

RONALD A. HITES

School of Public and Environmental Affairs
Indiana University
Bloomington, IN 47405
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PROFESSIONAL EXPERIENCE

Distinguished Professor, Indiana University, Bloomington, 1989-present
Professor of Public and Environmental Affairs and of Chemistry, Indiana University, Bloomington, 1979-1989
Associate and Assistant Professor of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, 1972-1979
Research Staff, Department of Chemistry, Massachusetts Institute of Technology, Cambridge, 1969-1972
National Academy of Sciences Postdoctoral Associate, Agricultural Research Service, Peoria, Illinois, 1968-1969

EDUCATION

Doctor of Philosophy in Analytical Chemistry, Massachusetts Institute of Technology, Cambridge, 1968; studied with Professor Klaus Biemann (member of the National Academy of Sciences)
Bachelor of Arts in Chemistry, Oakland University, Rochester, Michigan, 1964

HONORS (SELECTED)

Lifetime Achievement Award, International Association for Great Lakes Research, 2016
"Ronald A. Hites Tribute Issue," *Environmental Science & Technology*, 1 December 2015
Society of Environmental Toxicology and Chemistry Charter Fellow, 2014-present
American Chemical Society Charter Fellow, 2009-present
Ron Hites Award for an Outstanding Research Publication in the *Journal of the American Society for Mass Spectrometry*, named in Prof. Hites' honor in November 2008
President, Board of Directors, International Association for Great Lakes Research, 2008-2009
Associate Editor, *Environmental Science & Technology*, 1990-present
American Association for the Advancement of Science Fellow, 1996-present
Founders Award from the Society of Environmental Toxicology and Chemistry, 1993
Award for Creative Advances in Environmental Science from the American Chemical Society, 1991

PROFESSIONAL ACTIVITIES (RECENT)

Associate Editor, *Environmental Science & Technology*, 1990-present; Editorial Board, 1988-1990
Integrated Atmospheric Deposition Network, International Steering Committee, United States Environmental Protection Agency, Great Lakes National Program Office, Chicago, Illinois, 1994-present
Dioxin Exposure Study, Scientific Advisory Board, University of Michigan, School of Public Health, Ann Arbor, Michigan, 2004-2010

CURRENT ASSOCIATION MEMBERSHIPS

International Association for Great Lakes Research (Past-president 2009-2010, President 2008-2009, President-elect 2007-2008, Board of Directors, 2006-2010)
Society for Environmental Toxicology and Chemistry (Board of Directors, 1997-2000; Chair, Awards and Fellowships Committee, 1998-2000; Nominating Committee, 2003; Fellow, 2014-present)
American Society for Mass Spectrometry (Past-President, 1990-1992; President, 1988-1990; Vice-President for Programs, 1986-1988; Program Review Committee, 1983-1990; Environmental Interest Group, Chair, 1983-1986)
American Chemical Society (Fellow, 2009-present)
American Association for the Advancement of Science (Fellow, 1996-present)
Sigma Xi

UNIVERSITY SERVICE ACTIVITIES (RECENT)

School of Public and Environmental Affairs Policy Committee (elected), 2012-2014
School of Public and Environmental Affairs Promotion and Tenure and Personnel Committees, 2004-2010 (chair, 2006-2010)
School of Public and Environmental Affairs Search and Screen Committees for Commitment to Excellence Faculty Members, Environmental Scientists, 2003-2007 (chair)
School of Public and Environmental Affairs Doctor of Philosophy in Environmental Science Committee, 1988-2013
Indiana University School of Public and Environmental Affairs Dean Review Committee, 2012-2013
Indiana University School of Public and Environmental Affairs Dean Search Committee, 2007-2008
Indiana University School of Public and Environmental Affairs Dean Review Committee, 2005-2006

ACTIVE RESEARCH GRANT(S)

Deposition of Toxic Organic Compounds to the Great Lakes: The Integrated Atmospheric Deposition Network; United States Environmental Protection Agency, Great Lakes National Program Office; Active period 7/16/94 to 9/30/19; Budget \$6,000,000 from 2014-2019; Hites' Effort: 25% academic year, 50% summer.

