

Tanju Karanfil

List of Publications by Year in descending order

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169
papers

9,883
citations

28274

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171
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171
times ranked

8218
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of organic contaminants by graphene nanosheets: A review. <i>Water Research</i> , 2017, 126, 385-398.	11.3	354
2	The overlooked short- and ultrashort-chain poly- and perfluorinated substances: A review. <i>Chemosphere</i> , 2019, 220, 866-882.	8.2	287
3	Adsorption of aromatic organic contaminants by graphene nanosheets: Comparison with carbon nanotubes and activated carbon. <i>Water Research</i> , 2013, 47, 1648-1654.	11.3	283
4	Adsorption of synthetic organic contaminants by carbon nanotubes: A critical review. <i>Water Research</i> , 2015, 68, 34-55.	11.3	261
5	Adsorption of Aromatic Compounds by Carbonaceous Adsorbents: A Comparative Study on Granular Activated Carbon, Activated Carbon Fiber, and Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2010, 44, 6377-6383.	10.0	237
6	Role of Granular Activated Carbon Surface Chemistry on the Adsorption of Organic Compounds. 1. Priority Pollutants. <i>Environmental Science & Technology</i> , 1999, 33, 3217-3224.	10.0	226
7	Adsorption of perfluoroalkyl substances (PFAS) in groundwater by granular activated carbons: Roles of hydrophobicity of PFAS and carbon characteristics. <i>Water Research</i> , 2020, 170, 115364.	11.3	215
8	Adsorption of synthetic organic chemicals by carbon nanotubes: Effects of background solution chemistry. <i>Water Research</i> , 2010, 44, 2067-2074.	11.3	207
9	Probing reactivity of dissolved organic matter for disinfection by-product formation using XAD-8 resin adsorption and ultrafiltration fractionation. <i>Water Research</i> , 2002, 36, 3834-3848.	11.3	206
10	Tailoring activated carbons for enhanced removal of natural organic matter from natural waters. <i>Carbon</i> , 2004, 42, 547-557.	10.3	204
11	Adsorption of Natural Organic Polyelectrolytes by Activated Carbon: A Size-Exclusion Chromatography Study. <i>Environmental Science & Technology</i> , 1996, 30, 1336-1343.	10.0	185
12	Disinfection byproducts in swimming pool: Occurrences, implications and future needs. <i>Water Research</i> , 2014, 53, 68-109.	11.3	175
13	Disinfection by-product formation during seawater desalination: A review. <i>Water Research</i> , 2015, 81, 343-355.	11.3	164
14	Removal and Sequestration of Iodide Using Silver-Impregnated Activated Carbon. <i>Environmental Science & Technology</i> , 2002, 36, 784-789.	10.0	162
15	Efficient PFAS Removal by Amine-Functionalized Sorbents: Critical Review of the Current Literature. <i>Environmental Science and Technology Letters</i> , 2019, 6, 688-695.	8.7	160
16	Halonitromethane formation potentials in drinking waters. <i>Water Research</i> , 2010, 44, 105-114.	11.3	148
17	Adsorption of dissolved natural organic matter by modified activated carbons. <i>Water Research</i> , 2005, 39, 2281-2290.	11.3	146
18	The Impacts of Aggregation and Surface Chemistry of Carbon Nanotubes on the Adsorption of Synthetic Organic Compounds. <i>Environmental Science & Technology</i> , 2009, 43, 5719-5725.	10.0	146

