# Urs von Gunten

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/886607/publications.pdf

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| 260 | 40,942 | 2696 98 | 2896 196 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 263 | 263 | 263 | 23833 |
|---|---|---|---|
| all docs | docs citations | times ranked | 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. Water Research, 2022, 209, 117864. | 5.3 | 15 |
| 2 | Application of UV absorbance and electron-donating capacity as surrogates for micropollutant abatement during full-scale ozonation of secondary-treated wastewater. Water Research, 2022, 209, 117858. | 5.3 | 15 |
| 3 | Photochemical oxidation of phenols and anilines mediated by phenoxyl radicals in aqueous solution. Water Research, 2022, 213, 118095. | 5.3 | 16 |
| 4 | Ozonation of organic compounds in water and wastewater: A critical review. Water Research, 2022, 213, 118053. | 5.3 | 193 |
| 5 | Iodide sources in the aquatic environment and its fate during oxidative water treatment â€“ A critical review. Water Research, 2022, 217, 118417. | 5.3 | 27 |
| 6 | Inputs of disinfection by-products to the marine environment from various industrial activities: Comparison to natural production. Water Research, 2022, 217, 118383. | 5.3 | 18 |
| 7 | Ozone disinfection of waterborne pathogens and their surrogates: A critical review. Water Research, 2022, 214, 118206. | 5.3 | 55 |
| 8 | Effect of cetyltrimethylammonium chloride on various Escherichia coli strains and their inactivation kinetics by ozone and monochloramine. Water Research, 2022, 216, 118278. | 5.3 | 3 |
| 9 | Kinetic and mechanistic understanding of chlorite oxidation during chlorination: Optimization of ClO2 pre-oxidation for disinfection byproduct control. Water Research, 2022, 220, 118515. | 5.3 | 3 |
| 10 | Nanoplastics removal during drinking water treatment: Laboratory- and pilot-scale experiments and modeling. Journal of Hazardous Materials, 2022, 436, 129011. | 6.5 | 27 |
| 11 | Enhanced transformation of aquatic organic compounds by long-lived photooxidants (LLPO) produced from dissolved organic matter. Water Research, 2021, 190, 116707. | 5.3 | 24 |
| 12 | Optical properties and photochemical production of hydroxyl radical and singlet oxygen after ozonation of dissolved organic matter. Environmental Science: Water Research and Technology, 2021, 7, 346-356. | 1.2 | 13 |
| 13 | Enhanced Treatment of Municipal Wastewater Effluents by Fe-TAML/H<sub>2</sub>O<sub>2</sub>: Efficiency of Micropollutant Abatement. Environmental Science & Technology, 2021, 55, 3313-3321. | 4.6 | 26 |
| 14 | Reactions of Î±,Î²-Unsaturated Carbonyls with Free Chlorine, Free Bromine, and Combined Chlorine. Environmental Science & Technology, 2021, 55, 3305-3312. | 4.6 | 16 |
| 15 | Reaction of DMS and HOBr as a Sink for Marine DMS and an Inhibitor of Bromoform Formation. Environmental Science & Technology, 2021, 55, 5547-5558. | 4.6 | 7 |
| 16 | Micropollutants as internal probe compounds to assess UV fluence and hydroxyl radical exposure in UV/H2O2 treatment. Water Research, 2021, 195, 116940. | 5.3 | 12 |
| 17 | Formation of transformation products during ozonation of secondary wastewater effluent and their fate in post-treatment: From laboratory- to full-scale. Water Research, 2021, 200, 117200. | 5.3 | 39 |
| 18 | Permanganate Reduction by Hydrogen Peroxide: Formation of Reactive Manganese Species and Superoxide and Enhanced Micropollutant Abatement. ACS ES&T Engineering, 2021, 1, 1410-1419. | 3.7 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Toxic effects of substituted p-benzoquinones and hydroquinones in in vitro bioassays are altered by reactions with the cell assay medium. Water Research, 2021, 202, 117415. | 5.3 | 15 |
