

Philip K. Hopke

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Education

Trinity College, Hartford, CT	B.S.	Chemistry	1965
Princeton University	M.A.	Chemistry	1967
Princeton University	Ph.D.	Chemistry	1969

Experience

April 2016 -	Adjunct Professor, Department of Public Health Sciences, University of Rochester Medical Center
May 2016 -	Bayard D. Clarkson Distinguished Professor Emeritus, Clarkson University
May 2019-	Guest Professor, College of Environmental Science and Engineering, Nankai University, Tianjin, PRC.
March -Nov. 2017	Head, Aerosol Technology Laboratory, Novosibirsk State Technical University, Novosibirsk, Russia
Jan. 2002- June 2015	Director, Center for Air Resources Engineering and Sciences, Clarkson University
July 2015-Apr.2016	Professor, Institute for a Sustainable Environment and Department of Chemical and Biomolecular Engineering, Clarkson University
March 2016	Visiting Scholar, Department of Building Science, Tsinghua University, Beijing, China
Jan. 2002-June 2015	Bayard D. Clarkson Distinguished Professor, Department of Chemical and Biomolecular Engineering, Clarkson University
July 2010-June 2015	Director, Institute for a Sustainable Environment, Clarkson University
Dec. 2009-June 2010	Director, Center for the Environment, Clarkson University
Aug 2008-Aug 2009	Jefferson Science Fellow, U.S. Department of State
Jan. 2006- July 2008	Visiting Professor, Department of Environmental Engineering and Management, Asian Institute of Technology, Bangkok, Thailand
Jan. 2003 - Jan. 2010	Adjunct Senior Scientist, Lovelace Respiratory Research Institute
Jan. 2002 - May 2002	Visiting Professor, Department of Chemical Engineering, University of California at Los Angeles
Jul 2000 - Dec 2001	Robert A. Plane Professor, Departments of Chemical Engineering and Chemistry, Clarkson University (Joint appointment in the Department of Civil and Environmental Engineering)
Jul 1989 - June 2000	Robert A. Plane Professor, Department of Chemistry, Clarkson University (Joint appointment in the Department of Civil and Environmental Engineering)
Jul 1999-Jul 2000	Chair, Department of Chemistry and Head, Division of Physical and Chemical Sciences, Clarkson University
Jul 1997-Jun 1999	Dean, The Graduate School, Clarkson University

Feb 1983 - June 1989 Professor of Environmental Chemistry, Institute for Environmental Studies, Department of Civil Engineering, and Department of Nuclear Engineering, University of Illinois

Aug 1987-Aug 1988 Acting Director, Program on Ancient Technologies and Archaeological Materials, University of Illinois

Aug 1984 - Jul 1985 Visiting Professor, Farmaceutisch Instituut, Vrije Universiteit Brussel, Brussels, Belgium

Aug 1982 - Feb 1983 Professor of Environmental Chemistry, Institute for Environmental Studies, and Department of Civil Engineering, University of Illinois

Oct 1979 - Feb 1983 Departmental Affiliate, Nuclear Engineering Program, University of Illinois

Aug 1978 - Aug 1982 Associate Professor of Environmental Chemistry, Institute for Environmental Studies, University of Illinois

Aug 1981 - Aug 1982 Departmental Affiliate, School of Clinical Medicine, University of Illinois

Aug 1980 - Aug 1982 Departmental Affiliate, Department of Civil Engineering, University of Illinois

May 1979 - Aug 1979 Summer Faculty Participant, Lawrence Livermore Laboratory

June 1975 - Aug 1978 Assistant Professor of Environmental Chemistry, Institute for Environmental Studies, University of Illinois

Aug 1974 - June 1975 Visiting Assistant Professor of Chemistry, University of Illinois

Sept 1970 - June 1975 Assistant Professor of Chemistry, State University College, Fredonia, NY

April 1969 - Aug 1970 Research Associate in Nuclear Chemistry, Massachusetts Institute of Technology

Jan 1970 - May 1970 Instructor, Metropolitan College of Boston University

Nov 1969 - Jan 1970 Instructor, Chemistry Department, Massachusetts Institute of Technology

Sept 1965 - Apr 1969 Graduate Student, Princeton University

1965 - 1967 Research Assistant

1967 - 1969 AEC Special Fellow in Nuclear Science & Engineering

June 1965 - Sept 1965 Summer Student, Brookhaven National Laboratory

Honors and Awards

2021 Elected as a Fellow of the Air and Waste Management Association.

2018 Fissan-Pui TSI International Aerosol Research Award with Pentti Paatero; International Aerosol Research Assembly

2018 Inductee, Albert Nelson Marquis Lifetime Achievement

2016 Constance L. Mehlman Award, International Society for Exposure Science

2015 Arthur C. Stern Distinguished Paper Award, Journal of the Air and Waste Management Association with Eugene Kim and Eric Edgerton.

2014 Lifetime Achievement Award from Chemometrics in Analytical Chemistry Conference

2008 Elected as a Fellow of the American Association for Aerosol Research.

2007 Elected as a Fellow of the American Association for the Advancement of Science

2007 Eastern Analytical Symposium Award for Outstanding Achievements in Chemometrics

2006 Elected to Membership in the International Statistics Institute

2006 International Aerosol Fellow of the International Aerosol Research Assembly
2004 David Sinclair Award of the American Association for Aerosol Research
1991 Principal Investigator Award in Air Quality Research, Ministry of the Environment,
Province of Ontario, Canada.
1965 Subscription Award, Connecticut Valley Section, American Chemical Society.
Member of the Society of Sigma Xi
Member of Phi Kappa Phi

Professional Society Affiliations

Fellow, American Association for Aerosol Research; President, 2003-2004, Vice President,
2002-2003; Vice President Elect, 2001-2002; and Member, Board of Directors, 1989-
1994.
Member, American Chemical Society and the Division of Environmental Chemistry
Member, American Institute of Chemical Engineers
Member, American Physical Society
Fellow, Air & Waste Management Association and Committee EM-2 (Receptor/Source
Apportionment); Secretary of Committee, 1983-1985; Chairman of Committee EP-2,
1989-1992.
Fellow, American Association for the Advancement of Science
Member, International Chemometrics Society
Member, Gesellschaft für Aerosolforschung
Member, International Society of Exposure Science
Member, International Society of Indoor Air Quality and Climate

Biographical Listings

American Men and Women of Science
Who's Who in the Frontiers of Science and Technology
Who's Who in Technology
Who's Who in Science and Engineering
Who's Who in the World
Who's Who in America

Public Service

Member, WHO Global Air Pollution and Health – Technical Advisory Group (GAPH-TAG)
Expert Working Group on Interventions / Policies and the Expert Working Group on
Methodologies for Source-Specific Burden of Disease, June 2021-
Member, NASEM Standing Committee on Medical and Epidemiological Aspects of Air
Pollution on U.S. Government Employees and their Families, January 2017 –May 2021
Virtual Air Quality Fellow, U.S. Department of State, Embassy Yerevan, Armenia, December
2017 –
Virtual Air Quality Fellow, U.S. Department of State, Embassy Dhaka, Bangladesh, 2020–2021
Virtual Air Quality Fellow, U.S. Department of State, Embassy Bagdad, Iraq, April 2020 –
Virtual Air Quality Fellow, U.S. Department of State, Embassy Ankara, Turkey, April 2020 -

Virtual Air Quality Fellow, U.S. Department of State, Consulate Chengdu, China, December 2017 – December 2019

Judge, Wood Stove Design Competitions, Alliance for Green Heat, 2014, 2016, 2018.

Member, NAS Committee to Review EPA's "Science to Achieve Results" Research Grants Program, June 2016 to March 2017.

Chair, Joint Canada-Alberta Oil Sands Monitoring External Expert Peer Review Panel, supported by Environment Canada and the Alberta Environmental Monitoring, Evaluation and Reporting Agency (AEMERA), 2015-16

Member, ISO Technical Committee 285, Clean Cookstoves and Clean Cooking Solutions, January 2014- .

Member, NRC Committee on Strengthening the U.S. Environmental Protection Agency Laboratory Enterprise: Phase 1--Priority Needs, Guiding Principles, and Overall Goals, September 2013 - September 2014.

Member, Board on Environmental Studies and Toxicology, National Research Council, September 2010- August 2016.

Member, Executive Committee, Council of Environmental Deans and Directors, September 2012 to August 2014.

Member, Climate and Atmospheric Sciences Committee of the State of New Jersey Department of Environmental Protection's (NJDEP) Science Advisory Board, May 2010 to present.

Member, Technical Working Group on Residential, Commercial, and Industrial, New York State Climate Action Plan Task Force, January 2010 to October 2010.

Member, Clean Air Scientific Advisory Committee Panel on Lead, U.S. Environmental Protection Agency, July 2010 to December 2015.

Member, NRC Committee to Develop a Research Strategy for Environmental, Health, and Safety Aspects of Engineered Nanomaterials, January 2010 to July 2013.

Member, Clean Air Scientific Advisory Committee Panel on Particulate Matter, U.S. Environmental Protection Agency, January 2008 to December 31, 2011.

Member, Clean Air Scientific Advisory Committee Panel on Ozone, U.S. Environmental Protection Agency, December 2004 to January 2011.

Member, NRC Committee for Review of the Army's Enhanced Particulate Matter Surveillance Project Report, July 2009 to December 2009.

Member, NRC/NAE U.S. Committee on Energy Futures and Air Pollution in Urban China and the United States, January 2005 to December 2006.

AAAR Representative to International Aerosol Research Assembly, 2004-2009.

President, October 2003 to October 2004, Vice President, October 2002 to October 2003, Vice President Elect, October 2001 to October 2002. American Association for Aerosol Research

Chair, Clean Air Science Advisory Committee, Science Advisory Board, U.S. Environmental Protection Agency, October 2000 - September 2004. Member, Clean Air Science Advisory Committee, Science Advisory Board, U.S. Environmental Protection Agency, October 1995 - September 2000; Chair, Subcommittee on Particulate Matter Monitoring, October 1999- October 2007; Member, Subcommittee on Ambient Air Monitoring and Methods, October 2007-.

Member, Executive Committee, Science Advisory Board, U.S. Environmental Protection Agency, October 2000 to September 2004.

Member, NAS/NRC Committee on Air Quality Management in the United States, March 2001 to January 2004.

Member, NAS/NRC Committee on Research Priorities for Airborne Particulate Matter, January 1998 - December 2004.

Member, Research Strategies Advisory Committee, Science Advisory Board, U.S. Environmental Protection Agency, October 1997 - September 2004.

Member, Air Quality Modeling Subcommittee, Advisory Council on Clean Air Act Compliance Analysis, Science Advisory Board, U.S. Environmental Protection Agency, March 1996 - July 2001.

Member, NAS/NRC Committee on Risk Assessment of Exposure to Radon in Drinking Water, May 1997 to December 1998.

Member, NAS/NRC Committee on the Biological Effects of Ionizing Radiation (BEIR VI), February 1994 - December 1997.

Member, NAS/NRC Committee on Risk Assessment of Hazardous Air Pollutants, August 1991 - January 1994.

Member, NAS/NRC Panel on the Assessment of NIST Programs, January 1991 - December 1993.

Principal Scientist, Radon Research Program, U.S. Department of Energy, Office of Health and Environmental Research, 1987 - 1995.

Member of U.S. Environmental Protection Agency Grants Program Peer Review Panel for Air Chemistry and Physics, May 1980 to December 1987;

Chairman of U.S. Environmental Protection Agency Grant Review Panel for Air Chemistry and Physics, December 1987 to July 1992.

Member, American Chemical Society's Task Force on Air Toxics, August 1989 - December 1991.

Member, NAS/NRC Panel on Radon Dose Extrapolation, October 1989 - July 1991.

Member, NAS/NRC Committee on Advances in Assessing Human Exposure to Airborne Pollutants, January 1988 - December 1990.

Member, Board of Education, Champaign Community Schools Unit District No. 4, April 1978 - November 1981; President of the Board, April 1980 to November 1981.

Secretary, Environmental Advisory Commission, City of Champaign, Illinois, August 1976 to June 1978.

Editorial Activities

Editor, Chemometrics and Intelligent Laboratory Systems, December 1985 to December 1997; 2007- present.

Co-Editor-in-Chief, January 2021- ; Associate Editor, July – December 2020, Science of the Total Environment

Editor, Aerosol and Air Quality Research, July 2010 – June 2020.

Deputy Editor, Journal of Exposure Science and Environmental Epidemiology, January 2016- December 2016.

Associate Editor, Air Quality, Atmosphere and Health, 2007-2011

Editor-in-Chief, Aerosol Science & Technology, October 1993 - December 2002

Editor, Health Physics, July 1990 to September 1993.

Associate Editor for Reference Data Sets, Chemometrics and Intelligent Laboratory Systems, January 1998 - 2007.

Member, Editorial Board, Atom Indonesia Journal, 2012-

Member, Editorial Advisory Board, Asian Journal of Atmospheric Environment, 2010-

Member, Editorial Advisory Board, Air Pollution Research, 2009-

Member, Editorial Advisory Board, Air Quality, Atmosphere and Health, 2011-

Member, Editorial Advisory Board, Aerosol and Air Quality Research, 2006-2010; 2020-.

Member, Editorial Advisory Board, Issues in Environmental Science and Technology, 1993 - present.

Member, Editorial Board, Atmospheric Environment, 2000 - 2002.

Member, Editorial Advisory Board, Aerosol Science and Technology, October 1987 to September 1993.

Chairman, Editorial Advisory Board of Elsevier Scientific Software, October 1986 to October 1987; member of the Board, July 1985 to October 1986.

Member, Editorial Review Board, Journal of the Air and Waste Management Association, July 1988 to June 1995.

Consulting:

Consultant, World Bank, June 2020

Consultant, New York State Energy Research and Development Authority, January 2020-January 2021

Consultant, World Health Organization, December 2019 – April 2020.

Consultant, SharkNinja, December 2016 -May 2018

Consultant to the CASE Project, Ministry of the Environment, People's Republic of Bangladesh, Supported by the World Bank, November 2011 to November 2016.

Consultant, International Atomic Energy Agency, multiple air pollution programs, 1963-2009

Consultant, U.S. Department of State through the IC Associates program of the Office of the Director of National Intelligence, August 2009- March 2017

Consultant, Pace University, August 2007 to July 2009

Consultant, Radon Corporation of America, July 2008 - December 2009; July 2016-December 2016.

Consultant, St. Lawrence County, July 2007 to October 2007.

Consultant, McDermott, Will, & Emery, May 2007 to December 2009

Consultant, U.S. Department of Justice, November 2005 to May 2010

Consultant, Southwest Clean Air Agency, November 2005 to December 2008.

Consultant, Olson, Bzdok & Howard, P.C., February 2004 to October 2005.

Consultant, R.J. Lee Group, Monroeville, PA, 1987 to 2012.

Consultant, International Atomic Energy Agency Co-ordinated Research Program of the Application of Nuclear Analytical Methods to Air Pollution, March 1993 - December 2010.

Consultant, GE-EER, Irvine, CA, 2002 - 12/31/2004

Consultant, Detroit Diesel Corporation, July 2004 to March 2005.

Consultant, Gradient Scientific, Cambridge, MA, 2001.

Consultant, Shook, Hardy, & Bacon, Kansas City, MO, 2000

Consultant, SC & A, Inc, McLean, VA, August 1991 - 1998.

Consultant, Atmospheric Environment and Research, Inc., San Ramon, CA, September 1996 to December 1997.

Consultant to Lawrence Livermore National Laboratory, Livermore, CA., September 1976 to October 1982.

Consultant to Environmental Research and Technology, Inc., 1981.

Consultant to Environmental Sciences Research Laboratory Peer Review Panel, U.S. Environmental Protection Agency, Research Triangle Park, N.C., December 1979 to December 1993.

Consultant to the American Iron and Steel Institute, January 1982 to June 1987.

Consultant to Construction Engineering Research Laboratory, Corps of Engineers, U.S. Army, April 1984 to December 1985.

Consultant, Sonoma Technology Inc, Santa Rosa, CA, 1989.

Consultant, CH2M Hill Engineering, Seattle, WA, 1991.

Consultant, Consultec Scientific, Inc, Knoxville, TN, January 1991 - June 2000.

Consultant, Thomson and Nielsen Electronics, Ltd. Ottawa, Ontario, July 1991 - June 1993.

Grants and Contracts

Petroleum Research Fund Type G, Analysis of Environmental Trace Elements by Neutron Activation Analysis, September 1, 1972 to August 31, 1974, \$6,000.

Research Corporation, Extranuclear Effects on Nuclear Decay Rates, March 1, 1973 to June 30, 1974, \$2,620.

U.S. Environmental Protection Agency, Monitoring to Detect Previously Unrecognized Pollutants in Surface Waters, June 30, 1975 to December 30, 1976, \$46,658.

Department of Housing and Urban Development, Feasibility Study to Evaluate INAA and Multivariate Statistical Analysis Techniques to Identify Sources of Lead in Household Dusts, September 15, 1977 to April 15, 1978, \$10,000.

Illinois Water Resources Center, Development of a Non-Specific Preconcentration Technique for Trace Multielemental Analysis of Water, October 1, 1977 to September 30, 1979, \$15,900.

U.S. Bureau of Mines, Department of the Interior, A Study of the Importance of Airborne Particulate Matter to the Transport of Radon in Mine Atmospheres, with J.J. Stukel, July 1, 1976 to January 31, 1980, \$197,838.

U.S. Environmental Protection Agency, Feasibility of Application of Factor Analysis to Source Resolution of RAPS Data, July 1, 1979 to June 30, 1980, \$9,991.

U.S. Environmental Protection Agency, The Development of Monitoring Methods to Determine the Presence of Mutagenic Compounds in Chicago Municipal Sewage Sludge, with M.J. Plewa, September 15, 1979 to March 31, 1981, \$122,995.

U.S. Bureau of Mines, Department of the Interior, Study of the Environmental Factors Affecting the Transport of Radon Daughters to Uranium Mine Surfaces, with J.J. Stukel, August 27, 1979 to June 30, 1983, \$226,958.

U.S. Environmental Protection Agency, Aerosol Mass Apportionment to Sources by Factor Analysis, September 30, 1980 to December 31, 1983, \$100,000.

U.S. Environmental Protection Agency, The Development and Application of Factor Analysis to Urban Aerosol Source Resolutions, October 27, 1980 to June 26, 1983, \$102,775.

U.S. Environmental Protection Agency, Effects of Surface Properties and Charge on Droplet Collection Efficiency of Submicron Aerosols, with J.J. Stukel and K.H. Leong, November 15, 1980 to November 14, 1983, \$211,294.

Illinois Water Resources Center, The Effect of Different Soil Types on the Mutagenic Properties of Waste Water, with M.J. Plewa, March 1982 to June 1983, \$15,300.

U.S. Environmental Protection Agency, Planning Study of the Technology for Removal of Radon from Gas Streams, with J.J. Stukel and K.H. Leong, November 15, 1982 to November 14, 1983, \$12,005.

U.S. Department of Energy, Atmospheric Chemistry of ^{218}Po , August 21, 1983 to December 31, 1985, \$117,170.

U.S. Department of Energy, The Resolution of Source Contributions to Environmental Samples, July 1, 1980 to December 31, 1986, \$324,168.

U.S. Environmental Protection Agency, Mechanisms for Removal of Radon from Gas Streams, with J.J. Stukel, and K.H. Leong, November 15, 1983 to November 14, 1985, \$95,600.

U.S. Environmental Protection Agency, Simultaneous Collection of Submicron Aerosol Particles, Sulfur Dioxide, and Nitric Oxide, with J.J. Stukel and K.H. Leong, November 15, 1983 to November 14, 1987, \$185,107.

U.S. Environmental Protection Agency, Removal of Radon from Indoor Air, November 15, 1985 to June 30, 1987, \$32,948.

Illinois Department of Energy and Natural Resources, Ambient Air Monitoring of Urbana-Champaign, with D. Gatz, September 21, 1983 to June 30, 1989, \$419,000.

Battelle/EPRI, The Feasibility of Using Pattern Recognition Methods to Interpret Scanning Electron Microscopy Data for Identifying Plume Fly Ash, September 1, 1985 to December 31, 1988, \$46,000.

National Science Foundation, U.S.-Belgium Cooperative Science: Multivariate Analysis of Scanning Electron Microscopy Data, March 1, 1986 to August 1, 1989, \$6,670.

Illinois Department of Energy and Natural Resources, Airborne Fine Particulate Matter (PM-10) in Southeast Chicago, with S. Landsberger, August 21, 1987 to June 30, 1989, \$108,000225000+

HWRIC, Source Tracing of Heavy Metals in the Rock River through Analysis of Sediments and Biota, with S. Landsberger, July 1, 1987 to June 30, 1988, \$58,148.

Radian/EPRI, Process Monitoring of Chiyoda CT-121 FGD System, April 1, 1988 to October 1, 1989, \$203,471.

CERL/ATAM, Archaeometric Projects in Support of Corps of Engineers Conservation Programs, with J. Isaacson and S. Wisseman, May 11, 1988 to November 10, 1988, \$42,000.

Illinois Environmental Protection Agency, Receptor Modeling Studies of Granite City, Illinois, April 1, 1988 to September 15, 1989, \$61,000.

National Science Foundation, Examination of the Mathematical Models Used in Atmospheric Source Apportionment Studies, July 1, 1986 to June 30, 1992, \$364,000.

U.S. Department of Energy, Atmospheric Chemistry of ^{218}Po , March 1, 1987 to September 31, 1990, \$297,414

U.S. Department of Energy, The Development and Field Testing of a System for Determination of Ultrafine Activity Particle Size Distribution and Working Levels, April 1, 1988 to October 31, 1990, \$225,000.

New Jersey Department of Environmental Conservation, Measurement of Concentration and Size Distribution of Radon Decay Products in Homes Using Air Cleaners, July 1, 1989 to July 31, 1992, \$142,295.

National Science Foundation, Multivariate Analysis of Arctic Aerosol Compositional Data, with S. Landsberger, May 1989 to October 1991, \$53,304.

Aerovironment, Inc., Receptor Modeling for Acidic Species, January 1, 1990 to February 28, 1992, \$25,600.

IBM, The Investigation of the Adhesion of Particles to Surfaces, October 23, 1989 to October 31, 1992, \$70,171.

National Science Foundation, Examination of the Mathematical Models Used in Atmospheric Source Apportionment Studies, January 1, 1992 to June 30, 1995, \$294,200.

Center for Indoor Air Research, Measurement of the Hygroscopicity of the Indoor Aerosol, January 1, 1992 to August 31, 1995, \$196,386.

Ontario Ministry of the Environment, Development of Multivariate Analysis Procedures for Ontario Air Quality Data, April 1, 1987 to June 30, 1995, \$236,889.

American Water Works Association, Critical Assessment of Exposure to Radon from Showering with Radon-Laden Water, September 15, 1993 to June 30, 1995, \$92,530.

Department of Energy, Organization and Operation of the 6th International Symposium on the Natural Radiation Environment (NRE-VI) February 1, 1994 to January 31, 1996, \$20,100

Environmental Protection Agency, Organization and Operation of the 6th International Symposium on the Natural Radiation Environment (NRE-VI) May 23, 1994 to August 22, 1995 \$20,000

Commission of the European Communities, Sixth International Symposium on the National Radiation Environment (NRE-VI), August 1, 1994 to July 31, 1995, \$21,704

Environmental Protection Agency, Studies of the Performance of Room Air Cleaners and Their Optimal Reduction of Dose from Radon Progeny, October 5, 1992 to July 4, 1996, \$218,062.