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19	Formation of disinfection by-products in indoor swimming pool water: The contribution from filling water natural organic matter and swimmer body fluids. <i>Water Research</i> , 2011, 45, 926-932.	11.3	138
20	Performance of a hybrid reverse osmosis-constructed wetland treatment system for brackish oil field produced water. <i>Water Research</i> , 2003, 37, 705-713.	11.3	135
21	The roles of tertiary amine structure, background organic matter and chloramine species on NDMA formation. <i>Water Research</i> , 2013, 47, 945-953.	11.3	128
22	The effects of dissolved natural organic matter on the adsorption of synthetic organic chemicals by activated carbons and carbon nanotubes. <i>Water Research</i> , 2011, 45, 1378-1386.	11.3	126
23	Role of Granular Activated Carbon Surface Chemistry on the Adsorption of Organic Compounds. 2. Natural Organic Matter. <i>Environmental Science & Technology</i> , 1999, 33, 3225-3233.	10.0	123
24	Cationic polymer for selective removal of GenX and short-chain PFAS from surface waters and wastewaters at ng/L levels. <i>Water Research</i> , 2019, 163, 114874.	11.3	115
25	Comparative Analysis of Halonitromethane and Trihalomethane Formation and Speciation in Drinking Water: The Effects of Disinfectants, pH, Bromide, and Nitrite. <i>Environmental Science & Technology</i> , 2010, 44, 794-799.	10.0	112
26	The environmental impacts of iron and steel industry: a life cycle assessment study. <i>Journal of Cleaner Production</i> , 2016, 130, 195-201.	9.3	112
27	Adsorption of Organic Macromolecules by Granular Activated Carbon. 1. Influence of Molecular Properties Under Anoxic Solution Conditions. <i>Environmental Science & Technology</i> , 1996, 30, 2187-2194.	10.0	110
28	The control of disinfection byproducts and their precursors in biologically active filtration processes. <i>Water Research</i> , 2017, 124, 630-653.	11.3	108
29	Competitive Interactions among Components of Humic Acids in Granular Activated Carbon Adsorption Systems: A Effects of Solution Chemistry. <i>Environmental Science & Technology</i> , 1996, 30, 1344-1351.	10.0	107
30	Sorption behavior of real microplastics (MPs): Insights for organic micropollutants adsorption on a large set of well-characterized MPs. <i>Science of the Total Environment</i> , 2020, 720, 137634.	8.0	107
31	Survey of DOC and UV measurement practices with implications for SUVA determination. <i>Journal - American Water Works Association</i> , 2002, 94, 68-80.	0.3	104
32	Trichloroethylene Adsorption by Fibrous and Granular Activated Carbons: Aqueous Phase, Gas Phase, and Water Vapor Adsorption Studies. <i>Environmental Science & Technology</i> , 2004, 38, 5834-5841.	10.0	103
33	Formation of regulated and unregulated disinfection byproducts during chlorination of algal organic matter extracted from freshwater and marine algae. <i>Water Research</i> , 2018, 142, 313-324.	11.3	101
34	Assessing trihalomethanes (THMs) and N-nitrosodimethylamine (NDMA) formation potentials in drinking water treatment plants using fluorescence spectroscopy and parallel factor analysis. <i>Chemosphere</i> , 2015, 121, 84-91.	8.2	100
35	Rapid Removal of Poly- and Perfluorinated Alkyl Substances by Poly(ethylenimine)-Functionalized Cellulose Microcrystals at Environmentally Relevant Conditions. <i>Environmental Science and Technology Letters</i> , 2018, 5, 764-769.	8.7	99
36	The impact of bromide/iodide concentration and ratio on iodinated trihalomethane formation and speciation. <i>Water Research</i> , 2012, 46, 11-20.	11.3	96