| 20 | Oxidant-reactive carbonous moieties in dissolved organic matter: Selective quantification by oxidative titration using chlorine dioxide and ozone. Water Research, 2021, 207, 117790. | 5.3 | 23 |
| 21 | Oxidation of 51 micropollutants during drinking water ozonation: Formation of transformation products and their fate during biological post-filtration. Water Research, 2021, 207, 117812. | 5.3 | 36 |
| 22 | Chlorination of Phenols Revisited: Unexpected Formation of Î±,Î²-Unsaturated C<sub>4</sub>-Dicarbonyl Ring Cleavage Products. Environmental Science & Technology, 2020, 54, 826-834. | 4.6 | 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. Water Research, 2020, 187, 116418. | 5.3 | 29 |
| 24 | Chlorination and bromination of olefins: Kinetic and mechanistic aspects. Water Research, 2020, 187, 116424. | 5.3 | 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. Environmental Science: Water Research and Technology, 2020, 6, 2742-2751. | 1.2 | 9 |
| 26 | Quenching of an Aniline Radical Cation by Dissolved Organic Matter and Phenols: A Laser Flash Photolysis Study. Environmental Science & Technology, 2020, 54, 15057-15065. | 4.6 | 29 |
| 27 | Molecular-Level Transformation of Dissolved Organic Matter during Oxidation by Ozone and Hydroxyl Radical. Environmental Science & Technology, 2020, 54, 10351-10360. | 4.6 | 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. Water Research, 2020, 185, 116235. | 5.3 | 44 |
| 29 | Themed issue on drinking water oxidation and disinfection processes. Environmental Science: Water Research and Technology, 2020, 6, 2252-2256. | 1.2 | 3 |
| 30 | Chlorothalonil transformation products in drinking water resources: Widespread and challenging to abate. Water Research, 2020, 183, 116066. | 5.3 | 27 |
| 31 | Comparison of the impact of ozone, chlorine dioxide, ferrate and permanganate pre-oxidation on organic disinfection byproduct formation during post-chlorination. Environmental Science: Water Research and Technology, 2020, 6, 2382-2395. | 1.2 | 16 |
| 32 | Generation of hydroxyl radical during chlorination of hydroxyphenols and natural organic matter extracts. Water Research, 2020, 177, 115691. | 5.3 | 39 |
| 33 | Persulfate-Based Advanced Oxidation: Critical Assessment of Opportunities and Roadblocks. Environmental Science & Technology, 2020, 54, 3064-3081. | 4.6 | 1,779 |
| 34 | Adaptation of Pseudomonas aeruginosa to constant sub-inhibitory concentrations of quaternary ammonium compounds. Environmental Science: Water Research and Technology, 2020, 6, 1139-1152. | 1.2 | 18 |
| 35 | Mixture effects of drinking water disinfection by-products: implications for risk assessment. Environmental Science: Water Research and Technology, 2020, 6, 2341-2351. | 1.2 | 43 |
| 36 | Kinetics of the reaction between hydrogen peroxide and aqueous iodine: Implications for technical and natural aquatic systems. Water Research, 2020, 179, 115852. | 5.3 | 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. | 1.2 | 20 |
| 38 | Kinetic and mechanistic aspects of selenite oxidation by chlorine, bromine, monochloramine, ozone, permanganate, and hydrogen peroxide. Water Research, 2019, 164, 114876. | 5.3 | 16 |
| 39 | Hypobromous Acid as an Unaccounted Sink for Marine Dimethyl Sulfide?. Environmental Science & Technology, 2019, 53, 13146-13157. | 4.6 | 10 |
| 40 | Surface water treatment by UV/H2O2with subsequent soil aquifer treatment: impact on micropollutants, dissolved organic matter and biological activity. Environmental Science: Water Research and Technology, 2019, 5, 1709-1722. | 1.2 | 9 |
