

Urs von Gunten

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

257
papers

31,597
citations

89
h-index

174
g-index

263
ext. papers

35,967
ext. citations

10.3
avg, IF

7.85
L-index

#	Paper	IF	Citations
257	Photochemical oxidation of phenols and anilines mediated by phenoxyl radicals in aqueous solution.. <i>Water Research</i> , 2022 , 213, 118095	12.5	2
256	Ozonation of organic compounds in water and wastewater: A critical review.. <i>Water Research</i> , 2022 , 213, 118053	12.5	9
255	Iodide sources in the aquatic environment and its fate during oxidative water treatment - A critical review.. <i>Water Research</i> , 2022 , 217, 118417	12.5	1
254	Inputs of disinfection by-products to the marine environment from various industrial activities: Comparison to natural production.. <i>Water Research</i> , 2022 , 217, 118383	12.5	1
253	Ozone disinfection of waterborne pathogens and their surrogates: A critical review.. <i>Water Research</i> , 2022 , 214, 118206	12.5	3
252	Effect of cetyltrimethylammonium chloride on various Escherichia coli strains and their inactivation kinetics by ozone and monochloramine.. <i>Water Research</i> , 2022 , 216, 118278	12.5	0
251	Kinetic and mechanistic understanding of chlorite oxidation during chlorination: Optimization of ClO ₂ pre-oxidation for disinfection byproduct control. <i>Water Research</i> , 2022 , 118515	12.5	0
250	Nanoplastics Removal During Drinking Water Treatment: Laboratory- and Pilot-scale Experiments and Modeling. <i>Journal of Hazardous Materials</i> , 2022 , 129011	12.8	1
249	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> , 2021 , 209, 117864	12.5	2
248	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> , 2021 , 209, 117858	12.5	2
247	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	12.5	4
246	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	12.5	6
245	Reaction of DMS and HOBr as a Sink for Marine DMS and an Inhibitor of Bromoform Formation. <i>Environmental Science & Technology</i> , 2021 , 55, 5547-5558	10.3	0
244	Micropollutants as internal probe compounds to assess UV fluence and hydroxyl radical exposure in UV/HO treatment. <i>Water Research</i> , 2021 , 195, 116940	12.5	3
243	Enhanced transformation of aquatic organic compounds by long-lived photooxidants (LLPO) produced from dissolved organic matter. <i>Water Research</i> , 2021 , 190, 116707	12.5	4
242	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	4.2	9
241	Enhanced Treatment of Municipal Wastewater Effluents by Fe-TAML/HO: Efficiency of Micropollutant Abatement. <i>Environmental Science & Technology</i> , 2021 , 55, 3313-3321	10.3	9

240	Reactions of μ Unsaturated Carbonyls with Free Chlorine, Free Bromine, and Combined Chlorine. <i>Environmental Science & Technology</i> , 2021 , 55, 3305-3312	10.3	4
239	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	12.5	11
238	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	12.5	4
237	Chlorothalonil transformation products in drinking water resources: Widespread and challenging to abate. <i>Water Research</i> , 2020 , 183, 116066	12.5	11
236	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	4.2	9
235	Generation of hydroxyl radical during chlorination of hydroxyphenols and natural organic matter extracts. <i>Water Research</i> , 2020 , 177, 115691	12.5	16
234	Persulfate-Based Advanced Oxidation: Critical Assessment of Opportunities and Roadblocks. <i>Environmental Science & Technology</i> , 2020 , 54, 3064-3081	10.3	605
233	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	4.2	11
232	Mixture effects of drinking water disinfection by-products: implications for risk assessment. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 2341-2351	4.2	20
231	Kinetics of the reaction between hydrogen peroxide and aqueous iodine: Implications for technical and natural aquatic systems. <i>Water Research</i> , 2020 , 179, 115852	12.5	11
230	Reactions of pyrrole, imidazole, and pyrazole with ozone: kinetics and mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 976-992	4.2	8
229	Chlorination of Phenols Revisited: Unexpected Formation of μ Unsaturated C-Dicarbonyl Ring Cleavage Products. <i>Environmental Science & Technology</i> , 2020 , 54, 826-834	10.3	27
228	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	12.5	14
227	Chlorination and bromination of olefins: Kinetic and mechanistic aspects. <i>Water Research</i> , 2020 , 187, 116424	12.5	6
226	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	4.2	6
225	Quenching of an Aniline Radical Cation by Dissolved Organic Matter and Phenols: A Laser Flash Photolysis Study. <i>Environmental Science & Technology</i> , 2020 , 54, 15057-15065	10.3	9
224	Molecular-Level Transformation of Dissolved Organic Matter during Oxidation by Ozone and Hydroxyl Radical. <i>Environmental Science & Technology</i> , 2020 , 54, 10351-10360	10.3	25
223	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	12.5	15