POST-DOCTORAL RESEARCH ASSOCIATES TRAINED

Jiehong Guo, 2017, Research Associate, University of Minnesota, Minneapolis, Minnesota
Liang-Ying Liu, 2016, Associate Professor, Jinan University, Guangzhou, China
Angela A. Pevery, 2015, Assistant Professor, Eureka College, Eureka, Illinois
Amina Salamova, 2011, Assistant Scientist, Indiana University, Bloomington
Daekyun Kim, 2011, Research Associate, Clemson University
Marta Venier, 2008, Assistant Scientist, Indiana University, Bloomington
Xinghua Qiu, 2008, Associate Professor, Peking University, Beijing, China
Ping Sun, 2007, Staff Scientist, Procter and Gamble, Cincinnati, Ohio
Lingyan Zhu, 2005, Professor, Nankai University, China
Daniel L. Carlson, 2004, Research Staff, University of Minnesota (retired)
Woojin Lee, 2003, Professor, Department of Civil Engineering, Nazarbayev University, Astana, Republic of Kazakhstan
Victor Khamaganov, 2000, Visiting Professor, Katholieke Universiteit Leuven, Leuven, Belgium
Bo Strandberg, 2001, Associate Professor, Lund University Hospital and Lund University, Lund, Sweden
Matt F. Simcik, 1999, Associate Professor, University of Minnesota, School of Public Health
Kristie Willett, 1998, Chair, Department of BioMolecular Sciences and Professor of Pharmacology & Environmental Toxicology, The University of Mississippi
Barbara Hillery, 1997, Professor of Chemistry and Dean of Arts and Sciences, State University of New York at Old Westbury
Shinya Hashimoto, 1994, Professor, Tokyo University of Fisheries, Tokyo, Japan
Laurel J. Standley, 1989, Scientist and Author, Beaverton, Oregon
Mark Hermanson, 1988, Principal, Hermanson & Associates LLC, Minneapolis, Minnesota
Hiroaki Shiraishi, 1988, Senior Scientist, National Institute for Environmental Studies, Onogawa, Japan
Edward T. Furlong, 1987, Research Chemist, United States Geological Survey, Denver, Colorado
Deborah L. Swackhamer, 1986, Professor, Humphrey School of Public Affairs, School of Public Health, and Water Resources Center, University of Minnesota (retired)
M. Judith Charles, 1985, Associate Professor, University of California Davis (deceased)
Ray Kaminsky, 1983, Senior Scientist, AECOM, Oakland, California (retired)
Trescott E. Jensen, 1982, Research Scientist, Ford Motor Company, Dearborn, Michigan (retired)
Philip M. Gschwend, 1981, Professor, Massachusetts Institute of Technology, Cambridge, Massachusetts
Bertha L. Proctor, 1980, Professor, Mankato State University, Mankato, Minnesota
Vincent A. Elder, 1980, Senior Research Scientist, Frito-Lay, Plano, Texas
Ming-Li Yu, 1980, Research Scientist, Cummins Engine Company, Columbus, Indiana (retired)

Linda (Li) Ng, 1979, Senior Policy Advisor, Food & Drug Administration, Washington, DC
 Charles R. Nelson, 1979, Department of Earth Sciences, Denver Museum of Nature & Science, Denver, Colorado.
 Robert Laflamme, 1978, Biomedical/pharmacy Facility, Hopkinton, Massachusetts (deceased)
 Linda J. Sheldon, 1978, Senior Research Scientist, United States Environmental Protection Agency, Research Triangle Park, North Carolina (retired)
 John G. Windsor, Jr., 1978, Professor Emeritus, Florida Institute of Technology, Melbourne, Florida
 George R. Dubay, 1977, Genetics and Computational Biology, Duke University School of Medicine, Durham, North Carolina
 Gregory A. Jungclaus, 1977, Senior Chemist, AECOM, Waste Isolation Pilot Plant, Carlsbad, New Mexico
 Larry M. Games, 1977, Vice President, Proctor and Gamble, Cincinnati, Ohio (retired)
 Milton L. Lee, 1976, H. Tracy Hall Professor, Brigham Young University, Provo, Utah (retired)

