TiO ₂ immobilized on porous titanium sheets via thermal-chemical oxidation. <i>Journal of Hazardous Materials</i> , 2016, 318, 541-550.	12.4	50
22	Comparison of Hydrogen Peroxide to Ammonium Ions and Sulfite as a Free Chlorine Quenching Agent for Disinfection By-Product Measurement. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	4
23	Conventional drinking water treatment and direct biofiltration for the removal of pharmaceuticals and artificial sweeteners: A pilot-scale approach. <i>Science of the Total Environment</i> , 2016, 544, 10-17.	8.0	45
24	Rejection of pharmaceutically-based N-nitrosodimethylamine precursors using nanofiltration. <i>Water Research</i> , 2016, 93, 179-186.	11.3	6
25	UV/chlorine control of drinking water taste and odour at pilot and full-scale. <i>Chemosphere</i> , 2015, 136, 239-244.	8.2	75
26	Methadone Contributes to N-Nitrosodimethylamine Formation in Surface Waters and Wastewaters during Chloramination. <i>Environmental Science and Technology Letters</i> , 2015, 2, 151-157.	8.7	70
27	Formation of disinfection by-products in the ultraviolet/chlorine advanced oxidation process. <i>Science of the Total Environment</i> , 2015, 518-519, 49-57.	8.0	119
28	Engineered biofiltration for the removal of disinfection by-product precursors and genotoxicity. <i>Water Research</i> , 2015, 81, 196-207.	11.3	67
29	Effects of coagulation on the removal of natural organic matter, genotoxicity, and precursors to halogenated furanones. <i>Water Research</i> , 2015, 70, 118-129.	11.3	42
30	Formation of NDMA from ranitidine and sumatriptan: The role of pH. <i>Water Research</i> , 2013, 47, 802-810.	11.3	58
31	NDMA formation from amine-based pharmaceuticals – Impact from prechlorination and water matrix. <i>Water Research</i> , 2013, 47, 2446-2457.	11.3	51
32	Effects of pipe materials, orthophosphate, and flow conditions on chloramine decay and NDMA formation in modified pipe loops. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2013, 62, 107-119.	1.4	9
33	Factors affecting catalysis of copper corrosion products in NDMA formation from DMA in simulated premise plumbing. <i>Chemosphere</i> , 2013, 93, 2683-2689.	8.2	17
34	Effects of phosphate-based corrosion inhibitors on the kinetics of chlorine degradation and haloacetic acid formation in contact with three metal materials. <i>Canadian Journal of Civil Engineering</i> , 2012, 39, 44-54.	1.3	5
35	Catalysis of copper corrosion products on chlorine decay and HAA formation in simulated distribution systems. <i>Water Research</i> , 2012, 46, 2665-2673.	11.3	43
36	Demonstration of 20 pharmaceuticals and personal care products (PPCPs) as nitrosamine precursors during chloramine disinfection. <i>Water Research</i> , 2011, 45, 944-952.	11.3	312

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37	NDMA formation kinetics from three pharmaceuticals in four water matrices. <i>Water Research</i> , 2011, 45, 5687-5694.	11.3	74
38	Impact of a natural coagulant pretreatment for colour removal on solar water disinfection (SODIS). <i>Journal of Water Sanitation and Hygiene for Development</i> , 2011, 1, 57-67.	1.8	13
39	Disinfection effectiveness of organic chloramines, investigating the effect of pH. <i>Water Research</i> , 2010, 44, 845-853.	11.3	33
40	Effect of ClO ₂ Pretreatment on Subsequent Water Treatment Processes. <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 478-485.	1.4	9
41	Heterogeneous Catalytic Ozonation of Aqueous Reactive Dye. <i>Ozone: Science and Engineering</i> , 2005, 27, 257-263.	2.5	37
42	Effect of medium-pressure UV irradiation on bromate concentrations in drinking water, a pilot-scale study. <i>Water Research</i> , 2004, 38, 211-217.	11.3	56
43	Optimal methods for quenching H ₂ O ₂ residuals prior to UFC testing. <i>Water Research</i> , 2003, 37, 3697-3703.	11.3	112