U.S. Department of Energy, Study of the Atmospheric Chemistry of Radon Progeny in Laboratory and Real Indoor Atmospheres, July 1, 1990 to April 30, 1996, \$990,050.

National Science Foundation, Division of Polar Programs, Analysis of the Long Term Record of Arctic Airborne Particle Composition, May 1992 to January 31, 1996, \$283,158.

Ontario Ministry of the Environment, Multivariate Analysis of Data from the Integrated Atmospheric Network Deposition, July 1, 1994 to September 30 1995, \$20,900.

Eastman Kodak and New York State Science and Technology Foundation, Development and Application of Chemometric Methods for Process Control, July 1, 1995 to June 30, 1996, \$40,000.

National Science Foundation, Analysis of the Record of Arctic Airborne Particle Compositions, July 1, 1995 to June 30, 1996, \$75,000.

International Atomic Energy Agency, Technical Support of CRPs on Sampling and Analysis of Airborne Particles, December 1, 1995 to November 30, 1997, \$30,000.

Environmental Protection Agency, Development of Multivariate Receptor Models for the Determination of the Sources of Airborne Pollutants, October 1, 1994 to March 31, 1998, \$349,359

National Science Foundation, Examination of the Mathematical Models Used in Atmospheric Source Apportionment Studies, July 1, 1996 to June 30, 1999, \$249,279.

Environmental Protection Agency, Technical Support for PM Source Apportionment Using Positive Matrix Factorization, June 22, 1999 to June 15, 2000, \$49,226.

New Jersey Department of Environmental Protection, Application of Positive Matrix Factorization to Multiple Data Sets, November 11, 1999 to June 30, 2000, \$15,000.

EPRI, Chemometric-Based Identification of Nonaqueous Phase Liquids in the Subsurface at Manufactured Gas Plant Sites, with Susan E. Powers, July 1, 1996 to June 30, 2000, \$50,000.

International Atomic Energy Agency, Technical Support for Regional Coordinated Research Program on Air Pollution Monitoring, November 1, 1998 to December 31, 2000, \$25,000.

California Air Resources Board via a subcontract from University of California at Davis, Multivariate Data Analysis of Air Quality Data Developed by Research at UC-Davis and UC-Riverside, December 18, 1998 to December 31, 2000, \$148,019.

Unilever Research USA, Inc., Application of Multiway Factorization to Product Characterization Data, April 1, 1998 to February 28, 2001, \$216,745.

U.S. Housing and Urban Development, Data Analysis in Support of Tracing the Sources of Lead in Indoor Dusts, December 16, 2000 to March 31, 2001, \$20,000.

Environmental Protection Agency, Three-Way PMF Analysis In Baltimore Exposure Data, October 1, 2000 to March 31, 2001, \$25,000.

New York State Energy Research and Development Authority, Development and Demonstration of Innovative Ambient Pollutant Monitoring and Ecosystem Impact Evaluation Instrumentation, June 1, 2000 to May 31, 2001, \$41,393.

Environmental Protection Agency, Application of PMF to Spatial Data Analysis, June 12, 2001 to December 31, 2001, \$40,178.

Cooperative Institute for Arctic Research, Changes in the Concentration and Composition of Anthropogenic and Biogenic Aerosols in the Finnish Arctic, April 18, 2000 to April 17, 2002, \$128,000

GE-EER, Combustion Emissions Characterization Study, November 30, 2001- June 30, 2002, \$35,000.

Environmental Protection Agency, Contribution of Semivolatile Particulate Matter to Ambient Suspended Fine Particle Mass, with Thomas Holsen, July 18, 1999 to July 17, 2002, \$383,570.

Environmental Protection Agency, Development of a Novel Condensation Nuclei Counter and Application to Ultrafine Particle Formation, October 1, 1998 to September 30, 2002, \$393,657.

Texas Commission on Environmental Quality, VOC and Historic Auto-GC Analysis, December 1, 2001 to November 31, 2002, \$50,814

New York State Energy Research and Development Authority, Monitoring of Particle Size Distributions in Rochester, NY, August 28, 2001 to December 31, 2002, \$165,783.

Pennsylvania Department of Environmental Protection, Monitoring Systems for Philadelphia 2002, May 1, 2002 to April 30, 2003, \$27,948.

Environmental Protection Agency, Lake Ontario Regional Monitoring, October 1, 2001 to September 31, 2003, \$231, 097.

Environmental Protection Agency, Supersite in Houston, TX, subcontract from University of Texas at Austin, January 1, 2000 to December 31, 2003, \$195,164.

National Science Foundation, Effects of Pressure and Carrier Gas on Homogeneous Nucleation of Vapors, February 1, 2000 to January 31, 2004, \$290,000.

Environmental Protection Agency, Application of PMF to the analysis of the RAPS/RAMS data from St. Louis, MO, September 1, 2001 to March 31, 2004, \$35, 671

New York State Energy Research and Development Authority, Particulate Matter Source Modeling/Health Effects Workshop, April 7, 2003 to August 31, 2004, \$30,112.

Environmental Protection Agency, Supersite in Baltimore, MD, subcontract from University of Maryland at College Park, January 1, 2000 to December 31, 2004, \$372,500.

Environmental Protection Agency, Development of a Relational Database for the Supersite Program, subcontract from the University of Maryland at College Park, January 01, 2002 to December 31, 2004, \$280,871.

Environmental Protection Agency, Supersite in New York City, subcontract from SUNY-Albany, January 1, 2000 to December 31, 2004, \$95,000.

U.S. Department of Energy, Supersite in Pittsburgh, subcontract from Carnegie Mellon University, January 1, 2001 to December 31, 2004, \$160,005.

EPRI, Monitoring of Particle Size Distribution and Cardiac Responses in Rochester, NY, September 1, 2003 to December 31, 2005, \$85,650.

International Atomic Energy Agency, Processing of Regional Data for The Project, Isotopic and Related Techniques to Assess Air Pollution, January 1, 2003 to December 31, 2004, \$39,998.

Health Effects Institute, Improving Source Identification of Carbonaceous Ambient Particulate Matter Using Highly Time and Composition Resolved Measurements, March 1, 2004 to February 28, 2005, \$64,688.

LADCO, Analyses of Midwest PM-Related Measurements, March 22, 2004 to March 31, 2005, \$120,000.

New Jersey Department of Environmental Protection, Application of Advanced Factor Analysis Modeling to Apportion PM_{2.5} in New Jersey, April 1, 2004 to March 31, 2005, \$25,000.

Environmental Protection Agency, Receptor Modeling of the RTP Study Data, October 1, 2003 to July 31, 2005, \$60,000.

New York State Energy Research and Development Authority, Contributions of In-State and Out-of-State Electricity Generation on Air Quality in New York State, with Thomas Holsen, September 24, 1999 to December 31, 2005, \$1,143,118.

Environmental Protection Agency, ME Receptor Model Development, April 1, 2004 to December 31, 2005, \$126,452.

BWXT Pantex, Determination of Nucleation and Growth Constants, with Don Rasmussen, Subcontract from the University of Texas at Austin, May 7, 2005 to December 31, 2005, \$83,459.

Environmental Protection Agency, Management of Core 1 Research Program, EPA PM and Health Research Center at the University of Rochester, June 01, 2002 to May 31, 2006, \$658,520.

Environmental Protection Agency, Personal Exposure To Particulate Air Pollution In Childhood Asthma, April 1, 2003 - May 31, 2006, \$40,527.

New Jersey Department of Environmental Protection, Application of Trajectory Ensemble Analysis to Locate PM_{2.5} Sources, June 1, 2005 to June 30, 2006, \$40,000.

New Jersey Department of Environmental Protection, Analysis on New Jersey PAMS Data to Identify Major Ozone Precursor Sources, June 6, 2005 to June 30, 2006, \$25,000.

California Air Resources Board, Analyses of PM-Related Measurements for the Impacts of Ships, March 10, 2005 to September 10, 2006, \$95,002.

Environmental Protection Agency, Development of Advanced Factor Analysis Methods for Carbonaceous PM Source Identification and Apportionment, October 1, 2003 to September 31, 2006, \$450,000.

Environmental Protection Agency, Advancing ATOFMS to a quantitative tool for source apportionment, with Kimberly A. Prather (UCSD), October 1, 2003 to September 31, 2006, \$225,000.

New York State Office of Science, Technology, and Academic Research, Environmental Quality Systems Center, January 1, 2002 to December 31, 2006, \$1,892,000.

International Atomic Energy Agency, Subcontract to Improved Information About Urban Air Quality Management, January 1, 2005 to December 31, 2006, \$20,000.

National Institute of Occupational Safety and Health, Fiber Transport And Deposition In The Respiratory Tract, December 1, 2002 to November 31, 2007, \$509,950.

National Science Foundation, New instruments for real-time, high-resolution characterization of nanoparticles in the environment. With S. Dhaniyala, August 1, 2005 to July 31, 2007, \$100,000.

Environmental Protection Agency, Rotation Control in ME Receptor Model Development, September 30, 2005 to March 31, 2007, \$59,994.

Environmental Protection Agency, University of Rochester PM & Health Center, with Kimberly A. Prather (UCSD), October 1, 2005 to September 30, 2010, \$1,282,796.

Environmental Protection Agency, Formation of Indoor Particles from Indoor VOCs and Ambient Ozone, December 1, 2005 to November 30, 2008, \$193,000.

Environmental Protection Agency, PMF Applied to St. Louis RAPS-RAMS Coarse PM Data Base, October 6, 2005 to October 5, 2006, \$25,421.

Environmental Protection Agency, Remote, Real-Time Monitor for Elemental Speciation of Air Particulates, May 1, 2006 to April 30, 2006, \$35,728.

New York State Energy Research and Development Authority, Remote, Real-Time Monitor for Elemental Speciation of Air Particulates, May 1, 2006 to April 30, 2006, \$54,994.

Environmental Protection Agency, Advanced Data Analysis to Identify and Quantify Local PM_{2.5} Sources in St. Louis, January 31, 2007 to January 30, 2008, \$56,640.

Environmental Protection Agency, Ultrafine Particles and Cardiac Responses: Evaluation In a Cardiac Rehabilitation Center, July 1, 2006 to June 30, 2009, \$68,422.

Environmental Protection Agency, Chemical Analysis of Fish Tissue for the Great Lakes Fish Monitoring Program, March 6, 2006 to December 31, 2011, \$1,752,497.

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Environmental Protection Agency, Characterization of Benzene and Other Air Toxics in Akwesasne, with A. Rossner (CU) and Angela Benedict-Dunn (SRMT), October 1, 2006 to September 30, 2008, \$205,551.

Environmental Protection Agency, Demonstration of an Integrated Energy Recovery Ventilator for Improved Indoor Air Quality and Energy, March 1, 2007 to February 28, 2008, \$166,969.

New York State Energy Research and Development Authority, Characterization of Diesel Engine Emissions Using On-Board Instrumentation, June 1, 2007 to May 31, 2011, \$99,685.

Environmental Protection Agency, Characterization of the Ambient Air Quality in Syracuse, NY and Identification of Its Origins, May 1, 2007 to May 31, 2011, \$600,000.

Environmental Protection Agency, Effect of Resuspended Aeroallergens on Lung Inflammation in Asthmatic Children, June 1, 2007 to April 30, 2009, \$130,000.

Environmental Protection Agency, Human Exposure Synthetic Data, Receptor Model Development, and Evaluation, August 16, 2007 to August 15, 2008, \$97,056.

Environmental Protection Agency, Factor Analysis Error Estimation Development and Testing, October 24, 2007 to October 23, 2008, \$63,207.00

National Science Foundation, Particle Nucleation Events in the Ohio River Valley, with A. Rossner, P. Marzocca, B. Crimmins, February 1, 2008 to May 31, 2009, \$95,000

National Academy of Sciences- National Transportation Board, Characterization of Emissions from Airport Operations, July 1, 2008 to June 30, 2010, \$43,000.

New York State Energy Research and Development Authority, Demonstration of Commercial Wood Pellet Gasification/Combustion System, with T. Holsen, July 1, 2008 to March 31, 2011, \$307,951.

New Jersey Department of Environmental Protection, Application of Local Wind and Trajectory Ensemble Analysis to Locate VOC Sources, July 1, 2008 to June 30, 2009, \$25000.

Environmental Protection Agency, Evaluation of Two Analytical Methods and Sampling Trains for the Measurement of Cr-VI in Ambient Air, October 01, 2008 - June 30, 2011, \$145,055.

Environmental Protection Agency, Chemical Analysis of Fish Tissue for the Great Lakes Fish Monitoring Program (GLFMP): Emerging Chemicals of Concern, July 01, 2008 - June 30, 2010, \$200,000.

New York State Energy Research and Development Authority, Atmospheric Species - Improved Monitoring, Characterization and Understanding of Processes, July 01, 2008 - June 30, 2013, \$450,000.

New York State Energy Research and Development Authority, Study of the Conditions for Effective Use of ESPs in Advanced Wood Burning Systems, March 10, 2009 - December 31, 2012, \$164,506.

Environmental Protection Agency, Demonstration and Commercialization of the Air Innovations, Inc. HEPAiRx Integrated Energy Recovery Ventilation and Air Purification System, March 1, 2009 - February 28, 2010, \$100,022.

Environmental Protection Agency, Characterization of Coarse Particles in Syracuse, NY, June 1, 2009 to July 31, 2010, \$90,899.

Environmental Protection Agency, Operation of a Tekran Automated Mercury Speciation Unit at Huntington Forest, New York, December 2, 2009 to December 1, 2014, \$60,089.

Environmental Protection Agency, Demonstration and Commercialization of the Air Innovations, Inc. HEPAiRx Integrated Energy Recovery Ventilation and Air Purification System, May 18, 2009 to July 15, 2010, \$100,022.

Metropolitan Development Association, HEPAiRx Air Purification and Ventilator by Air Innovations for Reducing Asthma-Related Symptoms in Children: Second Generation Unit Field Studies, July 22, 2009 to July 15, 2010, \$50,000.

U.S. Army Office of Research, Fugitive Dust Emissions: Development of a Realtime Monitor, with Thomas Holsen and Suresh Dhaniyala, February 15, 2010 to February 14, 2011, \$110, 227.

National Science Foundation, Sources of Black Carbon, Methane Sulfonic Acid, and Particulate Constituents over 45 Years in the Arctic, cooperative project with Dr. L. Husain, SUNY-Albany, October 1, 2010 to December 30, 2014, \$349,331.

New York State Energy Research and Development Authority, Characterization of Wood Pellets and Chips, August 1, 2010 to July 30, 2011, \$71,710.

New York State Energy Research and Development Authority, Ultrafine Particles and Cardiac Responses: Evaluation in a Cardiac Rehabilitation Center, October 17, 2005 - July 1, 2013, \$199,212.

Environmental Protection Agency, The Great Lakes Fish Monitoring and Surveillance Program: Pushing the Science, with Thomas M. Holsen, October 1, 2010 to September 30, 2015, \$6,500,000.

New York State Energy Research and Development Authority, Characterization of Emissions from Grass Pellets Burned in Residential Appliances, December 1, 2011-September 30, 2012, \$43,125.

New York State Energy Research and Development Authority, Enhancing Commercial Wood Boiler Efficiency and Controlling Emissions through Optimized Thermal Storage and Post-Combustion Emission Scrubbing Technology, July 1, 2012 to December 31, 2014, \$334,778.

New York State Energy Research and Development Authority, Monitoring of Carbon Monoxide Off-Gassing in Wood Pellet Storage in the Northeastern US, October 1, 2012-June 30, 2013, \$102,424.

Environmental Protection Agency, Chemical Analysis for St. Lawrence River Lake Sturgeon Restoration Project, with Thomas M. Holsen and Bernard S. Crimmins, May 1, 2012 - December 31, 2013, \$88, 800.

National Institute of Occupational Safety and Health, Nanomaterial Penetration through Protective Gloves, May 15, 2013 - December 31, 2014, \$95,000.

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New York State Energy Research and Development Authority, Effects of Ambient Wood Smoke Exposure on the Risk of Myocardial Infarction and Biomarkers of Systemic Inflammation, Coagulation, and Thrombosis, July 1, 2013 – June 30, 2016, \$175,155.

New York State Energy Research and Development Authority, Installation of High Efficiency Residential Wood Pellet Boilers, July 1, 2013 - June 30, 2017, \$267,452.

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Department of Defense, Measurement of Markers of Exposure of Deployed Soldiers to Burn Pits, September 15, 2013 to September 30, 2017, \$621,751.

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New York State Energy Research and Development Authority, Quantitative investigation of molecular tracers of primary and secondary wood smoke aerosol relevant in wintertime New York, with Shunsuke Nakao, February 26, 2015- March 31, 2017, \$252,190.

New York State Energy Research and Development Authority, Studies of CO off-gassing from stored pellets, July 1, 2015-August 31, 2017, \$299,970.

New York State Energy Research and Development Authority, Community Exposure to Wood Smoke in Rochester NY, with Andrea Ferro, April 20, 2015-August 31, 2017, \$349,999.

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49. Spatial Prediction of Air Quality Data: A Primer, D.M. Holland, W.M. Cox, R. Scheffe, A.J. Cimorelli, D. Nychka, and P.K. Hopke, *EM Magazine* August, 31-35 (2003)
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 57. Geladi, P and Hopke, P.K., Is there a future for chemometrics? Are we still needed? *Chemom. Intell. Lab. Syst.* 91: 99-100 (2008).
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 59. Solomon, P.A., Hopke, P.K., The U.S. Environmental Protection Agency's Particulate Matter Supersites Program: An Integrated Synthesis of Scientific Findings and Policy- and Health-Relevant Insights, *J. Air & Waste Manage. Assoc.* 58: S-1-S-2 (2008).
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 62. Technical Note: Detection and identification of radical species formed from α -pinene/ozone reaction using DMPO spin trap, J. Pavlovic, P.K. Hopke, *Atmos. Chem. Phys. Discuss.* 9: 1–23 (2009).
 63. Hopke, P.K., Discussion of sensitivity of a molecular marker based positive matrix factorization model to the number of receptor observations, Zhang, Sheesley, Bae, Schauer, and Hopke to *Atmospheric Environment*, 44. 1138 (2010)
 64. Editorial, Special Issue on Applications of Receptor Modeling, P.K. Hopke, D.D. Cohen, *Atmospheric Pollution Research* 2: 121 (2011).
 65. Interdisciplinary Environmental Graduate Degree Programs at Clarkson University, *EM Magazine*, 20-21, September 2012.
 66. Introduction to a special grouping of papers from the 2012 A&WMA International Specialty Conference, Aerosol and Atmospheric Optics: Visibility and Air Pollution, P.K. Hopke, D.J. Eatough, *J. Air Waste Manage. Assoc.* 63: 1003 (2013).
 67. It is Time to Drop Principal Components Analysis as a "Receptor Model," P.K. Hopke, *J. Atmospheric Chem.* 72: 127–128 (2015).
 68. Celebrating 30 years of publishing chemometrics for chemometricians and others, P.K. Hopke and C. Spiegelman, *Chemometrics and Intelligent Laboratory Systems* 149: 89 (2015).
 69. Preface to Virtual Special Issue Honoring Dr. Clifford H. Spiegelman, P.K. Hopke, *Chemometrics and Intelligent Laboratory Systems* 162: 107 (2017).

70. Monitoring Ultrafine Particles, P. K. Hopke, EM Magazine, May 2015.
71. Ending the Use of Obsolete Data Analysis Methods, P.K. Hopke, D.A. Jaffe, Aerosol Air Qual. Res. 20, 688-689 (2020).
72. Obituary for Clifford H. Spiegelman, R. Tauler, E.S. Park, P.K. Hopke, Chemometrics and Intelligent Laboratory Systems 204, 104060.
73. Why it makes sense that increased PM_{2.5} was correlated with anthropogenic combustion-derived water, P. K. Hopke, Q. Dai, PNAS 118: e2102255118 (2021).
74. Is Improved Vehicular NO_x Control Leading to Increased Urban NH₃ Emissions?, P.K. Hopke, X. Querol, Environ. Sci. Technol. 56: 11926–11927 (2022).

Invited Presentations:

1. Mobilization of Environmentally Detrimental Trace Species by Coal Utilization, P.K. Hopke, presented at the Symposium of Coal, Illinois State Academy of Sciences 1978 Annual Meeting, Normal, IL, April 1978.
2. A Comparison of Factor Analysis Models Used to Interpret Environmental Data, P.K. Hopke, presented to the 4th Biennial Rocky Mountain Regional Meeting of the American Chemical Society, Boulder, CO, June 1978.
3. Source Identification and Resolution Through Application of Factor and Cluster Analysis, P.K. Hopke, presented to New York Academy of Sciences Conference entitled Aerosols - Urban and Natural, Sources and Transport, New York, January 1979.
4. Application of Factor Analysis to Quantitative Source Apportionment, P.K. Hopke, presented to the Symposium on Chemical Composition of Atmospheric Aerosols: Source/Air Quality Relationships, 180th National Meeting of the American Chemical Society, August 1980.
5. Estimating the Impact of Sources on Air Quality in St. Louis Using Factor Analysis, P.K. Hopke, Symposium on RAPS Results, St. Louis, October 1980.
6. The Application of Target Transformation Factor Analysis to Aerosol Source Resolution, P.K. Hopke, Air Pollution Control Association 74th Annual Meeting, Philadelphia, June 1981.
7. The Deposition of Radon Daughters and Daughter-laden Aerosol on Rough-Wall Surfaces. P.K. Hopke, J.J. Stukel, K.H. Leong, A. Hubbard, and K. Nourmohammadi, Proceedings of the International Conference on Radiation Hazards in Mining: Control, Measurement, and Medical Aspects, American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc., New York, pp. 1014-1021 (1981).
8. The Use of Factor Analysis in Source Determinations for Particulate Emissions, P.K. Hopke, presented to first meeting of American Association for Aerosol Research, Santa Monica, CA, February 1982.
9. The Use of Multielemental Analyses and Multivariate Statistical Methods to Identify Mineral Matter in Coal, P.K. Hopke, presented to American Nuclear Society Annual Meeting, Los Angeles, June 1982.
10. A Review of Multivariate Receptor Models, P.K. Hopke, presented to the Symposium on Recent Advances in Pollutant Monitoring of Ambient Air and Stationary Sources, Raleigh, NC, May 1984.
11. Identification of Fugitive Emissions Compositions by Target Transformation Factor

- Analysis of Wind-Trajectory-Selected Samples, P.K. Hopke, S.N. Chang, G.E. Gordon, and S.W. Rheingrover, presented to the 79th Annual Meeting of the Air Pollution Control Association, Minneapolis, MN, June 1986.
12. Use of a Rule-Building Expert System for Classifying Air-Borne Particles, P.K. Hopke, presented to Environmetrics '87 Conference, Washington, D.C., November 1987.
 13. The Initial Behavior of Po-218 in Indoor Air, P.K. Hopke, K.D. Chu, L.M. Kulju, and M. Ramamurthi, presented to the 4th International Symposium on the Natural Radiation Environment, Lisbon, Portugal, December 1987.
 14. The Use of Receptor Modeling in Apportionment of Air Pollution Sources, P.K. Hopke, presented to the 3rd International Symposium of the Institute of Environmental and Industrial Health on Environmental Pollution and Human Health, Seoul, Korea, June 1988.
 15. Indoor Air Pollution Problems and Its Control, P.K. Hopke, presented to the Seminar on Air Pollution Control in Commemoration of the World Environment Day at the National Institute for Environmental Research, Seoul, Korea, June 1988.
 16. Production of Ultrafine Particles by Radon Radiolysis, P.K. Hopke, M. Ramamurthi, presented at the 1988 European Aerosol Conference, Lund, Sweden, August 1988.
 17. Applications of Chemometrics to Airborne Particle Source Apportionment Problems, P.K. Hopke, presented to Federation of Analytical Chemistry and Spectroscopy Societies, Chicago, IL. October 1989.
 18. The Application of Supercomputers to Chemometrics, P.K. Hopke, presented to Scientific Computing and Automation Conference, Maastricht, The Netherlands, June 1990.
 19. Chemometrics in Environmental Studies, P.K. Hopke, presented at Euroanalysis VII, Vienna, Austria, August, 1990.
 20. Neutron Activation Analysis in Receptor Modeling in Environmental Chemistry, S. Landsberger and P.K. Hopke, American Nuclear Society's 1990 Annual Meeting, Nashville, Tennessee, June 1990.
 21. Multivariate Methods for Environmental Chemical Analysis, Presented to 1992 Gordon Research Conference on Statistics in Chemistry and Chemical Engineering, New Hampton, NH
 22. Combining Chemical and Meteorological Data to Infer Source Areas or Airborne Pollutants, Presented at Computer Application in Analytical Chemistry Conference, Jena, Germany August 1992.
 23. Use of Pattern Recognition Tools for Classifying Particles Into Homogeneous Groups, Presented at Electron Microscopy Society of America Meeting, August 1992.
 24. Extreme Value Estimation Applied to Aerosol Size Distributions and Related Environmental Problems, Conference on Extreme Value Theory and its Applications, National Institute of Standards and Technology, Gaithersburg, MD, May 1993.
 25. The Measurement of Ultrafine Aerosol Size (<10 nm) using Wire Screens, International Conference on Aerosol Science and Technology, Taichung, Taiwan, October 1993.
 26. The Chemical Mass Balance as a Multivariate Calibration Problem, P.K. Hopke and X-H. Song, presented at International Conference on Environmetrics and Chemometrics, Las Vegas, NV, September 11-13, 1995.