DOCTORAL RESEARCH SCIENTISTS TRAINED

Yuning Ma, 2013, Lecturer, Shanghai Jiao Tong University, Shanghai, China
 Amina Salamova, 2011, Assistant Scientist, Indiana University, Bloomington
 Marta Venier, 2008, Assistant Scientist, Indiana University, Bloomington
 Jonathan D. Raff, 2007, Associate Professor, Indiana University, Bloomington, Indiana
 Eunha Hoh, 2006, Professor, San Diego State University, California
 William D. Hafner, 2005, Environmental Consultant, NewFields, Edmonds, Washington
 Stephanie S. Buehler, 2003, Principal Research Scientist, Battelle Memorial Institute, Columbus, Ohio
 Nathan G. Dodder, 2003, Research Scientist, San Diego State University Research Foundation, California.
 Jeffery G. McDonald, 2002, Associate Professor (Research), University of Texas Southwestern Medical Center, Dallas, Texas
 Ryan R. James, 2001, Senior Research Scientist, Battelle Memorial Institute, Columbus, Ohio
 Elin M. Ulrich, 2000, Research Chemist, United States Environmental Protection Agency, Research Triangle Park, North Carolina
 John I. Baker, 2000, Field Sales Representative, Restek Incorporated, Muncie, Indiana
 Donald R. Cortes, 1999, Research Scientist, STAT Analysis Group, Chicago, Illinois
 Diane (Wagrowski) Diehl, 1999, Senior Director, Waters Corporation, Milford, Massachusetts
 Susan T. Glassmeyer, 1998, Research Staff, United States Environmental Protection Agency, Cincinnati, Ohio
 W. Wayne Brubaker, Jr., 1998, Johnson Matthey, Philadelphia, Pennsylvania
 Thomas W. Burgoyne, 1996, Scientist, Jacam Chemicals Company, Sterling, Kansas
 Jeffrey C. Wallace, 1995, Senior Analytical Chemist, DuPont Crop Protection, LaPorte, Texas
 Philip N. Anderson, 1995, Senior Research Investigator, Analytical Development, Array BioPharma Incorporated, Boulder, Colorado
 Louis P. Brzuzy, 1995, Research Scientist, Shell Development Corporation, Houston, Texas
 Michael J. Howdeshell, 1995, Vice President, Select Energy Services, Fort Worth, Texas
 Staci L. Simonich, 1995, Associate Vice-president for Research and Professor, Oregon State University, Corvallis, Oregon
 Voon S. Ong, 1994, Executive Director, Preclinical Development/Clinical Pharmacology, Cidara Therapeutics, San Diego, California
 Sandra Y. Panshin, 1994, Research Scientist, United States Environmental Protection Agency, Corvallis, Oregon (retired)
 Anthony J. Borgerding, 1993, Professor, University of Saint Thomas, Saint Paul, Minnesota
 Mark S Krieger, 1993, Global Leader Crop Protection Regulatory Sciences, Dow AgroSciences, Indianapolis, Indiana
 Donna (Carter) Griffen, 1992, Financial Advisor, Merrill Lynch, Kensington, Connecticut
 Carolyn J. Koester, 1991, Research Scientist, Lawrence Livermore National Laboratory, Livermore, California
 Mark A. Dearth, 1990, Global Attribute Leader and Technical Expert, Ford Motor Company, Dearborn, Michigan
 Brian D. Eitzer, 1989, Research Scientist, Connecticut Agriculture Experiment Station, New Haven, Connecticut

Thomas D. Behymer, 1987, Deputy Division Director, National Exposure Research Laboratory, United States Environmental Protection Agency, Cincinnati, Ohio
Bruce D. McVeety, 1986, Research Leader, Hazardous Materials Research Center, Battelle Memorial Institute, Columbus, Ohio
Elizabeth A. Stemmler, 1986, James Stacy Coles Professor of Natural Sciences, Bowdoin College, Brunswick, Maine
William J. Simonsick, Jr., 1985, Principal Investigator, Lubrizol Corporation, Cleveland, Ohio (deceased)
Rudolf Jaffe, 1985, Professor, Florida International University, Miami, Florida
Timothy J. Wozniak, 1984, Research Fellow, Eli Lilly Company, Indianapolis, Indiana (retired)
Jean (Czuczwa) Rhodes, 1984, Environmental Regulatory Expert (semi-retired)
Viorica Lopez-Avila, 1979, Senior Research Scientist, Agilent Corporation, Palo Alto, California

