Elizabeth D Wagner

List of Publications by Year
in descending order

44 papers	8,780 citations	136740 32 h-index	253896 43 g-index
44 all docs	44 docs citations	44 times ranked	4560 citing authors

#	Article	IF	Citations
1	Occurrence, genotoxicity, and carcinogenicity of regulated and emerging disinfection by-products in drinking water: A review and roadmap for research. Mutation Research - Reviews in Mutation Research, 2007, 636, 178-242.	2.4	2,531
2	Occurrence and Mammalian Cell Toxicity of Iodinated Disinfection Byproducts in Drinking Water. Environmental Science & Technology, 2008, 42, 8330-8338.	4.6	830
3	Haloacetonitriles vs. Regulated Haloacetic Acids:Â Are Nitrogen-Containing DBPs More Toxic?. Environmental Science & Technology, 2007, 41, 645-651.	4.6	597
4	CHO cell cytotoxicity and genotoxicity analyses of disinfection by-products: An updated review. Journal of Environmental Sciences, 2017, 58, 64-76.	3.2	528
5	Occurrence, Synthesis, and Mammalian Cell Cytotoxicity and Genotoxicity of Haloacetamides: An Emerging Class of Nitrogenous Drinking Water Disinfection Byproducts. Environmental Science & Technology, 2008, 42, 955-961.	4.6	452
6	Halonitromethane Drinking Water Disinfection Byproducts:Â Chemical Characterization and Mammalian Cell Cytotoxicity and Genotoxicity. Environmental Science & Technology, 2004, 38, 62-68.	4.6	446
7	Chemical and Biological Characterization of Newly Discovered Iodoacid Drinking Water Disinfection Byproducts. Environmental Science & Technology, 2004, 38, 4713-4722.	4.6	433
8	Mammalian cell cytotoxicity and genotoxicity analysis of drinking water disinfection by-products. Environmental and Molecular Mutagenesis, 2002, 40, 134-142.	0.9	352
9	Formation of Toxic Iodinated Disinfection By-Products from Compounds Used in Medical Imaging. Environmental Science & Technology, 2011, 45, 6845-6854.	4.6	242
10	Toxic Impact of Bromide and Iodide on Drinking Water Disinfected with Chlorine or Chloramines. Environmental Science & Technology, 2014, 48, 12362-12369.	4.6	215
11	TIC-Tox: A preliminary discussion on identifying the forcing agents of DBP-mediated toxicity of disinfected water. Journal of Environmental Sciences, 2017, 58, 208-216.	3.2	184
12	Occurrence and Comparative Toxicity of Haloacetaldehyde Disinfection Byproducts in Drinking Water. Environmental Science & Technology, 2015, 49, 13749-13759.	4.6	167
13	Comparative Mammalian Cell Toxicity of N-DBPs and C-DBPs. ACS Symposium Series, 2008, , 36-50.	0.5	164
14	Occurrence and Toxicity of Disinfection Byproducts in European Drinking Waters in Relation with the HIWATE Epidemiology Study. Environmental Science & Technology, 2012, 46, 12120-12128.	4.6	143
15	Genotoxicity of Water Concentrates from Recreational Pools after Various Disinfection Methods. Environmental Science & Technology, 2010, 44, 3527-3532.	4.6	111
16	Human Cell Toxicogenomic Analysis Linking Reactive Oxygen Species to the Toxicity of Monohaloacetic Acid Drinking Water Disinfection Byproducts. Environmental Science & Technology, 2013, 47, 12514-12523.	4.6	108
17	Assessing Additivity of Cytotoxicity Associated with Disinfection Byproducts in Potable Reuse and Conventional Drinking Waters. Environmental Science & Technology, 2020, 54, 5729-5736.	4.6	102
18	The comet assay: Genotoxic damage or nuclear fragmentation?. Environmental and Molecular Mutagenesis, 2003, 42, 61-67.	0.9	90

