

# Scott A Mabury

## List of Publications by Citations

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78  
papers

7,864  
citations

35  
h-index

81  
g-index

81  
ext. papers

9,033  
ext. citations

7.7  
avg, IF

6.3  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 78 | Perfluoroalkyl and polyfluoroalkyl substances in the environment: terminology, classification, and origins. <i>Integrated Environmental Assessment and Management</i> , <b>2011</b> , 7, 513-41   | 2.5  | 1666      |
| 77 | Degradation of fluorotelomer alcohols: a likely atmospheric source of perfluorinated carboxylic acids. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 3316-21  | 10.3 | 711       |
| 76 | Bioconcentration and tissue distribution of perfluorinated acids in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 196-204   | 3.8  | 666       |
| 75 | Monitoring perfluorinated surfactants in biota and surface water samples following an accidental release of fire-fighting foam into Etobicoke Creek. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 545-51   | 10.3 | 430       |
| 74 | Fluorotelomer alcohol biodegradation yields poly- and perfluorinated acids. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 2857-64   | 10.3 | 400       |
| 73 | Dietary accumulation of perfluorinated acids in juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 189-195  | 3.8  | 329       |
| 72 | Perfluorinated acids in Arctic snow: new evidence for atmospheric formation. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 3455-61  | 10.3 | 276       |
| 71 | Atmospheric chemistry of N-methyl perfluorobutane sulfonamidoethanol, C <sub>4</sub> F <sub>9</sub> SO <sub>2</sub> N(CH <sub>3</sub> )CH <sub>2</sub> CH <sub>2</sub> OH: kinetics and mechanism of reaction with OH. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 1862-8 | 10.3 | 250       |
| 70 | Thermolysis of fluoropolymers as a potential source of halogenated organic acids in the environment. <i>Nature</i> , <b>2001</b> , 412, 321-4   | 50.4 | 221       |
| 69 | Photodegradation of the pharmaceuticals atorvastatin, carbamazepine, levofloxacin, and sulfamethoxazole in natural waters. <i>Aquatic Sciences</i> , <b>2005</b> , 67, 177-188  | 2.5  | 215       |
| 68 | Perfluoroalkyl contaminants in the Canadian Arctic: evidence of atmospheric transport and local contamination. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 3529-36  | 10.3 | 209       |
| 67 | Determination of perfluorinated surfactants in surface water samples by two independent analytical techniques: liquid chromatography/tandem mass spectrometry and <sup>19</sup> F NMR. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 2200-6   | 7.8  | 198       |
| 66 | Identification of novel fluorinated surfactants in aqueous film forming foams and commercial surfactant concentrates. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 121-9   | 10.3 | 193       |
| 65 | Is indirect exposure a significant contributor to the burden of perfluorinated acids observed in humans?. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 7974-84   | 10.3 | 184       |
| 64 | A North American and global survey of perfluoroalkyl substances in surface soils: Distribution patterns and mode of occurrence. <i>Chemosphere</i> , <b>2016</b> , 161, 333-341   | 8.4  | 137       |
| 63 | . <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 189   | 3.8  | 133       |
| 62 | Exploring indirect sources of human exposure to perfluoroalkyl carboxylates (PFCAs): evaluating uptake, elimination, and biotransformation of polyfluoroalkyl phosphate esters (PAPs) in the rat. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 344-50                          | 8.4  | 128       |

