# William A Mitch

List of Publications by Year
in descending order



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|---|---|---|---|
| 139 papers | 13,457 citations | 22548 61 h-index | 25230 113 g-index |
| 143 all docs | 143 docs citations | 143 times ranked | 8203 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Comparison of Halide Impacts on the Efficiency of Contaminant Degradation by Sulfate and Hydroxyl Radical-Based Advanced Oxidation Processes (AOPs). Environmental Science & Technology, 2014, 48, 2344-2351. | 4.6 | 785 |
| 2 | Effect of Halide Ions and Carbonates on Organic Contaminant Degradation by Hydroxyl Radical-Based Advanced Oxidation Processes in Saline Waters. Environmental Science & Technology, 2010, 44, 6822-6828. | 4.6 | 717 |
| 3 | Halonitroalkanes, Halonitriles, Haloamides, and N-Nitrosamines: A Critical Review of Nitrogenous Disinfection Byproduct Formation Pathways. Environmental Science & Technology, 2012, 46, 119-131. | 4.6 | 592 |
| 4 | Drinking Water Disinfection Byproducts (DBPs) and Human Health Effects: Multidisciplinary Challenges and Opportunities. Environmental Science & Technology, 2018, 52, 1681-1689. | 4.6 | 584 |
| 5 | N-Nitrosodimethylamine (NDMA) as a Drinking Water Contaminant: A Review. Environmental Engineering Science, 2003, 20, 389-404. | 0.8 | 571 |
| 6 | Formation ofN-Nitrosodimethylamine (NDMA) from Dimethylamine during Chlorination. Environmental Science & Technology, 2002, 36, 588-595. | 4.6 | 517 |
| 7 | Formation, precursors, control, and occurrence of nitrosamines in drinking water: A review. Water Research, 2013, 47, 4433-4450. | 5.3 | 445 |
| 8 | Organic wastewater treatment by a single-atom catalyst and electrolytically produced H2O2. Nature Sustainability, 2021, 4, 233-241. | 11.5 | 350 |
| 9 | Characterization and Fate ofN-Nitrosodimethylamine Precursors in Municipal Wastewater Treatment Plants. Environmental Science & Technology, 2004, 38, 1445-1454. | 4.6 | 327 |
| 10 | Comparing the UV/Monochloramine and UV/Free Chlorine Advanced Oxidation Processes (AOPs) to the UV/Hydrogen Peroxide AOP Under Scenarios Relevant to Potable Reuse. Environmental Science & Technology, 2017, 51, 13859-13868. | 4.6 | 313 |
| 11 | Nitrosamine Formation Pathway Revisited:Â The Importance of Chloramine Speciation and Dissolved Oxygen. Environmental Science & Technology, 2006, 40, 6007-6014. | 4.6 | 272 |
| 12 | A N-Nitrosodimethylamine (NDMA) precursor analysis for chlorination of water and wastewater. Water Research, 2003, 37, 3733-3741. | 5.3 | 257 |
| 13 | Effect of matrix components on UV/H2O2 and UV/S2O82â˙ advanced oxidation processes for trace organic degradation in reverse osmosis brines from municipal wastewater reuse facilities. Water Research, 2016, 89, 192-200. | 5.3 | 232 |
| 14 | Influence of the Order of Reagent Addition on NDMA Formation during Chloramination. Environmental Science & Technology, 2005, 39, 3811-3818. | 4.6 | 225 |
| 15 | Iodide, Bromide, and Ammonium in Hydraulic Fracturing and Oil and Gas Wastewaters: Environmental Implications. Environmental Science & Technology, 2015, 49, 1955-1963. | 4.6 | 215 |
| 16 | Activity and Reactivity of Pyrogenic Carbonaceous Matter toward Organic Compounds. Environmental Science & Technology, 2017, 51, 8893-8908. | 4.6 | 213 |
| 17 | Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. Environmental Sciences: Processes and Impacts, 2018, 20, 1089-1122. | 1.7 | 180 |