27. Receptor Modeling in Environmental Chemistry, P.K. Hopke, presented at Eastern Analytical Symposium, Somerset, NJ, November 13, 1995.
28. Exposure and Dose from Radon Decay Products in Normally Occupied Homes, P.K. Hopke presented at South African Association of Physicists in Medicine and Biology Annual Congress, Pretoria, South Africa, May 7, 1996.
29. The Measurement of Radon Decay Products in Indoor Air and Their Relationship to Dose, P.K. Hopke, presented at South African Association of Physicists in Medicine and Biology Summer School, Pretoria, South Africa, May 10, 1996.
30. Data Validation, P.K. Hopke, presented at Joint UNDP/RCA/IAEA Sub-Project on Nuclear Analytical Techniques, 3rd NCM & 2nd RCM, Beijing, China, September 2-6, 1996.
31. Statistical Methods for QA/QC of Analytical Data Exemplified by IAEA Programmes on Airborne Particulate Matter, P.K. Hopke, Presented to International Symposium on Harmonization of Health-Related Environmental Measurements Using Nuclear and Isotopic Techniques, Hyderabad, India, November 4-7, 1996.
32. Development of National Ambient Air Quality Regulations for Ozone and Particulate Matter in the United States, Presented to the Philippine Nuclear Research Institute, Quezon City, Philippines, August 1, 1997.
33. Multiway Analysis of Image Data, Presented to the Federation of Analytical Chemical and Spectroscopy Societies (FACSS), Austin, Tx, October 13-17, 1998.
34. Positive Matrix Factorization, Presented to the Eastern Analytical Symposium, Somerset, NJ, November 16-20, 1998.
35. Information Base to Support Toxicological Mechanisms of Particulate Matter Action, presented to the Third Colloquium on PM and Health, Durham, NC, June 6-8, 1999.
36. Source Identification and Quantitative Apportionment of Arctic Particulate Contaminants, presented to the AMAP Workshop on Techniques and Associated Uncertainties in Quantifying the Origin and Long-Range Transport of Contaminants to the Arctic, Bergen, Norway, June 14-16, 1999.
37. EPA's Policy on Residual Risk under the Clean Air Act, P.K. Hopke, presented to the 2001 Annual Winter Toxicology Forum, Washington, DC, February 12-14, 2001.
38. Advances in Receptor Modeling, P.K. Hopke, presented to the European Aerosol Conference, Leipzig, Germany, September 3-7, 2001.
39. Source apportionment study in two Czech cities: A comparison of methods, J. Pinto, Z. Ramadan, and P.K. Hopke, presented to the European Aerosol Conference, Leipzig, Germany, September 3-7, 2001.
40. Behaviour and Characteristics of the Radon Decay Products and Their Implication on Radiation Protection, presented at Anlässlich des Ausscheidens von Prof. Dr. J. Porstendörfer, Georg-August-Universität, Göttingen, German, September 18, 2001.
41. Major Sources of Air Pollution in Northeastern USA and Transboundary Pollution, presented at the Symposium on Air Pollution and Human Health, P.K. Conference of the Governors of the New England states and P.K. the Premiers of Eastern Canada (CGNA/PMEC), Montreal, PQ, May 23-24, 2002.
42. Advances in Monitoring Methods for Airborne Particles, Keynote Address to the 16th International Clean Air & Environment Conference, Clean Air Society of Australia and New Zealand, Christchurch, NZ, August 20-22, 2002.

43. Fine Particles and Human Health: the Role of Epidemiological Studies in Developing National PM Standards, presented to Fine Particle Workshop, Clean Air Society of Australia and New Zealand, Christchurch, NZ, August 19, 2002.
44. Regulating the Risks for Hazardous Air Pollutants, Risk Assessment Workshop, Clean Air Society of Australia and New Zealand, Christchurch, NZ, August 19, 2002.
45. Receptor Modeling for Fine Mode Particles, Invited Tutorial Lecture, International Aerosol Conference, Taipei, Taiwan, September 8-13, 2002.
46. The Use of Nuclear Analytical Data in Advanced Source Apportionment Techniques, P.K. Hopke, Presented to the 2002 Winter Meeting of the American Nuclear Society, Washington, DC, November 18-21, 2002
47. Historical Efforts at Source Apportionment, P.K. Hopke, Presented to HEI Workshop to Improve Estimates of Diesel and Other Emissions for Epidemiologic Studies, Baltimore, MD, December 4-5, 2002.
48. Source Apportionment Analysis of Northeastern Sites, P.K. Hopke, presented to Regional Air Quality Modeling and Data Analysis Meeting, Baltimore, MD, January 23-24, 2003.
49. Receptor Modeling for Source Identification and Apportionment, P.K. Hopke, presented to the 9th International Inhalation Symposium, Hannover, Germany, June 11-14, 2003.
50. Factor Analysis of Spatial Distributions, P.K. Hopke, P. Paatero, S. Eberly, presented to 3rd International Workshop on Biomonitoring of Atmospheric Pollution (BioMAP), Bled, Slovenia, September 21-25, 2003.
51. Sources of PM and Precursor Gases in New York State, P.K. Hopke, presented to the 2003 Environmental Monitoring, Evaluation, and Protection in New York: Linking Science and Policy, Albany, NY, October 7-8, 2003.
52. Advanced Receptor Modeling for Source Identification and Apportionment, presented at Indian Institute of Technology, Bombay and cosponsored by the Indian Aerosol Science and Technology Association, Mumbai, India, October 16, 2003.
53. Advanced Receptor Models for Source Identification and Apportionment, P.K. Hopke, presented to European Monitoring and Evaluation Program (EMEP) Workshop on Particulate Matter (PM) Measurement and Modeling, New Orleans, LA, April 20-23, 2004.
54. Advanced Factor Analysis Methods for Receptor Modeling, Philip K. Hopke, presented as the Inaugural John C. and Susan S. G. Wierman Lecture, Department of Applied Mathematics and Statistics, The Johns Hopkins University, October 15, 2004.
55. Using STN Data to Apportion the Motor Vehicle Contributions to PM_{2.5}, P.K. Hopke, presented to CRC Mobile Source Air Toxics Workshop: Advances in Field Measurements, Modeling, and Data Analysis, Scottsdale, AZ, December 1-2, 2004.
56. How can small concentrations of small particles really kill people?, Clean Air Society of Australia & New Zealand, Hunter Sub-Branch, Newcastle, NSW, Australia, April 8, 2005.
57. Theory and Application of Atmospheric Source Apportionment Methods, 37th Air Pollution Workshop & International Symposium, Banff, Alberta, Canada, April 25, 2005.
58. Current approaches to sampling and analysis of APM, presented to National Symposium on Improved Information for Air Quality Management, Bangkok, Thailand, May 19-20, 2005.

59. Advances in receptor modeling and transboundary modeling, presented to National Symposium on Improved Information for Air Quality Management, Bangkok, Thailand, May 19-20, 2005.
60. The current status of the regulations and their basis (Health effects) in the US, presented to National Symposium on Improved Information for Air Quality Management, Bangkok, Thailand, May 19-20, 2005.
61. Sources of Airborne Particulate Matter: Constituents, Monitoring, and Source Apportionment, presented at the 2005 International Conference of the American Thoracic Society, San Diego, CA, May 22-25, 2005.
62. Particulate Matter and Human Health, presented to the ACCENT Workshop on Organic Constituents of the Ambient Aerosol, Lillestrøm, Norway, May 27-28, 2005.
63. Homogeneous Nucleation in the Ambient Atmosphere, presented to 79th Colloid and Surface Science Symposium, Potsdam, N.Y., June 13-15, 2005.
64. Source Apportionment and Exposure Assessment, presented to EPA-GSF Workshop 2005, Hohenkammer, Germany, June 20-22, 2005.
65. Expanded Factor Analysis Models for Improved Source Resolution, P.K. Hopke, E.P. Trepatt, and P. Paatero, presented to the Joint Statistical Meeting, Minneapolis, MN, August 8-12, 2005.
66. Sources of Airborne Particulate Matter, presented in the Symposium on Particles, Policy and Public Health, American Association for the Advancement of Science, St. Louis, MO, February 19, 2006.
67. PM Composition, Sources and Their Health Effects, presented to Society of Toxicology, San Diego, March 6, 2006.
68. Monitoring PM, a US Perspective, presented to Particles in Europe, Antwerp, Belgium, June 13, 2006.
69. Source Apportionment Methodology, presented to Particulate Air Pollution and Health A Featured Symposium at the 99th A&WMA Annual Conference and Exhibition, New Orleans, LA, June 20-23, 2006.
70. Source Apportionment Modeling – How Well Can We Do it?, presented to NARSTO Workshop on Applications of Particulate Matter Models for Source Apportionment and Air Quality Management, Boulder, CO, June 28-30, 2006.
71. Exposure and Risks from Showering with Radon-Rich Water, presented to Workshop on Radon Occurrence, Health Risks and Policy, With an Emphasis on Radon in Ground Water Drinking Supplies, Durham, NC, October 4, 2006.
72. The Role of Biogenic Isoprene in Secondary Organic Aerosol in Northern NY, presented to the Northeast Regional Meeting of the American Chemical Society, Binghamton, NY, October 4-7, 2006.
73. Source-Receptor Relationships: Implications for Air Quality Policy, presented to NERAM V, Strategic Policy Directions for Air Quality Risk Management, Vancouver, B.C., October 16-18, 2006.
74. Receptor Modeling: Assessment of the State-of-the-Art, presented to the 2007 Meeting of the European Geophysical Union, Vienna, Austria, April 15-19, 2007.
75. Identification of Sources by Chemical Element Balance and Source Apportionment, presented to the Symposium on Particulate Matter (PM) Research and Policy: Yesterday, Today and Tomorrow at the 100th Annual Meeting of the Air and Waste Management

- Association, Pittsburgh, PA, June 26-29, 2007.
76. Source Apportionment for Exposure and Health Assessment, presented as the keynote address to the National Seminar on Nuclear Technology, Bandung, Indonesia, July 17-18, 2007.
 77. Air Quality Management in the United States, presented to the Ministry of the Environment, Republic of Indonesia, Jakarta, Indonesia, July 19, 2007.
 78. Chemometrics Applied to Environmental Problems, presented to the EAS Award for Outstanding Achievements in Chemometrics Symposium, Eastern Analytical Symposium, Somerset, NJ, November 12-16, 2007.
 79. Issues in Air Toxics Decision Making, presented to the Air Toxics Summit 2008, Boise, ID, August 5-7, 2008.
 80. Source Apportionment for Air Quality Planning, presented to EnviroCities 2008, Dubai, U.A.E., November 11-13, 2008.
 81. Formation of Secondary Organic Aerosol, presented to EnviroCities 2008, Dubai, U.A.E., November 11-13, 2008.
 82. Air Pollution and Health: An Introduction, presented to the Gordon Research Conference on Atmospheric Chemistry, Waterville Valley, NH, August 24-28, 2009.
 83. Source Apportionment as Input into Health Effects Studies, presented to Chinese Academy of Sciences and National Institutes of Health Joint Workshop on Environmental Pollution and Cancer in China and the U.S., Guangzhou, China, January 5-8, 2010.
 84. Improved Cookstoves: An Opportunity for Improved Health and Climate in the Developing World, presented with Steven Garrett as a Jefferson Science Fellow Lecture to the U.S. Department of State, January 26, 2010.
 85. General introduction and overview of receptor modeling, Focus on detail issues related to positive matrix factorization (PMF), Introduction to Conditional Probability Function and Trajectory Ensemble Methods, Complex factor analysis models, presented to Source Apportionment Workshop in Basel, Swiss Tropical and Public Health Institute, Basel, Switzerland, March 29-30, 2010.
 86. Science: Informing or Driving Public Policy? The view from 30 years of watching the NAAQS process, Keynote Address presented to the Environmental Measurement Symposium, Washington, DC, August 9-13, 2010.
 87. Tutorial on Receptor Modeling, presented to International Aerosol Conference, Helsinki, Finland, August 29 - September 3, 2010.
 88. Historical perspective of Receptor Models and their role in the US air quality regulations, presented to European Intercomparison for Receptor Modelling of Air Pollutants: Workshop "The Use of Receptor Models in the Source Apportionment of Air Pollutants," Ispira, Italy, November 4-5, 2010.
 89. The nature of currently available tools, presented to European Intercomparison for Receptor Modelling of Air Pollutants: Workshop "The Use of Receptor Models in the Source Apportionment of Air Pollutants," Ispira, Italy, November 4-5, 2010.
 90. Forty+ Years of Development and Application of Receptor Modeling: Where are we now?, presented to CAPAC-II - International Conference on Air Pollution and Control, Antalya, Turkey, September 19-23, 2011.

91. Data Evaluation and Preparation for Receptor Modelling: Making Silk Purses out of Sow's Ears, P.K. Hopke and P. Paatero, presented to Harmonization of Source Apportionment with Receptor Models, 2nd Workshop "The use of Receptor Models in the Source Apportionment of Air Pollutants," Ispra, Italy, January 17-18, 2012.
92. Receptor Modeling in Rochester, New York, P.K. Hopke, presented to the Institute for Environment and Sustainability, European Union Joint Research Center, Ispra, Italy, January 19, 2012.
93. The Relationship of Visibility to Particle Composition and Sources, presented to Aerosol and Atmospheric Optics Visibility & Air Pollution, Whitefish, MT, September 24-28, 2012.
94. The Conceptual Framework and Application of Receptor Models, presented to the 2012 Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
95. Estimating Exposure to Residential Woodsmoke in Rochester, NY, Presented to the National Educational Forum on the Residential Wood Heater NSPS, Minneapolis, MN, November 8, 2012.
96. New Tools for PMF Analysis, P.K. Hopke, N.F. Marshall, P. Paatero, presented to the Initiative on Harmonization of Source Apportionment with Receptor Models 3rd Workshop on "The Source Apportionment of Atmospheric Pollutants," Ispra, Italy, February 27-28 2013.
97. The Conceptual Framework and Application of Receptor Models, presented to 2013 Conference Environment and Health – Bridging South, North, East and West, Basel, Switzerland, August 19 to 23, 2013.
98. Formation of Secondary Organic Aerosol and Reactive Oxygen Species in Indoor Air, Ontario Ministry of the Environment, Etobicoke, Ontario, May 15, 2014.
99. Forty+ Years of Development and Application of Receptor Modeling: Where are we now?, 2014 Morris Katz Memorial Lecture in Environmental Research, York University, Toronto, Ontario, May 16, 2014.
100. Forty+ Years of Development and Application of Receptor Modeling: Where are we now?, presented to the Department of Chemistry and Chemical Engineering, Sun Yat Sen University, Guangzhou, China, May 22, 2014.
101. The Application of Source Apportionment Models to Ambient PM Compositional Data, presented to PRD Clean Air Training, Source Apportionment: Approach, Model and Management, Guangzhou, China, May 27, 2014.
102. Source Apportionment and Transboundary Pollution, presented to PEER-SEA Network National Workshop for Indonesia Assessment of Impacts of the Emission Reduction Measures of Short-lived Climate Forcing Pollutants (SLCPS) on Air Quality and Climate in Southeast Asia, Kuta, Bali, Indonesia, June 26, 2014.
103. Source Apportionment and Transboundary Pollution, presented to PEER-SEA Network National Workshop for Indonesia Assessment of Impacts of the Emission Reduction Measures of Short-lived Climate Forcing Pollutants (SLCPS) on Air Quality and Climate in Southeast Asia, Hanoi, Vietnam, June 30, 2014.
104. Forty+ Years of Development and Application of Receptor Modeling: Where are we now? presented to the Korean Society of the Atmospheric Environment, August 26, 2014, Seoul, Korea.

105. Science and Public Policy: Past, Present and Future of the PM NAAQS, Friedlander Lecture to 34th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 12-16, 2015.
106. Science: Informing or Driving Public Policy? How We Got to a PM_{2.5} Air Quality Standard and Where We Go from Here. LM Fingerson/TSI Incorporated Distinguished Lecture, University of Minnesota-Twin Cities, Wednesday, May 4, 2016
107. Air Pollution Control: Legislation and Regulation, Keynote Address presented to Seminar Nasional Teknologi Pengelolaan Limbah XV, Jakarta Indonesia, September 25, 2017
108. Exposure and Risk Assessment of Urban Air Pollution, Presented to Exposure and Risk Assessment of Urban Air Pollution: Case Jakarta, The Challenges to Host Asian Games 2018, Jakarta Indonesia September 26, 2017.
109. The State of the Art in Receptor Models, presented to Workshop on Strengthening the Skill, Knowledge, Application of Nuclear Analytical Methods, and Data Analysis for Air Quality Research, BATAN, Bandung, Indonesia, October 2, 2017.
110. There is More to Climate Change than CO₂. Presented to School of Engineering, Nazarbayev University, Astana, Kazakhstan, November 17, 2017.
111. There is More to Climate Change than CO₂. Presented to Department of Earth and Environmental Science, Indian Institute of Science Education and Research, Bhopal. India, February 22, 2018.
112. There is More to Climate Change than CO₂. Presented to Department of Civil and Environmental Engineering, Indian Institute of Technology, Delhi, India, March 6, 2018.
113. Predicting the spatial variability of particulate matter (PM) in urban areas with low-cost monitors and land use regression modelling, Presented to NYSDEC Division of Air's Bureau of Air Quality Analysis and Research (BAQAR) Seminar Series, Albany, NY, April 5, 2018.
114. Carbon Monoxide from Wood Pellets: Where it comes from and how to make it go away, Presented as a Harrington Stem Lectures at SUNY- New Paulz, April 10, 2018.
115. The Development of Source Apportionment Models for Air Quality Data, presented to The International workshop on Source Apportionment of Atmospheric Pollutants, Tianjin, China, August 15-16, 2018.
116. State-of-the-Art in Receptor Modeling, presented to the China Institute of Atomic Energy, Beijing, China, December 3, 2018.
117. Nuclear technology and its application to particulate pollution characterization, presented to Indonesia Nuclear Expo 2019, Jogjakarta, Indonesia, September 6-7, 2019.
118. The origins of PM_{2.5} in Beijing during the period of its worst conditions, presented to Air Quality Studies of Ambient Particulate Matter [PM_{2.5}] on Northeast Asian Countries, Seoul, Korea, January 14, 2020.
119. The Changing Nature of Air Pollutants and their Health Effects in New York State, presented at the Lamont-Dorhety Earth Observatory, February 26, 2020.
120. Cliff Spiegelman: Interactions with Chemists and Receptor Modelers, presented to the 2020 Joint Statistical Meeting, August 4, 2020, virtual conference.
121. Source Apportionment in the Indo-Gangetic Plain and Trans-boundary Pollution, presented to International Conference on Aerosol Air Quality, Climate Change and

- Impact on Water Resources and Livelihoods in the Greater Himalayas, Uttarakhand, India, September 16-18, 2020.
122. Changing toxicity of PM_{2.5} in a period of declining concentrations: Examples from New York and California, presented to Grand Rounds, American College of Medical Toxicology, December 8, 2020.
 123. Recent Advances in Using PMF for Improved Source Apportionments, presented to Air Quality Studies on Ambient Particulate Matter (PM_{2.5}) in Northeast Asian Countries, Seoul, Korea, April 27, 2021.
 124. Recent Advances in Using PMF for Improved Source Apportionments, SNU Eminent Scholars Lecture, Seoul National University, Seoul, Korea, June 29, 2021.
 125. An Introduction to Receptor Modeling: Source Apportionment of Ambient Particulate Matter, Hála Lecture at the Institute of Chemical Process Fundamentals of the Czech Academy of Sciences, Prague, CZ, September 7, 2021.
 126. The Changing Nature of Air Pollutants and their Health Effects in New York State, presented to RECETOX, Masaryk University, Brno, CZ, September 8, 2021.
 127. Carbon Monoxide from Wood Pellets: Where It Comes from and How to Make It Go Away? Presented to VŠB Ostrava (Technical University of Ostrava), Ostrava, CZ, September 9, 2021.
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 129. Accountability Studies: How to determine if policy and regulation make a difference, presented to the International Symposium on Climate Change and Air Quality, Seoul, Korea, April 6, 2022.
 130. Quantifying Aerosol Exposure, P.K. Hopke, presented to 2022 International Aerosol Conference, Athens, Greece, September 4 – 9, 2022.
 131. Introduction to and Application of Receptor Models, P.K. Hopke, presented to 2022 International Aerosol Conference, Athens, Greece, September 4 – 9, 2022.
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 16. Spectrophotometric Determination of Nitrate Ion in Fresh Water, R. A. Peterson, M. M. Metro and P. K. Hopke, presented to the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, March, 1973.
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 18. Analysis of Lead in Natural Waters, M. Salerno and P. K. Hopke, presented to the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, March, 1974.
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 35. The Kinetics of Attachment of RaA to Airborne Particulate Matter, W. L. Ho, P. K. Hopke and J. J. Stukel, presented to the ACS/CSJ Chemical Congress, Honolulu, April, 1979.
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 44. Mutagenicity of Chicago Sewage Sludge in *Zea mays* and *Tradescantia paludosa*, M.J. Plewa, E.D. Wagner, S. Wood, and P.K. Hopke, presented to 12th Annual Meeting of the Environmental Mutagen Society, San Diego, March 1981.
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 70. Obsidian Exchange in Postclassic Central Mexico: New Data from Morelos, M.E. Smith, J.H. Sorenson, and P.K. Hopke, presented to Archaeometry '84, Washington, D.C., May 1984.
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 82. Multivariate Analysis of CCSEM Data, D.S. Kim, P.K. Hopke, D.L. Massart, L. Kaufman, and G. Casuccio, presented to the 78th Annual Meeting of the Air Pollution Control Association, Detroit, MI, June 1985.
 83. Continuous Monitoring Method of the Neutralization Phenomena of Polonium-218, K.D. Chu and P.K. Hopke, presented to the 78th Annual Meeting of the Air Pollution Control Association, Detroit, MI, June 1985.
 84. Application of Multivariate Statistical Analysis for Source Identification of Air Pollutants, P.K. Hopke, presented to the VIIth International Conference on Computers in Chemical Research and Education, Garmisch-Partenkirchen, West Germany, June 1985.
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 87. Mobility Analysis System for Studying 218Po Cluster Formation, P.K. Hopke and K.D. Chu, presented to the National Meeting of the American Association for Aerosol Research, Albuquerque, NM, November 1985.
 88. Multielemental and Multivariate Analysis of Terra Sigillata, S. Wisseman, P.K. Hopke, and E. Schindler-Kaudelka, presented to the Annual Meeting of the Archaeological Institute of America, Washington, D.C., December 1985.
 89. Conceptual Design of a System to Characterize the Radioactive Ultrafine Aerosol, P.K. Hopke, presented to the APCA Specialty Conference on Indoor Radon, Philadelphia, PA, February 1986.
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 93. Multielemental and Multivariate Analysis of Italian Terra Sigillata in the World Heritage Museum, University of Illinois at Urbana-Champaign, S. Wisseman, P.K. Hopke, and E. Schindler-Kaudelka, presented to the 1986 International Symposium on Archaeometry,

