

To add or not to add: The use of quenching agents for the by-products in water samples

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Kinetic models and pathways of ronidazole degradation by chlorination, UV irradiation and UV/chlorine processes. <i>Water Research</i> , 2014, 65, 271-281.	5.3	128
2	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
3	Fate of toxic cyanobacterial genera from natural bloom events during ozonation. <i>Water Research</i> , 2015, 73, 204-215.	5.3	45
4	Identification and quantification of ineffective chlorine by NaAsO ₂ selective quenching method during drinking water disinfection. <i>Chemical Engineering Journal</i> , 2015, 277, 295-302.	6.6	16
5	Improved (and Singular) Disinfectant Protocol for Indirectly Assessing Organic Precursor Concentrations of Trihalomethanes and Dihaloacetonitriles. <i>Environmental Science & Technology</i> , 2015, 49, 9858-9865.	4.6	7
6	Secondary formation of disinfection by-products by UV treatment of swimming pool water. <i>Science of the Total Environment</i> , 2015, 520, 96-105.	3.9	51
7	Disinfection Processes. <i>Water Environment Research</i> , 2015, 87, 1127-1146.	1.3	1
8	Disparity in disinfection byproducts concentration between hot and cold tap water. <i>Water Research</i> , 2015, 70, 196-204.	5.3	31
9	Effect of Metal Ions on the Formation of Trichloronitromethane during Chlorination of Catechol and Nitrite. <i>Journal of Environmental Quality</i> , 2016, 45, 1933-1940.	1.0	4
10	Sample Enrichment for Bioanalytical Assessment of Disinfected Drinking Water: Concentrating the Polar, the Volatiles, and the Unknowns. <i>Environmental Science & Technology</i> , 2016, 50, 6495-6505.	4.6	63
11	Current trends in the analysis and identification of emerging disinfection byproducts. <i>Trends in Environmental Analytical Chemistry</i> , 2016, 10, 24-34.	5.3	127
12	Selection and applicability of quenching agents for the analysis of polar iodinated disinfection byproducts. <i>Chemosphere</i> , 2016, 163, 359-365.	4.2	34
13	Formation and determination of organohalogen by-products in water – Part II. Sample preparation techniques for analytical approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 281-294.	5.8	16
14	Formation of organic chloramines during chlor(am)ination and UV/chlor(am)ination of algae organic matter in drinking water. <i>Water Research</i> , 2016, 103, 189-196.	5.3	64
15	Formation of nitrogenous disinfection by-products in 10 chlorinated and chloraminated drinking water supply systems. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 518.	1.3	38
16	Characterization of haloacetaldehyde and trihalomethane formation potentials during drinking water treatment. <i>Chemosphere</i> , 2016, 159, 378-384.	4.2	35
17	Effect of ozonation of swimming pool water on formation of volatile disinfection by-products – A laboratory study. <i>Chemical Engineering Journal</i> , 2016, 289, 277-285.	6.6	21
18	Cold on-column injection coupled with gas chromatography/mass spectrometry for determining halonitromethanes in drinking water. <i>Analytical Methods</i> , 2016, 8, 362-370.	1.3	15