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37	Oxidation byproducts from the degradation of dissolved organic matter by advanced oxidation processes – A critical review. <i>Water Research</i> , 2019, 164, 114929.	11.3	95
38	Elucidating Adsorptive Fractions of Natural Organic Matter on Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2017, 51, 7101-7110.	10.0	92
39	Wildfire Altering Terrestrial Precursors of Disinfection Byproducts in Forest Detritus. <i>Environmental Science & Technology</i> , 2015, 49, 5921-5929.	10.0	90
40	Predictive Model Development for Adsorption of Aromatic Contaminants by Multi-Walled Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2013, 47, 2295-2303.	10.0	88
41	Adsorption of halogenated aliphatic contaminants by graphene nanomaterials. <i>Water Research</i> , 2015, 79, 57-67.	11.3	87
42	Adsorption of organic contaminants by graphene nanosheets, carbon nanotubes and granular activated carbons under natural organic matter preloading conditions. <i>Science of the Total Environment</i> , 2016, 565, 811-817.	8.0	84
43	Granular Activated Carbon Treatment May Result in Higher Predicted Genotoxicity in the Presence of Bromide. <i>Environmental Science & Technology</i> , 2016, 50, 9583-9591.	10.0	83
44	LCA as a decision support tool for evaluation of best available techniques (BATs) for cleaner production of iron casting. <i>Journal of Cleaner Production</i> , 2015, 105, 337-347.	9.3	80
45	Selecting Filter Membranes for measuring DOC and UV ₂₅₄ . <i>Journal - American Water Works Association</i> , 2003, 95, 86-100.	0.3	74
46	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. <i>Water Research</i> , 2001, 35, 2225-2234.	11.3	73
47	The effects of pH, bromide and nitrite on halonitromethane and trihalomethane formation from amino acids and amino sugars. <i>Chemosphere</i> , 2012, 86, 323-328.	8.2	73
48	Formation Mechanism of NDMA from Ranitidine, Trimethylamine, and Other Tertiary Amines during Chloramination: A Computational Study. <i>Environmental Science & Technology</i> , 2014, 48, 8653-8663.	10.0	72
49	Leaching of DOC, DN, and inorganic constituents from scrap tires. <i>Chemosphere</i> , 2015, 139, 617-623.	8.2	70
50	I-THM Formation and Speciation: Preformed Monochloramine versus Prechlorination Followed by Ammonia Addition. <i>Environmental Science & Technology</i> , 2011, 45, 10429-10437.	10.0	69
51	The effect of pre-oxidation on NDMA formation and the influence of pH. <i>Water Research</i> , 2014, 66, 169-179.	11.3	69
52	Unexpected Role of Activated Carbon in Promoting Transformation of Secondary Amines to N-Nitrosamines. <i>Environmental Science & Technology</i> , 2010, 44, 4161-4168.	10.0	66
53	The control of N-DBP and C-DBP precursors with MIEX®. <i>Water Research</i> , 2013, 47, 1344-1352.	11.3	66
54	Relative Importance of Different Water Categories as Sources of N-Nitrosamine Precursors. <i>Environmental Science & Technology</i> , 2016, 50, 13239-13248.	10.0	65

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55	TCE adsorption by GAC preloaded with humic substances. Journal - American Water Works Association, 1998, 90, 76-89.	0.3	58
56	Removal of bromide from natural waters: Bromide-selective vs. conventional ion exchange resins. Chemosphere, 2020, 238, 124583.	8.2	58
57	Comparing graphene, carbon nanotubes, and superfine powdered activated carbon as adsorptive coating materials for microfiltration membranes. Journal of Hazardous Materials, 2013, 261, 91-98.	12.4	56
58	Trichloroethylene adsorption by activated carbon preloaded with humic substances: effects of solution chemistry. Water Research, 2002, 36, 1685-1698.	11.3	55
59	Microplastics release precursors of chlorinated and brominated disinfection byproducts in water. Chemosphere, 2020, 251, 126452.	8.2	55
60	Dissolved organic matter removal and disinfection byproduct formation control using ion exchange. Desalination, 2005, 176, 189-200.	8.2	54
61	Effect of bead milling on chemical and physical characteristics of activated carbons pulverized to superfine sizes. Water Research, 2016, 89, 161-170.	11.3	52
62	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.	11.3	52
63	Adsorption kinetics of aromatic compounds on carbon nanotubes and activated carbons. Environmental Toxicology and Chemistry, 2012, 31, 79-85.	4.3	51
64	Linear solvation energy relationships (LSER) for adsorption of organic compounds by carbon nanotubes. Water Research, 2016, 98, 28-38.	11.3	51
65	Halonitromethanes formation in wastewater treatment plant effluents. Chemosphere, 2010, 79, 174-179.	8.2	49
66	Seasonal and temporal patterns of NDMA formation potentials in surface waters. Water Research, 2015, 69, 162-172.	11.3	49
67	The interplay between natural organic matter and bromide on bromine substitution. Science of the Total Environment, 2019, 646, 1172-1181.	8.0	49
68	Removal of N-nitrosodimethylamine precursors with powdered activated carbon adsorption. Water Research, 2016, 88, 711-718.	11.3	48
69	HAA formation during chloramination—significance of monochloramine's direct reaction with DOM. Journal - American Water Works Association, 2007, 99, 57-69.	0.3	47
70	Impact of carbon nanotube morphology on phenanthrene adsorption. Environmental Toxicology and Chemistry, 2012, 31, 73-78.	4.3	47
71	Competitive Effects of Nondisplaceable Organic Compounds on Trichloroethylene Uptake by Activated Carbon. I. Thermodynamic Predictions and Model Sensitivity Analyses. Journal of Colloid and Interface Science, 1998, 205, 271-279.	9.4	46
72	Adsorption of Organic Macromolecules by Granular Activated Carbon. 2. Influence of Dissolved Oxygen. Environmental Science & Technology, 1996, 30, 2195-2201.	10.0	45

