Micheal J Plewa

List of Publications by Year
in descending order

189 papers	16,307 citations	20036 63 h-index	18944 123 g-index
189 all docs	189 docs citations	189 times ranked	10322 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	Adsorption of organic contaminants by graphene nanosheets: A review. Water Research, 2017, 126, 385-398.	5.3	354
9	Mammalian cell cytotoxicity and genotoxicity analysis of drinking water disinfection by-products. Environmental and Molecular Mutagenesis, 2002, 40, 134-142.	0.9	352
10	The overlooked short- and ultrashort-chain poly- and perfluorinated substances: A review. Chemosphere, 2019, 220, 866-882.	4.2	287
11	Mammalian cell cytotoxicity and genotoxicity of the haloacetic acids, a major class of drinking water disinfection byâ€products. Environmental and Molecular Mutagenesis, 2010, 51, 871-878.	0.9	266
12	Formation of Toxic Iodinated Disinfection By-Products from Compounds Used in Medical Imaging. Environmental Science & Technology, 2011, 45, 6845-6854.	4.6	242
13	Role of Granular Activated Carbon Surface Chemistry on the Adsorption of Organic Compounds. 1. Priority Pollutants. Environmental Science & Technology, 1999, 33, 3217-3224.	4.6	226
14	Toxic Impact of Bromide and Iodide on Drinking Water Disinfected with Chlorine or Chloramines. Environmental Science & Technology, 2014, 48, 12362-12369.	4.6	215
15	Adsorption of perfluoroalkyl substances (PFAS) in groundwater by granular activated carbons: Roles of hydrophobicity of PFAS and carbon characteristics. Water Research, 2020, 170, 115364.	5.3	215
16	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
17	Disinfection byproducts in swimming pool: Occurrences, implications and future needs. Water Research, 2014, 53, 68-109.	5.3	175
18	N-Nitrosamines and halogenated disinfection byproducts in U.S. Full Advanced Treatment trains for potable reuse. Water Research, 2016, 101, 176-186.	5.3	173

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19	Occurrence and Comparative Toxicity of Haloacetaldehyde Disinfection Byproducts in Drinking Water. Environmental Science & Technology, 2015, 49, 13749-13759.	4.6	167
20	Comparative Mammalian Cell Toxicity of N-DBPs and C-DBPs. ACS Symposium Series, 2008, , 36-50.	0.5	164
21	Disinfection by-product formation during seawater desalination: A review. Water Research, 2015, 81, 343-355.	5.3	164
22	Efficient PFAS Removal by Amine-Functionalized Sorbents: Critical Review of the Current Literature. Environmental Science and Technology Letters, 2019, 6, 688-695.	3.9	160
23	DNA damage and toxicogenomic analyses of hydrogen sulfide in human intestinal epithelial FHs 74 Int cells. Environmental and Molecular Mutagenesis, 2010, 51, 304-314.	0.9	156
24	Chemical and Biological Characterization of Wastewater Generated from Hydrothermal Liquefaction of Spirulina. Environmental Science & Technology, 2013, 47, 2131-2138.	4.6	149
25	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
26	Formation of disinfection by-products in indoor swimming pool water: The contribution from filling water natural organic matter and swimmer body fluids. Water Research, 2011, 45, 926-932.	5.3	138
27	Biological Mechanism for the Toxicity of Haloacetic Acid Drinking Water Disinfection Byproducts. Environmental Science & Technology, 2011, 45, 5791-5797.	4.6	122
28	To regulate or not to regulate? What to do with more toxic disinfection by-products?. Journal of Environmental Chemical Engineering, 2020, 8, 103939.	3.3	120
29	Cationic polymer for selective removal of GenX and short-chain PFAS from surface waters and wastewaters at ng/L levels. Water Research, 2019, 163, 114874.	5.3	115
30	COVID-19 wastewater epidemiology: a model to estimate infected populations. Lancet Planetary Health, The, 2021, 5, e874-e881.	5.1	113
31	Genotoxicity of Water Concentrates from Recreational Pools after Various Disinfection Methods. Environmental Science & Technology, 2010, 44, 3527-3532.	4.6	111
32	Comparison of Byproduct Formation in Waters Treated with Chlorine and Iodine: Relevance to Point-of-Use Treatment. Environmental Science & Technology, 2010, 44, 8446-8452.	4.6	111
33	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
34	Boiling of Simulated Tap Water: Effect on Polar Brominated Disinfection Byproducts, Halogen Speciation, and Cytotoxicity. Environmental Science & Technology, 2014, 48, 149-156.	4.6	108
35	The control of disinfection byproducts and their precursors in biologically active filtration processes. Water Research, 2017, 124, 630-653.	5.3	108
36	Sorption behavior of real microplastics (MPs): Insights for organic micropollutants adsorption on a large set of well-characterized MPs. Science of the Total Environment, 2020, 720, 137634.	3.9	107

