

# Urs von Gunten

## List of Publications by Year in descending order

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Version: 2024-02-01

260  
papers

40,942  
citations

2322

98  
h-index

2509

196  
g-index

263  
all docs

263  
docs citations

263  
times ranked

21397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactions of amines with ozone and chlorine: Two novel oxidative methods to evaluate the N-DBP formation potential from dissolved organic nitrogen. <i>Water Research</i> , 2022, 209, 117864.	11.3	15
2	Application of UV absorbance and electron-donating capacity as surrogates for micropollutant abatement during full-scale ozonation of secondary-treated wastewater. <i>Water Research</i> , 2022, 209, 117858.	11.3	15
3	Photochemical oxidation of phenols and anilines mediated by phenoxyl radicals in aqueous solution. <i>Water Research</i> , 2022, 213, 118095.	11.3	16
4	Ozonation of organic compounds in water and wastewater: A critical review. <i>Water Research</i> , 2022, 213, 118053.	11.3	193
5	Iodide sources in the aquatic environment and its fate during oxidative water treatment – A critical review. <i>Water Research</i> , 2022, 217, 118417.	11.3	27
6	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
7	Ozone disinfection of waterborne pathogens and their surrogates: A critical review. <i>Water Research</i> , 2022, 214, 118206.	11.3	55
8	Effect of cetyltrimethylammonium chloride on various <i>Escherichia coli</i> strains and their inactivation kinetics by ozone and monochloramine. <i>Water Research</i> , 2022, 216, 118278.	11.3	3
9	Kinetic and mechanistic understanding of chlorite oxidation during chlorination: Optimization of ClO <sub>2</sub> pre-oxidation for disinfection byproduct control. <i>Water Research</i> , 2022, 220, 118515.	11.3	3
10	Nanoplastics removal during drinking water treatment: Laboratory- and pilot-scale experiments and modeling. <i>Journal of Hazardous Materials</i> , 2022, 436, 129011.	12.4	27
11	Enhanced transformation of aquatic organic compounds by long-lived photooxidants (LLPO) produced from dissolved organic matter. <i>Water Research</i> , 2021, 190, 116707.	11.3	24
12	Optical properties and photochemical production of hydroxyl radical and singlet oxygen after ozonation of dissolved organic matter. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 346-356.	2.4	13
13	Enhanced Treatment of Municipal Wastewater Effluents by Fe-TAML/H <sub>2</sub> O <sub>2</sub> : Efficiency of Micropollutant Abatement. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3313-3321.	10.0	26
14	Reactions of $\alpha,\beta$ -Unsaturated Carbonyls with Free Chlorine, Free Bromine, and Combined Chlorine. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3305-3312.	10.0	16
15	Reaction of DMS and HOBr as a Sink for Marine DMS and an Inhibitor of Bromoform Formation. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5547-5558.	10.0	7
16	Micropollutants as internal probe compounds to assess UV fluence and hydroxyl radical exposure in UV/H <sub>2</sub> O <sub>2</sub> treatment. <i>Water Research</i> , 2021, 195, 116940.	11.3	12
17	Formation of transformation products during ozonation of secondary wastewater effluent and their fate in post-treatment: From laboratory- to full-scale. <i>Water Research</i> , 2021, 200, 117200.	11.3	39
18	Permanganate Reduction by Hydrogen Peroxide: Formation of Reactive Manganese Species and Superoxide and Enhanced Micropollutant Abatement. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 1410-1419.	7.6	19