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73	The role of chloramine species in NDMA formation. <i>Water Research</i> , 2018, 140, 100-109.	11.3	45
74	Extreme flooding mobilized dissolved organic matter from coastal forested wetlands. <i>Biogeochemistry</i> , 2017, 136, 293-309.	3.5	43
75	Recovery of Critical Metals from Aqueous Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11616-11634.	6.7	43
76	Mechanisms and modeling of halogenated aliphatic contaminant adsorption by carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2015, 295, 138-144.	12.4	42
77	Trihalomethane hydrolysis in drinking water at elevated temperatures. <i>Water Research</i> , 2015, 78, 18-27.	11.3	40
78	Competitive Effects of Nondisplaceable Organic Compounds on Trichloroethylene Uptake by Activated Carbon. II. Model Verification and Applicability to Natural Organic Matter. <i>Journal of Colloid and Interface Science</i> , 1998, 205, 280-289.	9.4	38
79	Adsorption of oxygen by heat-treated granular and fibrous activated carbons. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 1-8.	9.4	37
80	The effects of selected preoxidation strategies on I-THM formation and speciation. <i>Water Research</i> , 2012, 46, 5491-5498.	11.3	37
81	Two years of post-wildfire impacts on dissolved organic matter, nitrogen, and precursors of disinfection by-products in California stream waters. <i>Water Research</i> , 2020, 181, 115891.	11.3	37
82	Removal of bromide from surface waters using silver impregnated activated carbon. <i>Water Research</i> , 2017, 113, 223-230.	11.3	36
83	Effects of reverse osmosis isolation on reactivity of naturally occurring dissolved organic matter in physicochemical processes. <i>Water Research</i> , 2004, 38, 1026-1036.	11.3	35
84	Superfine powdered activated carbon (S-PAC) coatings on microfiltration membranes: Effects of milling time on contaminant removal and flux. <i>Water Research</i> , 2016, 100, 429-438.	11.3	35
85	The control of N-nitrosodimethylamine, Halonitromethane, and Trihalomethane precursors by Nanofiltration. <i>Water Research</i> , 2016, 105, 274-281.	11.3	35
86	Selective removal of bromide and iodide from natural waters using a novel AgCl-SPAC composite at environmentally relevant conditions. <i>Water Research</i> , 2019, 156, 168-178.	11.3	34
87	Chloramination of iodide-containing waters: Formation of iodinated disinfection byproducts and toxicity correlation with total organic halides of treated waters. <i>Science of the Total Environment</i> , 2019, 697, 134142.	8.0	33
88	Adsorption kinetics and aggregation for three classes of carbonaceous adsorbents in the presence of natural organic matter. <i>Chemosphere</i> , 2019, 229, 515-524.	8.2	33
89	Toxicity of chlorinated algal-impacted waters: Formation of disinfection byproducts vs. reduction of cyanotoxins. <i>Water Research</i> , 2020, 184, 116145.	11.3	33
90	Microwave regeneration of granular activated carbon saturated with PFAS. <i>Water Research</i> , 2021, 198, 117121.	11.3	33