PUBLICATIONS

Tri(2,4-di-*t*-butylphenyl) phosphate: A previously unrecognized, abundant, ubiquitous pollutant in the built and natural environment, *Environmental Science & Technology*, submitted 31 May 2018; with M. Venier, W. A. Stubbings, J. Guo, K. Romanak, L. V. Nguyen, L. Jantunen, L. Melymuk, V. Arrandale, and M. L. Diamond.

Temporal trends of PCBs and DDTs in Great Lakes fish compared to those in air, *Science of the Total Environment*, accepted 24 July 2018; with T. M. Holsen.

The IADN Data Visualization Tool, *Science of the Total Environment*, **645**, 1617-1619 (2018); with M. Venier, D. C. Lehman, and A. Salamova.

Atmospheric flows of semi-volatile organic pollutants to the Great Lakes estimated by the United States' Integrated Atmospheric Deposition and Canada's Great Lakes Basin Monitoring and Surveillance Networks, *Journal of Great Lakes Research*, **44**, 665-677 (2018); with J. Guo, A. Salamova, M. Venier, H. Dryfhout-Clark, N. Alexandrou, S. Backus, L. Bradley, and H. Hung.

Temporal trends of Dechlorane Plus in air and precipitation around the North American Great Lakes, *Science of the Total Environment*, **642**, 537-542 (2018); with O. I. Olukunle, D. C. Lehman, A. Salamova, and M. Venier.

Spatial and seasonal distributions of current use pesticides (CUPs) in the atmospheric particle phase in the Great Lakes region, *Environmental Science & Technology*, **52**, 6177-6186 (2018); with S. Wang, A. Salamova, and M. Venier.

The academic office visit, *Environmental Science & Technology*, **52**, 4490 (2018) (**Viewpoint**).

Atmospheric concentrations of PCB-11 near the Great Lakes have not decreased since 2004, *Environmental Science & Technology Letters*, **5**, 131-135 (2018).

Atmospheric concentrations of hexabromocyclododecane (HBCDD) diastereomers in the Great Lakes region, *Chemosphere*, **200**, 464-470 (2018); with O. I. Olukunle, M. Venier, and A. Salamova.

2017

Umweltchemie: Eine Einführung mit Aufgaben und Lösungen, Wiley-VCH, Weinheim, Germany, 2017; with J. D. Raff and P. Wiesen (translator). (German version of textbook: *Elements of Environmental Chemistry*, 2nd edition, 2012); with J. D. Raff.

Updated polychlorinated biphenyl mass budget for Lake Michigan, *Environmental Science & Technology*, **51**, 12455-12465 (2017); with J. Guo, K. Romanak, S. Westenbroek, A. Li, R. Kreis, and M. Venier.

Current-use flame retardants in the water of Lake Michigan tributaries, *Environmental Science & Technology*, **51**, 9960-9969 (2017); with J. Guo, K. Romanak, S. Westenbroek, and M. Venier.

Comment on "Polychlorinated Biphenyls in Tree Bark near Former Manufacturing and Incinerator Facilities in Sauget, Illinois, United States," *Environmental Science & Technology*, **51**, 8204-8205 (2017). [Response: Hermanson et al., **51**, 8206-8207].

Review of *Environmental Organic Chemistry*, Third Edition, R. P. Schwarzenbach, P. M. Gschwend, and D. M. Imboden, *Science of the Total Environment*, **605-606**, 646 (2017); with J. D. Raff.

Calculating the confidence and prediction limits of a rate constant at a given temperature from an Arrhenius equation using Excel, *Journal of Chemical Education*, **94**, 398-400 (2017). [Comment: Pernot, **94**, 1399-1401; Response **94**, 1402-1403].