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19	Toxic effects of substituted p-benzoquinones and hydroquinones in in vitro bioassays are altered by reactions with the cell assay medium. <i>Water Research</i> , 2021, 202, 117415.	11.3	15
20	Oxidant-reactive carbonous moieties in dissolved organic matter: Selective quantification by oxidative titration using chlorine dioxide and ozone. <i>Water Research</i> , 2021, 207, 117790.	11.3	23
21	Oxidation of 51 micropollutants during drinking water ozonation: Formation of transformation products and their fate during biological post-filtration. <i>Water Research</i> , 2021, 207, 117812.	11.3	36
22	Chlorination of Phenols Revisited: Unexpected Formation of $\hat{1},\hat{2}$ -Unsaturated C <sub>4</sub> -Dicarbonyl Ring Cleavage Products. <i>Environmental Science &amp; Technology</i> , 2020, 54, 826-834.	10.0	60
23	Efficiency of pre-oxidation of natural organic matter for the mitigation of disinfection byproducts: Electron donating capacity and UV absorbance as surrogate parameters. <i>Water Research</i> , 2020, 187, 116418.	11.3	29
24	Chlorination and bromination of olefins: Kinetic and mechanistic aspects. <i>Water Research</i> , 2020, 187, 116424.	11.3	25
25	Assessment of the breakthrough of micropollutants in full-scale granular activated carbon adsorbers by rapid small-scale column tests and a novel pilot-scale sampling approach. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2742-2751.	2.4	9
26	Quenching of an Aniline Radical Cation by Dissolved Organic Matter and Phenols: A Laser Flash Photolysis Study. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15057-15065.	10.0	29
27	Molecular-Level Transformation of Dissolved Organic Matter during Oxidation by Ozone and Hydroxyl Radical. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10351-10360.	10.0	93
28	Quantification of the electron donating capacity and UV absorbance of dissolved organic matter during ozonation of secondary wastewater effluent by an assay and an automated analyzer. <i>Water Research</i> , 2020, 185, 116235.	11.3	44
29	Themed issue on drinking water oxidation and disinfection processes. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2252-2256.	2.4	3
30	Chlorothalonil transformation products in drinking water resources: Widespread and challenging to abate. <i>Water Research</i> , 2020, 183, 116066.	11.3	27
31	Comparison of the impact of ozone, chlorine dioxide, ferrate and permanganate pre-oxidation on organic disinfection byproduct formation during post-chlorination. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2382-2395.	2.4	16
32	Generation of hydroxyl radical during chlorination of hydroxyphenols and natural organic matter extracts. <i>Water Research</i> , 2020, 177, 115691.	11.3	39
33	Persulfate-Based Advanced Oxidation: Critical Assessment of Opportunities and Roadblocks. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3064-3081.	10.0	1,779
34	Adaptation of <i>Pseudomonas aeruginosa</i> to constant sub-inhibitory concentrations of quaternary ammonium compounds. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1139-1152.	2.4	18
35	Mixture effects of drinking water disinfection by-products: implications for risk assessment. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2341-2351.	2.4	43
36	Kinetics of the reaction between hydrogen peroxide and aqueous iodine: Implications for technical and natural aquatic systems. <i>Water Research</i> , 2020, 179, 115852.	11.3	23