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94. Provenance of Certain Mississippian Vessel Forms from the U.S.A. Using INAA and Non-Hierarchical Clustering Techniques, T. Riley, P. Hopke, R. Martin, and J. Porter, presented to the 1986 International Symposium on Archaeometry, Athens, Greece, May 1986.
 95. The Interpretation of Multielemental INAA Data Using Pattern Recognition Methods, P.K. Hopke, R.C. Martin, and M. Evins, presented to the 7th International Conference on Modern Trends in Activation Analysis, Copenhagen, Denmark, June 1986.
 96. The Detection and Measurement of the Activity Size Distribution of Ultrafine Particles, L.M. Kulju, M. Ramamurthi, and P.K. Hopke, presented to the 79th Annual Meeting of the Air Pollution Control Association, Minneapolis, MN, June 1986.
 97. Particle Class Analysis for Coal-Fired Power Plant Emissions, D.S. Kim, P.K. Hopke, and G. Casuccio, presented to the 79th Annual Meeting of the Air Pollution Control Association, Minneapolis, MN, June 1986.
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 99. Continuous Monitoring Method in the Neutralization Rate Analyses of Polonium-218, K.D. Chu and P.K. Hopke, presented to the 79th Annual Meeting of the Air Pollution Control Association, Minneapolis, MN, June 1986.
 100. A Detailed Study of NBS Simulated Data Sets by Using Chemical Mass Balance Receptor Models, M.D. Cheng and P.K. Hopke, presented to the 79th Annual Meeting of the Air Pollution Control Association, Minneapolis, MN, June 1986.
 101. AMPUC - Ambient Air Monitoring in Urbana-Champaign: Stage II, S. Dharmavaram, P.K. Hopke, and W. Pirkle, presented to the 79th Annual Meeting of the Air Pollution Control Association, Minneapolis, MN, June 1986.
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 106. Use of a Rule-Building Expert System for Classifying Single Particles Based on SEM Analysis, P.K. Hopke, D.S. Kim, R.J. Lee, and G.S. Casuccio, presented to the EPA/APCA Symposium on Measurement of Toxic and Related Air Pollutants, Raleigh, NC, May 1987.
 107. Mechanism of Formation of Ultrafine Particles by Radon Radiolysis, L. Kulju and P.K. Hopke, presented to the Semi-Annual Meeting of the Midwest Association for Cloud and

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108. Measurement of the Activity Size Distribution of Ultrafine Particles in Indoor Air, M. Ramamurthi and P.K. Hopke, presented to the Semi-Annual Meeting of the Midwest Association for Cloud and Aerosol Physics, Argonne, IL, May 1987.
 109. Effects of Measurement Errors and Collinearity on Aerosol Source Apportionment Models, M.D. Cheng and P.K. Hopke, presented to the 80th Annual Meeting of the Air Pollution Control Association, New York, NY, June 1987.
 110. Source Composition Profiles from CCSEM, D.S. Kim, P.K. Hopke, G. Casuccio, and R. Lee, presented to the 80th Annual Meeting of the Air Pollution Control Association, New York, NY, June 1987.
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 112. The Neutralization Behavior of Po-218 in Indoor Air, P.K. Hopke and K.D. Chu, presented to the 4th International Conference on Indoor Air Quality and Climate, West Berlin, Germany, August 1987.
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 114. A Study of the Relationship Between Trace Elements and Secondary Sulfate, in Submicron Atmospheric Particles, Observed at a Rural Site, S. Dharmavaram and P.K. Hopke, presented to the 1987 Annual Meeting of the American Association for Aerosol Research, Seattle, WA, September 1987.
 115. Development of Multivariate Analysis Procedures for Ontario Air Quality Data, P.K. Hopke and Y. Zeng, presented to the 1987 Technology Transfer Conference, Toronto, Canada, November 1987.
 116. The Use of CCSEM and Microimaging to Study Source/Receptor Relationships, G.S. Casuccio, A.J. Schwoeble, B.C. Henderson, R.J. Lee, P.K. Hopke, and G.M. Sverdrup, presented to the APCA Specialty Conference on Receptor Models in Air Resources Management, San Francisco, CA, February 1988.
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 120. The Use of Fractal Dimension to Characterize Individual Airborne Particles, P.K. Hopke, Y.D. Adewuyi, G. Casuccio, and R. Lee, presented to the 1988 EPA/APCA Symposium on Measurement of Toxic and Related Air Pollutants, Raleigh, NC, May 1988.
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122. The Use of Constrained Least-Squares Regression to Solve the Chemical Mass Balance Problem, D. Wang and P.K. Hopke, presented to the 81st Annual Meeting of the Air Pollution Control Association, Dallas, Texas, June 1988.
 123. Optimization of Operating Parameters for Nonconventional Diffusion Batteries by the Convolution Algorithm Simulations, M. Ramamurthi and P. Hopke, presented at the 19th Annual Fine Particle Society Meeting, Santa Clara, CA, July 1988.
 124. Heavy Metal Contamination in Rock River (Illinois) and Tributary Creek Sediments, B. Golchert, S. Landsberger, and P.K. Hopke, presented at Trace Metals in Lakes, Burlington, Canada, August 1988.
 125. Production of Ultrafine Particles by Radon Radiolysis, P.K. Hopke and M. Ramamurthi, presented at the 12th International Conference on Atmospheric Aerosols and Nucleation, Vienna, Austria, August 1988.
 126. Detection and Measurement of Ultrafine Activity Size Distributions Associated with Radon Decay Products, M. Ramamurthi and P.K. Hopke, presented at the 1988 Annual Meeting of the American Association for Aerosol Research, Chapel Hill, NC, October 1988.
 127. Formation of Ultrafine Aerosols (0.5-20 nm) from Radon Radiolysis, P.K. Hopke, M. Ramamurthi, and R. Strydom, presented at the 1988 Annual Meeting of the American Association for Aerosol Research, Chapel Hill, NC, October 1988.
 128. A Study on the Sources of Acid Precipitation in Ontario, Canada, P.K. Hopke and Y. Zeng, presented at the 1988 OME Environmental Research: Technology Transfer Conference, Toronto, Canada, November 1988.
 129. Rotation of Factors Produced by Three-Mode Factor Analysis in Receptor Modeling, Y. Zeng and P.K. Hopke, presented at 1989 EPA/AWMA Symposium on Measurement of Toxic and Related Air Pollutants, Raleigh, NC, May 1989.
 130. Receptor Modeling for PM₁₀ Source Apportionment in Southeast Chicago, S.J. Vermette, C.W. Sweet, D.F. Gatz, S. Landsberger, and P.K. Hopke, Paper No. 89-33.7, presented at the 82nd Annual Meeting of the Air Pollution Control Association, Anaheim, CA, June 1989.
 131. The CT-121 FGD System Monitoring Project of the University of Illinois Abbott Plant -- A Preliminary Evaluation, A.V. Someshwar, S. Bhagat, P.K. Hopke, G. Maller, and G.E. Stevens, Paper No. 89-18.3, presented at the 82nd Annual Meeting of the Air Pollution Control Association, Anaheim, CA, June 1989.
 132. Rotation of Factors Produced by Three-Mode Factor Analysis in Receptor Modeling, Y. Zeng and P.K. Hopke, Paper No. 89-103.9, presented at the 82nd Annual Meeting of the Air Pollution Control Association, Anaheim, CA, June 1989.
 133. Source Apportionment for Airborne Particles in Granite City, Illinois, D.M. Glover, P.K. Hopke, D.R. D'Auben, S.J. Vermette, and S. Landsberger, Paper No. 89-103.4, presented at the 82nd Annual Meeting of the Air Pollution Control Association, Anaheim, CA, June 1989.
 134. The Measurement of Size Fractions of Radon Progeny, P.K. Hopke, presented at the Technical Measurements Center, operated by UNC Geotech for the Grand Junction Project Office, Grand Junction, Colorado, September 1989.

135. Formation of Ultrafine Aerosols (0.5-20 nm) from Radon Radiolysis. P.K. Hopke and M. Ramamurthi, R. Strydom, K.W. Tu, E.O. Knutson, R.F. Holub, W. Winklmayr, W. Marlow, and S.C. Yoon, presented at the American Association for Aerosol Research, Reno, NV. October 1989.
136. Comparison of the Source Locations of Particles and Acid Precipitation in Ontario, Canada, Y. Zeng and P.K. Hopke, presented at the American Association for Aerosol Research, Reno, NV. October 1989.
137. Verification of Penetration Theories Using A Monodisperse Cluster Aerosol, ($D=0.078 \pm 0.003$ cm²/s, $d_p \approx 0.6$ nm), M. Ramamurthi and P.K. Hopke, presented at the American Association for Aerosol Research, Reno, NV. October 1989.
138. DB-CNC Measurements of Radiolytic Ultrafine Aerosol Size Distributions, $d_p > 5$ nm, M. Ramamurthi and P.K. Hopke, presented at the American Association for Aerosol Research, Reno, NV. October 1989.
139. Radon Decay Product Activity Size Distribution Measurement Methods - A Laboratory Intercomparison, M. Ramamurthi, P.K. Hopke, R. Strydom, K.W. Tu, E.O. Knutson, R.F. Holub, W. Winklmayr, W. Marlow, and S.C. Yoon, presented at the American Association for Aerosol Research, Reno, NV. October 1989.
140. An Automated, Semi-Continuous Graded Screen Array (ACS-GSA) System for Indoor Radon Decay Product Activity Size Distribution Measurements, M. Ramamurthi and P.K. Hopke, presented at the American Association for Aerosol Research, Reno, NV. October 1989.
141. Identification of the Source Regions for Acidic Particles and Precipitation in Ontario, Canada, Y. Zeng and P.K. Hopke, presented at SETAC 10th Annual Meeting, Toronto, Ontario, October 1989.
142. Reception Modeling, P.K. Hopke, presented at 1989 Conference for Mathematics in Chemistry Meeting, Texas A & M University in College Station, Texas, November, 1989.
143. Source Identification and Apportionment for Airborne Particles in Hamilton, Ontario, Y. Zeng and P.K. Hopke, presented at the 1989 Technology Transfer Conference Toronto, Ontario, November 1989.
144. Comparison of the Source Locations of Acidic Particles and Precipitation in Ontario, Y. Zeng and P.K. Hopke, presented at the 1989 Technology Transfer Conference, Toronto, Ontario, November 1989.
145. Sampling and Analytical Methodologies for Instrumental Neutron Activation Analysis of Airborne Particulate Matter, S. Landsberger, V.G. Vermette, and P.K. Hopke, presented at International Atomic Energy Agency Regional Seminar for Asia and the Pacific on Nuclear Research Centres in the Service of Environmental Research and Service-Client-Sponsor Relationships, Jakarta, Indonesia, November 1989.
146. An Automated, Semi-Continuous System for Measuring Indoor Radon Progeny Activity-Weighted Size Distributions, $D_p: 0.5-500$ NM, C.S. Li, P.K. Hopke, and M. Ramamurthi, presented at 1990 EPA/A&WMA International Symposium on Measurement of Toxic and Related Pollutants, April, 1990.
147. Comparison of the Source Locations of Particles and Acid Precipitation in Ontario, Canada, Y. Zeng and P.K. Hopke, presented at 1990 EPA/A&WMA International Symposium on Measurement of Toxic and Related Pollutants, Raleigh, N.C., April, 1990.

148. The Use of Fractal Dimension to Characterize Individual Airborne Particles, P.K. Hopke, G.S. Casuccio, R.J. Lee, and J. Mershon, Scientific Computing and Automation Conference, Maastricht, The Netherlands, June 1990.
149. Use of a Rule-Building Expert System for Classifying Single Particles Based on SEM Analysis, P.K. Hopke and Y. Mi, Scientific Computer and Automation Conference, Maastricht, The Netherlands, June 1990.
150. Potential for Forming Ultrafine Aerosols from Indoor Organic Vapors by Radon Decay Radiolysis-Induced Reactions, J.M. Daisey and P.K. Hopke, presented at AAAR 1990 Annual Meeting, PA., June, 1990.
151. Intercomparisons of Radon Progeny Size Distribution Measurement Techniques in an Underground Research Uranium Mine, M. Ramamurthi, R. Strydom, and P.K. Hopke, presented at AAAR 1990 Annual Meeting, PA., June, 1990.
152. Production of Sulfuric Acid Aerosol by Radiolytic Conversion of SO₂, K. Karpen-Hayes and P.K. Hopke, presented at AAAR 1990 Annual Meeting, PA., June, 1990.
153. Measurement of the Effect of SO₂ on the Polonium-218 Ion Mobility Spectrum by Alpha-Track Detection, S.C. Yoon, W.H. Marlow, P.K. Hopke, and M. Ramamurthi, presented at AAAR 1990 Annual Meeting, PA., June, 1990.
154. Particle Class Balance for Apportioning Aerosol Mass with Size Segregation Scheme, D-S, Kim and P.K. Hopke, Air and Waste Management Association, Pittsburgh, PA, June 1990.
155. Field Evaluation and Health Assessment of Air Cleaners in Removing Radon Decay Products, C.S. Li, M. Ramamurthi, P.K. Hopke, K. Gadsby, A. Cavallo, and R. Sokolow, presented at AAAR 1990 Annual Meeting, PA., June, 1990.
156. Particle Size Distribution of Various Ambient Aerosol Sources, K. Shah, W. Li and P.K. Hopke, presented at the American Chemical Society Northeast Regional Meeting, June, 1990.
157. The Generation of Particle with Vibrating Reed Aerosol Generator, B. Shah and P.K. Hopke, presented at the American Chemical Society Northeast Regional Meeting, June, 1990.
158. Analysis of Atmospheric Chemical Data by Projection Pursuit, D.M. Glover and P.K. Hopke, presented at the American Chemical Society Northeast Regional Meeting, June, 1990.
159. Modeling Radon Progeny Size Distribution in An Aerosol Chamber, M. Lao, K. Karpen-Hayes, and P.K. Hopke, presented at the American Chemical Society Northeast Regional Meeting, June, 1990.
160. Particle Class Balance for Apportioning Aerosol Mass with Size Segregation Scheme, D.S. Kim, and P.K. Hopke, Air & Waste Management Association, Pittsburgh Pennsylvania, June 1990.
161. Air Cleaning and Radon Decay Product Mitigation: A Re-evaluation, P.K. Hopke, C.S. Li and M. Ramamurthi, presented at the 5th International Conference on Indoor Air Quality and Climate, July, 1990.
162. Measurement of the Size Distributions of Radon Progeny in Indoor Air, P.K. Hopke, M. Ramamurthi and C.S. Li, presented at Third International Aerosol Conference, Kyoto, Japan, September 1990.

163. The Effect of Air Cleaning on the Size of the Indoor Radioactive Aerosol, P.K. Hopke, C.S. Li, M. Ramamurthi and B. Litt, presented at Third International Aerosol Conference, Kyoto, Japan, September 1990.
164. Use of the Potential Source Contribution Function to Trace the Origins of Airborne Contaminants, P.K. Hopke, Y. Zeng, and M.D. Cheng, presented to Environsoft '90, Montreal, Canada, September 1990.
165. Air Cleaning and Radon Decay Product Mitigation, P.K. Hopke, C.-S. Li, and M. Ramamurthi, presented at the 29th Hanford Symposium on Health and the Environment, Richland, Washington, October 1990.
166. Measurement of Size Distributions of Indoor Radioactive Aerosol, C.S. Li and P.K. Hopke, presented at the 29th Hanford Symposium on Health and the Environment, Richland, Washington, October 1990.
167. Further Developments in the Analysis of Three Dimensional Environmental Data, P.K. Hopke and Y. Zeng, presented at the Environmental Research: 1990 Technology Transfer Conference, Toronto, Canada, November 1990.
168. An Attempt to Identify Potential Source Regions of Airborne Pollutants Observed at Canadian High Arctic Using 3-Layer PSCF Technique, M.D. Cheng, P.K. Hopke, S. Landsberger, and L.A. Barrie, presented at to The Seventh Joint Conference on Applications of Air Pollution Meteorology, New Orleans, Louisiana, January 1991.
169. Analysis of the Performance of the Radon Mitigation System Based on Charcoal Bed, P. Wasiolek, N. Montassier, P.K. Hopke, and R. Abrams, presented at the 1991 Symposium on Radon and Radon Reduction Technology, Philadelphia, Penn, April, 1991.
170. Intercomparison of Activity Size Distribution Measurements With Manual and Automated Diffusion Batteries - Field Test, P.K. Hopke, P. Wasiolek, E.O. Knutson, K.W. Tu, C. Gogolak, A. Cavallo, K. Gadsby, and D. Van Cleef, presented at the 1991 Symposium on Radon and Radon Reduction Technology, Philadelphia, Penn, April, 1991.
171. Source of Trace Elements Observed in the Arctic Aerosol, P.K. Hopke, M.D. Cheng, S. Landsberger, and L.A. Barrie, presented at American Chemical Society National Meeting, Atlanta, GA, April, 1991.
172. Identification of Source Regions for Trace Constituents of Particles and Precipitation Observed in Southern Ontario, P.K. Hopke, M.D. Cheng, and Y. Zeng, presented at American Chemical Society National Meeting, Atlanta, GA, April, 1991.
173. The Field Measurements of the Activity-Weighted Size Distributions of Radon Decay Products, P. Wasiolek, N. Montassier, and P.K. Hopke, presented at EPA/AWMA Symposium on the Measurement of Toxic and Related Air Pollutants, Durham, NC, May, 1991.
174. Target Transformation Factor Analysis of Indoor Polynuclear Aromatic Hydrocarbons Collected in Columbus, Ohio, M.D. Cheng, P.K. Hopke, and N. Wilson, presented at EPA/AWMA Symposium on the Measurement of Toxic and Related Air Pollutants, Durham, NC, May, 1991.
175. A New Receptor Model Developed by Modifying a Direct Trilinear Decomposition, Y. Zeng and P.K. Hopke, presented at EPA/AWMA Symposium on the Measurement of Toxic and Related Air Pollutants, Durham, NC, May, 1991.
176. The Efficacy of the Air Cleaning Systems in Controlling Indoor Radon Decay Products,

- C.-S. Li and P.K. Hopke, presented at Air & Waste Management Meeting, Vancouver, June, 1991.
177. Penetration of Ultrafine Particles of ^{218}Po Through Human Nasal and Oral Cast Models, N. Montassier, K. Karpen-Hayes, P.K. Hopke, and D.L. Swift, presented at the Fifth International Symposium on the Natural Radiation Environment, Salzburg, September, 1991.
 178. Measurement of Activity-Weighted Size Distributions of Radon Decay Products in Normally Occupied Homes, P.K. Hopke, P. Wasiolek, N. Montassier, A. Cavallo, K. Gadsby and R. Socolow, presented at the Fifth International Symposium on the Natural Radiation Environment, Salzburg, September, 1991.
 179. The Development of Target Transformation Factor Analysis as A Receptor Model, P.K. Hopke, presented at American Association for Aerosol Research, Traverse City, Michigan, October, 1991.
 180. The Development of a Sampler to Remove Particles From Clean Room Surfaces, P.K. Hopke, N. Montassier and D.W. Cooper, presented at American Association for Aerosol Research, Traverse City, Michigan, October, 1991.
 181. Size Distributions of Radon Decay Products in Domestic Environments, P.K. Hopke and P. Wasiolek, presented at American Association for Aerosol Research, Traverse City, Michigan, October, 1991.
 182. The Development and Testing of A System for the Determination of the Hygroscopic Growth of Aerosols, N. Montassier, W. Li and P.K. Hopke, presented at American Association for Aerosol Research, Traverse City, Michigan, October, 1991.
 183. The Application of Direct Trilinear Decomposition (DTD) To Real Airborne Particle Composition Data, P.K. Hopke, M.D. Cheng and Y. Zeng, presented at the Technology Transfer Conference, Toronto, Ontario, November 1991.
 184. Analysis of Airborne Particulate Chemical Data by Projection Pursuit, D.M. Glover and P.K. Hopke, presented at American Chemical Society Meeting, San Francisco, CA, April 1992.
 185. The Use of Chemical and Meteorological Information to Infer Emission Sources of Airborne Particulate Matter in the Los Angeles, CA area, P.K. Hopke, M.D. Cheng, and N. Gao, presented at the American Chemical Society Meeting, San Francisco, CA, April 1992.
 186. Evaluation of The Effectiveness of Several Types of Air Cleaners in Reducing the Hazards of Indoor Radon Decay Products, N. Montassier, P.K. Hopke, Y. Shi, P. Wasiolek, and B. McCallum, presented at the 1992 International Symposium on Measurement of Toxic Related Pollutants, Durham, NC, May 1992.
 187. Evaluation of The Effectiveness of Several Types of Air Cleaners in Reducing the Hazards of Indoor Radon Decay Products, N. Montassier, P.K. Hopke, Y. Shi, P. Wasiolek, and B. McCallum, presented at International Radiation Protection Association, Montreal, Canada, May 1992.
 188. Measurement of Concentration and Size Distribution of Radon Decay Products in Homes using Air Cleaners, N. Montassier, P. Wasiolek, P.K. Hopke, and B. McCallum, presented at the Air and Waste Management Association Annual Meeting, Kansas City, MO, June 1992.

