Susan A Andrews

List of Publications by Year
in descending order

43 papers	1,752 citations	279798 23 h-index	265206 42 g-index
43 all docs	43 docs citations	43 times ranked	1991 citing authors

#	Article	IF	Citations
1	Demonstration of 20 pharmaceuticals and personal care products (PPCPs) as nitrosamine precursors during chloramine disinfection. Water Research, 2011, 45, 944-952.	11.3	312
2	Formation of disinfection by-products in the ultraviolet/chlorine advanced oxidation process. Science of the Total Environment, 2015, 518-519, 49-57.	8.0	119
3	Optimal methods for quenching H2O2 residuals prior to UFC testing. Water Research, 2003, 37, 3697-3703.	11.3	112
4	Full-scale comparison of UV/H2O2 and UV/Cl2 advanced oxidation: The degradation of micropollutant surrogates and the formation of disinfection byproducts. Water Research, 2019, 161, 448-458.	11.3	85
5	UV/chlorine control of drinking water taste and odour at pilot and full-scale. Chemosphere, 2015, 136, 239-244.	8.2	75
6	NDMA formation kinetics from three pharmaceuticals in four water matrices. Water Research, 2011, 45, 5687-5694.	11.3	74
7	Methadone Contributes to N-Nitrosodimethylamine Formation in Surface Waters and Wastewaters during Chloramination. Environmental Science and Technology Letters, 2015, 2, 151-157.	8.7	70
8	Engineered biofiltration for the removal of disinfection by-product precursors and genotoxicity. Water Research, 2015, 81, 196-207.	11.3	67
9	Photocatalytic decomposition of organic micropollutants using immobilized TiO2 having different isoelectric points. Water Research, 2016, 101, 351-361.	11.3	63
10	Formation of NDMA from ranitidine and sumatriptan: The role of pH. Water Research, 2013, 47, 802-810.	11.3	58
11	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
12	Effect of medium-pressure UV irradiation on bromate concentrations in drinking water, a pilot-scale study. Water Research, 2004, 38, 211-217.	11.3	56
13	NDMA formation from amine-based pharmaceuticals â€“ Impact from prechlorination and water matrix. Water Research, 2013, 47, 2446-2457.	11.3	51
14	Photocatalytic decomposition of selected estrogens and their estrogenic activity by UV-LED irradiated TiO2 immobilized on porous titanium sheets via thermal-chemical oxidation. Journal of Hazardous Materials, 2016, 318, 541-550.	12.4	50
15	Conventional drinking water treatment and direct biofiltration for the removal of pharmaceuticals and artificial sweeteners: A pilot-scale approach. Science of the Total Environment, 2016, 544, 10-17.	8.0	45
16	Catalysis of copper corrosion products on chlorine decay and HAA formation in simulated distribution systems. Water Research, 2012, 46, 2665-2673.	11.3	43
17	Effects of coagulation on the removal of natural organic matter, genotoxicity, and precursors to halogenated furanones. Water Research, 2015, 70, 118-129.	11.3	42
18	Heterogeneous Catalytic Ozonation of Aqueous Reactive Dye. Ozone: Science and Engineering, 2005, 27, 257-263.	2.5	37

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19	Disinfection effectiveness of organic chloramines, investigating the effect of pH. Water Research, 2010, 44, 845-853.	11.3	33
20	Fluorescence spectroscopy for monitoring reduction of natural organic matter and halogenated furanone precursors by biofiltration. Chemosphere, 2016, 153, 155-161.	8.2	30
21	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
22	Chlorine is preferred over bisulfite for H2O2 quenching following UV-AOP drinking water treatment. Water Research, 2019, 165, 115000.	11.3	25
23	Multi-year prediction of estrogenicity in municipal wastewater effluents. Science of the Total Environment, 2018, 610-611, 1103-1112.	8.0	24
24	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
25	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
26	Factors affecting catalysis of copper corrosion products in NDMA formation from DMA in simulated premise plumbing. Chemosphere, 2013, 93, 2683-2689.	8.2	17
27	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
28	Photocatalysis with easily recoverable linear engineered TiO2 nanomaterials to prevent the formation of disinfection byproducts in drinking water. Journal of Environmental Chemical Engineering, 2018, 6, 197-207.	6.7	15
29	Solar photocatalysis with modified TiO₂ photocatalysts: effects on NOM and disinfection byproduct formation potential. Environmental Science: Water Research and Technology, 2018, 4, 1361-1376.	2.4	15
30	Impact of a natural coagulant pretreatment for colour removal on solar water disinfection (SODIS). Journal of Water Sanitation and Hygiene for Development, 2011, 1, 57-67.	1.8	13
31	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
32	Effective enzyme activity: A proposed monitoring methodology for biofiltration systems with or without ozone. Water Research, 2020, 183, 116069.	11.3	11
33	Effect of ClO2 Pretreatment on Subsequent Water Treatment Processes. Journal of Environmental Engineering, ASCE, 2008, 134, 478-485.	1.4	9
34	Effects of pipe materials, orthophosphate, and flow conditions on chloramine decay and NDMA formation in modified pipe loops. Journal of Water Supply: Research and Technology - AQUA, 2013, 62, 107-119.	1.4	9
35	Effect of UV/Chlorine Oxidation on Disinfection Byproduct Formation from Diverse Model Compounds. ACS ES&T Water, 2022, 2, 573-582.	4.6	9
36	Rejection of pharmaceutically-based N-nitrosodimethylamine precursors using nanofiltration. Water Research, 2016, 93, 179-186.	11.3	6

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37	Impact of backwash on biofiltration-related nitrogenous disinfection by-product formation. Water Research, 2020, 174, 115641.	11.3	6
38	Effects of phosphate-based corrosion inhibitors on the kinetics of chlorine degradation and haloacetic acid formation in contact with three metal materials. Canadian Journal of Civil Engineering, 2012, 39, 44-54.	1.3	5
39	Predicted Impact of Aeration on Toxicity From Trihalomethanes and Other Disinfection Byproducts. Journal - American Water Works Association, 2017, 109, 13-21.	0.3	5
40	Comparison of Hydrogen Peroxide to Ammonium Ions and Sulfite as a Free Chlorine Quenching Agent for Disinfection By-Product Measurement. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	4
41	Effects of UV Light Path Length and Wavelength on UV/Chlorine versus UV/H₂O₂ Efficacy. ACS ES&T Water, 2021, 1, 1145-1152.	4.6	3
42	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
43	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