| 18 | Halogen radicals contribute to photooxidation in coastal and estuarine waters. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5868-5873. | 3.3 | 174 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | N-Nitrosamines and halogenated disinfection byproducts in U.S. Full Advanced Treatment trains for potable reuse. Water Research, 2016, 101, 176-186. | 5.3 | 173 |
| 20 | Enhanced Formation of Disinfection Byproducts in Shale Gas Wastewater-Impacted Drinking Water Supplies. Environmental Science & Technology, 2014, 48, 11161-11169. | 4.6 | 157 |
| 21 | Role of Black Carbon Electrical Conductivity in Mediating Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) Transformation on Carbon Surfaces by Sulfides. Environmental Science & Technology, 2013, 47, 7129-7136. | 4.6 | 155 |
| 22 | 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 |
| 23 | Sorbic acid as a quantitative probe for the formation, scavenging and steady-state concentrations of the triplet-excited state of organic compounds. Water Research, 2011, 45, 6535-6544. | 5.3 | 150 |
| 24 | Dichloroacetonitrile and Dichloroacetamide Can Form Independently during Chlorination and Chloramination of Drinking Waters, Model Organic Matters, and Wastewater Effluents. Environmental Science & Technology, 2012, 46, 10624-10631. | 4.6 | 150 |
| 25 | Nitrile, Aldehyde, and Halonitroalkane Formation during Chlorination/Chloramination of Primary Amines. Environmental Science & Technology, 2007, 41, 1288-1296. | 4.6 | 144 |
| 26 | Quaternary Amines As Nitrosamine Precursors: A Role for Consumer Products?. Environmental Science & Technology, 2010, 44, 1224-1231. | 4.6 | 139 |
| 27 | Sources and Fate of Nitrosodimethylamine and its Precursors in Municipal Wastewater Treatment Plants. Water Environment Research, 2005, 77, 32-39. | 1.3 | 132 |
| 28 | Impact of UV Disinfection Combined with Chlorination/Chloramination on the Formation of Halonitromethanes and Haloacetonitriles in Drinking Water. Environmental Science & Technology, 2011, 45, 3657-3664. | 4.6 | 132 |
| 29 | Effect of Ozonation and Biological Activated Carbon Treatment of Wastewater Effluents on Formation of N-nitrosamines and Halogenated Disinfection Byproducts. Environmental Science & Technology, 2017, 51, 2329-2338. | 4.6 | 124 |
| 30 | Impact of UV/H<sub>2</sub>O<sub>2</sub> Pre-Oxidation on the Formation of Haloacetamides and Other Nitrogenous Disinfection Byproducts during Chlorination. Environmental Science & Technology, 2014, 48, 12190-12198. | 4.6 | 123 |
| 31 | Occurrence and Fate of Nitrosamines and Nitrosamine Precursors in Wastewater-Impacted Surface Waters Using Boron As a Conservative Tracer. Environmental Science & Technology, 2006, 40, 3203-3210. | 4.6 | 119 |
| 32 | Nitrosamine Carcinogens Also Swim in Chlorinated Pools. Environmental Science & Technology, 2008, 42, 1032-1037. | 4.6 | 116 |
| 33 | 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 |
| 34 | Genotoxicity of Water Concentrates from Recreational Pools after Various Disinfection Methods. Environmental Science & Technology, 2010, 44, 3527-3532. | 4.6 | 111 |
| 35 | Comparison of Byproduct Formation in Waters Treated with Chlorine and Iodine: Relevance to Point-of-Use Treatment. Environmental Science & Technology, 2010, 44, 8446-8452. | 4.6 | 111 |
| 36 | Influence of Ionic Strength on Triplet-State Natural Organic Matter Loss by Energy Transfer and Electron Transfer Pathways. Environmental Science & Technology, 2013, 47, 10987-10994. | 4.6 | 109 |

