

Prioritization of unregulated disinfection by-products in systems for human health risk mitigation: A critical review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effects of 2,2-dichloroacetamide (DCAcAm), an emerging disinfection by-product in drinking water, on the intestinal microbiota of adult zebrafish. <i>Journal of Water and Health</i> , 2019, 17, 683-690.	1.1	14
2	Fabrication of graphene oxide incorporated polyethersulfone hybrid ultrafiltration membranes for humic acid removal. <i>Separation and Purification Technology</i> , 2019, 223, 17-23.	3.9	88
3	Comparison of the performance of pulsed and continuous UVC-LED irradiation in the inactivation of bacteria. <i>Water Research</i> , 2019, 157, 218-227.	5.3	64
7	Synchronous Reduction-Oxidation Process for Efficient Removal of Trichloroacetic Acid: H [•] Initiates Dechlorination and •OH Is Responsible for Removal Efficiency. <i>Environmental Science & Technology</i> , 2019, 53, 14586-14594.	4.6	45
8	MoS ₂ /RGO composites for photocatalytic degradation of ranitidine and elimination of NDMA formation potential under visible light. <i>Chemical Engineering Journal</i> , 2020, 383, 123084.	6.6	64
9	Formation potential of emerging disinfection by-products during ozonation and chlorination of sewage effluents. <i>Science of the Total Environment</i> , 2020, 700, 134449.	3.9	31
10	In situ fluorescence measurements of dissolved organic matter: A review. <i>Science of the Total Environment</i> , 2020, 699, 134361.	3.9	93
11	The impact of UV treatment on microbial control and DBPs formation in full-scale drinking water systems in northern China. <i>Journal of Environmental Sciences</i> , 2020, 87, 398-410.	3.2	18
12	Radial basis function artificial neural network (RBF ANN) as well as the hybrid method of RBF ANN and grey relational analysis able to well predict trihalomethanes levels in tap water. <i>Journal of Hydrology</i> , 2020, 591, 125574.	2.3	74
13	Investigating unregulated disinfection byproduct reduction efficiencies in drinking waters using zirconium oxychloride, a novel coagulant. <i>Journal of Water Process Engineering</i> , 2020, 37, 101496.	2.6	2
14	Transferrable Principles to Revolutionize Drinking Water Governance in First Nation Communities in Canada. <i>Water (Switzerland)</i> , 2020, 12, 3091.	1.2	3
15	Effects of UV-LED Irradiation on <i>E. coli</i> in Water Disinfection. , 0, , .		0
16	The effective design of sampling campaigns for emerging chemical and microbial contaminants in drinking water and its resources based on literature mining. <i>Science of the Total Environment</i> , 2020, 742, 140546.	3.9	13
17	Uncharted waters: the unintended impacts of residual chlorine on water quality and biofilms. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 34.	2.9	23
18	Effects of amines on the formation and photodegradation of DCNM under UV/chlorine disinfection. <i>Scientific Reports</i> , 2020, 10, 12602.	1.6	10
19	A process-based LCA for selection of low-impact DBPs control strategy for indoor swimming pool operation. <i>Journal of Cleaner Production</i> , 2020, 270, 122372.	4.6	11
20	Insight into PPCP degradation by UV/NH ₂ Cl and comparison with UV/NaClO: Kinetics, reaction mechanism, and DBP formation. <i>Water Research</i> , 2020, 182, 115967.	5.3	71
21	Characteristics of organic pollutants in source water and purification evaluations in drinking water treatment plants. <i>Science of the Total Environment</i> , 2020, 733, 139277.	3.9	27

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23	Characteristics of low and high SUVA precursors: Relationships among molecular weight, fluorescence, and chemical composition with DBP formation. <i>Science of the Total Environment</i> , 2020, 727, 138638.	3.9	51
24	Comparative Quantitative Toxicology and QSAR Modeling of the Haloacetonitriles: Forcing Agents of Water Disinfection Byproduct Toxicity. <i>Environmental Science & Technology</i> , 2020, 54, 8909-8918.	4.6	72
25	Purification and removal of the low molecular weight fraction of polyDADMAC reduces <i>N</i> -nitrosodimethylamine formation during water treatment. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2492-2498.	1.2	3
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27	Low-concentration of dichloroacetonitrile (DCAN) in drinking water perturbs the health-associated gut microbiome and metabolic profile in rats. <i>Chemosphere</i> , 2020, 258, 127067.	4.2	10
28	Predicting unregulated disinfection by-products in small water distribution networks: an empirical modelling framework. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 497.	1.3	16
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30	Toxicological assessment of seven unregulated drinking water Disinfection By-products (DBPs) using the zebrafish embryo bioassay. <i>Science of the Total Environment</i> , 2020, 742, 140522.	3.9	24
31	Bibliometric review of research trends on disinfection by-products in drinking water during 1975â€“2018. <i>Separation and Purification Technology</i> , 2020, 241, 116741.	3.9	43
32	Biological Activity-Based Prioritization of Pharmaceuticals in Wastewater for Environmental Monitoring: G Protein-Coupled Receptor Inhibitors. <i>Environmental Science & Technology</i> , 2020, 54, 1720-1729.	4.6	18
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35	Occurrence of CX ₃ R-Type Disinfection Byproducts in Drinking Water Treatment Plants Using DON-Rich Source Water. <i>ACS ES&T Water</i> , 2021, 1, 553-561.	2.3	9
36	Phenylurea herbicide degradation and N-nitrosodimethylamine formation under various oxidation conditions: Relationships and transformation pathways. <i>Environmental Pollution</i> , 2021, 269, 116122.	3.7	14
37	Novel biosensors for detection of the parasite in food. , 2021, , 59-77.		1
38	Fabrication of a hybrid ultrafiltration membrane based on MoS ₂ modified with dopamine and polyethyleneimine. <i>RSC Advances</i> , 2021, 11, 26391-26402.	1.7	11
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40	Target, suspect and non-target screening analysis from wastewater treatment plant effluents to drinking water using collision cross section values as additional identification criterion. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 425-438.	1.9	13
41	Characterization of algal organic matter as precursors for carbonaceous and nitrogenous disinfection byproducts formation: Comparison with natural organic matter. <i>Journal of Environmental Management</i> , 2021, 282, 111951.	3.8	38
42	Hydrolysis characteristics and risk assessment of a widely detected emerging drinking water disinfection-by-product "2,6-dichloro-1,4-benzoquinone" in the water environment of Tianjin (China). <i>Science of the Total Environment</i> , 2021, 765, 144394.	3.9	16
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47	<i>Punica granatum</i> mediated green synthesis of cauliflower-like ZnO and decorated with bovine bone-derived hydroxyapatite for expeditious visible light photocatalytic antibacterial, antibiofilm and antioxidant activities. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105736.	3.3	37
48	Terrestrial dissolved organic matter source affects disinfection by-product formation during water treatment and subsequent toxicity. <i>Environmental Pollution</i> , 2021, 283, 117232.	3.7	10
49	<i>In situ</i> generated silver nanoparticles embedded in polyethersulfone nanostructured membranes (Ag/PES) for antimicrobial decontamination of water. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3185-3195.	1.6	5
50	Dynamic and quantitative characterization of antagonism within disinfectant mixtures by a modified area-concentration ratio method. <i>Ecotoxicology and Environmental Safety</i> , 2021, 221, 112455.	2.9	2
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59	Effects of pipe materials on the characteristic recognition, disinfection byproduct formation, and toxicity risk of pipe wall biofilms during chlorination in water supply pipelines. <i>Water Research</i> , 2022, 210, 117980.	5.3	31
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