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37	Reactions of pyrrole, imidazole, and pyrazole with ozone: kinetics and mechanisms. Environmental Science: Water Research and Technology, 2020, 6, 976-992.	2.4	20
38	Kinetic and mechanistic aspects of selenite oxidation by chlorine, bromine, monochloramine, ozone, permanganate, and hydrogen peroxide. Water Research, 2019, 164, 114876.	11.3	16
39	Hypobromous Acid as an Unaccounted Sink for Marine Dimethyl Sulfide?. Environmental Science & Technology, 2019, 53, 13146-13157.	10.0	10
40	Surface water treatment by UV/H <sub>2</sub> O <sub>2</sub> with subsequent soil aquifer treatment: impact on micropollutants, dissolved organic matter and biological activity. Environmental Science: Water Research and Technology, 2019, 5, 1709-1722.	2.4	9
41	Proxies to monitor the inactivation of viruses by ozone in surface water and wastewater effluent. Water Research, 2019, 166, 115088.	11.3	26
42	Enhanced transformation of sulfonamide antibiotics by manganese(IV) oxide in the presence of model humic constituents. Water Research, 2019, 153, 200-207.	11.3	57
43	Laser flash photolysis study of the photoinduced oxidation of 4-(dimethylamino)benzonitrile (DMABN). Photochemical and Photobiological Sciences, 2019, 18, 534-545.	2.9	12
44	Differences in Viral Disinfection Mechanisms as Revealed by Quantitative Transfection of Echovirus 11 Genomes. Applied and Environmental Microbiology, 2019, 85, .	3.1	39
45	Effects of Ozone on the Photochemical and Photophysical Properties of Dissolved Organic Matter. Environmental Science & Technology, 2019, 53, 5622-5632.	10.0	41
46	Micropollutant Oxidation Studied by Quantum Chemical Computations: Methodology and Applications to Thermodynamics, Kinetics, and Reaction Mechanisms. Accounts of Chemical Research, 2019, 52, 605-614.	15.6	50
47	Reactions of aliphatic amines with ozone: Kinetics and mechanisms. Water Research, 2019, 157, 514-528.	11.3	74
48	A Tale of Two Treatments: The Multiple Barrier Approach to Removing Chemical Contaminants During Potable Water Reuse. Accounts of Chemical Research, 2019, 52, 615-622.	15.6	112
49	Oxidation Processes in Water Treatment: Are We on Track?. Environmental Science & Technology, 2018, 52, 5062-5075.	10.0	452
50	Ozonation of municipal wastewater effluent containing metal sulfides and metal complexes: Kinetics and mechanisms. Water Research, 2018, 134, 170-180.	11.3	35
51	Kinetics of Inactivation of Waterborne Enteric Viruses by Ozone. Environmental Science & Technology, 2018, 52, 2170-2177.	10.0	84
52	Ozonation of <i>para</i> -Substituted Phenolic Compounds Yields <i>p</i> -Benzoquinones, Other Cyclic 1,2-Unsaturated Ketones, and Substituted Catechols. Environmental Science & Technology, 2018, 52, 4763-4773.	10.0	91
53	Specific and total N-nitrosamines formation potentials of nitrogenous micropollutants during chloramination. Water Research, 2018, 135, 311-321.	11.3	30
54	Evaluation of a full-scale wastewater treatment plant upgraded with ozonation and biological post-treatments: Abatement of micropollutants, formation of transformation products and oxidation by-products. Water Research, 2018, 129, 486-498.	11.3	361