189. Tracing Atmospheric Acidic Species to Source Locations in SoCAB, M.D. Cheng and P.K. Hopke, presented at the Air and Waste Management Association Annual Meeting, Kansas City, MO, June 1992.
190. Application of Receptor Modeling Methods for Airborne Acidic Species Collected in SCAQS, 1987, N. Gao, M.D. Cheng, and P.K. Hopke, presented at Chemometrics in Analytical Chemistry Conference Montreal, Canada, July 1992.
191. Qualitative Determination of Source Regions of Long-Range Transported Aerosol Using Data Collected at Canadian High Arctic, M.D. Cheng, P.K. Hopke, A. Rippe, S. Landsberger, L. Barrie, presented at the 5th Symposium on Arctic Air Chemistry, Copenhagen, Denmark, (1993).
192. A Radon Progeny Lung Dose Monitor, H.A. Wright G.S. Hurst, S.R. Hunter, and P.K. Hopke, presented at the International Symposium on Radon and Radon Reduction Technology, Minneapolis, Minnesota, September 1992.
193. Continuous Measurement of the Radon Concentration in Water Using Electret Ion Chamber Method, P.K. Hopke, S.K. Dua, and P. Kotrappa, presented at the International Symposium on Radon and Radon Reduction Technology, Minneapolis, Minnesota, September 1992.
194. Investigation of Source-Receptor Relationships for Airborne Acidic Species Collected in SCAQS, N. Gao, M.D. Cheng and P.K. Hopke presented at the American Association for Aerosol Research Annual Meeting, San Francisco, CA, October 1992.
195. Use of Meteorological Data In Chemical Receptor Model for Source Identification, M.D. Cheng and P.K. Hopke, presented at the American Association for Aerosol Research Annual Meeting, San Francisco, CA, October 1992.
196. Identification of the Locations of Trace Elements Found In Particles and Precipitation, P.K. Hopke and N. Gao, presented at the Environment Research & Technology Conference, Toronto, Canada, November 1992.
197. Evaluation of Room Air Cleaners for the Reduction of Exposure and Dose to Indoor Radon Progeny, P.K. Hopke, B. Jensen, N. Montassier, and P. Wasiolek, presented at the First International Workshop on Indoor Radon Remediation, Rimini, Italy, June 27 to July 2, 1993.
198. Hygroscopic Growth of Particles from Indoor Sources, P.K. Hopke, W. Li, and S.K. Dua, presented at the Sixth International Conference on Indoor Air Quality and Climate, Helsinki, Finland, July 4-8, 1993.
199. Applications of Three-Way PCA to Environmental Data Sets, P.K. Hopke, First Conference on Three-Way Methods in Chemistry, Epe, The Netherlands, August 1993.
200. Electret Ion Chamber Method for Continuous Measurement of Concentration of Radon in Water, P. Kotrappa, S.K. Dua, and P.K. Hopke, presented at the 1993 AARST International Symposium on Radon, Denver, CO, September 1993.
201. Identification of the Potential Source Locations for Elements Observed in Particles Collected at Ny Ålesund, C.-L. Li, P.K. Hopke, W. Maenhaut, and J. Pacyna, presented at the International Symposium on the Ecological Effects of Arctic Airborne Contaminants, Reykjavik, Iceland, October 1993.
202. Particle Size and Charge Neutralization of Thoron Progeny, Y.S. Cheng, C.C. Yu, and P.K. Hopke, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.

203. Characterization of and Improvements to the Dryden Surface Sampler, O.O. Olawoyin, and P.K. Hopke, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
204. Experimental Study of Ion-Induced Nucleation Using a Thermal Diffusion Cloud Chamber, F. He and P. Hopke, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
205. A Study of the Sources of Air Pollutants Observed at Tjörn, Sweden, A.X. Fan, P.K. Hopke, J.M. Pacyna, and M. Öblad, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
206. Exploring Methods to Quantify the Shape of Individual Airborne Particles, Y. Xie, P.K. Hopke, G.S. Casuccio, and B. Henderson, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
207. Identification of the Potential Source Locations for Elements Observed in Particles Collected at Ny Ålesund, C-L Li, P.H. Hopke, W. Maenhaut, and J. Pacyna, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
208. Tracing the Origins of Trace Elements Found in Precipitation and Particles Collected at Dorset, Ontario, N. Gao and P.K. Hopke, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
209. Measurement of Hygroscopicity of Consumer Product Aerosols S. K. Dua, P.K. Hopke, and W. Li, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
210. Study of Air Pollution Source/Receptor Relationships using a Combination of Kohonen's Neural Network and Prim's Minimal Spanning Tree, N. Gao, P.K. Hopke, and D. Wienke, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
211. Determination of Room Model Parameters of the Behavior of Radon Progeny In Indoor Air Based on Experimental Data, B. Jensen, and P.K. Hopke, presented to the 1993 Annual Meeting of the American Association for Aerosol Research, Oak Brook, IL, October 1993.
212. Advances in Receptor-Oriented Methodologies: A Hybrid Model for Long-Range Transport of Aerosol, M.-D. Cheng, P.K. Hopke, L.A. Barrie, and S. Landsberger, presented at the 1993 International Conference on Aerosol Science and Technology, Taichung, Taiwan, ROC, October 28-30, 1993.
213. A Study on the Sources of Air Pollutants Observed at Tjorn (Sweden), A. Fan, P. K. Hopke, T. M. Raunemaa presented at the 1994 European Aerosol Conference, Blois, France May 30-June 2, 1994.
214. Ion-Induced Nucleation of Indoor VOCs by Radon Decay, P. K. Hopke and F. He presented at the 1994 European Aerosol Conference, Blois, France May 30-June 2, 1994.
215. The Use of Bootstrapping to Estimate Conditional Probability Fields for Source Locations of Airborne Pollutants, P. K. Hopke and Chong-Le Li, presented at the International Chemometrics Research Meeting, Veldhoven, The Netherlands July 3-7, 1994.
216. Rapid Classification of Airborne Particle Images by an Adaptive Resonance Theory

- Based Artificial Neural Network (ART-2a), D. Wienke., Y. Xie, P. K. Hopke, presented at the International Chemometrics Research Meeting, Veldhoven, The Netherlands July 3-7, 1994.
217. Spatial Distribution of Particle Sources Based on Elemental Compositions Measured at Multiple Sampling Sites, N. Gao, X. Liu, P. K. Hopke, D. Cohen, G. Bailey, P. Crisp, presented at the 208th American Chemical Society National Meeting, Washington, D.C. August 21-25, 1994.
 218. Hygroscopic Growth of Consumer Spray Products, S. K. Dua, P. K. Hopke and T. Raunemaa, presented at the Fourth International Aerosol Conference, Los Angeles, CA August 29-September 2, 1994.
 219. A System for Sizing, Aerodynamically, Aerosol Particles in the 0.5 nm Range, O. O. Olawoyin, T. M. Raunemaa and P. K. Hopke, presented at the Fourth International Aerosol Conference, Los Angeles, CA August 29-September 2, 1994.
 220. Dynamic Model for the Size Distribution of Airborne Radon Progeny in a Shower Stall, V. K. Datye, B. Jensen and P. K. Hopke, presented at the Fourth International Aerosol Conference, Los Angeles, CA August 29-September 2, 1994.
 221. Modeling the Behavior of Air Cleaners on Radon Progeny in Controlled Indoor Air, Based on Experimental Data, B. Jensen, P. K. Hopke, R. Sextro, M. Xu and M. Nematollahi, presented at the Fourth International Aerosol Conference, Los Angeles, CA August 29-September 2, 1994.
 222. In-Home and Laboratory Experiments for Short Term Dose from Radon and Radon Progeny in Showering, P. K. Hopke and T. M. Raunemaa, presented at the Fourth International Aerosol Conference, Los Angeles, CA August 29-September 2, 1994.
 223. Evaluation of Spatial Patterns of Ambient Elemental Concentrations of Atmospheric Aerosols by Factor Analysis Methods, X. Liu, N. Gao, P. K. Hopke, D. Cohen. G. Bailey and P. Crisp, presented at the Fourth International Aerosol Conference, Los Angeles, CA August 29-September 2, 1994.
 224. Airborne Particles Classification with a Combination of Chemical Composition and Shape Index Utilizing an Adaptive Resonance Theory (ART) based Artificial Neural Network, Y. Xie, P. K. Hopke and D. Wienke, presented at the Fourth International Aerosol Conference, Los Angeles, CA August 29-September 2, 1994.
 225. Study of Ion-Induced Binary Nucleation of H₂O-H₂SO₄ with Radiolysis Formation of H₂SO₄ in Thermal Diffusion Cloud Chamber (TDCC), F. He and P. K. Hopke, presented at the Fourth International Aerosol Conference, Los Angeles, CA August 29-September 2, 1994.
 226. Evaluation of An Electrostatic Air Cleaner For Particle and Radon-Decay Product Removal from Indoor Air, P. K. Hopke and B. Jensen, presented at the International Workshop, Indoor Air - An Integrated Approach, Gold Coast, Queensland, Australia November 27-December 1, 1994.
 227. Assessment of Exposure to Radon and It's Decay Products From Showering in Radon-Laden Water, P. K. Hopke, T. M. Raunemaa, V. Datye, K. Kuuspallo and B. Jensen, presented at the International Workshop, Indoor Air - An Integrated Approach, Gold Coast, Queensland, Australia November 27-December 1, 1994.
 228. Effects of Volatile Organic Compound (VOC) and Water Vapor on the ²¹⁸Po⁺ Cluster Aerodynamic Size Distribution, O. O. Olawoyin, P. K. Hopke, presented at the NRE-VI

- Symposium, Montreal, June 5-9, 1995.
229. Hygroscopicity of Indoor Aerosols and Their Influence on the Deposition of Inhaled Radon Decay Products, S. K. Dua, P. K. Hopke, presented at the NRE-VI Symposium, Montreal, June 5-9, 1995.
 230. Exposure Assessment for Showering with ²²²Radon Bearing Water Based on a Dynamic Model for the Airborne Activity Size Distribution, V. K. Datye, P. K. Hopke, T. Raunemaa, K. Kuuspallo, & B. Jensen, presented at the NRE-VI Symposium, Montreal, June 5-9, 1995.
 231. A System Used for Size Determination of Radioactive Aerosol Particles, L. Fei and P. K. Hopke, presented at the NRE-VI Symposium, Montreal, June 5-9, 1995.
 232. Estimate of Radon Progeny Exposure and Dose in Dry Mines Using Diesel Equipment, P. K. Hopke, K. Kuuspallo and T. Raunemaa, presented at NRE-VI Symposium, Montreal, June 5-9, 1995.
 233. The Ratio of Aerosol Optical Absorption Coefficients to Sulphur Concentrations as an Indicator of Smoke from Forest Fires when Sampling in Polar Regions, A.V. Polissar, P.K. Hopke, W.C. Malm, and J.F. Sisler, presented at European Aerosol Conference, Helsinki, Finland, September 18-22, 1995.
 234. Bromine, Sulfur and Manganese Source Contribution Characteristics in Eastern Baltic Sea and Atlantic Ocean Aerosol as Determined by PSCF Calculations, T. Raunemaa, P.K. Hopke, and A. Fan, presented at European Aerosol Conference 1995, Helsinki, Finland, September 18-22, 1995.
 235. A Novel Method to Study Radon and Radon Progeny Emanation from Water, T. Raunemaa, P.K. Hopke, and K. Kuuspallo, presented at European Aerosol Conference 1995, Helsinki, Finland, September 18-22, 1995.
 236. Spatial and Seasonal Variations of Atmospheric Aerosol Concentration in Alaska, A.V. Polissar, P.K. Hopke, W.C. Malm, and J.F. Sisler, presented at European Aerosol Conference 1995, Helsinki, Finland, September 18-22, 1995.
 237. The Ratio of Aerosol Optical Absorption Coefficients to Sulphur Concentrations as an Indicator of Smoke from Forest Fires when Sampling in Polar Regions, A.V. Polissar, P.K. Hopke, W.C. Malm, and J.F. Sisler, presented at American Association for Aerosol Research Annual Meeting, Pittsburgh, PA, October 9-13, 1995.
 238. A Study of the Importance of the Construction and Use of Deconvolution Algorithms in Determining Activity Weighted Size Spectra, B. Fitzgerald and P.K. Hopke, presented at American Association for Aerosol Research Annual Meeting, Pittsburgh, PA, October 9-13, 1995.
 239. Experimental Study of the Submicron Particles Deposition Velocity in a Test Chamber, B. Mesbah, B. Fitzgerald, Y. Nomura, and P.K. Hopke, presented at American Association for Aerosol Research Annual Meeting, Pittsburgh, PA, October 9-13, 1995.
 240. The Introduction and Application of a New Receptor Model: Three-Way Positive Matrix Factorization (PMF3), H. Jia, P.K. Hopke, P. Paatero, J.M. Ondov, and F. Divita, presented at American Association for Aerosol Research Annual Meeting, Pittsburgh, PA, October 9-13, 1995.
 241. Measurements of Effects of O₂ on the Properties of ²¹⁸Po⁺, L. Olawoyin and P.K. Hopke, presented at American Association for Aerosol Research Annual Meeting,

- Pittsburgh, PA, October 9-13, 1995.
242. The Formation of ²¹⁸Po Clusters in Various Atmospheres Containing Volatile Organic Compounds, B. Mesbah, P.K. Hopke, B. Fitzgerald, and O.O. Olawoyin, presented at 70th Colloid and Surface Science Symposium, Clarkson University, Potsdam, NY, June 17, 1996.
 243. The Use of Positive Matrix Factorization to Quantitatively Apportion Sources of Airborne Particles, P.K. Hopke, presented at Chemometrics in Analytical Chemistry Conference, Tarragona, Spain, June 26, 1996.
 244. Further Study on the Classification of Single Particles Based on Automated Electron Microscopic Data, P.K. Hopke, presented at Chemometrics in Analytical Chemistry Conference, Tarragona, Spain, June 25, 1996.
 245. Ion-Induced Nucleation of Volatile Organic Compounds, P.K. Hopke and F. He, presented at the 14 International Conference on Nucleation and Atmospheric Aerosols, Helsinki, Finland, August 26-28, 1996.
 246. Neural Networks Used for the Classification of Single Particles Based on Computer-Controlled Scanning Electron Microscopy (CCSEM) Data, X.-H. Song and P.K. Hopke, presented to 15th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 14-18, 1996.
 247. Elemental Composition and Sources of Atmospheric Aerosol in Alaska, A.V. Polissar, P.K. Hopke, P. Paatero, W.C. Malm, and J.F. Sisler, presented to 15th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 14-18, 1996.
 248. Three-Way Factor Analysis: Examination and Comparison of Alternative Computational Methods, P.K. Hopke, P. Paatero, H. Jia, R.T. Ross, and R.A. Harshman, Conference on Three-Way Methods in Chemistry and Psychology, Lake Chelan, Washington, May 4-9, 1997.
 249. Identification of Source Nature and Seasonal Variations of Arctic Aerosol by Positive Matrix Factorization, Y.-L. Xie, P.K. Hopke, and P. Paatero, Conference on Three-Way Methods in Chemistry and Psychology, Lake Chelan, Washington, May 4-9, 1997.
 250. The Application of Positive Matrix Factorization to Identification Sources of Atmospheric Aerosol over Alaska, P.K. Hopke, A.V. Polissar, P. Paatero, W. C. Malm and J. F. Sisler, Conference on Three-Way Methods in Chemistry and Psychology, Lake Chelan, Washington, May 4-9, 1997.
 251. Identification of Source Nature and Seasonal Variations of Arctic Aerosol by Positive Matrix Factorization, Y.-L. Xie, P.K. Hopke, P. Paatero, L.A. Barrie and S.-M. Li, IGAC-SPARC-GAW Conference on Global Measurement Systems for Atmospheric Composition, Toronto, Ontario, Canada, May 20-22, 1997.
 252. Seasonal and Long-Term Variability in Concentrations of Gases and Particles at Barrow, Alaska, A.V. Polissar, P.K. Hopke, P. Paatero, Y.J. Kaufman, D.K. Hall, B.A. Bodhaine, E.G. Dutton IGAC-SPARC-GAW Conference on Global Measurement Systems for Atmospheric Composition, Toronto, Ontario, Canada, May 20-22, 1997.
 253. Regression on Parameters From 3-Way Decomposition, P. Geladi, Y-L Xie, A.V. Polissar and P. Hopke, Presented to 5th Scandinavian Sympostun on Chemometrics, Lahti, Finland, August 17-21, 1997.
 254. Nonlinearities and Prediction Bias in Multivariate Regression for Environmental Data, P. Geladi, L. Hadjiidki and P.K. Hopke, Presented to the Conferentia Chemometrica,

- Budapest, Hungary, August 21-23, 1997.
255. Multivariate Regression for Environmental Data: Nonlinearities and Prediction Bias, P. Geladi, L. Hadjiiski and P.K. Hopke, Presented to Conferentia Chemometrica, Budapest, Hungary, August 21-23, 1997.
 256. Receptor Modeling for PM_{2.5} and PM₁₀, P.K. Hopke, Presented to AWMA-AGU Conference on Visual Air Quality: Aerosols and Global Radiation Balance, Bartlett, NH, September 9-12, 1997.
 257. Seasonal and Long-Term Variability of Atmospheric Aerosol Sources in the Western Arctic, A.V. Polissar, P.K. Hopke, and Y.-L. Xie, Presented to AWMA-AGU Conference on Visual Air Quality: Aerosols and Global Radiation Balance, Bartlett, NH, September 9-12, 1997.
 258. Modeling and Prediction of Ambient Ozone Concentrations Based on Neural Network Approach, L. Hadjiiski and P.K. Hopke, Presented to AWMA-AGU Conference on Visual Quality Aerosols & Global Radiation Balance, Bartlett, NH, September 9-12, 1997.
 259. Narrow Tubing Approximation for the Heat and Mass Transfer in Flow Diffusion Chamber, M.P. Anisimov and P.K. Hopke, Denver, CO, October 13-17, 1997.
 260. Natural, Seasonal Variation and Preferred Pathways of Possible Sources of Arctic Aerosol, Y.-L. Xie and P.K. Hopke, presented to 16th Annual Meeting of the American Association for Aerosol Research, Denver, CO, October 13-17, 1997.
 261. Emission Sources from the Ambient Data of Volatile Organic Compounds by Neural Networks, X.-H. Song and P.K. Hopke, presented to 16th Annual Meeting of the American Association for Aerosol Research, Denver, CO, October 13-17, 1997.
 262. Local Modeling of Atmospheric Aerosols Based on Trajectory Statistics, L. Hadjiiski and P.K. Hopke, presented to 16th Annual Meeting of the American Association for Aerosol Research, Denver, CO, October 13-17, 1997.
 263. Long-Term Trends and Seasonal Variations of Arctic Haze at Barrow, Alaska, A.V. Polissar and P.K. Hopke, presented to 16th Annual Meeting of the American Association for Aerosol Research, Denver, CO, October 13-17, 1997.
 264. A Prospective Assessment of the 210Po Surface Collection Method for Estimating 222Rn Exposure, P.K. Hopke and B. Fitzgerald, Presented to the 7th Tohwa University International Symposium, Fukuoka, Japan, October 23-25, 1997.
 265. Nonlinearities and Prediction Bias in Multivariate Regression for Environmental Data, P. Geladi, L. Hadjiiski and P.K. Hopke, Presented to Chemometrics: Analytical Science of the Future, Nijmegen, Netherlands, November 7, 1997.
 266. Design of Large Scale Models Based on Multiple Neural Network Approach, L. Hadjiiski and P.K. Hopke, Presented to Artificial Neural Networks in Engineering, Rolla, MO, November 8-12, 1997.
 267. Semiempirical Rules of the Ion Induced Vapor Nucleation, M. P. Anisimov and P.K. Hopke, Presented to AIChE Annual Meeting, Los Angeles, CA, November 16-20, 1997.
 268. Classification of Soils Using their Phospholipid Fatty Acid Content, P.K. Hopke, K. Scow, M.A. Bruns, and D.A. Bossio, presented to Second International Chemometrics Research Meeting, Veldhoven, The Netherlands, May 24-28, 1998.
 269. Multiway Analysis of Airborne Particle Composition Data, P.K. Hopke, Y.L. Xie and P.

- Paatero, presented to Second International Chemometrics Research Meeting, Veldhoven, The Netherlands, May 24-28, 1998.
270. Receptor Modeling Assessment of PTEAM Data, E. Yakovleva, P.K. Hopke, and L. Wallace, presented to 17th Annual Meeting of the American Association for Aerosol Research, Cincinnati, OH, June 22-26, 1998.
 271. The Application of the Multilinear Receptor Modeling to Identification of Sources of Atmospheric Aerosol over Alaska, presented to 17th Annual Meeting of the American Association for Aerosol Research, Cincinnati, OH, June 22-26, 1998.
 272. Surface Topology of Ion-Induced Nucleation Rates of Single Systems, M.P. Anisimov, P.K. Hopke, D.H. Rasmussen, S.D. Shandakov, and V.A. Pinaev, presented to 17th Annual Meeting of the American Association for Aerosol Research, Cincinnati, OH, June 22-26, 1998.
 273. Surface Topology of Ion-Induced Nucleation Rates of Binary Systems, M.P. Anisimov, P.K. Hopke, D.H. Rasmussen, S.D. Shandakov, and V.A. Pinaev, presented to 17th Annual Meeting of the American Association for Aerosol Research, Cincinnati, OH, June 22-26, 1998.
 274. Source Apportionment of Soil Samples by the Combination of Two Neural Networks Based on Computer-Controlled Scanning Electron Microscopy, X.-H. Song, P.K. Hopke, L.L. Ashbaugh, G.S. Casuccio, and S. Schlaegle, presented to 17th Annual Meeting of the American Association for Aerosol Research, Cincinnati, OH, June 22-26, 1998.
 275. Multiway Analysis of Airborne Particle Composition Data, P.K. Hopke, Y. Xie, P. Paatero, L.A. Barrie, and S.-M. Li, presented to the International Aerosol Conference, Edinburgh, Scotland, September 14-18, 1998.
 276. Semiempirical Ion-induced Vapor Nucleation Rates, M.P. Anisimov, P.K. Hopke, J. Terry, D.H. Rasmussen, S.D. Shandakov, and V.A. Pinaev, presented to the International Aerosol Conference, Edinburgh, Scotland, September 14-18, 1998.
 277. Three-Way Methods Applied to Multivariate Image Data, P.K. Hopke, Y.-L. Xie, P. Paatero, J.-H. Wang, T. Hanciewicz, presented to the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) Conference, Austin, TX, October 11-15, 1998.
 278. Some Aspect of Quality Assurance and Quality Control in Neutron Activation Analysis of Airborne Particles, S. Landsberger and P.K. Hopke, presented to American Nuclear Society 1998 Winter Meeting, Washington, DC, November 15-19, 1998.
 279. An Evaluation of Atmospheric Sources of Trace Elements in Canadian Rural Sites, S. Landsberger, S. Biegalski, and P.K. Hopke, presented to the International Conference on Nuclear Analytical methods in the Life Sciences, Beijing, China October 26-30, 1998.
 280. Multiple Imputation for Multivariate Time Series of the Chemical Concentrations of Air Pollution in the Arctic, P.K. Hopke, C. Liu, and D.B. Rubin, presented to the Third Colloquium on PM and Health, Durham, NC, June 6-8, 1999.
 281. Experimental Check of Kelvin Equations by Studying Nucleation Kinetics in Supersaturated Vapors, V. Zdimal and P. K. Hopke, presented to NERM'99, Potsdam, June, 1999.
 282. Measurements and Comparisons of DBP Vapor Generated in the Turbulent Mixing CNC with Several Conditions, D.-W. Lee, P. K. Hopke, H.-C. Wang and R. Maliev, presented to NERM'99, Potsdam, June, 1999.
 283. A Transition From Heterogeneous to Homogeneous Nucleation in The Turbulent Mixing

