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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 Fellow, Agricultural Research Service, Peoria, Illinois, 1968-1969

EDUCATION

Ph. D. in Analytical Chemistry, Massachusetts Institute of Technology, Cambridge, 1968; studied with Professor Klaus Biemann (member of the National Academy of Sciences)
B. A. in Chemistry, Oakland University, Rochester, Michigan, 1964

HONORS (RECENT)

American Chemical Society Fellow, 2009-present
Ronald A. Hites Award for an Outstanding Research Publication in the *Journal of the American Society for Mass Spectrometry*, created in November 2008
President, Board of Directors, International Association for Great Lakes Research, 2008-2009
Steelman Lecture, Lenoir-Rhyne College, Hickory, North Carolina, 2007
Associate Editor, *Environmental Science and Technology*, 1990-present
Institute of Scientific Information, A Highly Cited Author in Engineering (Prof. Hites is one of a hundred highly cited authors out of a total of about 500,000 in the field of engineering)
President's Lecture, Florida International University, Miami, Florida, April 2001.
Fred Weissman Lecture in Analytical Chemistry at the University of South Carolina, Columbia, South Carolina, September, 2000
Board of Directors, Society for Environmental Toxicology and Chemistry, 1997-2000
Chairman, 17th International Conference on Dioxins and Related Compounds, Indianapolis, Indiana, August, 1997
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
President, American Society for Mass Spectrometry, 1988-1990

PROFESSIONAL ACTIVITIES (RECENT)

Journal Editorships and Boards

Associate Editor, *Environmental Science and Technology*, 1990-present; Editorial Board, 1988-1990

Editorial Advisory Board, *The Handbook of Environmental Chemistry*, Springer-Verlag, 2004-present

Advisory Boards and Committees (Recent)

Dioxin Exposure Study, Scientific Advisory Board, University of Michigan, School of Public Health, Ann Arbor, Michigan, 2004-2010

Integrated Atmospheric Deposition Network, International Steering Committee, United States Environmental Protection Agency, Great Lakes National Program Office, Chicago, Illinois, 1994-present

Massachusetts Institute of Technology, Center for Environmental Health Sciences, External Advisory Committee; 1989-2005; Chair 1992-1998

International Conference on Dioxins and Related Compounds, International Scientific Committee, 1994-2003; Chair of the 1997 Conference in Indianapolis

Current Memberships

International Association of Great Lakes Research (Past-president 2009-2010, President 2008-2009, President-elect 2007-2008, Board of Directors, 2006-2010)

Society of Environmental Toxicology and Chemistry (Board of Directors, 1997-2000; Chair, Awards and Fellowships Committee, 1998-2000; Nominating Committee, 2003)

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 (Executive Committee of the Environmental Division, 1986-1987; Committee on Environmental Improvement, 1981-1984)

American Association for the Advancement of Science (Fellow, 1996-present)

Association of Environmental Engineering and Science Professors

Sigma Xi

UNIVERSITY SERVICE ACTIVITIES (RECENT)

School of Public and Environmental Affairs, Promotion & Tenure and Personnel Committee, 2004-present (chair, July 2006-present)

School of Public and Environmental Affairs, Search and Screen Committee for the Commitment to Excellence Faculty Member, Environmental Scientists, 2003-2007 (chair)

School of Public and Environmental Affairs, Ph.D. in Environmental Science Committee, 1988-present

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 GRANTS

“Deposition of Toxic Organic Compounds to the Great Lakes: The Integrated Atmospheric Deposition Network”; U.S. Environmental Protection Agency, Great Lakes National Program Office; Dates: 7/16/94 to 9/30/14; Annual Direct Costs: \$500,000; Hites’ Effort: 25% academic year, 50% summer.

