

Formation of carbonaceous and nitrogenous disinfection byproducts during chlorination of *Microcystis aeruginosa*

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Characterization of algal organic matter and formation of DBPs from chlor(am)ination. <i>Water Research</i> , 2010, 44, 5897-5906.	5.3	327
2	Disinfection and Antimicrobial Processes. <i>Water Environment Research</i> , 2011, 83, 1333-1350.	1.3	2
3	Formation of disinfection byproducts from chlor(am)ination of algal organic matter. <i>Journal of Hazardous Materials</i> , 2011, 197, 378-388.	6.5	100
4	Chlorination of chlortoluron: Kinetics, pathways and chloroform formation. <i>Chemosphere</i> , 2011, 83, 909-916.	4.2	37
5	Effects of iron and manganese on the formation of HAAs upon chlorinating <i>Chlorella vulgaris</i> . <i>Journal of Hazardous Materials</i> , 2011, 189, 540-545.	6.5	7
6	Effects of Potassium Permanganate Preoxidation Followed with Coagulation on the Fluorescence Spectrum of Algae. <i>Applied Mechanics and Materials</i> , 0, 71-78, 2920-2924.	0.2	2
7	Kinetic characteristics of oxidation of microcystin-LR at low concentration by chlorine and permanganate. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2012, 61, 82-93.	0.6	5
8	Evaluation of DBPs Formation Potential during Chlorination of Dissolved Organic Matter Fractions Isolated from Eutrophic Water. <i>Applied Mechanics and Materials</i> , 2012, 157-158, 1680-1684.	0.2	0
9	Effects of metal ions on THMs and HAAs formation during tannic acid chlorination. <i>Chemical Engineering Journal</i> , 2012, 211-212, 179-185.	6.6	13
10	Characterization of intracellular & extracellular algae organic matters (AOM) of <i>Microcystis aeruginosa</i> and formation of AOM-associated disinfection byproducts and odor & taste compounds. <i>Water Research</i> , 2012, 46, 1233-1240.	5.3	387
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12	Precursors of nitrogenous disinfection by-products in drinking water – A critical review and analysis. <i>Journal of Hazardous Materials</i> , 2012, 235-236, 1-16.	6.5	223
13	Formation of halogenated C ₇ N-DBPs from chlor(am)ination and UV irradiation of tyrosine in drinking water. <i>Environmental Pollution</i> , 2012, 161, 8-14.	3.7	143
14	Degradation of algal organic matter using microbial fuel cells and its association with trihalomethane precursor removal. <i>Bioresource Technology</i> , 2012, 116, 80-85.	4.8	48
15	Aqueous chlorination of algal odorants: Reaction kinetics and formation of disinfection by-products. <i>Separation and Purification Technology</i> , 2012, 92, 93-99.	3.9	18
16	Fractionated algal organic materials as precursors of disinfection by-products and mutagens upon chlorination. <i>Journal of Hazardous Materials</i> , 2012, 209-210, 278-284.	6.5	25
17	Chlorination of <i>Microcystis aeruginosa</i> suspension: Cell lysis, toxin release and degradation. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 279-285.	6.5	95
18	Factors affecting formation of chemical by-products during ballast water treatment based on an advanced oxidation process. <i>Chemical Engineering Journal</i> , 2013, 231, 427-433.	6.6	36