| 41 | Proxies to monitor the inactivation of viruses by ozone in surface water and wastewater effluent. Water Research, 2019, 166, 115088. | 5.3 | 26 |
| 42 | Enhanced transformation of sulfonamide antibiotics by manganese(IV) oxide in the presence of model humic constituents. Water Research, 2019, 153, 200-207. | 5.3 | 57 |
| 43 | Laser flash photolysis study of the photoinduced oxidation of 4-(dimethylamino)benzonitrile (DMABN). Photochemical and Photobiological Sciences, 2019, 18, 534-545. | 1.6 | 12 |
| 44 | Differences in Viral Disinfection Mechanisms as Revealed by Quantitative Transfection of Echovirus 11 Genomes. Applied and Environmental Microbiology, 2019, 85, . | 1.4 | 39 |
| 45 | Effects of Ozone on the Photochemical and Photophysical Properties of Dissolved Organic Matter. Environmental Science & Technology, 2019, 53, 5622-5632. | 4.6 | 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. | 7.6 | 50 |
| 47 | Reactions of aliphatic amines with ozone: Kinetics and mechanisms. Water Research, 2019, 157, 514-528. | 5.3 | 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. | 7.6 | 112 |
| 49 | Oxidation Processes in Water Treatment: Are We on Track?. Environmental Science & Technology, 2018, 52, 5062-5075. | 4.6 | 452 |
| 50 | Ozonation of municipal wastewater effluent containing metal sulfides and metal complexes: Kinetics and mechanisms. Water Research, 2018, 134, 170-180. | 5.3 | 35 |
| 51 | Kinetics of Inactivation of Waterborne Enteric Viruses by Ozone. Environmental Science & Technology, 2018, 52, 2170-2177. | 4.6 | 84 |
| 52 | Ozonation of Para-Substituted Phenolic Compounds Yields p-Benzoquinones, Other Cyclic Î±,Î²-Unsaturated Ketones, and Substituted Catechols. Environmental Science & Technology, 2018, 52, 4763-4773. | 4.6 | 91 |
| 53 | Specific and total N-nitrosamines formation potentials of nitrogenous micropollutants during chloramination. Water Research, 2018, 135, 311-321. | 5.3 | 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. | 5.3 | 361 |

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|---|---|---|---|
| 55 | Impact of Combined Chlorination and Chloramination Conditions on Nâ€Nitrosodimethylamine Formation. Journal - American Water Works Association, 2018, 110, 11-24. | 0.2 | 10 |
| 56 | Formation of N-nitrosamines by micelle-catalysed nitrosation of aliphatic secondary amines. Environmental Sciences: Processes and Impacts, 2018, 20, 1479-1487. | 1.7 | 6 |
| 57 | Behavior of NDMA precursors at 21 full-scale water treatment facilities. Environmental Science: Water Research and Technology, 2018, 4, 1966-1978. | 1.2 | 13 |
| 58 | In Situ Formation of Free Chlorine During ClO<sub>2</sub>Treatment: Implications on the Formation of Disinfection Byproducts. Environmental Science & Technology, 2018, 52, 13421-13429. | 4.6 | 66 |
| 59 | Fate of Cr(III) during Ozonation of Secondary Municipal Wastewater Effluent. Ozone: Science and Engineering, 2018, 40, 441-447. | 1.4 | 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. | 5.3 | 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. | 4.6 | 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. | 5.3 | 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. | 5.3 | 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. | 5.3 | 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. | 1.7 | 35 |
| 66 | Options and limitations for bromate control during ozonation of wastewater. Water Research, 2017, 116, 76-85. | 5.3 | 105 |