“Kinetics of the Hydroxyl Radical (OH) and Ozone Initiated Oxidation of Biogenic Terpenes”; U.S. National Science Foundation; Dates: 9/15/06 to 8/31/11; Annual Direct Costs: \$40,000; Hites’ Effort: 10% academic year, 13% summer. This is a joint project with Prof. Phil Stevens.

RESEARCH SCIENTISTS TRAINED

Post-doctoral Associates

- Xinghua Qiu, 2008, Assistant Professor, Peking University, Beijing, China
Ping Sun, 2007, Staff Scientist, Procter & Gamble, Cincinnati, OH
Lingyan Zhu, 2005, Assistant Professor, School of Environmental Science and Engineering, Nankai University, China
Daniel Carlson, 2004, Research Staff, University of Minnesota
Woojin Lee, 2003, Korea Institute of Science and Technology, Seoul, Korea
Victor Khamaganov, 2000, Research Staff, Moscow State University (Russia)
Bo Strandberg, 2000, Research Staff, University of Stockholm
Matt F. Simcik, 1999, Associate Professor, University of Minnesota, School of Public Health
Kristine J. Willett, 1998, Associate Professor, Department of Pharmacology, University of Mississippi
Barbara Hillery, 1997, Associate Professor, State University of New York at Oak Park
Shinya Hashimoto, 1994, Professor, Tokyo University of Fisheries, Tokyo, Japan
Laurel J. Standley, 1989, Senior Scientist, Silent Spring Institute, Newton, Massachusetts
Mark Hermanson, 1988, Instructor, University of Pennsylvania, Philadelphia
Hiroaki Shiraishi, 1988, Senior Scientist, National Institute for Environmental Studies, Onogawa, Japan
Edward T. Furlong, 1987, Research Scientist, U.S. Geological Survey, Denver, Colorado
Deborah L. Swackhamer, 1986, Director, Institute of Environmental Science, and Professor, School of Public Health, University of Minnesota
M. Judith Charles, 1985, Associate Professor, University of California – Davis (deceased)
Trescott E. Jensen, 1982, Research Scientist, Ford Motor Co., Dearborn, Michigan
Philip M. Gschwend, 1981, Professor, Massachusetts Institute of Technology, Department of Civil and Environmental Engineering, Cambridge, Massachusetts
Bertha L. Proctor, 1980, Professor, Department of Environmental Sciences, Mankato State University, Mankato, Minnesota
Vincent A. Elder, 1980, Mary Kay Cosmetics, Dallas, Texas
Ming-Li Yu, 1980, Research Scientist, Cummins Engine Co., Columbus, Indiana
Charles R. Nelson, 1979, Scientific Staff, American Gas Association, Dallas, Texas
Linda J. Sheldon, 1978, Senior Research Scientist, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina
John G. Windsor, Jr., 1978, Professor, Florida Institute of Technology, Department of Oceanography and Ocean Engineering, Melbourne, Florida
George R. Dubay, 1977, Research Scientist, Duke University, Department of Chemistry, Durham, North Carolina
Larry M. Games, 1977, Vice President, Procter and Gamble, Cincinnati, Ohio
Gregory A. Jungclaus, 1977, Research Scientist, Midwest Research Institute, Kansas City, Missouri
Milton L. Lee, 1976, Distinguished Professor, Brigham Young University, Department of Chemistry, Provo, Utah

Doctors of Philosophy

- Marta Venier, 2008, Postdoctoral Associate, Indiana University, Bloomington
Jonathan D. Raff, 2007, Postdoctoral Associate, Department of Chemistry, University of California Irvine, Irvine, CA