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| 37 | Measurement of Nitrosamine and Nitramine Formation from NO<sub>x</sub> Reactions with Amines during Amine-Based Carbon Dioxide Capture for Postcombustion Carbon Sequestration. Environmental Science & Technology, 2012, 46, 9793-9801. | 4.6 | 108 |
| 38 | Degradation of Tertiary Alkylamines during Chlorination/Chloramination: Implications for Formation of Aldehydes, Nitriles, Halonitroalkanes, and Nitrosamines. Environmental Science & Technology, 2008, 42, 4811-4817. | 4.6 | 102 |
| 39 | Assessing Additivity of Cytotoxicity Associated with Disinfection Byproducts in Potable Reuse and Conventional Drinking Waters. Environmental Science & Technology, 2020, 54, 5729-5736. | 4.6 | 102 |
| 40 | Development of Predictive Models for the Degradation of Halogenated Disinfection Byproducts during the UV/H<sub>2</sub>O<sub>2</sub> Advanced Oxidation Process. Environmental Science & Technology, 2016, 50, 11209-11217. | 4.6 | 95 |
| 41 | Pilot-scale evaluation of oxidant speciation, 1,4-dioxane degradation and disinfection byproduct formation during UV/hydrogen peroxide, UV/free chlorine and UV/chloramines advanced oxidation process treatment for potable reuse. Water Research, 2019, 164, 114939. | 5.3 | 87 |
| 42 | Pilot-scale comparison of microfiltration/reverse osmosis and ozone/biological activated carbon with UV/hydrogen peroxide or UV/free chlorine AOP treatment for controlling disinfection byproducts during wastewater reuse. Water Research, 2019, 152, 215-225. | 5.3 | 87 |
| 43 | Impact of Halide Ions on Natural Organic Matter-Sensitized Photolysis of 17Î²-Estradiol in Saline Waters. Environmental Science & Technology, 2012, 46, 7128-7134. | 4.6 | 83 |
| 44 | Contribution of N-Nitrosamines and Their Precursors to Domestic Sewage by Greywaters and Blackwaters. Environmental Science & Technology, 2015, 49, 13158-13167. | 4.6 | 83 |
| 45 | Enhanced Nitrogenous Disinfection ByProduct Formation near the Breakpoint:â€‰ Implications for Nitrification Control. Environmental Science & Technology, 2007, 41, 7039-7046. | 4.6 | 82 |
| 46 | Impact of halides on the photobleaching of dissolved organic matter. Marine Chemistry, 2009, 115, 134-144. | 0.9 | 82 |
| 47 | Black Carbon-Mediated Destruction of Nitroglycerin and RDX By Hydrogen Sulfide. Environmental Science & Technology, 2010, 44, 6409-6415. | 4.6 | 82 |
| 48 | Sunlight-Driven Photochemical Halogenation of Dissolved Organic Matter in Seawater: A Natural Abiotic Source of Organobromine and Organoiodine. Environmental Science & Technology, 2014, 48, 7418-7427. | 4.6 | 80 |
| 49 | Regulated and unregulated halogenated disinfection byproduct formation from chlorination of saline groundwater. Water Research, 2017, 122, 633-644. | 5.3 | 80 |
| 50 | Comparison of Toxicity-Weighted Disinfection Byproduct Concentrations in Potable Reuse Waters and Conventional Drinking Waters as a New Approach to Assessing the Quality of Advanced Treatment Train Waters. Environmental Science & Technology, 2019, 53, 3729-3738. | 4.6 | 80 |
| 51 | Formation Pathways and Trade-Offs between Haloacetamides and Haloacetaldehydes during Combined Chlorination and Chloramination of Lignin Phenols and Natural Waters. Environmental Science & Technology, 2015, 49, 14432-14440. | 4.6 | 77 |
| 52 | Comparative Mammalian Cell Cytotoxicity of Water Concentrates from Disinfected Recreational Pools. Environmental Science & Technology, 2011, 45, 4159-4165. | 4.6 | 74 |