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|----|---|------|----|
| 61 | Certain Perfluoroalkyl and Polyfluoroalkyl Substances Associated with Aqueous Film Forming Foam Are Widespread in Canadian Surface Waters. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13603-13613  | 10.3 | 85 |
| 60 | Steady-state concentrations of carbonate radicals in field waters. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 2181-2188  | 3.8  | 85 |
| 59 | A new method for measuring carbonate radical reactivity toward pesticides. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 1501-1507  | 3.8  | 79 |
| 58 | Vertical Profiles, Sources, and Transport of PFASs in the Arctic Ocean. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6735-6744   | 10.3 | 76 |
| 57 | Determining the molecular interactions of perfluorinated carboxylic acids with human sera and isolated human serum albumin using nuclear magnetic resonance spectroscopy. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 1678-88                   | 3.8  | 57 |
| 56 | Aerobic biodegradation of 2 fluorotelomer sulfonamide-based aqueous film-forming foam components produces perfluoroalkyl carboxylates. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 2012-2021  | 3.8  | 56 |
| 55 | Synthetic Phenolic Antioxidants: A Review of Environmental Occurrence, Fate, Human Exposure, and Toxicity. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11706-11719  | 10.3 | 55 |
| 54 | Unexpectedly High Concentrations of a Newly Identified Organophosphate Ester, Tris(2,4-di-tert-butylphenyl) Phosphate, in Indoor Dust from Canada. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 9677-9683  | 10.3 | 50 |
| 53 | Is there a human health risk associated with indirect exposure to perfluoroalkyl carboxylates (PFCAs)? <i>Toxicology</i> , <b>2017</b> , 375, 28-36   | 4.4  | 47 |
| 52 | Dietary bioaccumulation of perfluorophosphonates and perfluorophosphinates in juvenile rainbow trout: evidence of metabolism of perfluorophosphinates. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 3489-97                                      | 10.3 | 47 |
| 51 | Photodegradation of metolachlor: isolation, identification, and quantification of monochloroacetic acid. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 944-50   | 5.7  | 46 |
| 50 | The Use of 19F NMR to Interpret the Structural Properties of Perfluorocarboxylate Acids: A Possible Correlation with Their Environmental Disposition. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 10099-10106   | 2.8  | 44 |
| 49 | Simultaneous analysis of perfluoroalkyl and polyfluoroalkyl substances including ultrashort-chain C2 and C3 compounds in rain and river water samples by ultra performance convergence chromatography. <i>Journal of Chromatography A</i> , <b>2017</b> , 1522, 78-85 | 4.5  | 42 |
| 48 | Synthetic Phenolic Antioxidants and Transformation Products in Human Sera from United States Donors. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 419-423   | 11   | 40 |
| 47 | Organophosphite Antioxidants in Indoor Dust Represent an Indirect Source of Organophosphate Esters. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1805-1811   | 10.3 | 38 |
| 46 | Bioconcentration of aqueous film-forming foam (AFFF) in juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 12505-13   | 10.3 | 37 |
| 45 | Elucidation of fipronil photodegradation pathways. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 4661-5   | 5.7  | 37 |
| 44 | Development of an 19F NMR method for the analysis of fluorinated acids in environmental water samples. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 726-31   | 7.8  | 37 |