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37	Modulation of the Cytotoxicity and Genotoxicity of the Drinking Water Disinfection Byproduct Iodoacetic Acid by Suppressors of Oxidative Stress. Environmental Science & Technology, 2006, 40, 1878-1883.	4.6	104
38	Trichloroethylene Adsorption by Fibrous and Granular Activated Carbons:Â Aqueous Phase, Gas Phase, and Water Vapor Adsorption Studiesâ€. Environmental Science & Technology, 2004, 38, 5834-5841.	4.6	103
39	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
40	Formation of regulated and unregulated disinfection byproducts during chlorination of algal organic matter extracted from freshwater and marine algae. Water Research, 2018, 142, 313-324.	5.3	101
41	Assessing trihalomethanes (THMs) and N-nitrosodimethylamine (NDMA) formation potentials in drinking water treatment plants using fluorescence spectroscopy and parallel factor analysis. Chemosphere, 2015, 121, 84-91.	4.2	100
42	Rapid Removal of Poly- and Perfluorinated Alkyl Substances by Poly(ethylenimine)-Functionalized Cellulose Microcrystals at Environmentally Relevant Conditions. Environmental Science and Technology Letters, 2018, 5, 764-769.	3.9	99
43	The impact of bromide/iodide concentration and ratio on iodinated trihalomethane formation and speciation. Water Research, 2012, 46, 11-20.	5.3	96
44	Oxidation byproducts from the degradation of dissolved organic matter by advanced oxidation processes â€“ A critical review. Water Research, 2019, 164, 114929.	5.3	95
45	Analysis of the cytotoxicity and mutagenicity of drinking water disinfection by-products inSalmonella typhimurium. Teratogenesis, Carcinogenesis, and Mutagenesis, 2002, 22, 113-128.	0.8	93
46	Elucidating Adsorptive Fractions of Natural Organic Matter on Carbon Nanotubes. Environmental Science & Technology, 2017, 51, 7101-7110.	4.6	92
47	The comet assay: Genotoxic damage or nuclear fragmentation?. Environmental and Molecular Mutagenesis, 2003, 42, 61-67.	0.9	90
48	Wildfire Altering Terrestrial Precursors of Disinfection Byproducts in Forest Detritus. Environmental Science & Technology, 2015, 49, 5921-5929.	4.6	90
49	Adsorption of halogenated aliphatic contaminants by graphene nanomaterials. Water Research, 2015, 79, 57-67.	5.3	87
50	Adsorption of organic contaminants by graphene nanosheets, carbon nanotubes and granular activated carbons under natural organic matter preloading conditions. Science of the Total Environment, 2016, 565, 811-817.	3.9	84
51	Granular Activated Carbon Treatment May Result in Higher Predicted Genotoxicity in the Presence of Bromide. Environmental Science & Technology, 2016, 50, 9583-9591.	4.6	83
52	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
53	Comparative Human Cell Toxicogenomic Analysis of Monohaloacetic Acid Drinking Water Disinfection Byproducts. Environmental Science & Technology, 2010, 44, 7206-7212.	4.6	80
54	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