Eunha Hoh, 2006, Assistant Professor, San Diego State University
William G. Hafner, 2005, Research Staff, University of Washington
Stephanie S. Buehler, 2003, Research Staff, Battelle Research Laboratories, Columbus, Ohio
Nathan G. Dodder, 2003, Research Scientist, National Institute of Standards and Technology, Gaithersburg, Maryland
Jeffery G. McDonald, 2002, Research Scientist, University of Texas Southwestern Medical Center, Dallas
Ryan M. James, 2001, Research Staff, Battelle Memorial Institute, Columbus, Ohio
Elin M. Ulrich, 2000, Research Staff, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina
John I. Baker, 2000, Restek Inc. Muncie, Indiana
Donald R. Cortes, 1999, Research Scientist, Air Quality Sciences, Inc., Atlanta, Georgia
Diane M. Wagrowski, 1999, Scientist, Waters Associates, Medford, Mississippi
Susan T. Glassmeyer, 1998, Research Staff, U.S. Environmental Protection Agency, Cincinnati, Ohio
W. Wayne Brubaker, Jr., 1998, Research Scientist, DuPont Experimental Station, Wilmington, Delaware
Thomas W. Burgoyne, 1996, Oklahoma State University, Stillwater, Oklahoma
Jeffrey C. Wallace, 1995, Shell Environmental Development Corporation, Houston, Texas
Philip N. Anderson, 1995, Process Chemist, NaPro BioTherapeutics, Boulder, Colorado
Louis P. Brzuzy, 1995, Research Scientist, Shell Development Corporation, Houston, Texas
Michael J. Howdeshell, 1995, Research Chemist, Exxon Corporation, Houston, Texas
Staci L. Simonich, 1995, Associate Professor, Oregon State University, Corvallis, Oregon
Voon S. Ong, 1994, Research Scientist, Purdue Pharma, Ardsley, New York
Sandra Y. Panshin, 1994, Research Scientist, U.S. Geological Survey, Indianapolis, Indiana
Anthony J. Borgerding, 1993, Associate Professor, University of St. Thomas, St. Paul, Minnesota
Mark R. Krieger, 1993, Staff Scientist, DowAgro, Indianapolis, Indiana
Donna S. Carter, 1992, Research Scientist, Uniroyal Chemicals, Middlebury, Connecticut
Carolyn J. Koester, 1991, Research Scientist, Lawrence Livermore National Laboratory, Livermore, California
Mark A. Dearth, 1990, Research Scientist, Ford Motor Co., Dearborn, Michigan
Brian D. Eitzer, 1989, Research Scientist, Connecticut Agriculture Experiment Station, New Haven, Connecticut
Thomas D. Behymer, 1987, Research Scientist, U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio
Bruce D. McVeety, 1986, Research Scientist, Battelle Research Laboratories, Columbus, Ohio
Elizabeth A. Stemmler, 1986, Professor, Department of Chemistry, Bowdoin College, Brunswick, Maine
William J. Simonsick, Jr., 1985, Research Chemist, DuPont & Co., Marshall Research and Development Laboratory, Philadelphia, Pennsylvania
Rudolf Jaffe, 1985, Professor, Florida International University, Department of Environmental Sciences, Miami, Florida
Timothy J. Wozniak, 1984, Research Scientist, Central Analytical Chemistry Division, Eli Lilly Co., Indianapolis, Indiana
Jean M. Czuczwa, 1984, Babcock & Wilcox, Alliance, Ohio
Viorica Lopez-Avila, 1979, Senior Research Scientist, Agilent Corp., Palo Alto, California

Masters of Science

- Katherine Gill, 2001, ASci Corp., Port Charlotte, Florida
Sharon E. Kendall, 1998, Reilly Tar and Chemical Co., Indianapolis, Indiana
Jacquelyn J. Vorhauer, 1998, Crane Naval Weapons Research Center, Crane, Indiana
Mary W. Tankard, 1996, Eastern Research Group, Reston, Virginia
Tanya R. Myers, 1994, Scientist, Solvay Pharmaceuticals, Marietta, Georgia
Leanne Nieu Kirk, 1994, City of Phoenix Water Department, Phoenix, Arizona
Marsha E. R. Jones, 1994, Medical Student, University of Illinois
Kelly E. Dodson, 1992, Ensys Inc., Research Triangle Park, North Carolina
Susan M. Visscher, 1990, Scientific Staff, Merck Pharmaceutical Co., Rahway, New Jersey
Anne M. Starrett, 1990, Scientific Staff, Squibb Pharmaceutical Co., Princeton, New Jersey
Michael R. Troutman, 1989, Sciex Instruments, Toronto, Canada
David J. Anderson, 1988, Research Chemist, Advanced Bioanalytical Services, Ithaca, New York
Linda A. Roll, 1986, Scientific Staff, U.S. Environmental Protection Agency, Washington, DC
Juan M. Flores, 1983, Professor, National University of Mexico, Department of Chemistry, Mexico City, Mexico