Bioaccumulation of dechloranes, organophosphate esters, and other flame retardants in Great Lakes fish, *Sci-*

ence of the Total Environment, **583**, 1-9 (2017); with J. Guo, M. Venier, and A. Salamova.

2016

Precision of atmospheric POPs concentration measurements, *Environmental Science & Technology*, **50**, 13464-13469 (2016); with D. C. Lehman and J. C. Bays.

Spatial and temporal trends of particle phase organophosphate ester concentrations in the atmosphere of the Great Lakes, *Environmental Science & Technology*, **50**, 13249-13255 (2016); with A. Salamova, A. A. Peverly, and M. Venier.

Identification of Marbon in the Indiana Harbor and Ship Canal, *Environmental Science & Technology*, **50**, 13232-13238 (2016); with J. Guo, M. Venier, K. Romanak, and S. Westenbroek.

Ten years after entry into force of the Stockholm Convention: What do air monitoring data tell about its effectiveness? *Environmental Pollution*, **217**, 149-158 (2016); with H. Wöhrnschimmel, M. Scheringer, C. Bogdal, H. Hung, A. Salamova, M. Venier, A. Katsoyiannis, K. Hungerbühler, and H. Fiedler.

Temporal trends of persistent organic pollutant concentrations in precipitation around the Great Lakes, *Environmental Pollution*, **217**, 143-148 (2016); with M. Venier and A. Salamova.

Development of gas chromatographic mass spectrometry, *Analytical Chemistry*, **88**, 6955-6961 (2016). (**Perspective**)

Novel Flame Retardant in the Great Lakes Atmosphere: 3,3',5,5'-Tetrabromobisphenol A bis(2,3-dibromopropyl) ether, *Environmental Science & Technology Letters*, **3**, 194-199 (2016); with L. Y. Liu, M. Venier, and A. Salamova.

Trends in the levels of halogenated flame retardants in the Great Lakes atmosphere over the period 2005-2013, *Environment International*, **92-93**, 442-449 (2016); with L. Y. Liu, A. Salamova, and M. Venier.

Hair and nails as non-invasive biomarkers of human exposure to brominated and organophosphate flame retardants, *Environmental Science & Technology*, **50**, 3065-3073 (2016); with L. Y. Liu, K. He, and A. Salamova.

Comment on "Halogenated indigo dyes: A likely source of 1,3,6,8-tetrabromocarbazole and some other halogenated carbazoles in the environment," *Chemosphere*, **144**, 273-274 (2016); with A. A. Peverly. [Response: Parette et al. **150**, 414-415].

2015

Locating POPs sources with tree bark, *Environmental Science & Technology*, **49**, 13743-13748 (2015); with A. A. Peverly and A. Salamova. (**Feature**)

A statistical approach for left-censored data: Distributions of atmospheric PCB concentrations near the Great Lakes as a case study, *Environmental Science & Technology Letters*, **2**, 250-254 (2015).

Halogenated flame retardants in the Great Lakes environment, *Accounts of Chemical Research*, **48**, 1853-1861 (2015); with M. Venier and A. Salamova. (**Invited & Editors' Choice**)

Analysis of polybrominated diphenyl ethers and emerging halogenated and organophosphate flame retardants in human hair and nails, *Journal of Chromatography A*, **1406**, 251-257 (2015); with L. Y. Liu, A. Salamova, and Ka He.

Chicago's Sanitary and Ship Canal: Polycyclic aromatic hydrocarbons, polychlorinated biphenyls, brominated flame retardants, and organophosphate esters, *Chemosphere*, **134**, 380-386 (2015); with A. A. Peverly, C. O'Sullivan, L. Y. Liu, M. Venier, A. Martinez, and K. C. Hornbuckle.

Variations of flame retardant, polycyclic aromatic hydrocarbon, and pesticide concentrations in Chicago's atmosphere measured using passive sampling, *Environmental Science & Technology*, **49**, 5371-5379 (2015); with A. A. Peverly, Y. Ma, M. Venier, Z. Rodenburg, S. N. Spak, and K. C. Hornbuckle.