- CNC, R. Mavliev, H.-C. Wang, P.K. Hopke, and Doh-Won Lee, presented to NERM'99, Potsdam, June, 1999.
284. Bimodal Aerosol Size Distribution Resulting from Two Nucleation Rate Surfaces, L. Anisimova, P.K. Hopke, J. Terry, S. D. Shandakov, and I.I. Shvets, presented to NERM'99, Potsdam, June, 1999.
 285. N-Pentanol - Helium Homogeneous Nucleation Rates at Atmospheric Pressure, M.P. Anisimov, S.D. Shandakov, I.I. Shvets, V.A.Pinaev, and P.K. Hopke, presented to NERM'99, Potsdam, June, 1999.
 286. Multiple Imputation for Multivariate Time Series of the Chemical Concentrations of Air Pollution in the Arctic, P.K. Hopke, C. Liu, and D.B. Rubin, presented to the Sixth Scandinavian Chemometrics Conference, Porsgrunn, Norway, August 16-19, 1999.
 287. Analysis of Multivariate Microscopic Images Using Positive Matrix Factorization, P.K. Hopke, Ji-Hong Wang, P. Paatero, T.M. Hancewicz, presented to the Sixth Scandinavian Chemometrics Conference, Porsgrunn, Norway, August 16-19, 1999.
 288. Resolution of Multicomponent Peaks by OPA, PMF and ALS, A. Garrido Frenich, D.L. Massart, Ji-Hong Wang and P.K. Hopke, presented to the Sixth Scandinavian Chemometrics Conference, Porsgrunn, Norway, August 16-19, 1999.
 289. A Transition From Heterogeneous to Homogeneous Nucleation in The Turbulent Mixing CNC, R. Mavliev, H.-C. Wang, P.K. Hopke, and Doh-Won Lee, presented to the European Aerosol Conference, Prague, September 1999.
 290. Multiple Site Receptor Modeling with a Minimal Spanning Tree Combined with a Kohonon Neural Network, P. K. Hopke, presented to Pattern Recognition, Chemometrics, and Imaging for Environmental Monitoring, Boston, MA, September 20-22, 1999.
 291. Multiway Analysis of Airborne Particle Composition Data, P. K. Hopke, Y. Xie, and P. Paatero, presented to Pattern Recognition, Chemometrics, and Imaging for Environmental Monitoring, Boston, MA, September 20-22, 1999.
 292. Source Areas for Atmospheric Aerosol Measured at Barrow, Alaska, A. Polissar, P.K. Hopke, Y.J. Kaufman, D.K. Hall, J.M. Harris, Presented to the 18th Annual Meeting of the American Association for Aerosol Science, Tacoma, WA, October 11-15, 1999.
 293. A Transition From Heterogeneous to Homogeneous Nucleation in the Turbulent Mixing CNC, R. Mavliev, H.-C. Wang, P.K. Hopke, Doh-Won Lee, Presented to the 18th Annual Meeting of the American Association for Aerosol Science, Tacoma, WA, October 11-15, 1999.
 294. Multiple Imputation for Multivariate Time Series of the Chemical Concentrations of Air Pollution in the Arctic, P.K. Hopke, C. Liu, D.B. Rubin, Presented to the 18th Annual Meeting of the American Association for Aerosol Science, Tacoma, WA, October 11-15, 1999.
 295. The Application of Positive Matrix Factorization to Particulate Mass Apportionment, P. K. Hopke, X.-H. Song, Z. Ramadan, and P. Paatero, presented to PM2000, Charleston, SC, January 25-28, 2000.
 296. Dynamic State Phase Diagrams for Nucleated Systems, M.P. Anisimov, S.D. Shandakov, V.A. Pinaev, I.I.Shvets, and P.K. Hopke, presented to the 15th International Conference on Nucleation and Atmospheric Aerosols, Rolla, MO, August 6-11, 2000.

297. Use of a Turbulent Mixing CNC to Study the Influence of Composition and Vapor Properties on Heterogeneous Nucleation, P.K. Hopke, D.W.Lee, Rashid Mavliev, and Hwa-Chi Wang, presented to the 15th International Conference on Nucleation and Atmospheric Aerosols, Rolla, MO, August 6-11, 2000.
298. Improvement of the Homogeneous Nucleation Rate Measurements in a Static Diffusion Chamber with Use of a CCD Camera, V. Zdímal, J. Smolík, P.K. Hopke, and J. Matas, presented to the 15th International Conference on Nucleation and Atmospheric Aerosols, Rolla, MO, August 6-11, 2000.
299. Multiple Imputation for Multivariate Time Series of the Chemical Concentrations of Air Pollution in the Arctic. P.K. Hopke, C. Liu, and D. Rubin, presented to the 2000 Joint Statistical Meeting, Indianapolis, IN, August 14-18, 2000.
300. Comparison of the Analyses of a Synthetic Data Set by Positive Matrix Factorization and UNMIX, X.H. Song, Z. Ramadan, P.K. Hopke, and R. Henry, presented to the Air & Waste Management Association/EPA meeting on Measurement of Toxic Air Pollutants, Research Triangle Park, NC, September 2000.
301. Multilinear Receptor Analysis Utilizing Wind Direction and Wind Speed as Independent Variables, P. Paatero and P.K. Hopke, presented to the Air & Waste Management Association/EPA meeting on Measurement of Toxic Air Pollutants, Research Triangle Park, NC, September 18-20, 2000.
302. The Potential Influence of Data Artifacts on Receptor Model Results, R. Poirot, and P.K. Hopke, presented to the Air & Waste Management Association/EPA meeting on Measurement of Toxic Air Pollutants, Research Triangle Park, NC, September 18-20, 2000.
303. Comparison of Source Apportionment of Phoenix Fine Particle Mass by PMF and UNMIX, P.K. Hopke, Z. Ramadan, X.-H. Song, and R. Henry, presented to the Air & Waste Management Association/EPA meeting on Measurement of Toxic Air Pollutants, Research Triangle Park, NC, September 18-20, 2000.
304. Dynamics of Grown Particle Size Distribution During the Transition from Heterogeneous to Homogeneous Nucleation in the Turbulent Mixing CNC, R. Mavliev, H.-C. Wang, P.K. Hopke and Doh-Won Lee, presented to the Air & Waste Management Association/EPA meeting on Measurement of Toxic Air Pollutants, Research Triangle Park, NC, September 18-20, 2000.
305. Sources of Fine Particle Concentration and Composition in Northern Vermont, R. Poirot, P. Wishinski, A.V. Polissar, P.K. Hopke, presented to the Air & Waste Management Association/EPA meeting on Measurement of Toxic Air Pollutants, Research Triangle Park, NC, September 18-20, 2000.
306. P.K. Control of Rotations in Positive Matrix Factorization, P.K. Hopke, X.H. Song, Z. Ramadan, and Penti Paatero, presented at the 4th International Conference on Environmetrics and Chemometrics. Las Vegas, NV, September 18-20, 2000.
307. The Analysis of Aerosol Mass Spectrometry Data, P.K. Hopke, X.H. Song, and Z. Ramadan, presented at the 4th International Conference on Environmetrics and Chemometrics. Las Vegas, NV, September 18-20, 2000.
308. Utilizing Wind Direction and Wind Speed as Independent Variables in Multilinear Receptor Modeling Studies, P. Paatero and P.K. Hopke, presented at the 4th International Conference on Environmetrics and Chemometrics. Las Vegas, NV, September 18-20,

- 2000.
309. Variable Selection in Classification of Environmental Soil Samples for PLS and Neural Networks Models, Z. Ramadan, X-H. Song, Philip K. Hopke, M. Johnson and K. Scow, presented to Chemometrics in Analytical Chemistry, Antwerp, Belgium, October 16-20, 2000.
 310. Source Apportionment of Gasoline and Diesel by Multivariate Calibration Based on Single Particle Mass Spectra Data, X-H. Song and P.K. Hopke, D.T. Suess, D.P. Fergenson, and K.A. Prather, presented to Chemometrics in Analytical Chemistry, Antwerp, Belgium, October 16-20, 2000.
 311. Equation-Oriented System (EOS): An Efficient Approach to Solve Polynomial Equations, J-H. Wang and P.K. Hopke, presented to Chemometrics in Analytical Chemistry, Antwerp, Belgium, October 16-20, 2000.
 312. Application of Receptor Modeling to Evaluate the Impacts of New York State Power Plants on Air Quality, W. Liu, P K. Hopke, T.M. Holsen, Y. Han, and M. Milligan, presented at The American Association for Aerosol Research Annual Conference, St. Louis, MO, November 5-10, 2000.
 313. Atmospheric Aerosol in Vermont: Elemental Composition and Sources, A. Polissar, P.K. Hopke, and R. Poirot, presented at The American Association for Aerosol Research Annual Conference. St. Louis, MO, November 5-10, 2000.
 314. Identification of Sources of Atmospheric Aerosol Measured in Washington D.C. by Positive Matrix Factorization, X.-H. Song and P.K. Hopke, presented at The American Association for Aerosol Research Annual Conference. St. Louis, MO, November 5-10, 2000.
 315. Identification of Sources of Phoenix Aerosol by Positive Matrix Factorization, Z. Ramadan, X.-H. Song, and P.K. Hopke, presented at The American Association for Aerosol Research Annual Conference. St. Louis, MO, November 5-10, 2000.
 316. Dynamics of Grown Particle Size Distribution During the Transition from Heterogeneous to Homogeneous Nucleation in the Turbulent Mixing CNC, R. Mavliev, H.-C. Wang, P.K. Hopke, D.-W. Lee, presented at The American Association for Aerosol Research Annual Conference. St. Louis, MO, November 5-10, 2000.
 317. Comparative Analysis of the Critical Embryo Surface for Multiatomic Alcohols: I. One Molecule Limit, M.P. Anisimov, I.N. Shaimordanov, S.D. Shandakov, P.K. Hopke, presented at The American Association for Aerosol Research Annual Conference. St. Louis, MO, November 5-10, 2000.
 318. A Receptor/Multilinear Engine for Spatial Pattern Analysis of the Mohave Coal-Fired Power Plant Emissions, W. Chueinta and P.K. Hopke, presented at The American Association for Aerosol Research Annual Conference. St. Louis, MO, November 5-10, 2000.
 319. Stepping Back in Time: Neutron Activation Analysis of Finnish Filters Collected between 1964 and 1978, P.K. Hopke, S. Landsberger, Y. Visanen, J. Paatero, T. Yli-Tuomi, presented to the 221st National Meeting of the American Chemical Society, San Diego, CA, April 1-6, 2001.
 320. Locating and Quantifying Atmospheric Sources of PCBs in Chicago, Y.-K. Hsu, P. K. Hopke and T.M. Holsen, presented to 44th Annual Conference of the International

- Association for Great Lakes Research, Green Bay, WI, June 10-14, 2001.
321. A Modified Alternating Least-squares (MALs) Algorithm: Draining the Swamps in Multiway Analysis, J.-H. Wang, P.K. Hopke, and T.M. Hancewicz, presented to the Seventh Scandinavian Chemometrics Conference, Copenhagen, Denmark, August 20-23, 2001.
 322. Application of PLS and Back Propagation Neural Networks for the Determination of Soil Samples Properties, Z. Ramadan, P. K. Hopke, M. Johnson and K. Scow, presented to the Seventh Scandinavian Chemometrics Conference, Copenhagen, Denmark, August 20-23, 2001.
 323. Critical Embryo Sizes at the Conditions of Spinodal Decompositions, M.P. Anisimov, I.N. Shaymordanov, P.K. Hopke, presented to the European Aerosol Conference, Leipzig, Germany, September 3-7, 2001.
 324. Further Investigations of the "Geo-aerosol" Phenomenon, R.F. Holub, J. Hovorka, G.M. REIMER, B.D. Honeyman, P.K. Hopke, and P.K. Smrz, presented to the European Aerosol Conference, Leipzig, Germany, September 3-7, 2001.
 325. Testing and Comparing Positive Matrix Factorization (PMF) and Multilinear Engine (ME-2) Programs in Source Apportionment of Particulate Pollutants, Z. Ramadan, B. Eickhout, X.-H. Song, M.C. Buydens, Philip K. Hopke, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 326. Bimodal Size Distribution of Vapor Nucleated Aerosol, L. Anisimova, P.K. Hopke, J. Terry, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 327. Carrier Gas Effects on Vapor Nucleation Rates, M.P. Anisimov, P.K. Hopke, I. Shaimordanov, Y. Polygalov, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 328. Estimation of Binary Intermolecular Interaction for Water/Alcohol Systems, M.P. Anisimov, P.K. Hopke, S.D. Shandakov, P. Seraphimov, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 329. Numerical 2-D Solution of the Flow Diffusion Chamber, M.P. Anisimov, P.K. Hopke, S.D. Shandakov, V.A. Pinaev, A.S. Berezina, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 330. Application of PMF and PSCF to Trace the Source of PM_{2.5} Particles, Hg and PAH in New York State, W. Liu, P.K. Hopke, T.M. Holsen, Y.-J. Han, M. Milligan, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 331. A Semi-Empirical Approach to Explain Heterogeneous Nucleation Between Different Nuclei and Working Fluids, D.-W. Lee, P.K. Hopke, H.-C. Wang, R. Mavliev, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 332. Source Identification of Vapor Phase Mercury in New York State, Y.-J. Han, T.M. Holsen, P.K. Hopke, W. Liu, M. Milligan, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 333. Source Identification by a Multilinear Receptor Model Using Highly Time Resolved Chemical Composition and Wind Data, X.-H. Song, P.K. Hopke, P. Paatero, J.M. Ondov, C.B. Kidwell, presented to the 2001 meeting of the American Association for Aerosol

- Research, Portland, OR, October 15-19, 2001.
334. A Comparison of the PM_{2.5} Data Measured by Different Continuous Mass Monitors in Multiple Cities in the USA, A. Polissar, P.K. Hopke, W.E. Wilson, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 335. Changes in the Concentration and Composition of Anthropogenic and Biogenic Aerosols in the Finnish Arctic, T.P. Yli-Tuomi, L. Venditte, P.K. Hopke, M.S. Basunia, S. Landsberger, Y. Viisanen, J. Paatero, P. Paatero, presented to the 2001 meeting of the American Association for Aerosol Research, Portland, OR, October 15-19, 2001.
 336. Application of Receptor Modeling to Trace the Sources of PM_{2.5} Particles, Hg₀ and PAHs in New York State, W. Liu, P.K. Hopke, T. M. Holsen, Y.-J. Han, S. Cybart and M. Milligan, presented to PM_{2.5} and Electric Power Generation: Recent Findings and Implications, Pittsburgh, April 9-10, 2002.
 337. Application of Modified Alternating Least-Squares (MALs) Regression to Spectroscopic Image Analysis, T. M. Hancewicz, S.L. Zhang, P.K. Hopke, and J.-H. Wang, presented to the 224th ACS National Meeting, Boston, MA, August 18-22, 2002.
 338. N-Pentanol - Sulfur Hexafluoride Multichannel Nucleation, M. P. Anisimov, L. Timoshina and P.K. Hopke, presented to the 6th International Aerosol Conference, Taipei, Taiwan, September 8-13, 2002.
 339. Nucleation Rate Surface Topologies over Phase Diagrams with Eutectic and Peritectic Points, M.P. Anisimov P.K. Hopke, and Z.N. Esina, presented to the 6th International Aerosol Conference, Taipei, Taiwan, September 8-13, 2002.
 340. Application of Receptor Modeling to Trace the Sources of PM_{2.5}, Hg₀ and PAHs in New York State Air, W. Liu, P.K. Hopke, T.M. Holsen, Y.-J. Han, S. Cybart, K. Kozlowski and M. Milligan, presented to the 6th International Aerosol Conference, Taipei, Taiwan, September 8-13, 2002.
 341. Stepping Back in Time: Analysis of Arctic Aerosols Collected from Northern Finland Between 1964 and 1978, T. Yli-Tuomi, L. Venditte, P.K. Hopke, M. S. Basunia, S. Landsberger, Y. Viisanen, J. Paatero, and P. Paatero, presented to the 6th International Aerosol Conference, Taipei, Taiwan, September 8-13, 2002.
 342. Some Essential Requirements for Nucleation Experiments, M.P. Anisimov and P.K. Hopke, presented to the 6th International Aerosol Conference, Taipei, Taiwan, September 8-13, 2002.
 343. Measurement of Ultrafine Particle Size Distributions from Stationary Combustion Sources of Natural Gas, Oil and Coal, M.C. Chang, S.M. Yi, P. Hopke, and G. England, presented to the 6th International Aerosol Conference, Taipei, Taiwan, September 8-13, 2002.
 344. Data Mining of the Relationship between Volatile Organic Components and Transient High Ozone Formation, F. Gan and P.K. Hopke, presented to the Eighth Symposium on Chemometrics in Analytical Chemistry, Seattle, WA, September 22-26, 2002.
 345. Application of Modified Alternating Least-Squares (MALs) Regression to Spectroscopic Image Analysis, T.M. Hancewicz, S.L. Zhang, J-H. Wang, P.K. Hopke, presented to the Eighth Symposium on Chemometrics in Analytical Chemistry, Seattle, WA, September 22-26, 2002.

346. Discarding or Downweighting High-Noise Variables in Factor Analytic Models, P.K. Hopke and P. Paatero, presented to the Eighth Symposium on Chemometrics in Analytical Chemistry, Seattle, WA, September 22-26, 2002.
347. Utilizing Hourly Gaseous Measurement as an Independent Variable in Multilinear Receptor Model Studies, P.K. Hopke, E. Kim, P. Paatero, J. Jansen, and E. Edgerton, presented to the Eighth Symposium on Chemometrics in Analytical Chemistry, Seattle, WA, September 22-26, 2002.
348. Variations of Ultrafine Particles and Gaseous Pollutants in Rochester, NY., C.-H. Jeong, P.K Hopke, M. Utell, D. Chalupa, D. Felton, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
349. Summertime Concentrations and Sources of Particulate Components, Hg⁰, and Speciated Polycyclic Aromatic Hydrocarbons at Rural Sites in New York State., W. Liu, P.K. Hopke, T.M. Holsen, Y.-J. Han, S. Cybart, M. Milligan, and K. Kozlowski, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
350. A Semi-empirical Approach Using Chemical Interactions to Explain Heterogeneous Nucleation of Combustion Carbon Particles with Different Working Fluids., D.-W. Lee, P.K. Hopke, H.-C. Wang, R. Mavliev, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
351. Discarding or Downweighting High-Noise Variables in Factor Analytic Models., P. K. Hopke, P. Paatero, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
352. Analysis of Arctic Aerosols Collected from Northern Finland Between 1964 and 1978, T. Yli-Tuomi, L. Venditte, P.K. Hopke, M. S. Basunia, S. Landsberger, Y. Viisanen, J. Paatero, and P. Paatero, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
353. Computer Modelling of Water Nucleation Rate Surfaces., L. Anisimova, P.K. Hopke, D.H. Rasmussen, and V.M. Pavskiy, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
354. Intercomparisons of PM_{2.5} Continuous Mass Measurement Instruments Based on Field Studies in Several Cities in the United State, D.-W. Lee, P.K Hopke, and A. Polissar, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
355. Intercomparisons of Measurements of Chemical Species and Mass Between Continuous Methods and Conventional Sampling/Analysis Systems, P.K. Hopke, W. Zhao, J. Ondov, D. Harrison, P. Pancras, and S. Gazula, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
356. Intercomparison of Continuous Mass Monitors at the Supersite in Rubidoux, California, P.K. Hopke, D.-W. Lee, P. Jacques, J. Ambs, C. Sioutas, and S. Hering, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
357. Pressure Effect for the Octanol-Helium Nucleation Rate, M.P. Anisimov, P.K. Hopke, I.N. Shaimordanov, Y.N. Zacharov, and A.S. Vasilyev, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.

358. Measurement of Ultrafine Particle Size Distributions from Stationary Combustion Sources of Natural Gas, Oil and Coal, M. Chang, S.-M. Yi, P.K. Hopke, and G.C. England, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
359. Analysis of the Particle Size Distribution Data Collected During Pittsburgh Air Quality Study, L. Zhou, E. Kim, and P.K. Hopke, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
360. Distribution of Source Contributions Across an Urban Area, P.K. Hopke, P. Tiitta, J. Pinto, and W.E. Wilson, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
361. Utilizing Hourly Gaseous Measurement as an Independent Variable in Multilinear Model Studies, P.K. Hopke, E. Kim, P. Paatero, J.J. Jansen, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
362. PM_{2.5} Measurements by Different Continuous Instruments in Atlanta, D.-W. Lee, and P.K. Hopke, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
363. Source Identification of Vapor Phase Mercury in New York State, Y.-H. Han, T.M. Holsen, S.-M. Yi, P.K. Hopke, W. Liu, M. Milligan, and S. Cybert, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
364. Deposition and Ambient Concentrations of PBTs (Hg, PCBs, DDE, Mirex, HCB and Dioxin/Furans) in the Lake Ontario Region, S.M. Yi, Y.-J. Han, T.M. Holsen, P.K. Hopke, J.J. Pagano, L. Falanga, and M.S. Milligan, Presented to 21st Annual Conference of the American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.
365. Advanced Factor Analysis of Spatial Distributions of PM_{2.5} in the Eastern United States, P.K. Hopke, P. Paatero, S. Eberly, and W. Cox, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
366. Influence of Canadian Forest Fire on Measurements of Carbonaceous Compounds in Fine Particulate Matter During the 2002 Philadelphia Summer Intensive Particulate Matter Program, C.-H. Jeong, D.-W. Lee, E. Kim, and P.K. Hopke, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
367. The Baltimore Supersite Project: Highly Time and Size Resolved Concentrations of Urban PM_{2.5} and its Constituents for Resolution of Sources and Immune Responses, J.M. Ondov, T.J. Buckley, P.K. Hopke, M.V. Johnston, M.B. Parlange, W.F. Rogge, K.S. Squibb, A.S. Wexler, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
368. Frequency Distributions and Spatial Analysis of Fine Particle Measurements in St. Louis During the Regional Air Pollution Study /Regional Air Monitoring System, E. Kim, P.K. Hopke, J.P. Pinto, and W.E. Wilson, P.K. presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM

- and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
369. Source Identification of Aerosol Measured at Multiple Sites Across St. Louis, P.K. Hopke, E. Kim, P. Tiitta, J.P Pinto, W. E Wilson, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 370. The Comparison Between Thermal Optical Transmittance Elemental Carbon and Aethalometer Black Carbon Measured at Multiple Monitoring Sites, E. Kim, C.-H. Jeong, D.-W. Lee, and P.K. Hopke, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 371. Measurement of Real-Time PM_{2.5} Mass and Fine Chemical Compositions at Northwest Philadelphia, D.-W. Lee, C.-H. Jeong, E. Kim, and P.K. Hopke, P.K. presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 372. Characterization of Chemical Compositions in Fine Particulate Matter During the Rochester Particulate Matter Study, C.-H. Jeong, D.-W. Lee, E. Kim, P.K.. Hopke, R. Gelein, P.K. presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 373. On-Road Exposure to Highway Aerosols: 1. Particle Chemistry and Rat Exposure System, P.K.. Hopke, C.-H. Jeong, W. Liu, W. Zhao, L. Zhuo, D. Kittleson, W. Watts, R. Gelein, and G. Oberdoerster, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 374. On-Road Exposure to Highway Aerosols: 2. On-road Aerosol and Gas Measurements, D.B Kittelson, W.F Watts, J.P Johnson, G. Oberdorster, R. Gelein, and P.K Hopke, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 375. On-Road Exposure to Highway Aerosols. 3. Exposures of Aged and Compromised Rats, A. Elder, R. Gelein, J. Finkelstein, C. Johnston, R. Phipps, M. Frampton, M. Utell, D. Kittelson, W. Watts, P. Hopke, and G. Oberdörster, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 376. Effects of Gaseous Pollutants and Meteorological Parameters On Nucleation and Growth of Ultrafine Particles in Urban Ambient Air, C.-H. Jeong, P.K.. Hopke, D. Chalupa, and H.D. Felton, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 377. Separating Diesel and Spark-Ignition Vehicle Particles in the San Geronio National Monument, W. Zhao and P.K.. Hopke, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 378. Improving Source Identification of Atlanta Aerosol Using Thermal Optical Carbon