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19	Identification of disinfection by-products in freshwater and seawater swimming pools and evaluation of genotoxicity. <i>Environment International</i> , 2016, 88, 94-102.	4.8	80
20	Impact of bromide on halogen incorporation into organic moieties in chlorinated drinking water treatment and distribution systems. <i>Science of the Total Environment</i> , 2016, 541, 1572-1580.	3.9	35
21	Degradation of chlortoluron during UV irradiation and UV/chlorine processes and formation of disinfection by-products in sequential chlorination. <i>Chemical Engineering Journal</i> , 2016, 283, 412-419.	6.6	73
22	Monitoring trihalomethanes and nitrogenous disinfection by-products in blending desalinated waters using solid-phase microextraction and gas chromatography. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 911-922.	1.2	11
23	Effect of UV Irradiation and UV/Chlorine Processes on Trichloronitromethane Formation During Chlorination of Ronidazole. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600163.	0.7	8
24	Recent advances in the analysis of nitrogenous disinfection by-products. <i>Trends in Environmental Analytical Chemistry</i> , 2017, 14, 19-27.	5.3	36
25	Effect of medium-pressure UV-lamp treatment on disinfection by-products in chlorinated seawater swimming pool waters. <i>Science of the Total Environment</i> , 2017, 599-600, 910-917.	3.9	21
26	Organic chloramines in chlorine-based disinfected water systems: A critical review. <i>Journal of Environmental Sciences</i> , 2017, 58, 2-18.	3.2	103
27	Combined UV treatment and ozonation for the removal of by-product precursors in swimming pool water. <i>Water Research</i> , 2017, 110, 141-149.	5.3	38
28	Degradation of acrylamide by the UV/chlorine advanced oxidation process. <i>Chemosphere</i> , 2017, 187, 268-276.	4.2	38
29	Membrane electro-oxidizer: A new hybrid membrane system with electrochemical oxidation for enhanced organics and fouling control. <i>Water Research</i> , 2017, 126, 40-49.	5.3	58
30	Predicting the Formation of Haloacetonitriles and Haloacetamides by Simulated Distribution System Tests. <i>Procedia Engineering</i> , 2017, 186, 186-192.	1.2	4
31	DBPs formation and genotoxicity during chlorination of pyrimidines and purines bases. <i>Chemical Engineering Journal</i> , 2017, 307, 884-890.	6.6	41
32	Catalytic metal oxide nanopowder composite Ti mesh for electrochemical oxidation of 1,4-dioxane and dyes. <i>Chemical Engineering Journal</i> , 2018, 345, 233-241.	6.6	23
33	Relationships between DBP concentrations and differential UV absorbance in full-scale conditions. <i>Water Research</i> , 2018, 131, 110-121.	5.3	28
34	Degradation kinetics of organic chloramines and formation of disinfection by-products during chlorination of creatinine. <i>Chemosphere</i> , 2018, 195, 673-682.	4.2	18
35	Degradation of acrylamide during chlorination as a precursor of haloacetonitriles and haloacetamides. <i>Science of the Total Environment</i> , 2018, 615, 38-46.	3.9	9
36	Improved DBP elimination from swimming pool water by continuous combined UV and ozone treatment. <i>Water Research</i> , 2018, 147, 214-222.	5.3	9