222	Surface water treatment by UV/H ₂ O ₂ with subsequent soil aquifer treatment: impact on micropollutants, dissolved organic matter and biological activity. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 1709-1722	4.2	7
221	Proxies to monitor the inactivation of viruses by ozone in surface water and wastewater effluent. <i>Water Research</i> , 2019 , 166, 115088	12.5	16
220	Enhanced transformation of sulfonamide antibiotics by manganese(IV) oxide in the presence of model humic constituents. <i>Water Research</i> , 2019 , 153, 200-207	12.5	33
219	Laser flash photolysis study of the photoinduced oxidation of 4-(dimethylamino)benzointrile (DMABN). <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 534-545	4.2	9
218	Differences in Viral Disinfection Mechanisms as Revealed by Quantitative Transfection of Echovirus 11 Genomes. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	27
217	Effects of Ozone on the Photochemical and Photophysical Properties of Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2019 , 53, 5622-5632	10.3	26
216	Micropollutant Oxidation Studied by Quantum Chemical Computations: Methodology and Applications to Thermodynamics, Kinetics, and Reaction Mechanisms. <i>Accounts of Chemical Research</i> , 2019 , 52, 605-614	24.3	26
215	Reactions of aliphatic amines with ozone: Kinetics and mechanisms. <i>Water Research</i> , 2019 , 157, 514-528	12.5	41
214	Kinetic and mechanistic aspects of selenite oxidation by chlorine, bromine, monochloramine, ozone, permanganate, and hydrogen peroxide. <i>Water Research</i> , 2019 , 164, 114876	12.5	10
213	Hypobromous Acid as an Unaccounted Sink for Marine Dimethyl Sulfide?. <i>Environmental Science & Technology</i> , 2019 , 53, 13146-13157	10.3	7
212	A Tale of Two Treatments: The Multiple Barrier Approach to Removing Chemical Contaminants During Potable Water Reuse. <i>Accounts of Chemical Research</i> , 2019 , 52, 615-622	24.3	64
211	Oxidation Processes in Water Treatment: Are We on Track?. <i>Environmental Science & Technology</i> , 2018 , 52, 5062-5075	10.3	262
210	Ozonation of municipal wastewater effluent containing metal sulfides and metal complexes: Kinetics and mechanisms. <i>Water Research</i> , 2018 , 134, 170-180	12.5	24
209	Kinetics of Inactivation of Waterborne Enteric Viruses by Ozone. <i>Environmental Science & Technology</i> , 2018 , 52, 2170-2177	10.3	51
208	Ozonation of Para-Substituted Phenolic Compounds Yields p-Benzoquinones, Other Cyclic Unsaturated Ketones, and Substituted Catechols. <i>Environmental Science & Technology</i> , 2018 , 52, 4763-4773	10.3	58
207	Specific and total N-nitrosamines formation potentials of nitrogenous micropollutants during chloramination. <i>Water Research</i> , 2018 , 135, 311-321	12.5	20
206	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. <i>Water Research</i> , 2018 , 129, 486-498	12.5	258
205	Formation of brominated trihalomethanes during chlorination or ozonation of natural organic matter extracts and model compounds in saline water. <i>Water Research</i> , 2018 , 143, 492-502	12.5	21