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55	Impact of Combined Chlorination and Chloramination Conditions on $N$ -Nitrosodimethylamine Formation. Journal - American Water Works Association, 2018, 110, 11-24.	0.3	10
56	Formation of $N$ -nitrosamines by micelle-catalysed nitrosation of aliphatic secondary amines. Environmental Sciences: Processes and Impacts, 2018, 20, 1479-1487.	3.5	6
57	Behavior of NDMA precursors at 21 full-scale water treatment facilities. Environmental Science: Water Research and Technology, 2018, 4, 1966-1978.	2.4	13
58	In Situ Formation of Free Chlorine During $ClO_2$ Treatment: Implications on the Formation of Disinfection Byproducts. Environmental Science & Technology, 2018, 52, 13421-13429.	10.0	66
59	Fate of Cr(III) during Ozonation of Secondary Municipal Wastewater Effluent. Ozone: Science and Engineering, 2018, 40, 441-447.	2.5	6
60	Non-target screening to trace ozonation transformation products in a wastewater treatment train including different post-treatments. Water Research, 2018, 142, 267-278.	11.3	105
61	Reactions of Ferrate(VI) with Iodide and Hypoiodous Acid: Kinetics, Pathways, and Implications for the Fate of Iodine during Water Treatment. Environmental Science & Technology, 2018, 52, 7458-7467.	10.0	89
62	Ozone and chlorine reactions with dissolved organic matter - Assessment of oxidant-reactive moieties by optical measurements and the electron donating capacities. Water Research, 2018, 144, 64-75.	11.3	67
63	Two analytical approaches quantifying the electron donating capacities of dissolved organic matter to monitor its oxidation during chlorination and ozonation. Water Research, 2018, 144, 677-689.	11.3	41
64	Formation of brominated trihalomethanes during chlorination or ozonation of natural organic matter extracts and model compounds in saline water. Water Research, 2018, 143, 492-502.	11.3	28
65	A computer-based prediction platform for the reaction of ozone with organic compounds in aqueous solution: kinetics and mechanisms. Environmental Sciences: Processes and Impacts, 2017, 19, 465-476.	3.5	35
66	Options and limitations for bromate control during ozonation of wastewater. Water Research, 2017, 116, 76-85.	11.3	105
67	Effect of operational and water quality parameters on conventional ozonation and the advanced oxidation process $O_3/H_2O_2$ : Kinetics of micropollutant abatement, transformation product and bromate formation in a surface water. Water Research, 2017, 122, 234-245.	11.3	129
68	Reactions of hypoiodous acid with model compounds and the formation of iodoform in absence/presence of permanganate. Water Research, 2017, 119, 126-135.	11.3	35
69	Abatement of Polychloro-1,3-butadienes in Aqueous Solution by Ozone, UV Photolysis, and Advanced Oxidation Processes ( $O_3/H_2O_2$ and $Tj$ ETQq1 1 0.784314 rgBT /Overlock 10.16 50 137 Td (UW)	10.0	50
70	Comparison of methylisoborneol and geosmin abatement in surface water by conventional ozonation and an electro-peroxone process. Water Research, 2017, 108, 373-382.	11.3	95
71	$UV/H_2O_2$ advanced oxidation for abatement of organophosphorous pesticides and the effects on various toxicity screening assays. Chemosphere, 2017, 182, 477-482.	8.2	32
72	Nitrate formation during ozonation as a surrogate parameter for abatement of micropollutants and the $N$ -nitrosodimethylamine (NDMA) formation potential. Water Research, 2017, 122, 246-257.	11.3	33