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|----|---|------|----|
| 43 | The use of <sup>19</sup> F NMR and mass spectrometry for the elucidation of novel fluorinated acids and atmospheric fluoroacid precursors evolved in the thermolysis of fluoropolymers. <i>Analyst, The</i> , <b>2003</b> , 128, 756-64                 | 5    | 34 |
| 42 | Application of a comprehensive extraction technique for the determination of poly- and perfluoroalkyl substances (PFASs) in Great Lakes Region sediments. <i>Chemosphere</i> , <b>2016</b> , 164, 535-546   | 8.4  | 33 |
| 41 | Ecological impact and environmental fate of perfluorooctane sulfonate on the zooplankton community in indoor microcosms. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 1490-1496  | 3.8  | 32 |
| 40 | Uptake and elimination of perfluorinated phosphonic acids in the rat. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 1319-29   | 3.8  | 31 |
| 39 | Synthetic phenolic antioxidants and transformation products in dust from different indoor environments in Toronto, Canada. <i>Science of the Total Environment</i> , <b>2019</b> , 672, 23-29   | 10.2 | 26 |
| 38 | <sup>19</sup> F-NMR as an analytical tool for fluorinated agrochemical research.. <i>Journal of Agricultural and Food Chemistry</i> , <b>1995</b> , 43, 1845-1848   | 5.7  | 26 |
| 37 | Unexpectedly high concentrations of 2,4-di-tert-butylphenol in human urine. <i>Environmental Pollution</i> , <b>2019</b> , 252, 1423-1428   | 9.3  | 25 |
| 36 | Chlorodifluoroacetic acid fate and toxicity to the macrophytes <i>Lemna gibba</i> , <i>Myriophyllum spicatum</i> , and <i>Myriophyllum sibiricum</i> in aquatic microcosms. <i>Environmental Toxicology and Chemistry</i> , <b>2001</b> , 20, 2758-2767 | 3.8  | 23 |
| 35 | Sorption of Perfluoroalkyl Phosphonates and Perfluoroalkyl Phosphinates in Soils. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 3197-3205   | 10.3 | 22 |
| 34 | Synthetic Phenolic Antioxidants in Personal Care Products in Toronto, Canada: Occurrence, Human Exposure, and Discharge via Greywater. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 13440-13448                                    | 10.3 | 19 |
| 33 | Improved Measurement of Seasonal and Diurnal Differences in the Carbonaceous Components of Urban Particulate Matter Using a Denuder-Based Air Sampler. <i>Aerosol Science and Technology</i> , <b>2004</b> , 38, 63-69                                  | 3.4  | 19 |
| 32 | Aqueous solubilities, photolysis rates and partition coefficients of benzoylphenylurea insecticides. <i>Pest Management Science</i> , <b>2000</b> , 56, 789-794   | 4.6  | 19 |
| 31 | First Detection of Photoinitiators and Metabolites in Human Sera from United States Donors. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10089-10096   | 10.3 | 16 |
| 30 | Perfluorotributylamine: A novel long-lived greenhouse gas. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 6010-6015  | 4.0  | 15 |
| 29 | An Undergraduate Experiment for the Measurement of Perfluorinated Surfactants in Fish Liver by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Chemical Education</i> , <b>2007</b> , 84, 310   | 2.4  | 15 |
| 28 | Hydrolysis kinetics of fenthion and its metabolites in buffered aqueous media. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 2582-8   | 5.7  | 15 |
| 27 | Single-Use Face Masks as a Potential Source of Synthetic Antioxidants to the Environment. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 651-655  | 11   | 13 |
| 26 | Identification of Photoinitiators, Including Novel Phosphine Oxides, and Their Transformation Products in Food Packaging Materials and Indoor Dust in Canada. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 4109-4118               | 10.3 | 12 |