| 67 | Effect of operational and water quality parameters on conventional ozonation and the advanced oxidation process O3/H2O2: Kinetics of micropollutant abatement, transformation product and bromate formation in a surface water. Water Research, 2017, 122, 234-245. | 5.3 | 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. | 5.3 | 35 |
| 69 | Abatement of Polychoro-1,3-butadienes in Aqueous Solution by Ozone, UV Photolysis, and Advanced Oxidation Processes (O<sub>3</sub>/H<sub>2</sub>O<sub>2</sub> and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 137 Td (UV/ | 4.6 | 37 |
| 70 | Comparison of methylisoborneol and geosmin abatement in surface water by conventional ozonation and an electro-peroxone process. Water Research, 2017, 108, 373-382. | 5.3 | 95 |
| 71 | UV/H2O2 advanced oxidation for abatement of organophosphorous pesticides and the effects on various toxicity screening assays. Chemosphere, 2017, 182, 477-482. | 4.2 | 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. | 5.3 | 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. Environmental Science and Technology Letters, 2017, 4, 180-185. | 3.9 | 43 |
| 74 | Mechanistic Aspects of the Formation of Adsorbable Organic Bromine during Chlorination of Bromide-containing Synthetic Waters. Environmental Science & Technology, 2017, 51, 5146-5155. | 4.6 | 71 |
| 75 | Formation and reactivity of inorganic and organic chloramines and bromamines during oxidative water treatment. Water Research, 2017, 110, 91-101. | 5.3 | 113 |
| 76 | Quantification of Total N-Nitrosamine Concentrations in Aqueous Samples via UV-Photolysis and Chemiluminescence Detection of Nitric Oxide. Analytical Chemistry, 2017, 89, 1574-1582. | 3.2 | 33 |
| 77 | Carbon, Hydrogen, and Nitrogen Isotope Fractionation Trends in N-Nitrosodimethylamine Reflect the Formation Pathway during Chloramination of Tertiary Amines. Environmental Science & Technology, 2017, 51, 13170-13179. | 4.6 | 16 |
| 78 | Kinetics and mechanisms of nitrate and ammonium formation during ozonation of dissolved organic nitrogen. Water Research, 2017, 108, 451-461. | 5.3 | 58 |
| 79 | Formation of N-Nitrosodimethylamine during Chloramination of Secondary and Tertiary Amines: Role of Molecular Oxygen and Radical Intermediates. Environmental Science & Technology, 2017, 51, 280-290. | 4.6 | 58 |
| 80 | Point-of-use water filters can effectively remove disinfection by-products and toxicity from chlorinated and chloraminated tap water. Environmental Science: Water Research and Technology, 2016, 2, 875-883. | 1.2 | 17 |
| 81 | Kinetic and Mechanistic Aspects of the Reactions of Iodide and Hypoiodous Acid with Permanganate: Oxidation and Disproportionation. Environmental Science & Technology, 2016, 50, 4358-4365. | 4.6 | 53 |
| 82 | Sample Enrichment for Bioanalytical Assessment of Disinfected Drinking Water: Concentrating the Polar, the Volatiles, and the Unknowns. Environmental Science & Technology, 2016, 50, 6495-6505. | 4.6 | 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. Environmental Science: Water Research and Technology, 2016, 2, 460-473. | 1.2 | 29 |
| 84 | Bromide Sources and Loads in Swiss Surface Waters and Their Relevance for Bromate Formation during Wastewater Ozonation. Environmental Science & Technology, 2016, 50, 9825-9834. | 4.6 | 127 |
| 85 | Halide removal from aqueous solution by novel silver-polymeric materials. Science of the Total Environment, 2016, 573, 1125-1131. | 3.9 | 18 |
| 86 | Probing the Photosensitizing and Inhibitory Effects of Dissolved Organic Matter by Using N,N-dimethyl-4-cyanoaniline (DMABN). Environmental Science & Technology, 2016, 50, 10997-11007. | 4.6 | 51 |
| 87 | An American in Zurich: Jerry Schnoor as an Ambassador for U.S. Environmental Science and Engineering. Environmental Science & Technology, 2016, 50, 6597-6598. | 4.6 | 0 |