| 53 | Impact of Nitrification on the Formation of N-Nitrosamines and Halogenated Disinfection Byproducts within Distribution System Storage Facilities. Environmental Science & Technology, 2016, 50, 2964-2973. | 4.6 | 74 |
| 54 | Co-occurrence of geogenic and anthropogenic contaminants in groundwater from Rajasthan, India. Science of the Total Environment, 2019, 688, 1216-1227. | 3.9 | 73 |

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| 55 | Abiotic Degradation of Hexahydro-1,3,5-trinitro-1,3,5-triazine in the Presence of Hydrogen Sulfide and Black Carbon. Environmental Science & Technology, 2008, 42, 2118-2123. | 4.6 | 69 |
| 56 | Occurrence and Fate of Nitrosamines and Their Precursors in Municipal Sludge and Anaerobic Digestion Systems. Environmental Science & Technology, 2009, 43, 3087-3093. | 4.6 | 66 |
| 57 | Formation and control of emerging Câ€•and Nâ€ĐBPs in drinking water. Journal - American Water Works Association, 2012, 104, E582. | 0.2 | 66 |
| 58 | Relative Importance of N-Nitrosodimethylamine Compared to Total N-Nitrosamines in Drinking Waters. Environmental Science & Technology, 2013, 47, 3648-3656. | 4.6 | 66 |
| 59 | Reduction of Nitroaromatics Sorbed to Black Carbon by Direct Reaction with Sorbed Sulfides. Environmental Science & Technology, 2015, 49, 3419-3426. | 4.6 | 66 |
| 60 | Predicting the Contribution of Chloramines to Contaminant Decay during Ultraviolet/Hydrogen Peroxide Advanced Oxidation Process Treatment for Potable Reuse. Environmental Science & Technology, 2019, 53, 4416-4425. | 4.6 | 66 |
| 61 | Relative Importance of Different Water Categories as Sources of N-Nitrosamine Precursors. Environmental Science & Technology, 2016, 50, 13239-13248. | 4.6 | 65 |
| 62 | Comparative genotoxicity of nitrosamine drinking water disinfection byproducts in Salmonella and mammalian cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 741, 109-115. | 0.9 | 62 |
| 63 | Enhanced Phototransformation of Tetracycline at Smectite Clay Surfaces under Simulated Sunlight via a Lewis-Base Catalyzed Alkalization Mechanism. Environmental Science & Technology, 2019, 53, 710-718. | 4.6 | 60 |
| 64 | Reverse Osmosis Shifts Chloramine Speciation Causing Re-Formation of NDMA during Potable Reuse of Wastewater. Environmental Science & Technology, 2017, 51, 8589-8596. | 4.6 | 59 |
| 65 | Ozone Promotes Chloropicrin Formation by Oxidizing Amines to Nitro Compounds. Environmental Science & Technology, 2016, 50, 1209-1217. | 4.6 | 58 |
| 66 | Tradeoffs between pathogen inactivation and disinfection byproduct formation during sequential chlorine and chloramine disinfection for wastewater reuse. Water Research, 2018, 143, 579-588. | 5.3 | 58 |
| 67 | Minimization of NDMA Formation during Chlorine Disinfection of Municipal Wastewater by Application of Pre-Formed Chloramines. Environmental Engineering Science, 2005, 22, 882-890. | 0.8 | 54 |
| 68 | Nitrosamine, Dimethylnitramine, and Chloropicrin Formation during Strong Base Anion-Exchange Treatment. Environmental Science & Technology, 2009, 43, 466-472. | 4.6 | 53 |
| 69 | Superior Removal of Disinfection Byproduct Precursors and Pharmaceuticals from Wastewater in a Staged Anaerobic Fluidized Membrane Bioreactor Compared to Activated Sludge. Environmental Science and Technology Letters, 2014, 1, 459-464. | 3.9 | 53 |