- Fractions in Positive Matrix Factorization, E. Kim, P.K. Hopke, P. Paatero, J.J. Jansen, and E.S. Edgerson, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
379. Source Apportionment Using Particle Size Distribution Data from the Pittsburgh Air Quality Study (PAQS), L. Zhou, E. Kim, P.K. Hopke, C. Stanier, and S. Pandis, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 380. Long-Term Measurement of Ultrafine Particle Number Concentration in Rochester, NY, C.-H. Jeong, P.K. Hopke, M. Utell, D. Chalupa, and H.D. Felton, presented to 2003 AAAR PM Meeting on Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, March 30 to April 4, 2003.
 381. Spinodal Vapor Supersaturation in the Absolute Zero Temperature Limit, M.P. Anisimov, L. Anisimova, D.H. Rasmussen, and P.K. Hopke, presented to the American Chemical Society 77th Colloid and Surface Science Symposium, Atlanta, GA, June 15-18, 2003.
 382. Semiempirical Nucleation Rate Surface for Water Vapor Nucleation from Critical to Absolute Zero Temperature Limits, M.P. Anisimov, G. Semin, D.H. Rasmussen, and P.K. Hopke, presented to the American Chemical Society 77th Colloid and Surface Science Symposium, Atlanta, GA, June 15-18, 2003.
 383. Locus of Nucleation Rates over Spinodal Conditions, M.P. Anisimov, L. Anisimova, G. Semin, D.H. Rasmussen, and P.K. Hopke, presented to the American Chemical Society 77th Colloid and Surface Science Symposium, Atlanta, GA, June 15-18, 2003.
 384. Advanced Factor Analysis of Spatial Distributions of PM_{2.5} in the Eastern United States, P. Paatero, P.K. Hopke, J. Hoppenstock, S.I. Eberly and W.M. Cox, presented to the Trilinear Models in Chemistry and Psychology (TRICAP) 2003, Lexington, KY, June 23-27, 2003.
 385. Transforming 3-way Factor Analytic Models So That the Computational Workload Is Reduced While Noise Level in Computed Factors Is Not Increased, P. Paatero and P.K. Hopke, presented to the Trilinear Models in Chemistry and Psychology (TRICAP) 2003, Lexington, KY, June 23-27, 2003.
 386. Source Identification of Volatile Organic Compounds in Houston, TX, Weixiang Zhao, Philip K. Hopke, and T. Karl, presented to the Trilinear Models in Chemistry and Psychology (TRICAP) 2003, Lexington, KY, June 23-27, 2003.
 387. Estimation of Prefactor for the Water Vapor Nucleation Rate, L. Anisimova, M.P. Anisimov, V. Akimov, and P.K. Hopke, presented to the 2003 European Aerosol Conference, Madrid, Spain, September 1-5, 2003.
 388. Source Identifications and Spatial Distributions of Aerosol Measured at Multiple Sites Across St. Louis, P.K. Hopke, E. Kim, P. Tiitta, J. Pinto, and W.E. Wilson, presented to the 2003 European Aerosol Conference, Madrid, Spain, September 1-5, 2003.
 389. Source Identification of Washington, DC Aerosol Using Temperature Resolved Carbon Fractions in Positive Matrix Factorization, E. Kim and P.K. Hopke, presented to the 2003

- European Aerosol Conference, Madrid, Spain, September 1-5, 2003.
390. Water Vapor Supersaturations at the Spinodal Conditions, L. Anisimova, M.P. Anisimov, V. Akimov, D. Rasmussen, and P.K. Hopke, presented to the 2003 European Aerosol Conference, Madrid, Spain, September 1-5, 2003.
391. An Improved Measurement Method and New Speciated PM_{2.5} Emission Factors for Stationary Combustion Sources. G.C. England, M.C. Chang, S. Wien, K. Stirling, B. Liebowitz, J. Watson, J. Chow, B. Zielinska, and P.K. Hopke, presented to NARSTO Workshop on Innovative Methods for Emission Inventories, Austin, TX, October 14-17, 2003.
392. Sources Identification of Airborne Fine Particles at Multiple Sites using Temperature Resolved Carbon Fractions, E. Kim and P.K. Hopke, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
393. Comparison of Positive Matrix Factorization and Multilinear Engine for the Source Apportionment of PM_{2.5} in Seattle, E. Kim, P.K. Hopke, T.V. Larson, J. Lewtas, and N.N. Maykut, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
394. Sources of PM_{2.5} in Washington, DC, E. Kim and P.K. Hopke, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
395. Comparison of three back trajectory based models--PSCF, SQTBA, residence-time weighted concentration model for identifying particle sources for Potsdam and Stockton, New York, L. Zhou, P.K. Hopke, and W. Liu, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
396. Advanced Factor Analysis for Aerosol Composition Data with Various Temporal Resolutions, L. Zhou, P.K. Hopke, and P. Paatero, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
397. Source Identification for the Ambient Aerosols at 3 IMPROVE Sites in Canada, W. Zhao and P.K. Hopke, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
398. Evaluation of Semi-continuous Organic/Elemental Carbon Aerosol by Comparison with Other Instrument Results and Meteorological Data in Rubidoux, California, P. Jaques, Doh-Won Lee, C. Sioutas, and R. Cary, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
399. Identification of Source Locations Using Hybrid Receptor Modeling: Vapor Phase Mercury, Y.J. Han, T.M. Holsen, S.O. Lai, K.W. Lee, P.K. Hopke, M. Milligan, S.M. Yi, and W. Liu, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
400. Deposition and Ambient Concentrations of PBTs (Hg, PCBs, DDE, MIREX, HCB and Dioxin/Furans) in the Lake Ontario Region, K.W. Lee, S.O. Lai, T.M. Holsen, and P.K. Hopke, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
401. Characteristics of Nucleation and Growth Events of Ultrafine Particles Measured in Rochester, NY: Effect of SO₂ and Wind Direction, C.-H. Jeong, P.K. Hopke, D. Chalupa, M. Utell, and H.D. Felton, presented to 21st Annual Conference of the

- American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
402. In-State/Out-State Sources of PM_{2.5} in New York State, S.O. Lai, W. Liu, Y.-J. Han, K.-W. Lee, Chris Antolina, T.M. Holsen, P.K. Hopke, M. Milligan, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
403. Preliminary Data on the N-Pentanol - Helium Nucleation Rates up to 120 Atmospheres, M. Anisimov and P.K. Hopke, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
404. Validation of the Potential Source Contribution Function using the July 2002 Quebec Fire Episode, B.A. Begum, E. Kim, C.-H. Jeong, D.-W. Lee, P.K. Hopke, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
405. Rotation Control in Factor Analytical Model, P. Paatero, P.K. Hopke, B.A. Begum, S.K. Biswas, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
406. Source Apportionment of SEARCH Atlanta Data Through a Multi-Linear Approach, B. Diefendorf, E. Kim and P.K. Hopke, presented to 21st Annual Conference of the American Association for Aerosol Research, Anaheim, CA, October 20-24, 2003.
407. Measurement of Fine Particulate Mass, Including the Semi-volatile Constituents, with a GRIMM Monitor, B. Grover, N.L. Eatough, P.K. Hopke and D.J. Eatough, presented to AWMA Symposium on Air Quality Measurement Methods and Technology-2004, Research Triangle Park, NC, April 19-22, 2004.
408. Lake Ontario Air Deposition Study (LOADS) - Seasonal Trends of Polychlorinated Biphenyls, DDE, HCB, and Mirex, J.J. Pagano, T.M. Holsen, P.K. Hopke, M.S. Milligan, S.M. Yi, and J.R. Chiarenzelli, presented to the 47th Annual Conference on Great Lakes Research, Waterloo, Ontario, Canada, May 24-28, 2004.
409. Improving Source Apportionment of Fine Particles in the Eastern U.S. Utilizing Temperature Resolved Carbon Fractions, E. Kim and P.K. Hopke, presented to the 97th Annual Conference of the Air and Waste Management Association, Indianapolis, IN, June 22-25, 2004.
410. Measurement of Total PM_{2.5} Mass (Nonvolatile plus Semi-Volatile) with the FDMS TEOM Monitor, B.D. Grover, M. Kleinman, N.L. Eatough, D.J. Eatough, P.K. Hopke, J. Chow, J. Watson, M.B. Meyer, J. Ambs, W.E. Wilson, presented to the 97th Annual Conference of the Air and Waste Management Association, Indianapolis, IN, June 22-25, 2004.
411. Measurement of PM_{2.5} Nonvolatile and Semi-Volatile Organic Material with the Sunset Laboratory Carbon Aerosol Monitor, B.D. Grover, M. Kleinman, N.L. Eatough, D.J. Eatough, R.A. Cary, P.K. Hopke, D.F. Smith, W.E. Wilson, presented to the 97th Annual Conference of the Air and Waste Management Association, Indianapolis, IN, June 22-25, 2004.
412. Experimental Proof of the Two-Channel Nucleation near the Triple Point, M. Anisimov and P. K. Hopke, presented to the 16th International Conference on Nucleation and Atmospheric Aerosols, Kyoto, Japan, July 26-30, 2004.
413. Heterogeneous Nucleation and Condensation Spectra of Aerosol Nanoparticles, V. Y.

- Smorodin and P. K. Hopke, presented to the 16th International Conference on Nucleation and Atmospheric Aerosols, Kyoto, Japan, July 26-30, 2004.
414. Some General Requirements for Vapor Nucleation Rate Measurements, M. P. Anisimov and P. K. Hopke, presented to the 16th International Conference on Nucleation and Atmospheric Aerosols, Kyoto, Japan, July 26-30, 2004.
415. Computer Algorithm for Nucleation Rate Surface Construction, M. P. Anisimov L. Anisimova, P. Turner, and P. K. Hopke, presented to the 16th International Conference on Nucleation and Atmospheric Aerosols, Kyoto, Japan, July 26-30, 2004
416. The Use of Time-Resolved Measurements for Distinguishing Gasoline Emissions from Diesel Emissions in Source Apportionment of Fine Particles, E. Kim and P.K. Hopke, presented to 16th Conference of the International Society for Environmental Epidemiology, New York, NY, August 1-4, 2004.
417. Experimental Proof of the Two-Channel Nucleation in the Triple Point Neighborhood, M. P. Anisimov, P. K. Hopke, presented to the 2004 European Aerosol Conference, Budapest, Hungary, September 6-10, 2004.
418. Desirable Conditions for Vapor Nucleation Rate Measurements, M. P. Anisimov, P. K. Hopke, presented to the 2004 European Aerosol Conference, Budapest, Hungary, September 6-10, 2004.
419. Anomalous Nucleation and Growth of 1 to 200 nm Aerosols and the Formation and Transport of "Geo-aerosols" R. F. Holub, P. K. Smrz, B. D. Honeyman, P. K. Hopke, G. M. Reimer, presented to the 2004 European Aerosol Conference, Budapest, Hungary, September 6-10, 2004.
420. Source Apportionment of Ambient Aerosols in Houston, TX Using Ann Based Receptor Model W. Zhao and P. K. Hopke, presented to the 2004 European Aerosol Conference, Budapest, Hungary, September 6-10, 2004.
421. Comparison Between Conditional Probability Function and Nonparametric Regression for the Source Direction of Fine Particles. E. Kim and P. K. Hopke, presented to the 2004 European Aerosol Conference, Budapest, Hungary, September 6-10, 2004.
422. Source Identification of the Secondary Sulfate Aerosols in the Eastern U.S. Utilizing Temperature Resolved Carbon Fractions, E. Kim and P.K. Hopke, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
423. Houston Ozone Precursor Study: Source Identification of Volatile Organic Compound in Houston Ship Channel Area, E. Kim, P.K. Hopke, S.G. Brown, H.R. Hafner, and P.T. Roberts, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
424. Houston Ozone Precursor Study: Spatial and Temporal Analyses and Reconciliation of Volatile Organic Compound Sources in the Houston Ship Channel Area, S.G Brown, H.R. Hafner, P.T. Roberts, E. Kim, P.K. Hopke, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
425. Investigation of the Relationship Between Chemical Composition and Size Distribution of Airborne Particles by Partial Least Square (PLS) and Positive Matrix Factorization (PMF), L. Zhou, P.K. Hopke, C.O. Stanier, S.N. Pandis, J.M. Ondov, J. P. Pancras, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.

426. Performance Evaluation of the New Wide-Range Particle Spectrometer, S. Dhaniyala, J. Rodrigue, and P.K. Hopke, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
427. Research of Glass Fiber Behavior in Fiber Length Classifier, P.K. Hopke, Z. Wang, P.A. Baron, G. Deye, Y.-S. Cheng, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
428. Source Identification of Ambient Aerosols Through ATOFMS Data, W. Zhao, P. K. Hopke, X. Qin, K.A. Prather, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
429. Aerosol Source Apportionment by Positive Matrix Factorization Based on Single Particle Mass Spectral Data, J.H. Lee, W. Zhao, P.K. Hopke, K.A. Prather, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
430. PM_{2.5} Source and Sources Contributions in New York City, Y. Qin, P. K. Hopke, and E. Kim, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
431. Source Identification and Spatial Distribution of Fine Particles Measured at the Speciation Trends Network Sites in New York and Vermont, US, E. Kim, P.K. Hopke, and Y. Qin, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
432. The Potential Source-Receptor Relationship of Hg Event-based Wet Deposition at Potsdam, NY, S.-O. Lai, T.M. Holsen, and P.K. Hopke, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
433. Airflow and Particle Transport in a Human Nose, P. Zamankhan, G. Ahmadi, P.K. Hopke, Y.S.Cheng, and P.A. Baron, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
434. Analysis of Water Soluble Short Chain Organic Acids in Ambient Particulate Matter, R.S. Raman and P.K Hopke, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
435. PM_{2.5} Technology Assessment and Characterization Study in New York PMTACS-NY: an Overview of the 2004 Winter Intensive In Queens, NY, K.L. Demerjian, J. Schwab, G. Lala, O. Hogrefe, Y. Li, S.Weimer, D. Orsini, F. Drewnick, K. Rhoads, D. Felton, G. Boynton, T. Lanni, B. Frank, L. Husain, X. Zhou, W. Brune, X. Ren, D. Worsnop, P.K. Hopke, P. Venkatachari, H. Patashnick, J. Ambs, J. Jimenez, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
436. Estimation of Organic Carbon Blank Values and Error Structures of the Speciation Trends Network Data, E. Kim, Y. Qin, P. K. Hopke, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
437. Measurements Performance of Continuous PM_{2.5} Mass Concentration: Effects of Aerosol Composition and Relative Humidity, J.H. Lee, P.K. Hopke, T.M. Holsen, and W.E. Wilson, presented to the 2004 Annual Meeting of the American Association for

- Aerosol Research, Atlanta, GA, October 4-8, 2004.
438. Predicting Bulk Ambient Aerosol Compositions from ATOFMS Data, W. Zhao, P.K. Hopke, X. Qin, and K.A. Prather, presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
 439. Receptor Modeling for Highly-Time (Hourly and 24-hourly) Resolved Species: The Baltimore Supersite. Ogulei, D., Hopke, P., Zhou, L., Paatero, P., Park, S. S., Ondov, J. M. presented to the 2004 Annual Meeting of the American Association for Aerosol Research, Atlanta, GA, October 4-8, 2004.
 440. Source Identification for Fine Particulates over Lye Brook, Vermont Using Source-Receptor Modeling Techniques, P. Panday, N. Gao, P.K. Hopke, E. Kim, and R. Poirot, presented to the 32nd Northeast Regional Meeting of the American Chemical Society, Rochester, NY, October 31 to November 3, 2004.
 441. Seasonal Correlations Between of NIOSH and IMPROVE Carbon Measurements, M.-S. Bae, J.J. Schauer, J.R. Turner, J.C. Chow, P.K. Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 442. Source Apportionment of Detroit Fine Particulate Matter Using Positive Matrix Factorization, A.E. Gildemeister and P.K. Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 443. Source Apportionment of Midwest PM_{2.5} Using Advanced Receptor Model, J.-H. Lee, P.K. Hopke, D.M. Kenski, and M. Koerber, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 444. Estimating Uncertainties in Factor Analytic Models, S. Eberly, P. Paatero, P.K. Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 445. Transport Dispersion and Deposition of One Minute Particle Size Distributions Between 5 and 560 Nanometers near a Major International Trade Bridge Connecting the U.S. and Canada: a Model Comparison with Experimental Results, P. Jaques, K. Nazridoust, G. Ahmadi, P.K Hopke, A. Ferro and T. McAuley. presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 446. Source Apportionment of Fine Particles in Potsdam and Stockton, NY, Utilizing the Composition of Water-soluble Short-Chain Organic Acids, R.S. Raman and P.K Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 447. An Ion Chromatographic Method for Analysis of Water-Soluble Short-Chain Organic Acids in Ambient Particulate Matter, R.S. Raman and P.K Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 448. Spatial and Temporal Variability of Particulate Matter in Two Neighborhoods near a Major International Trade Bridge at Buffalo, N.Y. and Fort Erie Canada, P. Jaques, K. Nazridoust, G. Ahmadi, P.K. Hopke, A. Ferro and T. McAuley., presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 449. Source Apportionment of Baltimore Aerosol from Combined Size Distribution and Chemical Composition Data, D. Ogulei, P.K. Hopke, L. Zhou, J. P. Pancras, N. Nair, J.M. Ondov, presented to the Particulate Matter Supersites Program & Related Studies

- Conference, Atlanta, GA, February 7-11, 2005.
450. Comparison Between Measured and Estimated Uncertainties for Source Apportionment of the Speciation Trends Network Data, E. Kim, P.K. Hopke, and S. Eberly, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 451. Source Identification of PM_{2.5} Measured at the Speciation Trends Network Sites in Northern New York Area, E. Kim, and P.K. Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 452. Identifying Sources of PM_{2.5} in Pittsburgh Using PMF and PSCF, N. Pekney, C. Davidson, L. Zhou and P.K. Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 453. Source Identification for Fine Aerosols in the Mammoth Cave National Park, W. Zhao, and P.K. Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 454. Investigation of Sources for Ambient Aerosols in Indianapolis, IN, W. Zhao, and P.K. Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 455. Highlights and Lessons Learned: PM_{2.5} Technology Assessment and Characterization Study in New York. PMTACS-NY Supersite Program, K.L. Demerjian, J. Schwab, G. Lala, O. Hogrefe, Y. Li, S. Weimer D. Felton, G. Boynton, T. Lanni, B. Frank F. Drewnick, D. Orsini, K. Rhoads, L. Husain, X. Zhou, V. Dutkiewicz, W. Brune, X. Ren, R. Leshner, D. Worsnop, C. Kolb, M. Zahniser, J.T. Jayne, P.K. Hopke, P. Venkatachari, H. Patashnick, J. Ambs, J. Jimenez, and Z.Qi, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 456. Penetration of the Ambient Ultrafine Aerosol into a Cardiac Rehabilitation Facility in Rochester, NY, D. Ogulei, P.K. Hopke, D. Chalupa, and M. Utell, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 457. Identification of Gasoline and Diesel Emissions in the PM_{2.5} of a Midwestern U.S. Area, E. Kim and P.K. Hopke, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 458. Influence of Atmospheric Stability on Particle Number Concentration in Toronto, Canada and Rochester, USA., C.-H. Jeong, G. Evans, M. Fila, P.K. Hopke, D. Chalupa, M. Utell, H.D. Felton, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 459. Characterization of Reactive Oxygen Species Trends in Flushing, New York, P. Venkatachari, P.K. Hopke, W.H. Brune, X. Ren, R. Leshner, and J. Mao, M. Mitchell, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 460. Generation of Charged Aerosols by High-voltage Electric Power Lines, P.A. Valberg, P.K. Hopke, and S.-M. Yi, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
 461. Measurement of Fine Particulate Matter (Nonvolatile and Semivolatile Fractions) in Fresno, CA, B.D. Grover, N.L. Eatough, D.J. Eatough. J.L. Ambs, M.B. Meyer, P.K.

- Hopke, R. Al-Horr, D.W. Later, J. Chow, J. Watson, and W.E. Wilson, presented to the Particulate Matter Supersites Program & Related Studies Conference, Atlanta, GA, February 7-11, 2005.
462. Identification of Gasoline and Diesel Emissions in the PM_{2.5} Measured at the Speciation Trends Network Sites in the Northeastern U.S., E. Kim and P.K. Hopke, presented to 2005 European Aerosol Conference, Ghent, Belgium, August 28 to September 2, 2005.
463. Source apportionment of fine and coarse particulate matter and daily mortality in two US cities - A comparison of different methods, M. Stolzel, F. Laden, D.W. Dockery, J. Schwartz, E. Kim, P.K. Hopke, L.M. Neas, presented to The Seventeenth Conference of the International Society for Environmental Epidemiology, Johannesburg, South Africa, September 13-16, 2005.
464. Results and implications of the workshop on the source apportionment of PM health effects, G. Thurston, K. Ito, T. Mar, W.F. Christensen, D.J. Eatough, RC Henry, E. Kim, F. Laden, R. Lall, TV Larson, H. Liu, L. Neas, J. Pinto, M. Stolzel, H. Suh, PK Hopke, presented to The Seventeenth Conference of the International Society for Environmental Epidemiology, Johannesburg, South Africa, September 13-16, 2005.
465. Investigation of Glass Fiber Deposition onto Inner Walls of Straight Brass Tube. Z. Wang, P.K. Hopke, G. Ahmadi, P.A. Baron, G. Deye, Y.-S. Cheng, W.-C. Su, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
466. Analysis of Indoor Particle Size Distributions from an Occupied Townhouse Using Positive Matrix Factorization. D. Ogulei, P.K. Hopke, L. Wallace, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
467. Fibrous Particle Deposition on Human Nasal Passage. Z. Wang, P.K. Hopke, G. Ahmadi, P.A. Baron, G. Deye, Y.-S. Cheng, W.-C. Su, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
468. Spatial and Temporal Variability of Black Carbon in New York City in Winter 2004. P. Venkatachari, L. Zhou, P.K. Hopke, H.D. Felton, O.V. Rattigan, J.J. Schwab, K.L. Demerjian, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
469. Identification of the Toxicological Effects of Reactive Oxidative Species. P. Venkatachari, N. Dutta, P. Rao, P.K. Hopke, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
470. The Comparison Between IMPROVE and STN Source Identification at Seattle. E. Kim, P.K. Hopke, T. Larson, J. Lewtas, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
471. Combined Receptor Model for Ambient and Personal Exposure Samples. W. Zhao, P.K. Hopke, G. Norris, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
472. Characterization of Fine Aerosols in the South Coast Air Basin. A.E. Gildemeister, P.K. Hopke, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
473. Source Apportionment of the Ambient Aerosol in Zürich, Switzerland. R. Sunder Raman, P.K. Hopke, E. Kim, N. Bukowiecki, F. Hegedus, E. Weingartner, U. Baltensperger, M.