204	Impact of Combined Chlorination and Chloramination Conditions on N-Nitrosodimethylamine Formation. <i>Journal - American Water Works Association</i> , 2018 , 110, 11-24	0.5	8
203	Formation of N-nitrosamines by micelle-catalysed nitrosation of aliphatic secondary amines. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1479-1487	4.3	4
202	Behavior of NDMA precursors at 21 full-scale water treatment facilities. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 1966-1978	4.2	12
201	In Situ Formation of Free Chlorine During CLO Treatment: Implications on the Formation of Disinfection Byproducts. <i>Environmental Science & Technology</i> , 2018 , 52, 13421-13429	10.3	34
200	Fate of Cr(III) during Ozonation of Secondary Municipal Wastewater Effluent. <i>Ozone: Science and Engineering</i> , 2018 , 40, 441-447	2.4	4
199	Non-target screening to trace ozonation transformation products in a wastewater treatment train including different post-treatments. <i>Water Research</i> , 2018 , 142, 267-278	12.5	58
198	Reactions of Ferrate(VI) with Iodide and Hypoiodous Acid: Kinetics, Pathways, and Implications for the Fate of Iodine during Water Treatment. <i>Environmental Science & Technology</i> , 2018 , 52, 7458-7467	10.3	51
197	Ozone and chlorine reactions with dissolved organic matter - Assessment of oxidant-reactive moieties by optical measurements and the electron donating capacities. <i>Water Research</i> , 2018 , 144, 64-75	12.5	43
196	Two analytical approaches quantifying the electron donating capacities of dissolved organic matter to monitor its oxidation during chlorination and ozonation. <i>Water Research</i> , 2018 , 144, 677-689	12.5	29
195	A computer-based prediction platform for the reaction of ozone with organic compounds in aqueous solution: kinetics and mechanisms. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 465-476	4.3	22
194	Options and limitations for bromate control during ozonation of wastewater. <i>Water Research</i> , 2017 , 116, 76-85	12.5	72
193	Effect of operational and water quality parameters on conventional ozonation and the advanced oxidation process O/HO: Kinetics of micropollutant abatement, transformation product and bromate formation in a surface water. <i>Water Research</i> , 2017 , 122, 234-245	12.5	100
192	Reactions of hypoiodous acid with model compounds and the formation of iodoform in absence/presence of permanganate. <i>Water Research</i> , 2017 , 119, 126-135	12.5	28
191	Abatement of Polychoro-1,3-butadienes in Aqueous Solution by Ozone, UV Photolysis, and Advanced Oxidation Processes (O/HO and UV/HO). <i>Environmental Science & Technology</i> , 2017 , 51, 497-505	10.3	28
190	Comparison of methylisoborneol and geosmin abatement in surface water by conventional ozonation and an electro-peroxone process. <i>Water Research</i> , 2017 , 108, 373-382	12.5	66
189	UV/HO advanced oxidation for abatement of organophosphorous pesticides and the effects on various toxicity screening assays. <i>Chemosphere</i> , 2017 , 182, 477-482	8.4	25
188	Nitrate formation during ozonation as a surrogate parameter for abatement of micropollutants and the N-nitrosodimethylamine (NDMA) formation potential. <i>Water Research</i> , 2017 , 122, 246-257	12.5	23
187	MEMBRO3X, a Novel Combination of a Membrane Contactor with Advanced Oxidation (O3/H2O2) for Simultaneous Micropollutant Abatement and Bromate Minimization. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 180-185	11	24