PUBLICATIONS (h-index = 62)

Tree bark is a good passive sampler for flame retardants, PCBs, and selected organochlorine pesticides, *Environmental Science & Technology*, submitted; with A. Salamova.

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

2009

Brominated flame retardants in serum from the general population in northern China, *Environmental Science and 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 and 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 and 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 and Technology*, **42**, 9058-9064 (2008); with M. Venier.

Flame retardants in the atmosphere near the Great Lakes, *Environmental Science and 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 and Technology*, **42**, 2243-2252 (2008).

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

2007

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

Elevated PBDE levels in pet cats: Sentinels for humans? *Environmental Science and 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 and Technology*, **41**, 6014-6019 (2007); with X. H. Qiu and C. H. Marvin.

Elements of Environmental Chemistry (a textbook), John Wiley & Sons, April 2007.

Measurement of polybrominated diphenyl ethers and metabolites in mouse plasma after exposure to a commercial 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 and Technology*, **41**, 1131-1136 (2007); with P. Sun, P. Blanchard, and K. A. Brice.

Chiral 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 and 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 and 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 and 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 Preventive 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 and Technology*, **40**, 2493 (2006).

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

Dechlorane Plus, a chlorinated flame retardant, in the Great Lakes, *Environmental Science and Technology*, **40**, 1184-1189 (2006); with E. Hoh and L. Y. Zhu.

Temporal trends of polychlorinated biphenyls in precipitation and air at Chicago, *Environmental Science and Technology*, **40**, 1178-1183 (2006); with P. Sun and I. Basu.

Annual variations of polycyclic aromatic hydrocarbon concentrations in precipitation collected near the Great Lakes, *Environmental Science and Technology*, **40**, 696-701 (2006); with P. Sun, S. Backhus, and P. Blanchard.

"Persistent Organic Pollutants in the Great Lakes," *Handbook in Environmental Chemistry*, Vol. 5, Part N, Springer-Verlag: Berlin & Heidelberg, Germany, 430 pp. (2006); R. A. Hites, editor.

Brominated flame retardants in the Great Lakes, in "Persistent Organic Pollutants in the Great Lakes," *Handbook in Environmental Chemistry*, Vol. 5, Part N, pp. 328-366, Springer-Verlag: Berlin & Heidelberg, Germany (2006), R. A. Hites, editor.

2005

Brominated flame retardants in the environment (A perspective), *Journal of Environmental Monitoring*, **7**, 1033-1036 (2005).

Identification of brominated carbazoles in sediment cores from Lake Michigan, *Environmental Science and Technology*, **39**, 9446-9451 (2005); with L. Y. Zhu.

Lipid composition and contaminants in farmed and wild salmon, *Environmental Science and Technology*, **39**, 8622-8629 (2005); with M. C. Hamilton, S. J. Schwager, J. A. Foran, B. A. Knuth, and D. O. Carpenter.

Effects of wind and air trajectory directions on atmospheric concentrations of persistent organic pollutants near the Great Lakes, *Environmental Science and Technology*, **39**, 7817-7825 (2005); with W. D. Hafner.