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55	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
56	Water Disinfection Byproducts Increase Natural Transformation Rates of Environmental DNA in Acinetobacter baylyi ADP1. Environmental Science & Technology, 2019, 53, 6520-6528.	4.6	76
57	Comparative Mammalian Cell Cytotoxicity of Water Concentrates from Disinfected Recreational Pools. Environmental Science & Technology, 2011, 45, 4159-4165.	4.6	74
58	Isolation of dissolved organic matter (dom) from surface waters using reverse osmosis and its impact on the reactivity of dom to formation and speciation of disinfection by-products. Water Research, 2001, 35, 2225-2234.	5.3	73
59	Toxicity of Wastewater with Elevated Bromide and Iodide after Chlorination, Chloramination, or Ozonation Disinfection. Environmental Science & Technology, 2017, 51, 9297-9304.	4.6	73
60	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
61	Leaching of DOC, DN, and inorganic constituents from scrap tires. Chemosphere, 2015, 139, 617-623.	4.2	70
62	I-THM Formation and Speciation: Preformed Monochloramine versus Prechlorination Followed by Ammonia Addition. Environmental Science & Technology, 2011, 45, 10429-10437.	4.6	69
63	The effect of pre-oxidation on NDMA formation and the influence of pH. Water Research, 2014, 66, 169-179.	5.3	69
64	Differential Toxicity of Drinking Water Disinfected with Combinations of Ultraviolet Radiation and Chlorine. Environmental Science & Technology, 2012, 46, 7811-7817.	4.6	68
65	Chloramination of wastewater effluent: Toxicity and formation of disinfection byproducts. Journal of Environmental Sciences, 2017, 58, 135-145.	3.2	67
66	Relative Importance of Different Water Categories as Sources of N-Nitrosamine Precursors. Environmental Science & Technology, 2016, 50, 13239-13248.	4.6	65
67	In Vitro Cytotoxicity and Adaptive Stress Responses to Selected Haloacetic Acid and Halobenzoquinone Water Disinfection Byproducts. Chemical Research in Toxicology, 2015, 28, 2059-2068.	1.7	64
68	Comparative genotoxicity of nitrosamine drinking water disinfection byproducts in Salmonella and mammalian cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 741, 109-115.	0.9	62
69	Toxicity of Drinking Water Disinfection Byproducts: Cell Cycle Alterations Induced by the Monohaloacetonitriles. Environmental Science & Technology, 2014, 48, 11662-11669.	4.6	59
70	Removal of bromide from natural waters: Bromide-selective vs. conventional ion exchange resins. Chemosphere, 2020, 238, 124583.	4.2	58
71	Genotoxicity Assessment of Drinking Water Disinfection Byproducts by DNA Damage and Repair Pathway Profiling Analysis. Environmental Science & Technology, 2018, 52, 6565-6575.	4.6	57
72	Microplastics release precursors of chlorinated and brominated disinfection byproducts in water. Chemosphere, 2020, 251, 126452.	4.2	55

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73	Effect of bead milling on chemical and physical characteristics of activated carbons pulverized to superfine sizes. Water Research, 2016, 89, 161-170.	5.3	52
74	Control wildfire-induced Microcystis aeruginosa blooms by copper sulfate: Trade-offs between reducing algal organic matter and promoting disinfection byproduct formation. Water Research, 2019, 158, 227-236.	5.3	52
75	Chloroacetonitrile and N,2-Dichloroacetamide Formation from the Reaction of Chloroacetaldehyde and Monochloramine in Water. Environmental Science & Technology, 2013, 47, 12382-12390.	4.6	51
76	Linear solvation energy relationships (LSER) for adsorption of organic compounds by carbon nanotubes. Water Research, 2016, 98, 28-38.	5.3	51
77	Seasonal and temporal patterns of NDMA formation potentials in surface waters. Water Research, 2015, 69, 162-172.	5.3	49
78	The interplay between natural organic matter and bromide on bromine substitution. Science of the Total Environment, 2019, 646, 1172-1181.	3.9	49
79	Pyruvate remediation of cell stress and genotoxicity induced by haloacetic acid drinking water disinfection byâ€products. Environmental and Molecular Mutagenesis, 2013, 54, 629-637.	0.9	48
80	Removal of N -nitrosodimethylamine precursors with powdered activated carbon adsorption. Water Research, 2016, 88, 711-718.	5.3	48
81	HAA formation during chloraminationâ€"significance of monochloramine's direct reaction with DOM. Journal - American Water Works Association, 2007, 99, 57-69.	0.2	47
82	The role of chloramine species in NDMA formation. Water Research, 2018, 140, 100-109.	5.3	45
83	Toxicological Comparison of Water, Wastewaters, and Processed Wastewaters. Environmental Science & Technology, 2019, 53, 9139-9147.	4.6	44
84	Extreme flooding mobilized dissolved organic matter from coastal forested wetlands. Biogeochemistry, 2017, 136, 293-309.	1.7	43
85	Recovery of Critical Metals from Aqueous Sources. ACS Sustainable Chemistry and Engineering, 2021, 9, 11616-11634.	3.2	43
86	Mechanisms and modeling of halogenated aliphatic contaminant adsorption by carbon nanotubes. Journal of Hazardous Materials, 2015, 295, 138-144.	6.5	42
87	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
88	Trihalomethane hydrolysis in drinking water at elevated temperatures. Water Research, 2015, 78, 18-27.	5.3	40
89	Charting a New Path To Resolve the Adverse Health Effects of DBPs. ACS Symposium Series, 2015, , 3-23.	0.5	39
90	The effects of selected preoxidation strategies on I-THM formation and speciation. Water Research, 2012, 46, 5491-5498.	5.3	37