186	Mechanistic Aspects of the Formation of Adsorbable Organic Bromine during Chlorination of Bromide-containing Synthetic Waters. <i>Environmental Science & Technology</i> , 2017 , 51, 5146-5155	10.3	51
185	Formation and reactivity of inorganic and organic chloramines and bromamines during oxidative water treatment. <i>Water Research</i> , 2017 , 110, 91-101	12.5	78
184	Quantification of Total N-Nitrosamine Concentrations in Aqueous Samples via UV-Photolysis and Chemiluminescence Detection of Nitric Oxide. <i>Analytical Chemistry</i> , 2017 , 89, 1574-1582	7.8	22
183	Carbon, Hydrogen, and Nitrogen Isotope Fractionation Trends in N-Nitrosodimethylamine Reflect the Formation Pathway during Chloramination of Tertiary Amines. <i>Environmental Science & Technology</i> , 2017 , 51, 13170-13179	10.3	7
182	Kinetics and mechanisms of nitrate and ammonium formation during ozonation of dissolved organic nitrogen. <i>Water Research</i> , 2017 , 108, 451-461	12.5	46
181	Formation of N-Nitrosodimethylamine during Chloramination of Secondary and Tertiary Amines: Role of Molecular Oxygen and Radical Intermediates. <i>Environmental Science & Technology</i> , 2017 , 51, 280-290	10.3	45
180	Probing the Photosensitizing and Inhibitory Effects of Dissolved Organic Matter by Using N,N-dimethyl-4-cyanoaniline (DMABN). <i>Environmental Science & Technology</i> , 2016 , 50, 10997-11007	10.3	35
179	An American in Zurich: Jerry Schnoor as an Ambassador for U.S. Environmental Science and Engineering. <i>Environmental Science & Technology</i> , 2016 , 50, 6597-8	10.3	
178	Inactivation of Antibiotic Resistant Bacteria and Resistance Genes by Ozone: From Laboratory Experiments to Full-Scale Wastewater Treatment. <i>Environmental Science & Technology</i> , 2016 , 50, 11862-11871	10.3	123
177	Inactivation efficiency of Escherichia coli 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	12.5	49
176	Fingerprinting the reactive toxicity pathways of 50 drinking water disinfection by-products. <i>Water Research</i> , 2016 , 91, 19-30	12.5	102
175	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	12.5	31
174	Oxidation of cetirizine, fexofenadine and hydrochlorothiazide during ozonation: Kinetics and formation of transformation products. <i>Water Research</i> , 2016 , 94, 350-362	12.5	59
173	How do you like your tap water?. <i>Science</i> , 2016 , 351, 912-4	33.3	88
172	Organic Contaminant Abatement in Reclaimed Water by UV/H ₂ O ₂ and a Combined Process Consisting of O ₃ /H ₂ O ₂ Followed by UV/H ₂ O ₂ : Prediction of Abatement Efficiency, Energy Consumption, and Byproduct Formation. <i>Environmental Science & Technology</i> , 2016 , 50, 3809-19	10.3	102
171	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	4.2	103
170	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	4.2	13
169	Kinetic and Mechanistic Aspects of the Reactions of Iodide and Hypoiodous Acid with Permanganate: Oxidation and Disproportionation. <i>Environmental Science & Technology</i> , 2016 , 50, 4358-65	10.3	35