- Brominated flame retardants in the atmosphere of the east-central United States, *Environmental Science and Technology*, **39**, 7794-7802 (2005); with E. Hoh.
- Influence of local human population on atmospheric polycyclic aromatic hydrocarbon concentrations, *Environmental Science and Technology*, **39**, 7374-7379 (2005); with W. Hafner and D. Carlson.
- Polychlorinated biphenyls in salmon and salmon feed: Global differences and bioaccumulation, *Environmental Science and Technology*, **39**, 7389-7395 (2005); with D. L. Carlson.
- Relative rate and product studies of the OH-acetone reaction, *Journal of Physical Chemistry A*, **109**, 4728-4735 (2005); with J. D. Raff and P. S. Stevens.
- Brominated flame retardants in sediment cores from Lakes Michigan and Erie, *Environmental Science and Technology*, **39**, 3488-3494 (2005); with L. Y. Zhu; erratum **39**, 5904 (2005).
- Novel flame retardants, 1,2-bis(2,4,6-tribromophenoxy)ethane and 2,3,4,5,6-pentabromoethylbenzene, in environmental samples, *Environmental Science and Technology*, **39**, 2472-2477 (2005); with E. Hoh and L. Y. Zhu.
- Monitoring OH initiated oxidation kinetics of isoprene and its products using on-line mass spectrometry, *Environmental Science and Technology*, **39**, 1030-1036 (2005); with W. Lee, M. Baasandorj, and P. S. Stevens.
- Temperature dependence of atmospheric PCB concentrations, *Environmental Science and Technology*, **39**, 740-747 (2005); with D. L. Carlson.
- 2004**
- Comment on "Simulating the influence of snow on the fate of organic compounds", *Environmental Science and Technology*, **38**, 6904 (2004); with D. L. Carlson.
- Annual variations of pesticide concentrations in Great Lakes precipitation, *Environmental Science and Technology*, **38**, 5290-5296 (2004); with D. L. Carlson, and I. Basu.
- Global assessment of polybrominated diphenyl ethers in farmed and wild salmon, *Environmental Science and Technology*, **38**, 4945-4949 (2004); with J. A. Foran, S. J. Schwager, B. A. Knuth, M. C. Hamilton, and D. O. Carpenter. Response to comments, **39**, 379-380 (2005).
- Sources of toxaphene and other organochlorine pesticides in North America as determined by air measurements and PSCF analyses, *Environmental Science and Technology*, **38**, 4187-4194 (2004); with E. Hoh.
- A survey of metals in tissues of farmed Atlantic and wild Pacific salmon, *Environmental Toxicology and Chemistry*, **23**, 2108-2110 (2004); with J. A. Foran, D. O. Carpenter, M. C. Hamilton, A. Mathews Amos, and S. J. Schwager.
- Transport of suspended sediment bound toxaphene in the Mississippi River, *Environmental Science and Technology*, **38**, 2785-2791 (2004); with J. D. Raff.
- Temporal trends and spatial distributions of brominated flame retardants in archived fishes from the Great Lakes, *Environmental Science and Technology*, **38**, 2779-2784 (2004); with L. Y. Zhu.
- Differences between atmospheric persistent organic pollutant concentrations at two locations in Chicago, *Journal of Great Lakes Research*, **30**, 310-315 (2004); with I. Basu, W. D. Hafner, and W. Mills.
- Global assessment of organic contaminants in farmed salmon, *Science*, **303**, 226-229 (2004); with J. A. Foran, D. O. Carpenter, M. C. Hamilton, B. A. Knuth, S. J. Schwager. Response to comments, **305**, 475-478 (2004) and on-line.
- Polybrominated diphenyl ethers in the environment and in people: A meta-analysis of concentrations, *Environmental Science and Technology*, **38**, 945-956 (2004).
- Causes of variability in pesticide and PCB concentrations in air near the Great Lakes, *Environmental Science and Technology*, **38**, 414-422 (2004); with S. S. Buehler and I Basu.
- 2003**
- Determination of polybrominated diphenyl ethers in environmental standard reference materials, *Analytical Chemistry*, **75**, 6696-6700 (2003); with L. Zhu.
- Review of "Environmental Organic Chemistry", *Environmental Science and Technology*, **37**, 412A (2003).
- Rate constants for the gas-phase reactions of methylphenanthrenes with OH as a function of temperature. *Journal of Physical Chemistry A*, **107**, 6603-6608 (2003); with W. Lee and P. S. Stevens.
- Potential sources of pesticides, PCBs, and PAHs to the atmosphere of the Great Lakes, *Environmental Science and Technology*, **37**, 3764-3773 (2003); with W. D. Hafner.