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91	Isolation and fractionation of natural organic matter: evaluation of reverse osmosis performance and impact of fractionation parameters. <i>Environmental Monitoring and Assessment</i> , 2009, 153, 307-321.	2.7	31
92	Influence of carbon nanotubes on the bioavailability of fluoranthene. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 658-666.	4.3	31
93	Formation of iodinated trihalomethanes and noniodinated disinfection byproducts during chloramination of algal organic matter extracted from <i>Microcystis aeruginosa</i> . <i>Water Research</i> , 2019, 162, 115-126.	11.3	30
94	The effect of the physical and chemical characteristics of activated carbons on the adsorption energy and affinity coefficient of Dubinin equation. <i>Journal of Colloid and Interface Science</i> , 2005, 292, 312-321.	9.4	29
95	Approaches To Mitigate the Impact of Dissolved Organic Matter on the Adsorption of Synthetic Organic Contaminants by Porous Carbonaceous Sorbents. <i>Environmental Science & Technology</i> , 2007, 41, 7888-7894.	10.0	29
96	Recent Advances in Disinfection By-Product Formation, Occurrence, Control, Health Effects, and Regulations. <i>ACS Symposium Series</i> , 2008, , 2-19.	0.5	29
97	Removal of both N-nitrosodimethylamine and trihalomethanes precursors in a single treatment using ion exchange resins. <i>Water Research</i> , 2017, 124, 20-28.	11.3	29
98	Impact of combining chlorine dioxide and chlorine on DBP formation in simulated indoor swimming pools. <i>Journal of Environmental Sciences</i> , 2017, 58, 155-162.	6.1	28
99	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. <i>RSC Advances</i> , 2013, 3, 23924.	3.6	27
100	Temporal variations of disinfection byproduct precursors in wildfire detritus. <i>Water Research</i> , 2016, 99, 66-73.	11.3	27
101	Adsorption kinetics of synthetic organic contaminants onto superfine powdered activated carbon. <i>Chemosphere</i> , 2020, 253, 126628.	8.2	27
102	Preferential Halogenation of Algal Organic Matter by Iodine over Chlorine and Bromine: Formation of Disinfection Byproducts and Correlation with Toxicity of Disinfected Waters. <i>Environmental Science & Technology</i> , 2022, 56, 1244-1256.	10.0	27
103	Exploring Molecular Sieve Capabilities of Activated Carbon Fibers to Reduce the Impact of NOM Preloading on Trichloroethylene Adsorption. <i>Environmental Science & Technology</i> , 2006, 40, 1321-1327.	10.0	24
104	Historical and Future Needs for Geospatial Iodide Occurrence in Surface and Groundwaters of the United States of America. <i>Environmental Science and Technology Letters</i> , 2019, 6, 379-388.	8.7	24
105	Activated carbon and organic matter characteristics impact the adsorption of DBP precursors when chlorine is added prior to GAC contactors. <i>Water Research</i> , 2020, 184, 116146.	11.3	24
106	THE OXYGEN SENSITIVITY OF ORGANIC MACROMOLECULE SORPTION BY ACTIVATED CARBON: EFFECTS OF SOLUTION CHEMISTRY. <i>Water Research</i> , 1998, 32, 154-164.	11.3	23
107	The significance of physical factors on the adsorption of polyaromatic compounds by activated carbons. <i>Carbon</i> , 2008, 46, 1885-1891.	10.3	23
108	Formation of haloacetic acids from dissolved organic matter fractions during chloramination. <i>Water Research</i> , 2013, 47, 1147-1155.	11.3	23