| 88 | Inactivation of Antibiotic Resistant Bacteria and Resistance Genes by Ozone: From Laboratory Experiments to Full-Scale Wastewater Treatment. Environmental Science & Technology, 2016, 50, 11862-11871. | 4.6 | 175 |
| 89 | Inactivation efficiency of Escherichia coli and autochthonous bacteria during ozonation of municipal wastewater effluents quantified with flow cytometry and adenosine tri-phosphate analyses. Water Research, 2016, 101, 617-627. | 5.3 | 68 |
| 90 | Fingerprinting the reactive toxicity pathways of 50 drinking water disinfection by-products. Water Research, 2016, 91, 19-30. | 5.3 | 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. Water Research, 2016, 93, 110-120. | 5.3 | 43 |
| 92 | Oxidation of cetirizine, fexofenadine and hydrochlorothiazide during ozonation: Kinetics and formation of transformation products. Water Research, 2016, 94, 350-362. | 5.3 | 75 |
| 93 | How do you like your tap water?. Science, 2016, 351, 912-914. | 6.0 | 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. Environmental Science & Technology, 2016, 50, 3809-3819. | 4.6 | 146 |
| 95 | Advances in predicting organic contaminant abatement during ozonation of municipal wastewater effluent: reaction kinetics, transformation products, and changes of biological effects. Environmental Science: Water Research and Technology, 2016, 2, 421-442. | 1.2 | 131 |
| 96 | Catalytic processes and new materials and technologies in water/wastewater treatment. Water Research, 2015, 86, 1. | 5.3 | 7 |
| 97 | Degradation rates of benzotriazoles and benzothiazoles under UV-C irradiation and the advanced oxidation process UV/H2O2. Water Research, 2015, 74, 143-154. | 5.3 | 108 |
| 98 | Compound-Specific Carbon, Nitrogen, and Hydrogen Isotope Analysis of N-Nitrosodimethylamine in Aqueous Solutions. Analytical Chemistry, 2015, 87, 2916-2924. | 3.2 | 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. Environmental Science & Technology, 2015, 49, 1698-1705. | 4.6 | 91 |
| 100 | Determinants of disinfectant pretreatment efficacy for nitrosamine control in chloraminated drinking water. Water Research, 2015, 84, 161-170. | 5.3 | 46 |
| 101 | Sulfamethoxazole and isoproturon degradation and detoxification by a laccase-mediator system: Influence of treatment conditions and mechanistic aspects. Biochemical Engineering Journal, 2015, 103, 47-59. | 1.8 | 79 |
| 102 | Combination of UV absorbance and electron donating capacity to assess degradation of micropollutants and formation of bromate during ozonation of wastewater effluents. Water Research, 2015, 81, 388-397. | 5.3 | 95 |
| 103 | Photosensitizing and Inhibitory Effects of Ozonated Dissolved Organic Matter on Triplet-Induced Contaminant Transformation. Environmental Science & Technology, 2015, 49, 8541-8549. | 4.6 | 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. Environmental Science & Technology, 2015, 49, 9925-9935. | 4.6 | 83 |
| 105 | Trichloramine reactions with nitrogenous and carbonaceous compounds: Kinetics, products and chloroform formation. Water Research, 2015, 71, 318-329. | 5.3 | 20 |
| 106 | Novel test procedure to evaluate the treatability of wastewater with ozone. Water Research, 2015, 75, 324-335. | 5.3 | 87 |
| 107 | Formation of disinfection by-products during ballast water treatment with ozone, chlorine, and peracetic acid: influence of water quality parameters. Environmental Science: Water Research and Technology, 2015, 1, 465-480. | 1.2 | 65 |
| 108 | Molecular Mechanism of NDMA Formation from N,N-Dimethylsulfamide During Ozonation: Quantum Chemical Insights into a Bromide-Catalyzed Pathway. Environmental Science & Technology, 2015, 49, 4163-4175. | 4.6 | 53 |