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19	Identification and Comparative Mammalian Cell Cytotoxicity of New Iodo-Phenolic Disinfection Byproducts in Chloraminated Oil and Gas Wastewaters. Environmental Science and Technology Letters, 2017, 4, 475-480.	3.9	83
20	Comparative Human Cell Toxicogenomic Analysis of Monohaloacetic Acid Drinking Water Disinfection Byproducts. Environmental Science & Technology, 2010, 44, 7206-7212.	4.6	80
21	Analysis of mutagens with single cell gel electrophoresis, flow cytometry, and forward mutation assays in an isolated clone of Chinese hamster ovary cells. , 1998, 32, 360-368.		78
22	Drivers of Disinfection Byproduct Cytotoxicity in U.S. Drinking Water: Should Other DBPs Be Considered for Regulation?. Environmental Science & Technology, 2022, 56, 392-402.	4.6	77
23	Comparative Mammalian Cell Cytotoxicity of Water Concentrates from Disinfected Recreational Pools. Environmental Science & Technology, 2011, 45, 4159-4165.	4.6	74
24	Comparative Quantitative Toxicology and QSAR Modeling of the Haloacetonitriles: Forcing Agents of Water Disinfection Byproduct Toxicity. Environmental Science & Technology, 2020, 54, 8909-8918.	4.6	72
25	Differential Toxicity of Drinking Water Disinfected with Combinations of Ultraviolet Radiation and Chlorine. Environmental Science & Technology, 2012, 46, 7811-7817.	4.6	68
26	Chloramination of wastewater effluent: Toxicity and formation of disinfection byproducts. Journal of Environmental Sciences, 2017, 58, 135-145.	3.2	67
27	Toxicological Comparison of Water, Wastewaters, and Processed Wastewaters. Environmental Science & Technology, 2019, 53, 9139-9147.	4.6	44
28	Energy of the Lowest Unoccupied Molecular Orbital, Thiol Reactivity, and Toxicity of Three Monobrominated Water Disinfection Byproducts. Environmental Science & Technology, 2016, 50, 3215-3221.	4.6	42
29	Charting a New Path To Resolve the Adverse Health Effects of DBPs. ACS Symposium Series, 2015, , 3-23.	0.5	39
30	Making Swimming Pools Safer: Does Copperâ€“Silver Ionization with Chlorine Lower the Toxicity and Disinfection Byproduct Formation?. Environmental Science & Technology, 2021, 55, 2908-2918.	4.6	36
31	Detecting Departure From Additivity Along aÂFixed-Ratio Mixture Ray With a Piecewise Model for Dose and Interaction Thresholds. Journal of Agricultural, Biological, and Environmental Statistics, 2010, 15, 510-522.	0.7	35
32	Monohaloacetic acid drinking water disinfection by-products inhibit follicle growth and steroidogenesis in mouse ovarian antral follicles in vitro. Reproductive Toxicology, 2016, 62, 71-76.	1.3	34
33	Testing for additivity in chemical mixtures using a fixed-ratio ray design and statistical equivalence testing methods. Journal of Agricultural, Biological, and Environmental Statistics, 2007, 12, 514-533.	0.7	33
34	Chloramination of iodide-containing waters: Formation of iodinated disinfection byproducts and toxicity correlation with total organic halides of treated waters. Science of the Total Environment, 2019, 697, 134142.	3.9	33
35	Toxicity of chlorinated algal-impacted waters: Formation of disinfection byproducts vs. reduction of cyanotoxins. Water Research, 2020, 184, 116145.	5.3	33
36	Monohalogenated acetamide-induced cellular stress and genotoxicity are related to electrophilic softness and thiol/thiolate reactivity. Journal of Environmental Sciences, 2017, 58, 224-230.	3.2	28

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37	High-Resolution Mass Spectrometry Identification of Novel Surfactant-Derived Sulfur-Containing Disinfection Byproducts from Gas Extraction Wastewater. Environmental Science & Technology, 2020, 54, 9374-9386.	4.6	27
38	Preferential Halogenation of Algal Organic Matter by Iodine over Chlorine and Bromine: Formation of Disinfection Byproducts and Correlation with Toxicity of Disinfected Waters. Environmental Science & Technology, 2022, 56, 1244-1256.	4.6	27
39	Thiol Reactivity Analyses To Predict Mammalian Cell Cytotoxicity of Water Samples. Environmental Science & Technology, 2018, 52, 8822-8829.	4.6	24
40	Chapter 3. Microplate-Based Comet Assay. Issues in Toxicology, 2009, , 79-97.	0.2	23
41	In vitro effects-based method and water quality screening model for use in pre- and post-distribution treated waters. Science of the Total Environment, 2021, 768, 144750.	3.9	11
42	Feel the Burn: Disinfection Byproduct Formation and Cytotoxicity during Chlorine Burn Events. Environmental Science & Technology, 2022, 56, 8245-8254.	4.6	10
43	Composite toxicity assays for enhanced assessment of decentralized potable reuse systems. Environmental Science: Water Research and Technology, 2020, 6, 3306-3315.	1.2	5
44	Comparison of Estrogenic, Spectroscopic, and Toxicological Analyses of Pilot-Scale Water, Wastewaters, and Processed Wastewaters at Select Military Installations. Environmental Science & Technology, 2021, 55, 13103-13112.	4.6	2