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109	Characterization of Dissolved Organic Matter from Wildfire-induced <i>Microcystis aeruginosa</i> Blooms controlled by Copper Sulfate as Disinfection Byproduct Precursors Using APPI(-) and ESI(-) FT-ICR MS. <i>Water Research</i> , 2021, 189, 116640.	11.3	23
110	Dynamic Changes of Disinfection Byproduct Precursors following Exposures of <i>Microcystis aeruginosa</i> to Wildfire Ash Solutions. <i>Environmental Science & Technology</i> , 2017, 51, 8272-8282.	10.0	22
111	Stability of Oxygen Nanobubbles under Freshwater Conditions. <i>Water Research</i> , 2021, 206, 117749.	11.3	22
112	Emerging investigator series: microplastic sources, fate, toxicity, detection, and interactions with micropollutants in aquatic ecosystems – a review of reviews. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 172-195.	3.5	22
113	Impacts of dissolved oxygen on the sorption of humic substances and the subsequent inhibition of o-cresol uptake by granular activated carbon. <i>Water Research</i> , 1994, 28, 1673-1678.	11.3	21
114	Release of Nitrosamines and Nitrosamine Precursors from Scrap Tires. <i>Environmental Science and Technology Letters</i> , 2019, 6, 251-256.	8.7	21
115	Removal mechanisms of geosmin and MIB by oxygen nanobubbles during water treatment. <i>Chemical Engineering Journal</i> , 2022, 443, 136535.	12.7	21
116	Influence of Drought and Municipal Sewage Effluents on the Baseflow Water Chemistry of an Upper Piedmont River. <i>Environmental Monitoring and Assessment</i> , 2007, 132, 171-187.	2.7	20
117	Predictive models for adsorption of organic compounds by Graphene nanosheets: comparison with carbon nanotubes. <i>Science of the Total Environment</i> , 2019, 654, 28-34.	8.0	19
118	Inputs of disinfection by-products to the marine environment from various industrial activities: Comparison to natural production. <i>Water Research</i> , 2022, 217, 118383.	11.3	18
119	Tracing microplastic (MP)-derived dissolved organic matter in the infiltration of MP-contaminated sand system and its disinfection byproducts formation. <i>Water Research</i> , 2022, 221, 118806.	11.3	18
120	Formation of regulated and unregulated disinfection byproducts during chlorination and chloramination: Roles of dissolved organic matter type, bromide, and iodide. <i>Journal of Environmental Sciences</i> , 2022, 117, 151-160.	6.1	17
121	Impacts of land disturbance on aquatic ecosystem health: Quantifying the cascade of events. <i>Integrated Environmental Assessment and Management</i> , 2008, 4, 431-442.	2.9	15
122	<i>N</i> -Nitrosodimethylamine (NDMA) Precursors Leach from Nanofiltration Membranes. <i>Environmental Science and Technology Letters</i> , 2015, 2, 66-69.	8.7	15
123	Hurricane resulted in releasing more nitrogenous than carbonaceous disinfection byproduct precursors in coastal watersheds. <i>Science of the Total Environment</i> , 2020, 705, 135785.	8.0	15
124	Applicability of the linear solvation energy relationships in the prediction for adsorption of aromatic compounds on activated carbons from aqueous solutions. <i>Separation and Purification Technology</i> , 2013, 117, 111-117.	7.9	14
125	Evaluation of Seasonal Performance of Conventional and Phosphate-Amended Biofilters. <i>Journal - American Water Works Association</i> , 2016, 108, E523.	0.3	14
126	Bioavailability of Carbon Nanomaterial-Adsorbed Polycyclic Aromatic Hydrocarbons to <i>Pimphales promelas</i> : Influence of Adsorbate Molecular Size and Configuration. <i>Environmental Science & Technology</i> , 2017, 51, 9288-9296.	10.0	14