| 70 | Application of Ultraviolet, Ozone, and Advanced Oxidation Treatments to Washwaters To Destroy Nitrosamines, Nitramines, Amines, and Aldehydes Formed during Amine-Based Carbon Capture. Environmental Science & Technology, 2013, 47, 2799-2808. | 4.6 | 51 |
| 71 | Halogen Radicals Promote the Photodegradation of Microcystins in Estuarine Systems. Environmental Science & Technology, 2016, 50, 8505-8513. | 4.6 | 51 |
| 72 | Comparative in Vitro Toxicity of Nitrosamines and Nitramines Associated with Amine-based Carbon Capture and Storage. Environmental Science & Technology, 2014, 48, 8203-8211. | 4.6 | 50 |

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| 73 | Conversion of oxybenzone sunscreen to phototoxic glucoside conjugates by sea anemones and corals. Science, 2022, 376, 644-648. | 6.0 | 48 |
| 74 | Application of an Optimized Total N-Nitrosamine (TONO) Assay to Pools: Placing N-Nitrosodimethylamine (NDMA) Determinations into Perspective. Environmental Science & Technology, 2010, 44, 3369-3375. | 4.6 | 47 |
| 75 | Determinants of disinfectant pretreatment efficacy for nitrosamine control in chloraminated drinking water. Water Research, 2015, 84, 161-170. | 5.3 | 46 |
| 76 | Influence of Amine Structural Characteristics on N-Nitrosamine Formation Potential Relevant to Postcombustion CO<sub>2</sub> Capture Systems. Environmental Science & Technology, 2013, 47, 13175-13183. | 4.6 | 45 |
| 77 | Efficacy of ozone for removal of pesticides, metals and indicator virus from reverse osmosis concentrates generated during potable reuse of municipal wastewaters. Water Research, 2020, 176, 115744. | 5.3 | 45 |
| 78 | Effects of Flue Gas Compositions on Nitrosamine and Nitramine Formation in Postcombustion CO2 Capture Systems. Environmental Science & Technology, 2014, 48, 7519-7526. | 4.6 | 41 |
| 79 | Predicting N-Nitrosamines: N-Nitrosodiethanolamine as a Significant Component of Total N-Nitrosamines in Recycled Wastewater. Environmental Science and Technology Letters, 2015, 2, 54-58. | 3.9 | 40 |
| 80 | Fecal coliform accumulation within a river subject to seasonally-disinfected wastewater discharges. Water Research, 2010, 44, 4776-4782. | 5.3 | 39 |
| 81 | Environmental and personal determinants of the uptake of disinfection by-products during swimming. Environmental Research, 2016, 149, 206-215. | 3.7 | 39 |
| 82 | Nitrosamines and Nitramines in Amine-Based Carbon Dioxide Capture Systems: Fundamentals, Engineering Implications, and Knowledge Gaps. Environmental Science & Technology, 2017, 51, 11522-11536. | 4.6 | 39 |
| 83 | Degradation of Amino Acids and Structure in Model Proteins and Bacteriophage MS2 by Chlorine, Bromine, and Ozone. Environmental Science & Technology, 2015, 49, 13331-13339. | 4.6 | 37 |
| 84 | Disinfection Byproducts in Rajasthan, India: Are Trihalomethanes a Sufficient Indicator of Disinfection Byproduct Exposure in Low-Income Countries?. Environmental Science & Technology, 2019, 53, 12007-12017. | 4.6 | 36 |
| 85 | Evaluation of Enhanced Ozoneâ€“Biologically Active Filtration Treatment for the Removal of 1,4-Dioxane and Disinfection Byproduct Precursors from Wastewater Effluent. Environmental Science & Technology, 2019, 53, 2720-2730. | 4.6 | 36 |
| 86 | Role of Lysine during Protein Modification by HOCl and HOBr: Halogen-Transfer Agent or Sacrificial Antioxidant?. Biochemistry, 2013, 52, 1260-1271. | 1.2 | 35 |
| 87 | Effect of Chemical Oxidation on the Sorption Tendency of Dissolved Organic Matter to a Model Hydrophobic Surface. Environmental Science & Technology, 2014, 48, 5118-5126. | 4.6 | 35 |