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| 109 | Effect of Ozone Treatment on Nano-Sized Silver Sulfide in Wastewater Effluent. Environmental Science & Technology, 2015, 49, 10911-10919. | 4.6 | 38 |
| 110 | Mechanistic Study on the Formation of Cl-/Br-/I-Trihalomethanes during Chlorination/Chloramination Combined with a Theoretical Cytotoxicity Evaluation. Environmental Science & Technology, 2015, 49, 11105-11114. | 4.6 | 119 |
| 111 | Reaction of bromine and chlorine with phenolic compounds and natural organic matter extracts â€“ Electrophilic aromatic substitution and oxidation. Water Research, 2015, 85, 476-486. | 5.3 | 235 |
| 112 | Evaluation of the persistence of transformation products from ozonation of trace organic compounds â€“ A critical review. Water Research, 2015, 68, 150-170. | 5.3 | 174 |
| 113 | Photolysis of inorganic chloramines and efficiency of trichloramine abatement by UV treatment ofÂswimming pool water. Water Research, 2014, 56, 280-291. | 5.3 | 56 |
| 114 | Oxidative treatment of bromide-containing waters: Formation of bromine and its reactions with inorganic and organic compounds â€” A critical review. Water Research, 2014, 48, 15-42. | 5.3 | 412 |
| 115 | Chlorination of Iodide-Containing Waters in the Presence of CuO: Formation of Periodate. Environmental Science & Technology, 2014, 48, 13173-13180. | 4.6 | 27 |
| 116 | Prediction of micropollutant elimination during ozonation of a hospital wastewater effluent. Water Research, 2014, 64, 134-148. | 5.3 | 198 |
| 117 | Comparison of a novel extraction-based colorimetric (ABTS) method with membrane introduction mass spectrometry (MIMS): Trichloramine dynamics in pool water. Water Research, 2014, 58, 258-268. | 5.3 | 22 |
| 118 | Development of mutagenicity during degradation of N -nitrosamines by advanced oxidation processes. Water Research, 2014, 66, 399-410. | 5.3 | 40 |
| 119 | Reaction of Ferrate(VI) with ABTS and Self-Decay of Ferrate(VI): Kinetics and Mechanisms. Environmental Science & Technology, 2014, 48, 5154-5162. | 4.6 | 248 |
| 120 | Sunlight-induced transformation of sulfadiazine and sulfamethoxazole in surface waters and wastewater effluents. Water Research, 2014, 57, 183-192. | 5.3 | 121 |
| 121 | Column studies to assess the effects of climate variables on redox processes during riverbank filtration. Water Research, 2014, 61, 263-275. | 5.3 | 32 |
| 122 | Emerging risks from ballast water treatment: The run-up to the International Ballast Water Management Convention. Chemosphere, 2014, 112, 256-266. | 4.2 | 108 |
| 123 | Enhanced Chlorine Dioxide Decay in the Presence of Metal Oxides: Relevance to Drinking Water Distribution Systems. Environmental Science & Technology, 2013, 47, 130719133951006. | 4.6 | 9 |
| 124 | Elimination of Micropollutants during Post-Treatment of Hospital Wastewater with Powdered Activated Carbon, Ozone, and UV. Environmental Science & Technology, 2013, 47, 7899-7908. | 4.6 | 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. Water Research, 2013, 47, 4893-4903. | 5.3 | 40 |
| 126 | Chemical Oxidation of Dissolved Organic Matter by Chlorine Dioxide, Chlorine, And Ozone: Effects on Its Optical and Antioxidant Properties. Environmental Science & Technology, 2013, 47, 11147-11156. | 4.6 | 244 |

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| 127 | Quantification and characterization of dissolved organic nitrogen in wastewater effluents by electrodialysis treatment followed by size-exclusion chromatography with nitrogen detection. Water Research, 2013, 47, 5381-5391. | 5.3 | 46 |