Reminiscences of a simple country chemist, *Mass Spectrometry Reviews*, **34**, 265-267 (2015) (**Invited**).

Revised temporal trends of persistent organic pollutant concentrations in air around the Great Lakes, *Environmental Science & Technology Letters*, **2**, 20-25 (2015); with A. Salamova and M. Venier.

2014

Air is still contaminated 40 years after the Michigan Chemical plant disaster in St. Louis, Michigan, *Environmental Science & Technology*, **48**, 11154-11160 (2014); with A. A. Peverly and A. Salamova.

How to give a scientific talk, present a poster, and write a research paper or proposal, *Environmental Science & Technology*, **48**, 9960-9964 (2014) (**Perspective**).

Halogenated flame retardants in baby food from the United States and from China and the estimated dietary intake by infants, *Environmental Science & Technology*, **48**, 9812-9818 (2014); with L. Y. Liu and A.

Salamova.

Flame retardants and legacy chemicals in Great Lakes' water, *Environmental Science & Technology*, **48**, 9563-9572 (2014); with M. Venier, A. Dove, K. Romanak, and S. Backus.

Organophosphate and halogenated flame retardants in atmospheric particles from a European Arctic site, *Environmental Science & Technology*, **48**, 6133-6140 (2014); with A. Salamova and M. Hermanson.

DDT and HCH, two discontinued organochlorine insecticides in the Great Lakes region: Isomer trends and sources, *Environment International*, **69**, 159-165 (2014); with M. Venier.

Interstudy and intrastudy temporal variations of PCB, pesticide, and PAH concentrations in air and precipitation at a rural site in Ontario, *Environmental Science & Technology Letters*, **1**, 226-230 (2014); with L. Y. Liu and A. Salamova.

High levels of organophosphate flame retardants in the Great Lakes atmosphere, *Environmental Science & Technology Letters*, **1**, 8-14 (2014); with A. Salamova, Y. Ma, and M. Venier.

Differences in spatiotemporal variations of atmospheric PAH levels between North America and Europe: Data from two air monitoring projects, *Environment International*, **64**, 48-55 (2014); with L. Y. Liu, P. Kuskucka, M. Venier, A. Salamova, and J. Klanova.

2013

Has the phase-out of PBDEs affected their environmental levels? Trends of PBDEs and their replacements in the Great Lakes atmosphere, *Environmental Science & Technology*, **47**, 11457-11464 (2013); with Y. Ma, A. Salamova, and M. Venier.

Post-1990 temporal trends of PCBs and organochlorine pesticides in the atmosphere and in fish from Lakes Erie, Michigan, and Superior, *Environmental Science & Technology*, **47**, 9109-9114 (2013); with A. Salamova, T. Holsen, and J. Pagano.

Science in TSCA reform. *Chemical & Engineering News*, **91**, 3-3 (12 August 2013); with R. Lohmann and H. M. Stapleton.

Science should guide TSCA reform: A viewpoint. *Environmental Science & Technology*, **47**, 8995-8996 (2013); with R. Lohmann and H. M. Stapleton.

Electron impact, electron capture negative ionization, and positive chemical ionization mass spectra of organophosphorus flame retardants and plasticizers, *Journal of Mass Spectrometry*, **48**, 931-936 (2013); with Y. Ma.

Brominated and chlorinated flame retardants in tree bark from around the globe, *Environmental Science & Technology*, **47**, 349-354 (2013); with A. Salamova.

2012

Tribromophenoxy flame retardants in the Great Lakes atmosphere, *Environmental Science & Technology*, **46**, 13112-13117 (2012); with Y. Ma and M. Venier.

Bromobenzene flame retardants in the Great Lakes atmosphere, *Environmental Science & Technology*, **46**, 8653-8660 (2012); with M. Venier and Y. Ma.

Kinetic isotope effects and rate constants for the gas-phase reactions of three deuterated toluenes with OH from 298-353 K, *International Journal of Chemical Kinetics*, **44**, 821-827 (2012); with D. Kim and P. S. Stevens.