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91	Two years of post-wildfire impacts on dissolved organic matter, nitrogen, and precursors of disinfection by-products in California stream waters. Water Research, 2020, 181, 115891.	5.3	37
92	Removal of bromide from surface waters using silver impregnated activated carbon. Water Research, 2017, 113, 223-230.	5.3	36
93	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
94	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
95	Superfine powdered activated carbon (S-PAC) coatings on microfiltration membranes: Effects of milling time on contaminant removal and flux. Water Research, 2016, 100, 429-438.	5.3	35
96	Comparative Mammalian Cell Cytotoxicity of Wastewaters for Agricultural Reuse after Ozonation. Environmental Science & Technology, 2016, 50, 11752-11759.	4.6	35
97	The control of N-nitrosodimethylamine, Halonitromethane, and Trihalomethane precursors by Nanofiltration. Water Research, 2016, 105, 274-281.	5.3	35
98	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
99	Selective removal of bromide and iodide from natural waters using a novel AgCl-SPAC composite at environmentally relevant conditions. Water Research, 2019, 156, 168-178.	5.3	34
100	Predominant N-Haloacetamide and Haloacetonitrile Formation in Drinking Water via the Aldehyde Reaction Pathway. Environmental Science & Technology, 2019, 53, 850-859.	4.6	34
101	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
102	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
103	Adsorption kinetics and aggregation for three classes of carbonaceous adsorbents in the presence of natural organic matter. Chemosphere, 2019, 229, 515-524.	4.2	33
104	Toxicity of chlorinated algal-impacted waters: Formation of disinfection byproducts vs. reduction of cyanotoxins. Water Research, 2020, 184, 116145.	5.3	33
105	Microwave regeneration of granular activated carbon saturated with PFAS. Water Research, 2021, 198, 117121.	5.3	33
106	The impact of disinfection Ct values on cytotoxicity of agricultural wastewaters: Ozonation vs. chlorination. Water Research, 2018, 144, 482-490.	5.3	32
107	Human cell toxicogenomic analysis of bromoacetic acid: A regulated drinking water disinfection byâ€product. Environmental and Molecular Mutagenesis, 2010, 51, 205-214.	0.9	31
108	Formation of iodinated trihalomethanes and noniodinated disinfection byproducts during chloramination of algal organic matter extracted from Microcystis aeruginosa. Water Research, 2019, 162, 115-126.	5.3	30

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109	Recent Advances in Disinfection By-Product Formation, Occurrence, Control, Health Effects, and Regulations. ACS Symposium Series, 2008, , 2-19.	0.5	29
110	Acetonitrile and N-Chloroacetamide Formation from the Reaction of Acetaldehyde and Monochloramine. Environmental Science & Technology, 2015, 49, 9954-9963.	4.6	29
111	Removal of both N-nitrosodimethylamine and trihalomethanes precursors in a single treatment using ion exchange resins. Water Research, 2017, 124, 20-28.	5.3	29
112	Iodoacetic acid inhibits follicle growth and alters expression of genes that regulate apoptosis, the cell cycle, estrogen receptors, and ovarian steroidogenesis in mouse ovarian follicles. Reproductive Toxicology, 2020, 91, 101-108.	1.3	29
113	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
114	Impact of combining chlorine dioxide and chlorine on DBP formation in simulated indoor swimming pools. Journal of Environmental Sciences, 2017, 58, 155-162.	3.2	28
115	Development of a 3D QSPR model for adsorption of aromatic compounds by carbon nanotubes: comparison of multiple linear regression, artificial neural network and support vector machine. RSC Advances, 2013, 3, 23924.	1.7	27
116	Temporal variations of disinfection byproduct precursors in wildfire detritus. Water Research, 2016, 99, 66-73.	5.3	27
117	Comparative mammalian cell cytotoxicity of wastewater with elevated bromide and iodide after chlorination, chloramination, or ozonation. Journal of Environmental Sciences, 2017, 58, 296-301.	3.2	27
118	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
119	Adsorption kinetics of synthetic organic contaminants onto superfine powdered activated carbon. Chemosphere, 2020, 253, 126628.	4.2	27
120	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
121	Spectroscopic Indicators for Cytotoxicity of Chlorinated and Ozonated Effluents from Wastewater Stabilization Ponds and Activated Sludge. Environmental Science & Technology, 2018, 52, 3167-3174.	4.6	26
122	Exploring Molecular Sieve Capabilities of Activated Carbon Fibers to Reduce the Impact of NOM Preloading on Trichloroethylene Adsorption. Environmental Science & Technology, 2006, 40, 1321-1327.	4.6	24
123	Thiol Reactivity Analyses To Predict Mammalian Cell Cytotoxicity of Water Samples. Environmental Science & Technology, 2018, 52, 8822-8829.	4.6	24
124	Historical and Future Needs for Geospatial Iodide Occurrence in Surface and Groundwaters of the United States of America. Environmental Science and Technology Letters, 2019, 6, 379-388.	3.9	24
125	Activated carbon and organic matter characteristics impact the adsorption of DBP precursors when chlorine is added prior to GAC contactors. Water Research, 2020, 184, 116146.	5.3	24
126	Characterization of Dissolved Organic Matter from Wildfire-induced Microcystis aeruginosa Blooms controlled by Copper Sulfate as Disinfection Byproduct Precursors Using APPI(-) and ESI(-) FT-ICR MS. Water Research, 2021, 189, 116640.	5.3	23