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20	Occurrence, profiling and prioritization of halogenated disinfection by-products in drinking water of China. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1424.	1.7	51
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24	Factors affecting THMs, HAAs and HNMs formation of Jin Lan Reservoir water exposed to chlorine and monochloramine. <i>Science of the Total Environment</i> , 2013, 444, 196-204.	3.9	131
25	Oxidation of <i>Microcystis aeruginosa</i> and <i>Anabaena flos-aquae</i> by ozone: Impacts on cell integrity and chlorination by-product formation. <i>Water Research</i> , 2013, 47, 2983-2994.	5.3	145
26	Kinetics and mechanisms of pH-dependent degradation of halonitromethanes by UV photolysis. <i>Water Research</i> , 2013, 47, 1257-1266.	5.3	73
27	Association of dissolved air flotation (DAF) with microfiltration for cyanobacterial removal in water supply. <i>Desalination and Water Treatment</i> , 2013, 51, 1664-1671.	1.0	19
28	Formation of haloacetonitriles and haloacetamides during chlorination of pure culture bacteria. <i>Chemosphere</i> , 2013, 92, 375-381.	4.2	35
29	Intracellular Organic Matter from Cyanobacteria as a Precursor for Carbonaceous and Nitrogenous Disinfection Byproducts. <i>Environmental Science & Technology</i> , 2013, 47, 6332-6340.	4.6	111
30	Relative Contribution of Biomolecules in Bacterial Extracellular Polymeric Substances to Disinfection Byproduct Formation. <i>Environmental Science & Technology</i> , 2013, 47, 9764-9773.	4.6	63
31	Formation of disinfection by-products from the monochloramination of chironomid larvae metabolite solution. <i>Desalination and Water Treatment</i> , 2013, 51, 5848-5854.	1.0	5
32	Comparison of Permanganate Preoxidation and Preozonation on Algae Containing Water: Cell Integrity, Characteristics, and Chlorinated Disinfection Byproduct Formation. <i>Environmental Science & Technology</i> , 2013, 47, 14051-14061.	4.6	224
33	Influence of Biofilm on DBP Formation in Simulated Water Distribution System. <i>Proceedings of the Water Environment Federation</i> , 2013, 2013, 537-542.	0.0	0
34	Factors affecting formation of disinfection by-products during chlorination of Cyclops. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2013, 62, 169-175.	0.6	8
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36	Research findings: What utility managers need to know. <i>Journal - American Water Works Association</i> , 2013, 105, 44-50.	0.2	0

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38	A cross-omics toxicological evaluation of drinking water treated with different processes. <i>Journal of Hazardous Materials</i> , 2014, 271, 57-64.	6.5	3
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45	Ballast water treatment using UV/TiO ₂ advanced oxidation processes: An approach to invasive species prevention. <i>Chemical Engineering Journal</i> , 2014, 243, 7-13.	6.6	39
46	Influencing factors of disinfection byproducts formation during chloramination of Cyclops metabolite solutions. <i>Journal of Environmental Sciences</i> , 2014, 26, 575-580.	3.2	5
47	Chlorination and chloramination of tetracycline antibiotics: Disinfection by-products formation and influential factors. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 30-35.	2.9	31
48	Removal of <i>Microcystis aeruginosa</i> by potassium ferrate (VI): Impacts on cells integrity, intracellular organic matter release and disinfection by-products formation. <i>Chemical Engineering Journal</i> , 2014, 251, 304-309.	6.6	109
49	Characterization of algal organic matters of <i>Microcystis aeruginosa</i> : Biodegradability, DBP formation and membrane fouling potential. <i>Water Research</i> , 2014, 52, 199-207.	5.3	138
50	Disinfection by-product formation from the monochloramination of chironomid larvae. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 142-149.	1.0	3
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52	Analysis, Occurrence, and Toxicity of Haloacetaldehydes in Drinking Waters: Iodoacetaldehyde as an Emerging Disinfection By-Product. <i>ACS Symposium Series</i> , 2015, , 25-43.	0.5	6
53	Chlorination of bensulfuron-methyl: Kinetics, reaction factors and disinfection by-product formation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 46-51.	2.7	13
54	Controlled Burning of Forest Detritus Altering Spectroscopic Characteristics and Chlorine Reactivity of Dissolved Organic Matter: Effects of Temperature and Oxygen Availability. <i>Environmental Science & Technology</i> , 2015, 49, 14019-14027.	4.6	58