Ecological monitoring for assessing the state of the nearshore and open waters of the Great Lakes, *Environmental Monitoring and Assessment*, **88**, 103-117 (2003); with M. A. Neilson and 15 others; erratum **93**, 321-322 (2004).

Polybrominated diphenyl ethers in maternal and fetal blood samples, *Environmental Health Perspectives*, **111**, 1249-1252 (2003); with A. Mazdai, N. G. Dodder, M. P. Abernathy, and R. M. Bigsby.

Lipophilic organic compounds in lake sediment and American coot (*Fulica americana*) tissues, both affected and unaffected by avian vacuolar myelinopathy, *Science of the Total Environment*, **311**, 81-89 (2003); with N. G. Dodder, B. Strandberg, and T. Augspurger.

Radial dilution model for the distribution of toxaphene in the United States and Canada on the basis of measured concentrations in tree bark, *Environmental Science and Technology*, **37**, 475-481 (2003); with J. G. McDonald.

2002

The Great Lakes' Integrated Atmospheric Deposition Network, *Environmental Science and Technology*, **36**, 354A-359A (2002); with S. S. Buehler.

Gas-phase polychlorinated biphenyl and hexachlorocyclohexane concentrations near the Great Lakes: An historical perspective, *Environmental Science and Technology*, **36**, 5051-5056 (2002); with S. S. Buehler and I. Basu.

Atmospheric transport of toxaphene from the southern United States to the Great Lakes region. *Environmental Science and Technology*, **36**, 3474-3481 (2002); with R. R. James.

Rate constants for the gas-phase reactions of the hydroxyl radical with isoprene, α - and β -pinene, and limonene. *Journal of Physical Chemistry A*, **106**, 2538-2544 (2002); with K. J. Gill.

Concentrations and spatial variations of polybrominated diphenyl ethers and other organochlorine compounds in fish from the Northeastern United States, *Environmental Science and Technology*, **36**, 146-151 (2002); with N. G. Dodder and B. Strandberg.

2001

Volatilization of toxaphene from Lakes Michigan and Superior, *Environmental Science and Technology*, **35**, 3653-3660 (2001); with R. R. James, J. G. McDonald, D. M. Symonik, and D. L. Swackhamer.

Concentrations of organochlorine pesticides in wine corks, *Chemosphere*, **44**, 729-735 (2001); with B. Strandberg.

A comparison of PAH, PCB, and pesticide concentrations in air at two rural sites on Lake Superior, *Environmental Science and Technology*, **35**, 2417-2422 (2001); with S. S. Buehler, and I. Basu.

Understanding enantioselective processes: A laboratory rat model for α -hexachlorocyclohexane accumulation, *Environmental Science and Technology*, **35**, 1604-1609 (2001); with E. M. Ulrich, K. L. Willett, A. Capere-Grant, and R. M. Bigsby.

Methylene retention indexes for isolated toxaphene congeners *Analytical Chemistry*, **73**, 1374-1376 (2001); with J. G. McDonald, and W. Vetter.

Concentrations and spatial variations of polybrominated diphenyl ethers and other organohalogen compounds in Great Lakes air, *Environmental Science and Technology*, **35**, 1078-1083 (2001); with B. Strandberg, N. G. Dodder, and I. Basu.