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37	Development and validation of a multiclass method for the determination of organohalogen disinfectant by-products in water samples using solid phase extraction and gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1579, 89-98.	1.8	12
38	Formation of odorous and hazardous by-products from the chlorination of amino acids. <i>Water Research</i> , 2018, 146, 10-18.	5.3	29
39	1,3,5-Trimethoxybenzene (TMB) as a new quencher for preserving redox-labile disinfection byproducts and for quantifying free chlorine and free bromine. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 926-941.	1.2	19
40	Rapid degradation of brominated and iodinated haloacetamides with sulfite in drinking water: Degradation kinetics and mechanisms. <i>Water Research</i> , 2018, 143, 325-333.	5.3	27
41	Formation of iodinated trihalomethanes during breakpoint chlorination of iodide-containing water. <i>Journal of Hazardous Materials</i> , 2018, 353, 505-513.	6.5	30
42	Facile fabrication of MIL-96 as coating fiber for solid-phase microextraction of trihalomethanes and halonitromethanes in water samples. <i>Chemical Engineering Journal</i> , 2018, 350, 240-247.	6.6	61
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44	Disinfection byproducts potentially responsible for the association between chlorinated drinking water and bladder cancer: A review. <i>Water Research</i> , 2019, 162, 492-504.	5.3	144
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46	Effects of dechlorination conditions on the developmental toxicity of a chlorinated saline primary sewage effluent: Excessive dechlorination is better than not enough. <i>Science of the Total Environment</i> , 2019, 692, 117-126.	3.9	27
47	The fates of aromatic protein and soluble microbial product-like organics, as the precursors of dichloroacetonitrile and dichloroacetamide, in drinking water advanced treatment processes. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1478-1488.	1.2	1
48	Fast analysis of multiple haloacetic acids and nitrosamines in recycled and environmental waters using liquid chromatography-mass spectrometry with positive/negative switching and multiple reaction monitoring. <i>Analytical Methods</i> , 2019, 11, 3793-3799.	1.3	6
49	Effects of carbon materials on the formation of disinfection byproducts during chlorination: Pore structure and functional groups. <i>Water Research</i> , 2019, 162, 1-10.	5.3	20
50	A one-year long survey of temporal disinfection byproducts variations in a consumer's tap and their removals by a point-of-use facility. <i>Water Research</i> , 2019, 159, 203-213.	5.3	44
51	Oxidative debromination of 2,2-bis(bromomethyl)-1,3-propanediol by UV/persulfate process and corresponding formation of brominated by-products. <i>Chemosphere</i> , 2019, 228, 735-743.	4.2	19
52	Does Granular Activated Carbon with Chlorination Produce Safer Drinking Water? From Disinfection Byproducts and Total Organic Halogen to Calculated Toxicity. <i>Environmental Science & Technology</i> , 2019, 53, 5987-5999.	4.6	125
53	Comparison of ferrate and ozone pre-oxidation on disinfection byproduct formation from chlorination and chloramination. <i>Water Research</i> , 2019, 156, 110-124.	5.3	58
54	Analytical methods for conventional and emerging disinfection by-products in fresh-cut produce. <i>Food Chemistry</i> , 2019, 291, 30-37.	4.2	13

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56	Effect of UV wavelength on humic acid degradation and disinfection by-product formation during the UV/chlorine process. <i>Water Research</i> , 2019, 154, 199-209.	5.3	115
57	Formation mechanisms of disinfection byproducts: Recent developments. <i>Current Opinion in Environmental Science and Health</i> , 2019, 7, 61-68.	2.1	16
58	Simultaneous analysis of haloacetonitriles, haloacetamides and halonitromethanes in chlorinated waters by gas chromatography-mass spectrometry. <i>Chemosphere</i> , 2019, 220, 314-323.	4.2	26
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60	Effects of ion species on the disinfection byproduct formation in artificial and real water. <i>Chemosphere</i> , 2019, 217, 706-714.	4.2	19
61	Transformation of sulfamethazine during the chlorination disinfection process: Transformation, kinetics, and toxicology assessment. <i>Journal of Environmental Sciences</i> , 2019, 76, 48-56.	3.2	31
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66	Formation of DBPs during chlorination of antibiotics and control with permanganate/bisulfite pretreatment. <i>Chemical Engineering Journal</i> , 2020, 392, 123701.	6.6	22
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69	Toxicity of chlorinated algal-impacted waters: Formation of disinfection byproducts vs. reduction of cyanotoxins. <i>Water Research</i> , 2020, 184, 116145.	5.3	33
70	Treating water containing elevated bromide and iodide levels with granular activated carbon and free chlorine: impacts on disinfection byproduct formation and calculated toxicity. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3460-3475.	1.2	7
71	High-throughput and reliable determination of 13 haloacetic acids and dalapon in water and evaluation of control strategies. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2499-2509.	1.2	7
72	Exotic Electrophiles in Chlorinated and Chloraminated Water: When Conventional Kinetic Models and Reaction Pathways Fall Short. <i>Environmental Science and Technology Letters</i> , 2020, 7, 360-370.	3.9	28