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73	MEMBRO <sub>3</sub> X, a Novel Combination of a Membrane Contactor with Advanced Oxidation (O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> ) for Simultaneous Micropollutant Abatement and Bromate Minimization. <i>Environmental Science and Technology Letters</i> , 2017, 4, 180-185.	8.7	43
74	Mechanistic Aspects of the Formation of Adsorbable Organic Bromine during Chlorination of Bromide-containing Synthetic Waters. <i>Environmental Science &amp; Technology</i> , 2017, 51, 5146-5155.	10.0	71
75	Formation and reactivity of inorganic and organic chloramines and bromamines during oxidative water treatment. <i>Water Research</i> , 2017, 110, 91-101.	11.3	113
76	Quantification of Total <i>N</i> -Nitrosamine Concentrations in Aqueous Samples via UV-Photolysis and Chemiluminescence Detection of Nitric Oxide. <i>Analytical Chemistry</i> , 2017, 89, 1574-1582.	6.5	33
77	Carbon, Hydrogen, and Nitrogen Isotope Fractionation Trends in <i>N</i> -Nitrosodimethylamine Reflect the Formation Pathway during Chloramination of Tertiary Amines. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13170-13179.	10.0	16
78	Kinetics and mechanisms of nitrate and ammonium formation during ozonation of dissolved organic nitrogen. <i>Water Research</i> , 2017, 108, 451-461.	11.3	58
79	Formation of <i>N</i> -Nitrosodimethylamine during Chloramination of Secondary and Tertiary Amines: Role of Molecular Oxygen and Radical Intermediates. <i>Environmental Science &amp; Technology</i> , 2017, 51, 280-290.	10.0	58
80	Point-of-use water filters can effectively remove disinfection by-products and toxicity from chlorinated and chloraminated tap water. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 875-883.	2.4	17
81	Kinetic and Mechanistic Aspects of the Reactions of Iodide and Hypoiodous Acid with Permanganate: Oxidation and Disproportionation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4358-4365.	10.0	53
82	Sample Enrichment for Bioanalytical Assessment of Disinfected Drinking Water: Concentrating the Polar, the Volatiles, and the Unknowns. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6495-6505.	10.0	63
83	Emerging investigators series: prediction of trace organic contaminant abatement with UV/H <sub>2</sub> O <sub>2</sub> : development and validation of semi-empirical models for municipal wastewater effluents. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 460-473.	2.4	29
84	Bromide Sources and Loads in Swiss Surface Waters and Their Relevance for Bromate Formation during Wastewater Ozonation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9825-9834.	10.0	127
85	Halide removal from aqueous solution by novel silver-polymeric materials. <i>Science of the Total Environment</i> , 2016, 573, 1125-1131.	8.0	18
86	Probing the Photosensitizing and Inhibitory Effects of Dissolved Organic Matter by Using <i>N,N</i> -dimethyl-4-cyanoaniline (DMABN). <i>Environmental Science &amp; Technology</i> , 2016, 50, 10997-11007.	10.0	51
87	An American in Zurich: Jerry Schnoor as an Ambassador for U.S. Environmental Science and Engineering. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6597-6598.	10.0	0
88	Inactivation of Antibiotic Resistant Bacteria and Resistance Genes by Ozone: From Laboratory Experiments to Full-Scale Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11862-11871.	10.0	175
89	Inactivation efficiency of <i>Escherichia coli</i> and autochthonous bacteria during ozonation of municipal wastewater effluents quantified with flow cytometry and adenosine tri-phosphate analyses. <i>Water Research</i> , 2016, 101, 617-627.	11.3	68
90	Fingerprinting the reactive toxicity pathways of 50 drinking water disinfection by-products. <i>Water Research</i> , 2016, 91, 19-30.	11.3	144

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91	Transformation of Contaminant Candidate List (CCL3) compounds during ozonation and advanced oxidation processes in drinking water: Assessment of biological effects. <i>Water Research</i> , 2016, 93, 110-120.	11.3	43
92	Oxidation of cetirizine, fexofenadine and hydrochlorothiazide during ozonation: Kinetics and formation of transformation products. <i>Water Research</i> , 2016, 94, 350-362.	11.3	75
93	How do you like your tap water?. <i>Science</i> , 2016, 351, 912-914.	12.6	115
94	Organic Contaminant Abatement in Reclaimed Water by UV/H <sub>2</sub> O <sub>2</sub> and a Combined Process Consisting of O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> Followed by UV/H <sub>2</sub> O <sub>2</sub> : Prediction of Abatement Efficiency, Energy Consumption, and Byproduct Formation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3809-3819.	10.0	146
95	Advances in predicting organic contaminant abatement during ozonation of municipal wastewater effluent: reaction kinetics, transformation products, and changes of biological effects. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 421-442.	2.4	131
96	Catalytic processes and new materials and technologies in water/wastewater treatment. <i>Water Research</i> , 2015, 86, 1.	11.3	7
97	Degradation rates of benzotriazoles and benzothiazoles under UV-C irradiation and the advanced oxidation process UV/H <sub>2</sub> O <sub>2</sub> . <i>Water Research</i> , 2015, 74, 143-154.	11.3	108
98	Compound-Specific Carbon, Nitrogen, and Hydrogen Isotope Analysis of <i>N</i> -Nitrosodimethylamine in Aqueous Solutions. <i>Analytical Chemistry</i> , 2015, 87, 2916-2924.	6.5	28
99	Peracetic Acid Oxidation of Saline Waters in the Absence and Presence of H <sub>2</sub> O <sub>2</sub> : Secondary Oxidant and Disinfection Byproduct Formation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1698-1705.	10.0	91
100	Determinants of disinfectant pretreatment efficacy for nitrosamine control in chloraminated drinking water. <i>Water Research</i> , 2015, 84, 161-170.	11.3	46
101	Sulfamethoxazole and isoproturon degradation and detoxification by a laccase-mediator system: Influence of treatment conditions and mechanistic aspects. <i>Biochemical Engineering Journal</i> , 2015, 103, 47-59.	3.6	79
102	Combination of UV absorbance and electron donating capacity to assess degradation of micropollutants and formation of bromate during ozonation of wastewater effluents. <i>Water Research</i> , 2015, 81, 388-397.	11.3	95
103	Photosensitizing and Inhibitory Effects of Ozonated Dissolved Organic Matter on Triplet-Induced Contaminant Transformation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8541-8549.	10.0	80
104	Development of Prediction Models for the Reactivity of Organic Compounds with Ozone in Aqueous Solution by Quantum Chemical Calculations: The Role of Delocalized and Localized Molecular Orbitals. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9925-9935.	10.0	83
105	Trichloramine reactions with nitrogenous and carbonaceous compounds: Kinetics, products and chloroform formation. <i>Water Research</i> , 2015, 71, 318-329.	11.3	20
106	Novel test procedure to evaluate the treatability of wastewater with ozone. <i>Water Research</i> , 2015, 75, 324-335.	11.3	87
107	Formation of disinfection by-products during ballast water treatment with ozone, chlorine, and peracetic acid: influence of water quality parameters. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 465-480.	2.4	65
108	Molecular Mechanism of NDMA Formation from <i>N,N</i> -Dimethylsulfamide During Ozonation: Quantum Chemical Insights into a Bromide-Catalyzed Pathway. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4163-4175.	10.0	53