168	Sample Enrichment for Bioanalytical Assessment of Disinfected Drinking Water: Concentrating the Polar, the Volatiles, and the Unknowns. <i>Environmental Science & Technology</i> , 2016 , 50, 6495-505	10.3	42
167	Emerging investigators series: prediction of trace organic contaminant abatement with UV/H ₂ O ₂ : development and validation of semi-empirical models for municipal wastewater effluents. <i>Environmental Science: Water Research and Technology</i> , 2016 , 2, 460-473	4.2	20
166	Bromide Sources and Loads in Swiss Surface Waters and Their Relevance for Bromate Formation during Wastewater Ozonation. <i>Environmental Science & Technology</i> , 2016 , 50, 9825-34	10.3	88
165	Halide removal from aqueous solution by novel silver-polymeric materials. <i>Science of the Total Environment</i> , 2016 , 573, 1125-1131	10.2	14
164	Determinants of disinfectant pretreatment efficacy for nitrosamine control in chloraminated drinking water. <i>Water Research</i> , 2015 , 84, 161-70	12.5	38
163	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	4.2	58
162	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, 388-97	12.5	72
161	Photosensitizing and Inhibitory Effects of Ozonated Dissolved Organic Matter on Triplet-Induced Contaminant Transformation. <i>Environmental Science & Technology</i> , 2015 , 49, 8541-9	10.3	59
160	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 & Technology</i> , 2015 , 49, 9925-35	10.3	60
159	Trichloramine reactions with nitrogenous and carbonaceous compounds: kinetics, products and chloroform formation. <i>Water Research</i> , 2015 , 71, 318-29	12.5	14
158	Novel test procedure to evaluate the treatability of wastewater with ozone. <i>Water Research</i> , 2015 , 75, 324-35	12.5	72
157	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	4.2	47
156	Molecular mechanism of NDMA formation from N,N-dimethylsulfamide during ozonation: quantum chemical insights into a bromide-catalyzed pathway. <i>Environmental Science & Technology</i> , 2015 , 49, 4163-75	10.3	40
155	Effect of Ozone Treatment on Nano-Sized Silver Sulfide in Wastewater Effluent. <i>Environmental Science & Technology</i> , 2015 , 49, 10911-9	10.3	33
154	Mechanistic Study on the Formation of Cl-/Br-/I-Trihalomethanes during Chlorination/Chloramination Combined with a Theoretical Cytotoxicity Evaluation. <i>Environmental Science & Technology</i> , 2015 , 49, 11105-14	10.3	100
153	Reaction of bromine and chlorine with phenolic compounds and natural organic matter extracts--Electrophilic aromatic substitution and oxidation. <i>Water Research</i> , 2015 , 85, 476-86	12.5	173
152	Evaluation of the persistence of transformation products from ozonation of trace organic compounds - a critical review. <i>Water Research</i> , 2015 , 68, 150-70	12.5	133
151	Degradation rates of benzotriazoles and benzothiazoles under UV-C irradiation and the advanced oxidation process UV/H ₂ O ₂ . <i>Water Research</i> , 2015 , 74, 143-54	12.5	82

150	Compound-specific carbon, nitrogen, and hydrogen isotope analysis of N-nitrosodimethylamine in aqueous solutions. <i>Analytical Chemistry</i> , 2015 , 87, 2916-24	7.8	21
149	Peracetic acid oxidation of saline waters in the absence and presence of H ₂ O ₂ as secondary oxidant and disinfection byproduct formation. <i>Environmental Science & Technology</i> , 2015 , 49, 1698-705	10.3	49
148	Photolysis of inorganic chloramines and efficiency of trichloramine abatement by UV treatment of swimming pool water. <i>Water Research</i> , 2014 , 56, 280-91	12.5	41
147	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	12.5	304
146	Chlorination of iodide-containing waters in the presence of CuO: formation of periodate. <i>Environmental Science & Technology</i> , 2014 , 48, 13173-80	10.3	20
145	Prediction of micropollutant elimination during ozonation of a hospital wastewater effluent. <i>Water Research</i> , 2014 , 64, 134-148	12.5	158
144	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, 258-68	12.5	15
143	Development of mutagenicity during degradation of N-nitrosamines by advanced oxidation processes. <i>Water Research</i> , 2014 , 66, 399-410	12.5	34
142	Reaction of ferrate(VI) with ABTS and self-decay of ferrate(VI): kinetics and mechanisms. <i>Environmental Science & Technology</i> , 2014 , 48, 5154-62	10.3	163
141	Sunlight-induced transformation of sulfadiazine and sulfamethoxazole in surface waters and wastewater effluents. <i>Water Research</i> , 2014 , 57, 183-92	12.5	94
140	Column studies to assess the effects of climate variables on redox processes during riverbank filtration. <i>Water Research</i> , 2014 , 61, 263-75	12.5	22
139	Emerging risks from ballast water treatment: the run-up to the International Ballast Water Management Convention. <i>Chemosphere</i> , 2014 , 112, 256-66	8.4	93
138	Enhanced chlorine dioxide decay in the presence of metal oxides: relevance to drinking water distribution systems. <i>Environmental Science & Technology</i> , 2013 , 47, 8365-72	10.3	8
137	Elimination of micropollutants during post-treatment of hospital wastewater with powdered activated carbon, ozone, and UV. <i>Environmental Science & Technology</i> , 2013 , 47, 7899-908	10.3	241
136	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, 4893-903	12.5	34
135	Chemical oxidation of dissolved organic matter by chlorine dioxide, chlorine, and ozone: effects on its optical and antioxidant properties. <i>Environmental Science & Technology</i> , 2013 , 47, 11147-56	10.3	179
134	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, 5381-91	12.5	37
133	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	12.5	77