Evaluating environmental chemistry textbooks, *Environmental Science and Technology*, **35**, 32A-38A. (2001).

Rate constants for the gas-phase reactions of ozone with isoprene, α - and β -pinene, and limonene as a function of temperature, *Journal of Physical Chemistry A*, **105**, 815-822 (2001); with V. Khamaganov.

2000

Identification of chlorinated dimethoxystilbene isomers and homologues in bleached paper products, *Analytical Chemistry*, **72**, 4859-4864 (2000); with J. G. McDonald

Environmentally relevant xenoestrogen tissue concentrations correlated to biological responses in mice, *Environmental Health Perspectives*, **108**, 973-977 (2000); with E. M. Ulrich, A. Capere-Grant, S. H. Jung, and R. M. Bigsby.

Organochlorine pesticide concentrations and enantiomer fractions for chlordane in indoor air, *Atmospheric Environment*, **34**, 4131-4138 (2000); with A. D. Leone, E. M. Ulrich, C. E. Bodnar, and R. L. Falconer.

- Siskiwit Lake revisited: Time trends of polychlorinated dibenzo-*p*-dioxin and dibenzofuran deposition at Isle Royale, Michigan, *Environmental Science and Technology*, **34**, 2887-2891 (2000); with J. I. Baker.
- Is combustion the major source of polychlorinated dibenzo-*p*-dioxins and dibenzofurans in the environment? A mass balance investigation, *Environmental Science and Technology*, **34**, 2879-2886 (2000); with J. I. Baker.
- Insights into the global distribution of polychlorinated dibenzo-*p*-dioxins and dibenzofurans, *Environmental Science and Technology*, **34**, 2952-2958 (2000); with D. M. Wagrowski.
- Detection of statistically significant trends in atmospheric concentrations of semi-volatile pollutants, *Environmental Science and Technology*, **34**, 2826-2829 (2000); with D. R. Cortes.
- Chemical actinometry: Using *o*-nitrobenzaldehyde to measure lamp intensity in photochemical experiments, *Journal of Chemical Education*, **77**, 900-902 (2000); with K. L. Willett.
- Clarifying the SF₅CF₃ record, *Science*, **290**, 935 (2000).
- Rates at which toxaphene concentrations decrease in lake trout from the Great Lakes, *Environmental Science and Technology*, **34**, 1851-1855 (2000); with S. T. Glassmeyer and D. S. DeVault.
- Temporal trends in and influence of wind direction on PAH concentrations measured near the Great Lakes, *Environmental Science and Technology*, **34**, 356-360 (2000); with D. R. Cortes, I. Basu, and C. W. Sweet.
- A source of PCB contamination in modified high volume air samplers, *Environmental Science and Technology*, **34**, 527-529 (2000); with I. Basu.
- Temporal trends in semi-volatile organic contaminants in Great Lakes precipitation, *Environmental Science and Technology*, **34**, 361-367 (2000); with M. F. Simcik, R. M. Hoff, W. M. J. Strachan, C. W. Sweet, and I. Basu.
- 1999**
- Transformations of pesticides in the atmosphere: A state of the art, *Water, Air, and Soil Pollution*, **115**, 219-243 (1999); with R. Atkinson, R. Guicherit, W. P. Palm, J. N. Seiber, P. de Vooght.
- Atmospheric concentrations of toxaphene on the coast of Lake Superior, *Journal of Great Lakes Research*, **25**, 492-499 (1999); with S. T. Glassmeyer and K. A. Brice.
- Are pulp and paper mills sources of toxaphene to Lake Superior and Northern Lake Michigan? *Journal of Great Lakes Research*, **25**, 383-394 (1999); with K. E. Shanks and J. G. McDonald.
- Chlorothalonil and dacthal in Great Lakes air and precipitation samples, *Journal of Great Lakes Research*, **25**, 406-411 (1999); with R. R. James.
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