| 128 | Enhanced N-nitrosamine formation in pool water by UV irradiation of chlorinated secondary amines in the presence of monochloramine. Water Research, 2013, 47, 79-90. | 5.3 | 97 |
| 129 | Formation of N-nitrosamines from chlorination and chloramination of molecular weight fractions of natural organic matter. Water Research, 2013, 47, 535-546. | 5.3 | 80 |
| 130 | NOM degradation during river infiltration: Effects of the climate variables temperature and discharge. Water Research, 2013, 47, 6585-6595. | 5.3 | 39 |
| 131 | Ozonation of iodide-containing waters: Selective oxidation of iodide to iodate with simultaneous minimization of bromate and I-THMs. Water Research, 2013, 47, 1953-1960. | 5.3 | 93 |
| 132 | Process Control For Ozonation Systems: A Novel Real-Time Approach. Ozone: Science and Engineering, 2013, 35, 168-185. | 1.4 | 35 |
| 133 | Prediction of Micropollutant Elimination during Ozonation of Municipal Wastewater Effluents: Use of Kinetic and Water Specific Information. Environmental Science & Technology, 2013, 47, 5872-5881. | 4.6 | 355 |
| 134 | Chlorination of bromide-containing waters: Enhanced bromate formation in the presence ofÂsynthetic metal oxides and deposits formed inÂdrinking water distribution systems. Water Research, 2013, 47, 5307-5315. | 5.3 | 41 |
| 135 | Oxidation of Manganese(II) during Chlorination: Role of Bromide. Environmental Science & Technology, 2013, 47, 8716-8723. | 4.6 | 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. Water Research, 2012, 46, 6257-6272. | 5.3 | 175 |
| 138 | Quantitative structureâ€“activity relationships (QSARs) for the transformation of organic micropollutants during oxidative water treatment. Water Research, 2012, 46, 6177-6195. | 5.3 | 305 |
| 139 | Kinetic and Mechanistic Investigations of the Oxidation of Tramadol by Ferrate and Ozone. Environmental Science & Technology, 2012, 46, 876-884. | 4.6 | 129 |
| 140 | Trade-Offs in Disinfection Byproduct Formation Associated with Precursor Preoxidation for Control of N-Nitrosodimethylamine Formation. Environmental Science & Technology, 2012, 46, 4809-4818. | 4.6 | 152 |
| 141 | Enhanced Bromate Formation during Chlorination of Bromide-Containing Waters in the Presence of CuO: Catalytic Disproportionation of Hypobromous Acid. Environmental Science & Technology, 2012, 46, 11054-11061. | 4.6 | 79 |
| 142 | Iodate and Iodo-Trihalomethane Formation during Chlorination of Iodide-Containing Waters: Role of Bromide. Environmental Science & Technology, 2012, 46, 7350-7357. | 4.6 | 117 |
| 143 | Removal of the antiviral agent oseltamivir and its biological activity by oxidative processes. Environmental Pollution, 2012, 161, 30-35. | 3.7 | 42 |
| 144 | The Chlorine Dilemma. Science, 2011, 331, 42-43. | 6.0 | 338 |

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|---|---|---|---|
| 145 | Reply to Comment on â€œEffect of Dissolved Organic Matter on the Transformation of Contaminants Induced by Excited Triplet States and the Hydroxyl Radicalâ€. Environmental Science & Technology, 2011, 45, 7947-7948. | 4.6 | 4 |
| 146 | Effect of Dissolved Organic Matter on the Transformation of Contaminants Induced by Excited Triplet States and the Hydroxyl Radical. Environmental Science & Technology, 2011, 45, 1334-1340. | 4.6 | 388 |
| 147 | Evolution of algal toxicity during (photo)oxidative degradation of diuron. Aquatic Toxicology, 2011, 101, 466-473. | 1.9 | 44 |
| 148 | Kinetic assessment and modeling of an ozonation step for full-scale municipal wastewater treatment: Micropollutant oxidation, by-product formation and disinfection. Water Research, 2011, 45, 605-617. | 5.3 | 261 |
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