| 88 | Structural Modifications to Quaternary Ammonium Polymer Coagulants to Inhibit N-Nitrosamine Formation. Environmental Science & Technology, 2016, 50, 4778-4787. | 4.6 | 35 |
| 89 | Reductive dehalogenation of disinfection byproducts by an activated carbon-based electrode system. Water Research, 2016, 98, 354-362. | 5.3 | 33 |
| 90 | Influence of Dissolved Metals on N-Nitrosamine Formation under Amine-based CO<sub>2</sub> Capture Conditions. Environmental Science & Technology, 2015, 49, 11974-11981. | 4.6 | 32 |

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| 91 | Influence of Bi-doping on Mn1â^'xBixFe2O4 catalytic ozonation of di-n-butyl phthalate. Chemical Engineering Journal, 2016, 283, 622-630. | 6.6 | 31 |
| 92 | N-Nitrosodimethylamine Formation during UV/Hydrogen Peroxide and UV/Chlorine Advanced Oxidation Process Treatment Following Reverse Osmosis for Potable Reuse. Environmental Science & Technology, 2020, 54, 15465-15475. | 4.6 | 31 |
| 93 | Evaluation of a Pilot Anaerobic Secondary Effluent for Potable Reuse: Impact of Different Disinfection Schemes on Organic Fouling of RO Membranes and DBP Formation. Environmental Science & Technology, 2019, 53, 3166-3176. | 4.6 | 27 |
| 94 | Reductive Electrochemical Activation of Hydrogen Peroxide as an Advanced Oxidation Process for Treatment of Reverse Osmosis Permeate during Potable Reuse. Environmental Science & Technology, 2020, 54, 12593-12601. | 4.6 | 27 |
| 95 | Distributed Chlorine Injection To Minimize NDMA Formation during Chloramination of Wastewater. Environmental Science and Technology Letters, 2018, 5, 462-466. | 3.9 | 26 |
| 96 | Exposure to disinfection by-products in swimming pools and biomarkers of genotoxicity and respiratory damage â€“ The PISCINA2 Study. Environment International, 2019, 131, 104988. | 4.8 | 26 |
| 97 | Novel Chlorination Byproducts of Tryptophan: Initial High-Yield Transformation Products versus Small Molecule Disinfection Byproducts. Environmental Science and Technology Letters, 2020, 7, 149-155. | 3.9 | 26 |
| 98 | Chlorine and ozone disinfection and disinfection byproducts in postharvest food processing facilities: A review. Critical Reviews in Environmental Science and Technology, 2022, 52, 1825-1867. | 6.6 | 26 |
| 99 | Controlling Nitrosamines, Nitramines, and Amines in Amine-Based CO<sub>2</sub> Capture Systems with Continuous Ultraviolet and Ozone Treatment of Washwater. Environmental Science & Technology, 2015, 49, 8878-8886. | 4.6 | 24 |
| 100 | Disinfection Byproduct Recovery during Extraction and Concentration in Preparation for Chemical Analyses or Toxicity Assays. Environmental Science & Technology, 2021, 55, 14136-14145. | 4.6 | 23 |
| 101 | Synthesis and Application of a Quaternary Phosphonium Polymer Coagulant To Avoid N-Nitrosamine Formation. Environmental Science & Technology, 2014, 48, 13392-13401. | 4.6 | 22 |
| 102 | Chlorotyrosines versus Volatile Byproducts from Chlorine Disinfection during Washing of Spinach and Lettuce. Environmental Science & Technology, 2018, 52, 9361-9369. | 4.6 | 22 |
| 103 | Optimization of reverse osmosis operational conditions to maximize ammonia removal from the effluent of an anaerobic membrane bioreactor. Environmental Science: Water Research and Technology, 2021, 7, 739-747. | 1.2 | 22 |