Elements of Environmental Chemistry, Second Edition, John Wiley and Sons, Hoboken, New Jersey, 2012; with J. D. Raff. **(Textbook)**

Temporal trends of persistent organic compounds: A comparison of different time series models, *Environmental Science & Technology*, **46**, 3928-3934 (2012); with M. Venier, H. Hung, W. Tych.

2-Ethylhexyl tetrabromobenzoate and bis(2-ethylhexyl) tetrabromophthalate flame retardants in the Great Lakes atmosphere, *Environmental Science & Technology*, **46**, 204-208 (2012); with Y. Ma, and M. Venier.

2011

Dechlorane Plus in the atmosphere and precipitation near the Great Lakes, *Environmental Science & Technology*, **45**, 9924-9930 (2011); with A. Salamova.

Discontinued and alternative brominated flame retardants in the atmosphere and precipitation from the Great Lakes Basin, *Environmental Science & Technology*, **45**, 8698-8706 (2011); with A. Salamova.

Dechlorane Plus and related compounds in the environment: A review, *Environmental Science & Technology*, **45**, 5088-5098 (2011); with E. Sverko, G. T. Tomy, E. J. Reiner, Y. F. Li, B. E. McCarry, J. A. Arnot, and R. J. Law.

Flame retardants in the serum of pet dogs and in their food, *Environmental Science & Technology*, **45**, 4602-4608 (2011); with M. Venier.

Rate constants for the gas-phase reactions of OH and O₃ with β-ocimene, β-myrcene, and α- and β-farnesene as a function of temperature, *Journal of Physical Chemistry A*, **115**, 500-506 (2011); with D. Kim and P. S. Stevens.

Radical dependence of the yields of methacrolein and methyl vinyl ketone from the OH-initiated oxidation of isoprene under NO_x-free conditions, *Environmental Science & Technology*, **45**, 923-929 (2011); with M. A. Navarro, S. Dusanter, and P. S. Stevens.

Dioxins: An overview and history, *Environmental Science & Technology*, **45**, 16-20 (2011) (**Invited**).

Toward identifying the next generation of Superfund and hazardous waste site contaminants, *Environmental Health Perspectives*, **119**, 6-10 (2011); with W. P. Ela, D. L. Sedlak, and 20 others [a workshop report].

2010

Time trend analysis of atmospheric POPs concentrations near the Great Lakes since 1990, *Environmental Science & Technology*, **44**, 8050-8055 (2010); with M. Venier.

Evaluation of tree bark as a passive atmospheric sampler for flame retardants, PCBs, and organochlorine pesticides, *Environmental Science & Technology*, **44**, 6196-6201 (2010); with A. Salamova.

Flame retardants and organochlorine pollutants in bald eagle plasma from the Great Lakes region, *Chemosphere*, **80**, 1234-1240 (2010); with M. Venier, M. Wierda, and W. W. Bowerman.

Regression model of partial pressures of PCBs, PAHs, and organochlorine pesticides in the Great Lakes' atmosphere, *Environmental Science & Technology*, **44**, 618-623 (2010); with M. Venier.

2009

Brominated flame retardants in serum from the general population in northern China, *Environmental Science & Technology*, **43**, 6963-6968 (2009); with L. Y. Zhu and B. L. Ma.

Partial pressures of PCB-11 in air from several Great Lakes sites, *Environmental Science & Technology*, **43**, 6488-6492 (2009); with I. Basu, K. A. Arnold, and M. Venier.

Rate constants for the gas-phase β-myrcene + OH and isoprene + OH reactions as a function of temperature, *International Journal of Chemical Kinetics*, **41**, 407-413 (2009); with A. M. Turner.

Polychlorinated dibenzo-p-dioxins and dibenzofurans in the atmosphere around the Great Lakes, *Environmental Science & Technology*, **43**, 1036-1041 (2009); with M. Venier and J. Ferrario.

Findings from quality assurance activities of the Integrated Atmospheric Deposition Network, *Journal of Environmental Monitoring*, **11**, 277-296 (2009); with R. Wu, S. Backus, I. Basu, P. Blanchard, K. A. Brice, H. Dryfhout-Clark, P. Fowlie, and M. L. Hulting.