132	Formation of N-nitrosamines from chlorination and chloramination of molecular weight fractions of natural organic matter. <i>Water Research</i> , 2013 , 47, 535-46	12.5	63
131	NOM degradation during river infiltration: effects of the climate variables temperature and discharge. <i>Water Research</i> , 2013 , 47, 6585-95	12.5	31
130	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, 1953-60	12.5	81
129	Process Control For Ozonation Systems: A Novel Real-Time Approach. <i>Ozone: Science and Engineering</i> , 2013 , 35, 168-185	2.4	28
128	Prediction of micropollutant elimination during ozonation of municipal wastewater effluents: use of kinetic and water specific information. <i>Environmental Science & Technology</i> , 2013 , 47, 5872-81	10.3	278
127	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, 5307-15	12.5	36
126	Oxidation of manganese(II) during chlorination: role of bromide. <i>Environmental Science & Technology</i> , 2013 , 47, 8716-23	10.3	42
125	Removal of the antiviral agent oseltamivir and its biological activity by oxidative processes. <i>Environmental Pollution</i> , 2012 , 161, 30-5	9.3	33
124	Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. <i>Water Research</i> , 2012 , 46, 6257-72	12.5	147
123	Quantitative structure-activity relationships (QSARs) for the transformation of organic micropollutants during oxidative water treatment. <i>Water Research</i> , 2012 , 46, 6177-95	12.5	228
122	Kinetic and mechanistic investigations of the oxidation of tramadol by ferrate and ozone. <i>Environmental Science & Technology</i> , 2012 , 46, 876-84	10.3	109
121	Trade-offs in disinfection byproduct formation associated with precursor preoxidation for control of N-nitrosodimethylamine formation. <i>Environmental Science & Technology</i> , 2012 , 46, 4809-18	10.3	130
120	Enhanced bromate formation during chlorination of bromide-containing waters in the presence of CuO: catalytic disproportionation of hypobromous acid. <i>Environmental Science & Technology</i> , 2012 , 46, 11054-61	10.3	58
119	Iodate and iodo-trihalomethane formation during chlorination of iodide-containing waters: role of bromide. <i>Environmental Science & Technology</i> , 2012 , 46, 7350-7	10.3	100
118	Chemistry of Ozone in Water and Wastewater Treatment: From Basic Principles to Applications 2012 ,		162
117	Evolution of algal toxicity during (photo)oxidative degradation of diuron. <i>Aquatic Toxicology</i> , 2011 , 101, 466-73	5.1	39
116	Kinetic assessment and modeling of an ozonation step for full-scale municipal wastewater treatment: micropollutant oxidation, by-product formation and disinfection. <i>Water Research</i> , 2011 , 45, 605-17	12.5	221
115	Kinetics of membrane damage to high (HNA) and low (LNA) nucleic acid bacterial clusters in drinking water by ozone, chlorine, chlorine dioxide, monochloramine, ferrate(VI), and permanganate. <i>Water Research</i> , 2011 , 45, 1490-500	12.5	133

114	Formation of assimilable organic carbon during oxidation of natural waters with ozone, chlorine dioxide, chlorine, permanganate, and ferrate. <i>Water Research</i> , 2011 , 45, 2002-10	12.5	96
113	Efficiency and energy requirements for the transformation of organic micropollutants by ozone, O ₃ /H ₂ O ₂ and UV/H ₂ O ₂ . <i>Water Research</i> , 2011 , 45, 3811-22	12.5	244
112	Characterization of natural organic matter adsorption in granular activated carbon adsorbers. <i>Water Research</i> , 2011 , 45, 3951-9	12.5	158
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