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74	Simultaneous Determination of Chlorinated and Brominated Acetic Acids in Various Environmental Water Matrixes by High-Performance Liquid Chromatography-Inductively Coupled Plasma Tandem Mass Spectrometry without Sample Preparation. <i>Analytical Chemistry</i> , 2020, 92, 9156-9163.	3.2	14
75	Formation of algal-derived nitrogenous disinfection by-products during chlorination and chloramination. <i>Water Research</i> , 2020, 183, 116047.	5.3	34
76	Synergistic effects of quenching agents and pH on the stability of regulated and unregulated disinfection by-products for drinking water quality monitoring. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 143.	1.3	10
77	Trace Analysis of 61 Emerging Br-, Cl-, and I-DBPs: New Methods to Achieve Part-Per-Trillion Quantification in Drinking Water. <i>Analytical Chemistry</i> , 2020, 92, 3058-3068.	3.2	53
78	Low chlorine impurity might be beneficial in chlorine dioxide disinfection. <i>Water Research</i> , 2021, 188, 116520.	5.3	38
79	Unraveling the chemodiversity of halogenated disinfection by-products formed during drinking water treatment using target and non-target screening tools. <i>Journal of Hazardous Materials</i> , 2021, 401, 123681.	6.5	40
80	Formation of disinfection by-products in a UV-activated mixed chlorine/chloramine system. <i>Journal of Hazardous Materials</i> , 2021, 407, 124373.	6.5	14
81	Nanohole-boosted electron transport between nanomaterials and bacteria as a concept for nano-bio interactions. <i>Nature Communications</i> , 2021, 12, 493.	5.8	85
82	Emerging investigator series: emerging disinfection by-product quantification method for wastewater reuse: trace level assessment using tandem mass spectrometry. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 285-297.	1.2	3
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92	Analysis of Halogenated Disinfection Byproducts in Water. , 2018, , 373-373.		0
93	Formation of halonitromethanes from methylamine in the presence of bromide during UV/Cl ₂ disinfection. <i>Journal of Environmental Sciences</i> , 2022, 117, 28-36.	3.2	7
94	Acute toxicity of disinfection by-products from chlorination of algal organic matter to the cladocerans <i>Ceriodaphnia silvestrii</i> and <i>Daphnia similis</i> : influence of bromide and quenching agent. <i>Environmental Science and Pollution Research</i> , 2022, 29, 35800-35810.	2.7	4
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97	Effect of UV/Chlorine Oxidation on Disinfection Byproduct Formation from Diverse Model Compounds. <i>ACS ES&T Water</i> , 2022, 2, 573-582.	2.3	9
98	Effects of microplastics on DBPs formation under the chlorination of natural organic matters. <i>Chemosphere</i> , 2022, 296, 134067.	4.2	13
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102	Halohydroxybenzonnitriles as a new group of halogenated aromatic DBPs in drinking water: Are they of comparable risk to halonitrophenols?. <i>Water Research</i> , 2022, 219, 118547.	5.3	23
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108	Ammonia Production Plantsâ€™A Review. <i>Fuels</i> , 2022, 3, 408-435.	1.3	16
109	Occurrence and Cytotoxicity of Aliphatic and Aromatic Halogenated Disinfection Byproducts in Indoor Swimming Pool Water and Their Incoming Tap Water. <i>Environmental Science & Technology</i> , 2022, 56, 17763-17775.	4.6	12
110	Decomposition of Total Organic Halogen Formed during Chlorination: The Iceberg of Halogenated Disinfection Byproducts Was Previously Underestimated. <i>Environmental Science & Technology</i> , 2023, 57, 1433-1442.	4.6	10

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112	Impact of prevalent chlorine quenchers on phenolic disinfection byproducts in drinking water and potential reaction mechanisms. Science of the Total Environment, 2023, 871, 161971.	3.9	7
113	Chlorinated nucleotides and analogs as potential disinfection byproducts in drinking water. Journal of Hazardous Materials, 2023, 452, 131242.	6.5	7
127	Availability and Minimization of Nitrogenous Disinfectant By-Products in Drinking Water. , 2024, , 239-262.		0