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|----|---|------|----|
| 25 | ELISA and GC-MS as Teaching Tools in the Undergraduate Environmental Analytical Chemistry Laboratory. <i>Journal of Chemical Education</i> , <b>2000</b> , 77, 1619   | 2.4  | 12 |
| 24 | Novel High Molecular Weight Synthetic Phenolic Antioxidants in Indoor Dust in Toronto, Canada. <i>Environmental Science and Technology Letters</i> , <b>2020</b> , 7, 14-19   | 11   | 12 |
| 23 | Protein binding associated with exposure to fluorotelomer alcohols (FTOHs) and polyfluoroalkyl phosphate esters (PAPs) in rats. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 2421-9  | 10.3 | 11 |
| 22 | Hot Chili Peppers: Extraction, Cleanup, and Measurement of Capsaicin. <i>Journal of Chemical Education</i> , <b>2000</b> , 77, 1630   | 2.4  | 11 |
| 21 | An Undergraduate Experiment for the Measurement of Trace Metals in Core Sediments by ICP-AES and GFAAS. <i>Journal of Chemical Education</i> , <b>2000</b> , 77, 1611   | 2.4  | 11 |
| 20 | Matrix normalized MALDI-TOF quantification of a fluorotelomer-based acrylate polymer. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 6093-101  | 10.3 | 10 |
| 19 | Biological Cleavage of the C-P Bond in Perfluoroalkyl Phosphinic Acids in Male Sprague-Dawley Rats and the Formation of Persistent and Reactive Metabolites. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 117001                                 | 8.4  | 10 |
| 18 | Determination of Formaldehyde in Cigarette Smoke. <i>Journal of Chemical Education</i> , <b>1997</b> , 74, 1100   | 2.4  | 10 |
| 17 | Molecular structure and radiative efficiency of fluorinated ethers: A structure-activity relationship. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,  |      | 10 |
| 16 | First Report on In Vivo Pharmacokinetics and Biotransformation of Chlorinated Polyfluoroalkyl Ether Sulfonates in Rainbow Trout. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 345-354  | 10.3 | 10 |
| 15 | Photoinitiators in Breast Milk from United States Donors: Occurrence and Implications for Exposure in Infants. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 702-707   | 11   | 10 |
| 14 | Unique analytical considerations for laboratory studies identifying metabolic products of per- and polyfluoroalkyl substances (PFASs). <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 124, 115431   | 14.6 | 10 |
| 13 | Influence of fluorination on the characterization of fluorotelomer-based acrylate polymers by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2014</b> , 808, 115-23                             | 6.6  | 7  |
| 12 | Printing ink related chemicals, including synthetic phenolic antioxidants, organophosphite antioxidants, and photoinitiators, in printing paper products and implications for human exposure. <i>Environment International</i> , <b>2021</b> , 149, 106412        | 12.9 | 7  |
| 11 | A New Method for the Measurement of Airborne Formaldehyde Using Derivatization with 3,5-Bis(Trifluoromethyl) Phenylhydrazine and Analysis by GC-ECD and GC-MS/SIM. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2000</b> , 76, 241-256 | 1.8  | 6  |
| 10 | The Environmental Degradation and Distribution of Saflufenacil, a Fluorinated Protoporphyrinogen IX Oxidase-Inhibiting Herbicide, on a Canadian Winter Wheat Field. <i>Environmental Toxicology and Chemistry</i> , <b>2020</b> , 39, 1918-1928                   | 3.8  | 4  |
| 9  | Atmospheric Fate of a New Polyfluoroalkyl Building Block, CFOCHFCFSCHCHOH. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,  | 10.3 | 3  |
| 8  | Ecological impact and environmental fate of perfluorooctane sulfonate on the zooplankton community in indoor microcosms <b>2002</b> , 21, 1490  |      | 2  |

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|---|--|------|---|
| 7 | Rat Metabolism Study Suggests 3-(3,5-Di--butyl-4-hydroxyphenyl)propionic Acid as a Potential Urinary Biomarker of Human Exposure to Representative 3-(3,5-Di--butyl-4-hydroxyphenyl)propionate Antioxidants. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 14051-14058 | 10.3 | 2 |
| 6 | The Sulfoximine Insecticide Sulfoxaflor and Its Photodegradate Demonstrate Acute Toxicity to the Nontarget Invertebrate Species <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 2156-2164   | 3.8  | 2 |
| 5 | Global Distribution of Polyfluoroalkyl and Perfluoroalkyl Substances and their Transformation Products in Environmental Solids <b>2014</b> , 797-826   |      | 1 |
| 4 | Perfluoroalkyl Compounds 25-69   |      | 1 |
| 3 | Significant Reductive Transformation of 6:2 Chlorinated Polyfluorooctane Ether Sulfonate to Form Hydrogen-Substituted Polyfluorooctane Ether Sulfonate and Their Toxicokinetics in Male Sprague-Dawley Rats. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,                 | 10.3 | 1 |
| 2 | In Vivo Transformation of a Novel Polyfluoroether Surfactant. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 3328-3336  | 3.8  | 0 |
| 1 | An Undergraduate Field Experiment for Measuring Exposure to Environmental Tobacco Smoke in Indoor Environments. <i>Journal of Chemical Education</i> , <b>1999</b> , 76, 1700  | 2.4  |   |