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56	Wildfire Altering Terrestrial Precursors of Disinfection Byproducts in Forest Detritus. <i>Environmental Science & Technology</i> , 2015, 49, 5921-5929.	4.6	90
57	Impact of pre-ozonation on disinfection by-product formation and speciation from chlor(am)ination of algal organic matter of <i>Microcystis aeruginosa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 256-262.	2.9	53
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60	Induction of bacterial antibiotic resistance by mutagenic halogenated nitrogenous disinfection byproducts. <i>Environmental Pollution</i> , 2015, 205, 291-298.	3.7	35
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65	Formation of disinfection by-products during chlorine dioxide pre-oxidation of chironomid larvae metabolites followed by chlorination. <i>Desalination and Water Treatment</i> , 2016, 57, 28698-28704.	1.0	6
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70	A mini review of preoxidation to improve coagulation. <i>Chemosphere</i> , 2016, 155, 550-563.	4.2	113
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73	Effect of Phosphate Loading on the Generation of Extracellular Organic Matters of <i>Microcystis Aeruginosa</i> and Its Derived Disinfection By-Products. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	10
74	The role of phytoplankton as pre-cursors for disinfection by-product formation upon chlorination. <i>Water Research</i> , 2016, 102, 229-240.	5.3	70
75	Variation in assimilable organic carbon formation during chlorination of <i>Microcystis aeruginosa</i> extracellular organic matter solutions. <i>Journal of Environmental Sciences</i> , 2016, 45, 1-6.	3.2	12
76	Using regression models to evaluate the formation of trihalomethanes and haloacetonitriles via chlorination of source water with low SUVA values in the Yangtze River Delta region, China. <i>Environmental Geochemistry and Health</i> , 2016, 38, 1303-1312.	1.8	30
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78	Effect of nitrogen/phosphorus concentration on algal organic matter generation of the diatom <i>Nitzschia palea</i> : Total indicators and spectroscopic characterization. <i>Journal of Environmental Sciences</i> , 2016, 47, 130-142.	3.2	10
79	The role of aromatic precursors in the formation of haloacetamides by chloramination of dissolved organic matter. <i>Water Research</i> , 2016, 88, 371-379.	5.3	49
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83	Disinfection by-product formation during chlor(am)ination of algal organic matters (AOM) extracted from <i>Microcystis aeruginosa</i> : effect of growth phases, AOM and bromide concentration. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8469-8478.	2.7	28
84	Degradation of nitro-based pharmaceuticals by UV photolysis: Kinetics and simultaneous reduction on halonitromethanes formation potential. <i>Water Research</i> , 2017, 119, 83-90.	5.3	32
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87	Models for estimation of the presence of non-regulated disinfection by-products in small drinking water systems. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 577.	1.3	8
88	Formation of disinfection by-products during the monochloramination of co-existing <i>Microcystis aeruginosa</i> and <i>Cyclops</i> metabolites. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2017, 66, 229-238.	0.6	1
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96	Removal of organics by combined process of coagulation–chlorination–ultrafiltration: optimization of overall operation parameters. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2703-2714.	1.2	1
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103	Formation of halogenated by-products during chemical cleaning of humic acid-fouled UF membrane by sodium hypochlorite solution. <i>Chemical Engineering Journal</i> , 2018, 332, 76-84.	6.6	34
104	Field assessment of bacterial communities and total trihalomethanes: Implications for drinking water networks. <i>Science of the Total Environment</i> , 2018, 616-617, 345-354.	3.9	25
105	Effects of Nano-TiO ₂ Mediated Photocatalysis on <i>Microcystis aeruginosa</i> Cells. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2073.	1.3	4
106	Comparing Ozonation and Biofiltration Treatment of Source Water with High Cyanobacteria-Derived Organic Matter: The Case of a Water Treatment Plant Followed by a Small-Scale Water Distribution System. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2633.	1.2	10
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111	Preparation of an Au-TiO ₂ photocatalyst and its performance in removing phycocyanin. <i>Science of the Total Environment</i> , 2019, 692, 572-581.	3.9	9
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113	Advantages of Prepressure over Preoxidation for <i>Microcystis aeruginosa</i> Removal from Drinking Water Sources. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	0.7	5
114	Ferrate(VI) pre-treatment and subsequent chlorination of blue-green algae: Quantification of disinfection byproducts. <i>Environment International</i> , 2019, 133, 105195.	4.8	51
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119	The occurrence and transformation behaviors of disinfection byproducts in drinking water distribution systems in rural areas of eastern China. <i>Chemosphere</i> , 2019, 228, 101-109.	4.2	49
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122	Oxidative degradation of ranitidine by UV and ultrasound: identification of transformation products using LC-Q-ToF-MS. <i>Environmental Chemistry</i> , 2019, 16, 41.	0.7	27
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125	Impact of UV irradiation on <i>Chlorella</i> sp. damage and disinfection byproducts formation during subsequent chlorination of algal organic matter. <i>Science of the Total Environment</i> , 2019, 671, 519-527.	3.9	26
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133	Yield of trihalomethane, haloacetic acid and chloral upon chlorinating algae after coagulation-filtration: Is pre-oxidation necessarily negative for disinfection by-product control?. <i>Journal of Hazardous Materials</i> , 2019, 364, 762-769.	6.5	19
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135	Degradation of estriol by chlorination in a pilot-scale water distribution system: Kinetics, pathway and DFT studies. <i>Chemical Engineering Journal</i> , 2020, 383, 123187.	6.6	16
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