| 104 | Control of nitrosamines during non-potable and de facto wastewater reuse with medium pressure ultraviolet light and preformed monochloramine. Environmental Science: Water Research and Technology, 2016, 2, 502-510. | 1.2 | 21 |
| 105 | Use of trihalomethanes as a surrogate for haloacetonitrile exposure introduces misclassification bias. Water Research X, 2021, 11, 100089. | 2.8 | 21 |
| 106 | Evaluation of Histidine Reactivity and Byproduct Formation during Peptide Chlorination. Environmental Science & Technology, 2021, 55, 1790-1799. | 4.6 | 20 |
| 107 | Influence of the Method of Reagent Addition on Dichloroacetonitrile Formation during Chloramination. Environmental Science & Technology, 2010, 44, 700-706. | 4.6 | 19 |
| 108 | Pilot UV-AOP Comparison of UV/Hydrogen Peroxide, UV/Free Chlorine, and UV/Monochloramine for the Removal of N-Nitrosodimethylamine (NDMA) and NDMA Precursors. ACS ES&T Water, 2021, 1, 396-406. | 2.3 | 19 |

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| 109 | Bench-scale column evaluation of factors associated with changes in N-nitrosodimethylamine (NDMA) precursor concentrations during drinking water biofiltration. Water Research, 2019, 167, 115103. | 5.3 | 17 |
| 110 | Transformation of Trace Organic Contaminants from Reverse Osmosis Concentrate by Open-Water Unit-Process Wetlands with and without Ozone Pretreatment. Environmental Science & Technology, 2020, 54, 16176-16185. | 4.6 | 17 |
| 111 | Recovery of Clean Water and Ammonia from Domestic Wastewater: Impacts on Embodied Energy and Greenhouse Gas Emissions. Environmental Science & Technology, 2022, 56, 8712-8721. | 4.6 | 17 |
| 112 | Designing a Nanoscale Three-phase Electrochemical Pathway to Promote Pt-catalyzed Formaldehyde Oxidation. Nano Letters, 2020, 20, 8719-8724. | 4.5 | 15 |
| 113 | Removal of Pathogens and Chemicals of Emerging Concern by Pilot-Scale FO-RO Hybrid Units Treating RO Concentrate, Graywater, and Sewage for Centralized and Decentralized Potable Reuse. ACS ES&T Water, 2021, 1, 89-100. | 2.3 | 15 |
| 114 | Destruction of Methyl Bromide Sorbed to Activated Carbon by Thiosulfate or Electrolysis. Environmental Science & Technology, 2015, 49, 4515-4521. | 4.6 | 14 |
| 115 | Comparing industrial and domestic discharges as sources of N-nitrosamines and their chloramine or ozone-reactive precursors. Environmental Science: Water Research and Technology, 2019, 5, 726-736. | 1.2 | 14 |
| 116 | Exploring Amino Acid Side Chain Decomposition Using Enzymatic Digestion and HPLC-MS: Combined Lysine Transformations in Chlorinated Waters. Analytical Chemistry, 2009, 81, 7650-7659. | 3.2 | 13 |
| 117 | Behavior of NDMA precursors at 21 full-scale water treatment facilities. Environmental Science: Water Research and Technology, 2018, 4, 1966-1978. | 1.2 | 13 |
| 118 | Chapter 7 Micropollutants in Water Recycling: A Case Study of N-Nitrosodimethylamine (NDMA) Exposure from Water versus Food. Sustainability Science and Engineering, 2010, , 203-228. | 0.6 | 12 |
| 119 | Environmental and Human Impacts of Unconventional Energy Development. Environmental Science & Technology, 2017, 51, 10271-10273. | 4.6 | 11 |
| 120 | Sulfide-induced reduction of nitrobenzene mediated by different size fractions of rice straw-derived black carbon: A key role played by reactive polysulfide species. Science of the Total Environment, 2020, 748, 141365. | 3.9 | 11 |