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127	Chapter 3. Microplate-Based Comet Assay. Issues in Toxicology, 2009, , 79-97.	0.2	23
128	Dynamic Changes of Disinfection Byproduct Precursors following Exposures of Microcystis aeruginosa to Wildfire Ash Solutions. Environmental Science & Technology, 2017, 51, 8272-8282.	4.6	22
129	Chlorotyrosines versus Volatile Byproducts from Chlorine Disinfection during Washing of Spinach and Lettuce. Environmental Science & Technology, 2018, 52, 9361-9369.	4.6	22
130	Stability of Oxygen Nanobubbles under Freshwater Conditions. Water Research, 2021, 206, 117749.	5.3	22
131	Emerging investigator series: microplastic sources, fate, toxicity, detection, and interactions with micropollutants in aquatic ecosystems â€“ a review of reviews. Environmental Sciences: Processes and Impacts, 2022, 24, 172-195.	1.7	22
132	Release of Nitrosamines and Nitrosamine Precursors from Scrap Tires. Environmental Science and Technology Letters, 2019, 6, 251-256.	3.9	21
133	Global Transcriptional Analysis of Nontransformed Human Intestinal Epithelial Cells (FHs 74 Int) after Exposure to Selected Drinking Water Disinfection By-Products. Environmental Health Perspectives, 2019, 127, 117006.	2.8	21
134	Iodoacetic acid affects estrous cyclicity, ovarian gene expression, and hormone levels in mice. Biology of Reproduction, 2021, 105, 1030-1042.	1.2	21
135	Differentiation of Total Organic Brominated and Chlorinated Compounds in Total Organic Halide Measurement: A New Approach with an Ion-Chromatographic Technique. ACS Symposium Series, 2000, , 330-342.	0.5	20
136	Predictive models for adsorption of organic compounds by Graphene nanosheets: comparison with carbon nanotubes. Science of the Total Environment, 2019, 654, 28-34.	3.9	19
137	Effect of nano-ZnO on biogas generation from simulated landfills. Waste Management, 2017, 63, 18-26.	3.7	18
138	Disinfection By-Products in Drinking Water, Recycled Water and Wastewater: Formation, Detection, Toxicity and Health Effects: Preface. Journal of Environmental Sciences, 2017, 58, 1.	3.2	18
139	Inputs of disinfection by-products to the marine environment from various industrial activities: Comparison to natural production. Water Research, 2022, 217, 118383.	5.3	18
140	Formation of regulated and unregulated disinfection byproducts during chlorination and chloramination: Roles of dissolved organic matter type, bromide, and iodide. Journal of Environmental Sciences, 2022, 117, 151-160.	3.2	17
141	Concentration and isotopic composition of mercury in a blackwater river affected by extreme flooding events. Limnology and Oceanography, 2020, 65, 2158-2169.	1.6	16
142	N-Nitrosodimethylamine (NDMA) Precursors Leach from Nanofiltration Membranes. Environmental Science and Technology Letters, 2015, 2, 66-69.	3.9	15
143	Hurricane resulted in releasing more nitrogenous than carbonaceous disinfection byproduct precursors in coastal watersheds. Science of the Total Environment, 2020, 705, 135785.	3.9	15
144	Evaluation of Seasonal Performance of Conventional and Phosphateâ€Amended Biofilters. Journal - American Water Works Association, 2016, 108, E523.	0.2	14