Hydroxylated metabolites of polybrominated diphenyl ethers (PBDEs) in human blood samples from the United States, *Environmental Health Perspectives*, **117**, 93-98 (2009); with X. Qiu and R. M. Bigsby.

2008

Atmospheric deposition of PBDEs to the Great Lakes featuring a Monte Carlo analysis of errors, *Environmental Science & Technology*, **42**, 9058-9064 (2008); with M. Venier.

Flame retardants in the atmosphere near the Great Lakes, *Environmental Science & Technology*, **42**, 4745-4751 (2008); with M. Venier.

Electron impact and electron capture negative ionization mass spectra of polybrominated diphenyl ethers and methoxylated polybrominated diphenyl ethers, *Environmental Science & Technology*, **42**, 2243-2252 (2008).

Dechlorane Plus and other flame retardants in tree bark from the northeastern United States, *Environmental Science & Technology*, **42**, 31-36 (2008); with X. H. Qiu.

2007

Deposition versus photochemical removal of PBDEs from Lake Superior air, *Environmental Science & Technology*, **41**, 6725-6731 (2007); with J. D. Raff

Elevated PBDE levels in pet cats: Sentinels for humans? *Environmental Science & Technology*, **41**, 6350-6356 (2007); with J. Dye, M. Venier, L. Y. Zhu, C. R. Ward, and L. S. Birnbaum.

Dechlorane Plus and other flame retardants in a sediment core from Lake Ontario, *Environmental Science & Technology*, **41**, 6014-6019 (2007); with X. H. Qiu and C. H. Marvin.

Elements of Environmental Chemistry, John Wiley and Sons, Hoboken, New Jersey, 2007 (**Textbook**)

Measurement of polybrominated diphenyl ethers and metabolites in mouse plasma after exposure to a commer-

cial pentabromo diphenyl ether mixture, *Environmental Health Perspectives*, **115**, 1052-1058 (2007); with X. Qiu, M. Mercado-Feliciano, and R. M. Bigsby.

Temporal and spatial trends of atmospheric polychlorinated biphenyl concentrations near the Great Lakes, *Environmental Science & Technology*, **41**, 1131-1136 (2007); with P. Sun, P. Blanchard, and K. A. Brice.

Chiral organochlorine pesticides in the atmosphere, *Atmospheric Environment*, **41**, 768-775 (2007); with M. Venier.

2006

Atmospheric organochlorine pesticide concentrations near the Great Lakes: Temporal and spatial trends, *Environmental Science & Technology*, **40**, 6587-6593 (2006); with P. Sun, P. Blanchard, and K. A. Brice.

Trends in polycyclic aromatic hydrocarbon concentrations in the Great Lakes atmosphere, *Environmental Science & Technology*, **40**, 6221-6227 (2006); with P. Sun, P. Blanchard, and K. A. Brice.

Gas-phase reactions of polybrominated diphenyl ethers with OH radicals, *Journal of Physical Chemistry A*, **110**, 10783-10792 (2006); with J. Raff.

Brominated flame retardants in tree bark from North America, *Environmental Science & Technology*, **40**, 3711-3716 (2006); with L. Y. Zhu.

Consumption advisories for salmon based on risk of cancer and non-cancer health effects, *Environmental Research*, **101**, 263-274 (2006); with X. Huang, J. A. Foran, M. C. Hamilton, B. A. Knuth, S. J. Schwager, D. O. Carpenter.

Risks and benefits of seafood consumption, *American Journal of Preventative Medicine*, **30**, 438-439 (2006); with J. A. Foran, D. O. Carpenter, D. H. Good, M. C. Hamilton, B. A. Knuth, S. J. Schwager.

Comment on "Biodegradation of α -pinene in biofilms and biofilters", *Environmental Science & Technology*, **40**, 2493 (2006). [Response: Allen, D. G.; Miller, M. J. **40**, 2494].

Temporal and spatial trends of organochlorine pesticides in Great Lakes precipitation, *Environmental Science & Technology*, **40**, 2135-2141 (2006); with P. Sun, S. Backhus, and P. Blanchard.

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