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109	Effect of Ozone Treatment on Nano-Sized Silver Sulfide in Wastewater Effluent. <i>Environmental Science &amp; Technology</i> , 2015, 49, 10911-10919.	10.0	38
110	Mechanistic Study on the Formation of Cl-/Br-/I-Trihalomethanes during Chlorination/Chloramination Combined with a Theoretical Cytotoxicity Evaluation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11105-11114.	10.0	119
111	Reaction of bromine and chlorine with phenolic compounds and natural organic matter extracts – Electrophilic aromatic substitution and oxidation. <i>Water Research</i> , 2015, 85, 476-486.	11.3	235
112	Evaluation of the persistence of transformation products from ozonation of trace organic compounds – A critical review. <i>Water Research</i> , 2015, 68, 150-170.	11.3	174
113	Photolysis of inorganic chloramines and efficiency of trichloramine abatement by UV treatment of swimming pool water. <i>Water Research</i> , 2014, 56, 280-291.	11.3	56
114	Oxidative treatment of bromide-containing waters: Formation of bromine and its reactions with inorganic and organic compounds – A critical review. <i>Water Research</i> , 2014, 48, 15-42.	11.3	412
115	Chlorination of Iodide-Containing Waters in the Presence of CuO: Formation of Periodate. <i>Environmental Science &amp; Technology</i> , 2014, 48, 13173-13180.	10.0	27
116	Prediction of micropollutant elimination during ozonation of a hospital wastewater effluent. <i>Water Research</i> , 2014, 64, 134-148.	11.3	198
117	Comparison of a novel extraction-based colorimetric (ABTS) method with membrane introduction mass spectrometry (MIMS): Trichloramine dynamics in pool water. <i>Water Research</i> , 2014, 58, 258-268.	11.3	22
118	Development of mutagenicity during degradation of N-nitrosamines by advanced oxidation processes. <i>Water Research</i> , 2014, 66, 399-410.	11.3	40
119	Reaction of Ferrate(VI) with ABTS and Self-Decay of Ferrate(VI): Kinetics and Mechanisms. <i>Environmental Science &amp; Technology</i> , 2014, 48, 5154-5162.	10.0	248
120	Sunlight-induced transformation of sulfadiazine and sulfamethoxazole in surface waters and wastewater effluents. <i>Water Research</i> , 2014, 57, 183-192.	11.3	121
121	Column studies to assess the effects of climate variables on redox processes during riverbank filtration. <i>Water Research</i> , 2014, 61, 263-275.	11.3	32
122	Emerging risks from ballast water treatment: The run-up to the International Ballast Water Management Convention. <i>Chemosphere</i> , 2014, 112, 256-266.	8.2	108
123	Enhanced Chlorine Dioxide Decay in the Presence of Metal Oxides: Relevance to Drinking Water Distribution Systems. <i>Environmental Science &amp; Technology</i> , 2013, 47, 130719133951006.	10.0	9
124	Elimination of Micropollutants during Post-Treatment of Hospital Wastewater with Powdered Activated Carbon, Ozone, and UV. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7899-7908.	10.0	309
125	Analysis of N-nitrosamines and other nitro(so) compounds in water by high-performance liquid chromatography with post-column UV photolysis/Griess reaction. <i>Water Research</i> , 2013, 47, 4893-4903.	11.3	40
126	Chemical Oxidation of Dissolved Organic Matter by Chlorine Dioxide, Chlorine, And Ozone: Effects on Its Optical and Antioxidant Properties. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11147-11156.	10.0	244