| 121 | Pilot-scale ozone/biological activated carbon treatment of reverse osmosis concentrate: potential for synergism between nitrate and contaminant removal and potable reuse. Environmental Science: Water Research and Technology, 2020, 6, 1421-1431. | 1.2 | 11 |
| 122 | Control of sulfides and coliphage MS2 using hydrogen peroxide and UV disinfection for non-potable reuse of pilot-scale anaerobic membrane bioreactor effluent. Water Research X, 2021, 11, 100097. | 2.8 | 11 |
| 123 | Impact of Combined Chlorination and Chloramination Conditions on Nâ€Nitrosodimethylamine Formation. Journal - American Water Works Association, 2018, 110, 11-24. | 0.2 | 10 |
| 124 | Formation of N-nitrosamines during the analysis of municipal secondary biological nutrient removal process effluents by US EPA method 521. Chemosphere, 2019, 221, 597-605. | 4.2 | 10 |
| 125 | Development of an Activated Carbon-Based Electrode for the Capture and Rapid Electrolytic Reductive Debromination of Methyl Bromide from Postharvest Fumigations. Environmental Science & Technology, 2016, 50, 11200-11208. | 4.6 | 9 |
| 126 | Capture and Reductive Transformation of Halogenated Pesticides by an Activated Carbon-Based Electrolysis System for Treatment of Runoff. Environmental Science & Technology, 2018, 52, 1435-1443. | 4.6 | 8 |

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| 127 | Sunlight-Driven Chlorate Formation during Produce Irrigation with Chlorine- or Chloramine-Disinfected Water. Environmental Science & Technology, 2021, 55, 14876-14885. | 4.6 | 8 |
| 128 | Chlorine taste can increase simulated exposure to both fecal contamination and disinfection byproducts in water supplies. Water Research, 2021, 207, 117806. | 5.3 | 8 |
| 129 | Disinfection byproducts formed during drinking water treatment reveal an export control point for dissolved organic matter in a subalpine headwater stream. Water Research X, 2022, 15, 100144. | 2.8 | 7 |
| 130 | Tap water and bladder cancer in China. Nature Sustainability, 2022, 5, 643-644. | 11.5 | 7 |
| 131 | Serum electrolytes can promote hydroxyl radical-initiated biomolecular damage from inflammation. Free Radical Biology and Medicine, 2019, 141, 475-482. | 1.3 | 6 |
| 132 | Formation of Oleic Acid Chlorohydrins in Vegetables during Postharvest Chlorine Disinfection. Environmental Science & Technology, 2022, 56, 1233-1243. | 4.6 | 6 |
| 133 | Role of absorber and desorber units and operational conditions for N-nitrosamine formation during amine-based carbon capture. Water Research, 2020, 170, 115299. | 5.3 | 5 |
| 134 | Leveraging the Mechanism of Oxidative Decay for Adenylate Kinase to Design Structural and Functional Resistances. ACS Chemical Biology, 2015, 10, 2393-2404. | 1.6 | 4 |
| 135 | Production of N-Nitrosodimethylamine Precursors by Biofilters Is Highly Dynamic and Affected by Filter Media Type and Backwashing Conditions. ACS ES&T Water, 2021, 1, 661-671. | 2.3 | 3 |
| 136 | Effects of Intrusion on Disinfection Byproduct Formation in Intermittent Distribution Systems. ACS ES&T Water, 2022, 2, 807-816. | 2.3 | 2 |
| 137 | SOURCES AND FATE OF NITROSODIMETHYLAMINE (NDMA) AND NDMA PRECURSORS IN MUNICIPAL WASTEWATER TREATMENT PLANTS. Proceedings of the Water Environment Federation, 2004, 2004, 31-46. | 0.0 | 1 |
| 138 | New Takes on Emerging Contaminants: Preface. Journal of Environmental Sciences, 2017, 62, 1-2. | 3.2 | 1 |
| 139 | Bridging boundaries: On the contributions of Dr. Michael Plewa to the disinfection byproduct field. Journal of Environmental Sciences, 2022, , . | 3.2 | 0 |