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127	A comprehensive review of mathematical models developed for the estimation of organic disinfection byproducts. <i>Chemosphere</i> , 2020, 246, 125797.	8.2	14
128	The impact of filtrate turbidity on UV ₂₅₄ and SUVA ₂₅₄ determinations. <i>Journal - American Water Works Association</i> , 2005, 97, 125-136.	0.3	13
129	Effects of quenching methods on HAA determination in chloraminated waters. <i>Journal - American Water Works Association</i> , 2008, 100, 89-99.	0.3	13
130	Removal of Selected Ca ²⁺ and Na ⁺ DBP Precursors in Biologically Active Filters. <i>Journal - American Water Works Association</i> , 2017, 109, E73.	0.3	13
131	Low water treatability efficiency of wildfire-induced dissolved organic matter and disinfection by-product precursors. <i>Water Research</i> , 2020, 184, 116111.	11.3	13
132	Removal of the precursors of regulated DBPs and TOX from surface waters and wastewater effluents using mixed anion exchange resins. <i>Chemosphere</i> , 2021, 263, 128094.	8.2	13
133	Effect of bromide on NDMA formation during chloramination of model precursor compounds and natural waters. <i>Water Research</i> , 2020, 170, 115323.	11.3	12
134	Effect of superfine pulverization of powdered activated carbon on adsorption of carbamazepine in natural source waters. <i>Science of the Total Environment</i> , 2021, 793, 148473.	8.0	12
135	Estimation of haloacetonitriles formation in water: Uniform formation conditions versus formation potential tests. <i>Science of the Total Environment</i> , 2020, 744, 140987.	8.0	11
136	Optical in-situ sensors capture dissolved organic carbon (DOC) dynamics after prescribed fire in high-DOC forest watersheds. <i>International Journal of Wildland Fire</i> , 2019, 28, 761.	2.4	11
137	Deactivation of wastewater-derived N-nitrosodimethylamine precursors with chlorine dioxide oxidation and the effect of pH. <i>Science of the Total Environment</i> , 2018, 635, 1383-1391.	8.0	10
138	MIEXA® treatment of an effluent-impacted stream. <i>Journal - American Water Works Association</i> , 2013, 105, E195.	0.3	9
139	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 (<i>Pinus jeffreyi</i>). <i>Water Research</i> , 2022, 209, 117962.	11.3	9
140	Total organic halogen (TOX) species formation at different locations in drinking water distribution systems. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2542-2552.	2.4	8
141	Predictive modeling of haloacetonitriles under uniform formation conditions. <i>Water Research</i> , 2021, 201, 117322.	11.3	8
142	Calculating the greenhouse gas emissions of water utilities. <i>Journal - American Water Works Association</i> , 2013, 105, E363.	0.3	7
143	Not your granddad's disinfection byproduct problems and solutions. <i>Journal - American Water Works Association</i> , 2014, 106, 54-73.	0.3	7
144	Optimization of Coagulation Pretreatment Conditions in a Ceramic Membrane System. <i>Journal - American Water Works Association</i> , 2015, 107, E693.	0.3	7

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145	The Genesis of a Critical Environmental Concern: Cannabinoids in Our Water Systems. <i>Environmental Science & Technology</i> , 2019, 53, 1746-1747.	10.0	7
146	Removal of wastewater and polymer derived N-nitrosodimethylamine precursors with integrated use of chlorine and chlorine dioxide. <i>Chemosphere</i> , 2019, 216, 224-233.	8.2	7
147	Effect of prescribed fires on the export of dissolved organic matter, precursors of disinfection by-products, and water treatability. <i>Water Research</i> , 2020, 187, 116385.	11.3	7
148	Preloading of GAC by natural organic matter: effect of surface chemistry on TCE uptake. <i>Studies in Surface Science and Catalysis</i> , 2002, , 553-560.	1.5	6
149	The correlation between structural characteristics of activated carbons and their adsorption of organic solutes from aqueous solutions. <i>Adsorption</i> , 2012, 18, 229-238.	3.0	6
150	Occurrence and Formation of Disinfection By-Products in Indoor U.S. Swimming Pools. <i>ACS Symposium Series</i> , 2015, , 405-430.	0.5	6
151	Removal of N-nitrosodimethylamine precursors by cation exchange resin: The effects of pH and calcium. <i>Chemosphere</i> , 2018, 211, 1091-1097.	8.2	6
152	Mesoporous activated carbon shows superior adsorption affinity for 11-nor-9-carboxy- δ^9 -tetrahydrocannabinol in water. <i>Npj Clean Water</i> , 2020, 3, .	8.0	5
153	Removal of halides from drinking water: technological achievements in the past ten years and research needs. <i>Environmental Science and Pollution Research</i> , 2022, 29, 55514-55527.	5.3	5
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