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127	Quantification and characterization of dissolved organic nitrogen in wastewater effluents by electro dialysis treatment followed by size-exclusion chromatography with nitrogen detection. <i>Water Research</i> , 2013, 47, 5381-5391.	11.3	46
128	Enhanced N-nitrosamine formation in pool water by UV irradiation of chlorinated secondary amines in the presence of monochloramine. <i>Water Research</i> , 2013, 47, 79-90.	11.3	97
129	Formation of N-nitrosamines from chlorination and chloramination of molecular weight fractions of natural organic matter. <i>Water Research</i> , 2013, 47, 535-546.	11.3	80
130	NOM degradation during river infiltration: Effects of the climate variables temperature and discharge. <i>Water Research</i> , 2013, 47, 6585-6595.	11.3	39
131	Ozonation of iodide-containing waters: Selective oxidation of iodide to iodate with simultaneous minimization of bromate and I-THMs. <i>Water Research</i> , 2013, 47, 1953-1960.	11.3	93
132	Process Control For Ozonation Systems: A Novel Real-Time Approach. <i>Ozone: Science and Engineering</i> , 2013, 35, 168-185.	2.5	35
133	Prediction of Micropollutant Elimination during Ozonation of Municipal Wastewater Effluents: Use of Kinetic and Water Specific Information. <i>Environmental Science &amp; Technology</i> , 2013, 47, 5872-5881.	10.0	355
134	Chlorination of bromide-containing waters: Enhanced bromate formation in the presence of synthetic metal oxides and deposits formed in drinking water distribution systems. <i>Water Research</i> , 2013, 47, 5307-5315.	11.3	41
135	Oxidation of Manganese(II) during Chlorination: Role of Bromide. <i>Environmental Science &amp; Technology</i> , 2013, 47, 8716-8723.	10.0	60
136	Chemistry of Ozone in Water and Wastewater Treatment: From Basic Principles to Applications. , 2012, , .		236
137	Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. <i>Water Research</i> , 2012, 46, 6257-6272.	11.3	175
138	Quantitative structure-activity relationships (QSARs) for the transformation of organic micropollutants during oxidative water treatment. <i>Water Research</i> , 2012, 46, 6177-6195.	11.3	305
139	Kinetic and Mechanistic Investigations of the Oxidation of Tramadol by Ferrate and Ozone. <i>Environmental Science &amp; Technology</i> , 2012, 46, 876-884.	10.0	129
140	Trade-Offs in Disinfection Byproduct Formation Associated with Precursor Preoxidation for Control of N-Nitrosodimethylamine Formation. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4809-4818.	10.0	152
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