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145	Bioavailability of Carbon Nanomaterial-Adsorbed Polycyclic Aromatic Hydrocarbons to Pimphales promelas: Influence of Adsorbate Molecular Size and Configuration. Environmental Science & Technology, 2017, 51, 9288-9296.	4.6	14
146	A comprehensive review of mathematical models developed for the estimation of organic disinfection byproducts. Chemosphere, 2020, 246, 125797.	4.2	14
147	Exploring Amino Acid Side Chain Decomposition Using Enzymatic Digestion and HPLC-MS: Combined Lysine Transformations in Chlorinated Waters. Analytical Chemistry, 2009, 81, 7650-7659.	3.2	13
148	Removal of Selected Câ€•and Nâ€DBP Precursors in Biologically Active Filters. Journal - American Water Works Association, 2017, 109, E73.	0.2	13
149	Low water treatability efficiency of wildfire-induced dissolved organic matter and disinfection by-product precursors. Water Research, 2020, 184, 116111.	5.3	13
150	Removal of the precursors of regulated DBPs and TOX from surface waters and wastewater effluents using mixed anion exchange resins. Chemosphere, 2021, 263, 128094.	4.2	13
151	Effect of bromide on NDMA formation during chloramination of model precursor compounds and natural waters. Water Research, 2020, 170, 115323.	5.3	12
152	Effect of superfine pulverization of powdered activated carbon on adsorption of carbamazepine in natural source waters. Science of the Total Environment, 2021, 793, 148473.	3.9	12
153	Estimation of haloacetonitriles formation in water: Uniform formation conditions versus formation potential tests. Science of the Total Environment, 2020, 744, 140987.	3.9	11
154	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
155	Deactivation of wastewater-derived N-nitrosodimethylamine precursors with chlorine dioxide oxidation and the effect of pH. Science of the Total Environment, 2018, 635, 1383-1391.	3.9	10
156	Relationships between regulated DBPs and emerging DBPs of health concern in U.S. drinking water. Journal of Environmental Sciences, 2022, 117, 161-172.	3.2	10
157	Feel the Burn: Disinfection Byproduct Formation and Cytotoxicity during Chlorine Burn Events. Environmental Science & Technology, 2022, 56, 8245-8254.	4.6	10
158	MIEXÂ® treatment of an effluentâ€impacted stream. Journal - American Water Works Association, 2013, 105, E195.	0.2	9
159	Influence of Anaerobic Mesophilic and Thermophilic Digestion on Cytotoxicity of Swine Wastewaters. Environmental Science & Technology, 2020, 54, 3032-3038.	4.6	9
160	Chemical characterization of dissolved organic matter as disinfection byproduct precursors by UV/fluorescence and ESI FT-ICR MS after smoldering combustion of leaf needles and woody trunks of pine (Pinus jeffreyi). Water Research, 2022, 209, 117962.	5.3	9
161	The elimination of cell-associated and non-cell-associated antibiotic resistance genes during membrane filtration processes: A review. Science of the Total Environment, 2022, 833, 155250.	3.9	9
162	Investigation of nuclear enzyme topoisomerase as a putative molecular target of monohaloacetonitrile disinfection by-products. Journal of Environmental Sciences, 2017, 58, 231-238.	3.2	8

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163	Total organic halogen (TOX) species formation at different locations in drinking water distribution systems. Environmental Science: Water Research and Technology, 2020, 6, 2542-2552.	1.2	8
164	Predictive modeling of haloacetonitriles under uniform formation conditions. Water Research, 2021, 201, 117322.	5.3	8
165	Calculating the greenhouse gas emissions of water utilities. Journal - American Water Works Association, 2013, 105, E363.	0.2	7
166	Optimization of Coagulation Pretreatment Conditions in a Ceramic Membrane System. Journal - American Water Works Association, 2015, 107, E693.	0.2	7
167	Removal of wastewater and polymer derived N-nitrosodimethylamine precursors with integrated use of chlorine and chlorine dioxide. Chemosphere, 2019, 216, 224-233.	4.2	7
168	Effect of prescribed fires on the export of dissolved organic matter, precursors of disinfection by-products, and water treatability. Water Research, 2020, 187, 116385.	5.3	7
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