- Hill, R. Gehrig, P. Linemann, G. Falkenberg, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
474. Elemental Analysis of Air Particulate Matter and Application to Source Fingerprinting. B.A. Begum, S. K. Biswas, P.K. Hopke, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
475. Numerical Simulation of Transport and Dispersion of Vehicular Particulate Emissions near a Major International Bridge Compared With Experimental Results. C. Liu, G. Ahmadi, K. Nazridoust, A.R. Ferro, T.R. McAuley, P.K. Hopke, P.A. Jaques, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
476. Topology of the Nucleation Rate Surfaces for Laser Ablation of Crystals. M.P. Anisimov, A.M. Baklanov, V.S. Akimov, P.K. Hopke, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
477. An Intercomparison of Measurement Methods for Carbonaceous Aerosol in the Ambient Air in New York City. P. Venkatachari, L. Zhou, P.K. Hopke, J.J. Schwab, K.L. Demerjian, O. Hogrefe, H.D. Felton, O.V. Rattigan, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
478. Impacts of Ship Diesel Emissions to Airborne PM_{2.5} in the San Diego Area. J.H. Lee, P.K. Hopke, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
479. Secondary Sulfate PM_{2.5} in the Great Smoky Mountains Area. E. Kim, P.K. Hopke, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
480. Estimation of Source Apportionment of PM_{2.5} Using the PMF Model in San Francisco Bay Area. I. Hwang, J.H. Lee, P.K. Hopke, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
481. An Integrated Synthesis of Key and Policy Relevant Findings from EPA's PM Supersites Program and Related Studies. P.A. Solomon, P.K. Hopke, J.R. Froines, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
482. Identification of Sources to Airborne PM_{2.5} at the St. Louis Midwest Supersite. J.H. Lee, P.K. Hopke, J. Turner, J. Schauer, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
483. Computer Simulation of Particle Deposition in Human Tracheobronchial Tree with 3-D Asymmetric Bifurcation Model. L. Tian, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
484. 3D Analysis of Flow and Nano-size Particle Transport and Deposition in a Human Nasal Cavity. P. Zamankhan, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
485. Source Comparisons of PM_{2.5} Measured at the Speciation Trends Network Sites Across US. E. Kim, P.K. Hopke, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.

486. Deposition of Fibers in the Human Nasal Airway, W.C. Su, Y.S. Cheng, P.K. Hopke, and G. Ahmadi, presented to 2005 Annual Meeting of the American Association for Aerosol Research, Austin, TX, October 17-21, 2005.
487. Estimating and minimizing uncertainty in factor analytic results, both in 2-way and in 3-way models, P. Paatero, S.I. Eberly, P.K. Hopke, presented to ThRee-way methods In Chemistry And Psychology (TRICAP2006), June 4-9, 2006.
488. Suggestions for optimized planning of multivariate monitoring of atmospheric pollution, P. Paatero, S.I. Eberly, P.K. Hopke, presented to the 2006 Summit on Environmental Modelling and Software, Burlington, VT, July 9-13, 2006.
489. The US EPA Implementation of Positive Matrix Factorization and a New Approach to Uncertainty Estimation, P.K. Hopke, P. Paatero, S.I. Eberly, presented to the 2006 Summit on Environmental Modelling and Software, Burlington, VT, July 9-13, 2006.
490. Comparative analysis of PMF and PCA-MLRA results for PM_{2.5} at an industrial site in Northern Spain, M. Viana, J. Zabalza, X. Querol, J.M. Santamaria, J.I. Gil, M. Menendez, P.K. Hopke, presented to the 2006 Summit on Environmental Modelling and Software, Burlington, VT, July 9-13, 2006.
491. Estimation of Mercury Loadings to Lake Ontario:Results from the Lake Ontario Atmospheric Deposition Study (LOADS), S.-O. Lai, T.M. Holsen, Y.-J. Han, P.K. Hopke, S.-M. Yi, P. Blanchard, J.J. Pagano, M.S. Milligan, presented to Eight International Conference on Mercury as a Global Pollutant, Madison, WI, August 6-11, 2006.
492. Source Identifications and Spatial Distributions of PM_{2.5} Collected at Multiple Sites in Seattle, WA, E. Kim, P.K. Hopke, T.V. Larson, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
493. Use of an Expanded Receptor Model for Personal Exposure Analysis in Urban Schoolchildren with Asthma, W. Zhao, P.K. Hopke, E.W. Gelfand, N. Rabinovitch, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
494. Investigation of Carbonaceous Aerosol Behavior at Two Locations in New York State, R. Sunder Raman, P.K. Hopke, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
495. Modeling Source Contributions to Ultrafine Particle Number Concentrations Measured in Rochester, NY, David Ogulei, P.K. Hopke, D. Chalupa, M. Utell, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
496. Estimation of Source Apportionment and Potential Source Location of PM_{2.5} in Western US IMPROVE Sites, I. Hwang, P.K. Hopke, S.-M. Yi, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
497. Investigating Spatial Distribution of Origins for Nitrate and Sulphate in Midwestern Areas via SQTBA and RTWC, W. Zhao, P.K. Hopke, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
498. Utilizing Backward Trajectories in Multilinear Receptor Model, E. Kim, P.K. Hopke, D.J. Eatough, D.V. Martello, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
499. Sources of Fine Particulate Species in Ambient Air over Lake Champlain Basin, Vermont, A.E. Gildemeister, P.K. Hopke, E. Kim, N. Gao, K. Krumhansl, K. Lafferty, R.L. Poirot, presented to 2006 International Aerosol Conference, St. Paul MN, September

- 10-15, 2006.
500. Source Identification and Health Effect of PM_{2.5} in Seoul, Korea, J. Huh, H.S Kim, S.-H. Kim, Y.-S. Seo, D.M. Paek, S.-M. Yi, P.K Hopke, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 501. Source Regions for Fine Particulate Matter in New Jersey, A.E. Gildemeister, P.K. Hopke, E. Kim, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 502. The U.S. Environmental Protection Agency Version of Positive Matrix Factorization, P.K. Hopke, P. Paatero, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 503. Seasonal Variation of 2- Methyltetrols in the Ambient Air Samples, X. Xia, P.K. Hopke, P. Li, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 504. Analysis of Ambient Semicontinuous Data Collected at the St. Louis - Midwest Supersite, E. Kim, P.K. Hopke, J.R. Turner, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 505. Comparing Several PM_{2.5} Source Apportionment Results for Use in a Health Study in Atlanta, Georgia, A. Marmur, J.A. Mulholland, A.G. Russell, E. Kim, P.K. Hopke, J.A. Sarnat, M. Klein, P.E. Tolbert, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 506. Topologies of Nucleation Rate Surfaces for Laser Ablation of Solids, M. Anisimov, A.M. Baklanov, T.I. Golavskaya, P.K. Hopke, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 507. Fiber Deposition in the Tracheobronchial Region: Comparison of Experimental Data and Theoretical Models, Y. Zhou, W.-C. Su, G. Ahmadi, P.K. Hopke, Y.S. Cheng, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 508. Computer Simulation of Ellipsoidal Particle Transport and Deposition in Human Tracheobronchial Tree with 3-d Symmetric and Asymmetric Bifurcation Model, L. Tian, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 509. Human Nasal Passage Fibrous Particle Deposition: the Influence of Particle Length, Flow Rate and Passage Geometry, Z. Wang, P.K Hopke, G. Ahmadi, P. Baron, G. Deye, Y.-S. Cheng, W.-C. Su, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 510. Computational Analysis of Spherical Particle Transport and Deposition in the Human Nasal System for Impaction Regime, P. Zamankhan, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 511. Determination of Hexavalent Chromium by Ion Chromatography (IC), P.K. Hopke, M. Yang, E.F. Hopke, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
 512. Application of NCDMA (Nanoparticle Crossflow Differential Mobility Analyzer) for Volatility Measurements, D.-K. Song, S. Dhaniyala, P.K. Hopke, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.

513. Examining the Cardiovascular Health Effects of Atlanta Aerosol Using Three Source Apportionment Techniques, J.A. Sarnat, M. Klein, P.E. Tolbert, A. Marmur, A.G. Russell, J.A. Mulholland, E. Kim, P.K. Hopke, presented to 2006 International Aerosol Conference, St. Paul MN, September 10-15, 2006.
514. Summary of Emissions Management Strategy Policy Relevant Findings from EPA's PM Supersites Program, P.A. Solomon and P.K. Hopke, presented to the 2006 national Air Monitoring Conference, Las Vegas, NV, November 6-9, 2006.
515. Determination of Source Apportionments of Coarse Particles during the Regional Air Pollution Study (RAPS) in St. Louis, Missouri, I.J. Hwang and P.K. Hopke, presented to the 100th National Meeting of the Air and Waste Management Association, Pittsburgh, PA, June 26-29, 2007.
516. Transport and Deposition of Ellipsoidal Fibers in Laminar Flows, L. Tian, G. Ahmadi, Z. Wang and P.K. Hopke, presented to 6th International Conference on Multiphase Flow, ICMF 2007, Leipzig, Germany, July 9-13, 2007.
517. State of the Nucleation Rate Standard Design, M.P. Anisimov, V.A. Postnikov, and P.K. Hopke, presented to 3rd International Symposium on Nanotechnology, Occupational and Environmental Health. Taiwan, Taipei, August 29 - September 1, 2007.
518. Descriptive Time Series Analysis of Fine Carbonaceous Aerosol at Potsdam, NY, R. Sunder Raman, P.K. Hopke, presented to 2007 European Aerosol Conference, Salzburg, Austria, September 9-14, 2007.
519. Source Apportionments and Spatial Variability of Coarse Particle During the Regional Air Pollution Study (RAPS), I.J. Hwang, P.K. Hopke, J.P. Pinto, presented to 2007 European Aerosol Conference, Salzburg, Austria, September 9-14, 2007.
520. Human Nasal Passage Fibrous Particle Deposition: the Influence of Particle Length, Flow Rate and Passage Geometry, Z. Wang, P.K. Hopke, presented to 2007 European Aerosol Conference, Salzburg, Austria, September 9-14, 2007.
521. Fulvic acids and their sulfated and nitrated analogues in atmospheric aerosol - Determination by ultrahigh resolution electrospray mass spectrometry, T. Reemtsma, A. These, M. Linscheid, P.K. Hopke, presented to 2007 European Aerosol Conference, Salzburg, Austria, September 9-14, 2007.
522. Source apportionment of Prague aerosol from combined particle number size distribution and gaseous composition data by bilinear Positive Matrix Factorization, D. Thimmaiah, J. Hovorka and P.K. Hopke, presented to 2007 European Aerosol Conference, Salzburg, Austria, September 9-14, 2007.
523. The Effectiveness of an Integrated Energy Recovery Ventilator on the Air Quality in the Bedroom of Asthmatic Children, 5-14 Years, and Their Improved Respiration and Restfulness. P.A. Jaques, A.R. Ferro, P.K. Hopke, C. Gressani, L.E. Wetzal, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
524. Numerical Simulations of Inertial Particle Deposition in a Realistic Nasal Cavity, K. Shanley, P. Zamankhan, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
525. Applications of the Advanced EPA PMF and PMF2 Model for PM2.5 Source Apportionment. I. Hwang, P.K. Hopke, P. Paatero, presented to the 2007 Annual Meeting

- of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
526. SOA formation and growth from ozonolysis of terpene in indoor environments. X. Chen, P.K. Hopke, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
527. Comparison of the effects of two cluster analysis methods on aerosol time of flight mass spectrometry data. W. Zhao, P.K. Hopke, K.A. Prather, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
528. Interference of Organic Signals in Highly Time Resolved Nitrate Measurements by Aerosol Mass Spectrometer. M.-S. Bae, J.J. Schwab, Q. Zhang, O. Hogrefe, K.L. Demerjian, S. Weimer, K. Rhoads, D. Orsini, P. Venkatachari, P.K. Hopke, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
529. A New Automated Monitor for the Measurement of Particulate Reactive Oxidant Concentrations in the Atmosphere, P. Venkatachari, P.K. Hopke, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
530. Supercritical Vapor-Gas Binary Solution Nucleation. M.P. Anisimov, V.F. Podgornyyi, P.K. Hopke, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
531. A Compositional Miniature Electrical Aerosol Spectrometer (c-MEAS) for Volatility study of Ultrafine Particles, M. Ranjan, S. Dhaniyala, P.K. Hopke, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
532. Transport and Deposition of Ellipsoidal Fiber in Human Tracheobronchial Tree. L. Tian, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
533. Nucleation Rate Standard. M.P. Anisimov, V.A. Postnikov, P.K. Hopke, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
534. Glass Fiber Deposition in Human Nasal Models. I. Experimental, Z. Wang, P.K. Hopke, presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
535. Glass Fiber Deposition in Human Nasal Models. II. Empirical Equations, Z. Wang, P.K. Hopke presented to the 2007 Annual Meeting of the American Association for Aerosol Research, Reno, NV, September 23-28, 2007.
536. Quantitative Results from Single Particle Characterization Data, P.K. Hopke, presented to the FACSS 2007, Memphis, TN, October 14-18, 2007.
537. SOA Formation and Growth From Ozonolysis of Terpene in Indoor Environments, X. Chen and P.K. Hopke, presented to American Institute of Chemical Engineers 2007 Annual National Convention, St. Lake City, UT, November 4-9, 2007.
538. Ultrahigh Resolution Mass Spectrometry and Hyphenation Mass Spectrometry for Molecular Level Identification of Fulvic Acids and Their Sulfated and Nitrated Analogues in Pm2.5 Atmospheric Aerosol, T. Reemtsma, A. These, M. Linscheid, and

- P.K. Hopke, presented to the European Geosciences Union General Assembly 2008, Vienna, Austria, April 13–18, 2008.
539. Impacts of an Isolated Single Source in Rural Vermont, P.K. Hopke, P. Venkatachari, P. Jaques, B. Crimmins, R.L. Poirot, and E. Miller presented at AWMA Specialty Conference on Aerosol and Atmospheric Optics: Visual Air Quality and Radiation, Moab, UT, April 28-May 2, 2008.
540. Great Lakes Fish Monitoring Program: Toxaphene results using GC-MS/MS, X. Xia, B. Crimmins, P. Hopke, J. Pagano, M. Milligan, and T. Holsen, presented to 51st Annual Conference on Great Lakes Research, Peterborough, Ont., May 19-23, 2008.
541. Spin Trapping for Identification and Characterization of Particle-Bound Reactive Radical Species, J. Pavlovic, X. Chen, and P.K. Hopke, presented to the 2008 Northeast Regional Meeting (NERM) of the American Chemical Society, Burlington, VT, June 29 - July 2, 2008.
542. Secondary Organic Aerosol from α -Pinene Ozonolysis in a Dynamic Chamber System: Density and Particle Bound Reactive Oxygen Species (ROS) Measurements, X. Chen and P.K. Hopke, presented to the 2008 Northeast Regional Meeting (NERM) of the American Chemical Society, Burlington, VT, June 29 - July 2, 2008.
543. Automated Sampling System for Particle Bound Reactive Oxygen Species, L. Sun, J. Pavlovic, X. Chen, B. Crimmins, and P.K. Hopke, presented to the 2008 Northeast Regional Meeting (NERM) of the American Chemical Society, Burlington, VT, June 29 - July 2, 2008.
544. Characterizing Benzene and Other Air Toxics In Akwesasne (NY), R. Li, S. Kalenge, P.K. Hopke, A. Rossner, and A. Benedict, presented to the 2008 Northeast Regional Meeting (NERM) of the American Chemical Society, Burlington, VT, June 29 - July 2, 2008.
545. Determination of Toxaphene in Fish Samples by GC/MS, X. Xia, B.S. Crimmins, P.K. Hopke, T.M. Holsen, J.J. Pagano, M.S. Milligan, presented to the 2008 Northeast Regional Meeting (NERM) of the American Chemical Society, Burlington, VT, June 29 - July 2, 2008.
546. Characterization of Benzene and Other Air Toxics at Akwesasne, S. Kalenge, P.K. Hopke, and A. Rossner, presented to the 2008 Northeast Regional Meeting (NERM) of the American Chemical Society, Burlington, VT, June 29 - July 2, 2008.
547. Spatial-Temporal Variability of Air Pollutants In Syracuse, NY, J. Ehrhardt, P. K. Hopke, T. Holsen, E. McAddy, X. Wang, K. M. Zhang, and M. J. Mitchell, presented to the 2008 Northeast Regional Meeting (NERM) of the American Chemical Society, Burlington, VT, June 29 - July 2, 2008.
548. A Multiyear Study of Ultrafine Particle Number Size Distributions and Growth Events in Rochester, NY, J. Kasumba, P.K. Hopke, M. Utell, and D. Chalupa, presented to the 2008 Northeast Regional Meeting (NERM) of the American Chemical Society, Burlington, VT, June 29 - July 2, 2008.
549. The Level of Toxaphene in Korean Fish, S. Jeon, J. Cho, S. Lee, X. Xia, B. Crimmins, P.K. Hopke, J. Pagano, T.M. Holsen, presented to 28th International Symposium on Halogenated Persistent Organic Pollutants (Dioxin 2008), Birmingham, UK, August 17-22, 2008.
550. Air cleaner effects on indoor air quality and asthmatic children's health, Y. Xu, S. Raja,

- A.R. Ferro, P.A. Jaques, S. Surisetty, Y. Qi, P.K. Hopke, C. Gressani, and L.E. Wetzel, presented to the 11th International Conference on Indoor Air Quality and Climate, Copenhagen, Denmark, August 17-22, 2008.
551. Particle deposition in human nasal airway passage: The extrapolation of glass fiber deposition, P.K. hopke, and Z. Wang, presented to the 2008 European Aerosol Conference, Thessaloniki, Greece, August 24-29, 2008.
 552. Deposition of man-made fibers in the extrathoracic region, Y.S. Cheng, W.C. Su, Y. Zhou, P.K. Hopke, G. Ahmadi and J.C.M. Marijnissen, presented to the 2008 European Aerosol Conference, Thessaloniki, Greece, August 24-29, 2008.
 553. Chemical characterization and source apportionment of aerosols in highly polluted urban fog and clear air in South Asia, L. Husain, B.K. Farhana, B.M. Ghauri, P.K. Hopke and S. Raja, presented to the 2008 European Aerosol Conference, Thessaloniki, Greece, August 24-29, 2008.
 554. Short Term Effects of Fine and Ultrafine Particulate Matter on Mortality in Rochester, NY, USA, S. von Klot, M. Franklin, J. Kasumba, J. Schwartz, P.K. Hopke, presented to the ISEE-ISEA 2008 Joint Conference, Pasadena, CA, October 12-16, 2008.
 555. Source Apportionment of Atmospheric Aerosols in Lahore, Pakistan. S. Raja, B.K. Farhana, L. Husain, P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 556. Nucleation and Growth In/over a Deciduous Forest: How important are the trees? S.C. Pryor, R.J. Barthelmie, A.M. Spaulding, A. Rossner, B. Crimmins, P.K. Hopke, L. Mauldin, T. Jobson, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 557. A Multiyear Study of Ultrafine Particle Number Size Distributions and Growth Events in Rochester, NY. J. Kasumba, D. Chalupa, M. Utell, P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 558. Simulated Transport and Deposition of Ellipsoidal Fibers with Application to Human Breathing, K.T. Shanley, G. Ahmadi, P.K. Hopke, and Y.-S. Cheng, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 559. Effectiveness of Air Cleaner on Reducing Indicators of Airway Inflammation in Asthmatic Children. Y. Xu, S. Raja, A.R. Ferro, P. A. Jaques, S. McMahon, Y. Qi, P.K. Hopke, C. Gressani, L.E. Wetzel, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 560. Measurement of endotoxin and aeroallergens in PM10 and settled dust in the homes and school rooms of asthmatic children. S. Raja, Y. Xu, A. R. Ferro, P.A. Jaques, P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 561. Distribution of Aeroallergens Measured in Homes. S. Raja, Y. Xu, A.R. Ferro, P.A. Jaques, P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 562. Measurement of SOA Precursor Compounds in the Nucleation In ForesTs (NIFTY) Campaign. A. Rossner, B. Crimmins, P.K. Hopke, S.C. Pryor, presented to the 27th

- Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
563. Measurement of Particle Concentrations above a Forest and Surrounding Farmland. D. Valyou, J. Butler, E. Zito, W. Hull, J. Hoffman, P. Marzocca, S. Dhaniyala, P.K. Hopke, R. Barthelmie, S. Scott, S.C. Pryor, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 564. Transport and Deposition of Ellipsoidal Fiber in Human Tracheobronchial Tree with a Multi-level Bifurcation Computational Model. L. Tian, G. Ahmadi, P.K. Hopke and Y.-S. Cheng, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 565. Fiber deposition in realistic human lung bifurcation model. P.K. Hopke, Z. Wang, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 566. Spin trapping for identification and characterization of particle-bound reactive radical species. J. Pavlovic, X. Chen, P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 567. The Use of Potential Source Contribution Functions to Examine Potential Source Areas and Transport Pathways of Nitrate and Sulfate in UK, Y. Li, P.K. Hopke, R. Harrison, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 568. Spatial Distribution of the Ambient Fine Aerosol in Syracuse, NY, E. McAddy, J. Ehrhardt, P.K. Hopke, T.M. Holsen, X. Wang, K. M. Zhang, M. Mitchell, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 569. Source Apportionment of Urban Aerosol by Bilinear PMF2 from Highly-time Resolved Data: Prague Winter 2007/2008. D. Thimmaiah, M. Civis, J. Hovorka, P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 570. Receptor Modeling of Data with Species-Dependent Time Resolution: Results from the St. Louis -- Midwest Supersite. Y. Li, P.K. Hopke, J. Turner, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 571. An Automated Sampling System for Particle Bound Reactive Oxygen Species. L. Sun, J. Pavlovic, X. Chen, P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 572. High Flow Rate Aerodynamic Lens System. G. Zhao, P. Zamankhan, P.K. Hopke, S. Dhaniyala, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 573. The Nucleation Rate Experimental Data Inconsistencies. M.P. Anisimov, P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
 574. Characterization of Near-Roadway Air Pollution in Syracuse, NY. X. Wang, K.M. Zhang, J. Ehrhardt, P.K. Hopke, T.M. Holsen, M. Mitchell, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.

575. Secondary organic aerosol from alpha-pinene ozonolysis in a dynamic chamber system: density and particle bound reactive oxygen species (ROS) measurements. X. Chen and P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
576. Advantages Of A Semiempirical Design Of The Nucleation Rate Surfaces Over Phase Equilibria Diagram. M.P. Anisimov P.K. Hopke, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
577. Urban Air Quality in the Asian Region. P.K. Hopke, D.D. Cohen, B.A. Begum, S.K. Biswas, B. Ni, G.G. Pandit, M. Santoso, Y.-S. Chung, P. Davy, A. Markwitz, S. Waheed, N. Siddique, F.L. Santos, P.C.B. Pabroa, M.C.S. Seneviratne, W. Wimolwattanapun, S. Bunprapob, T.B. Vuong, and A. Markowicz, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
578. Air Cleaner Effects on Improving Indoor Air Quality. Y. Xu, S. Raja, A.R. Ferro, P.A. Jaques, S. McMahon, Y. Qi, P.K. Hopke, C. Gressani, L.E. Wetzel, presented to the 27th Annual Conference of the American Association for Aerosol Research, Orlando, FL, October 20-24, 2008.
579. Computer Design of Water Vapor Nucleation Rate Surface, L. Anisimova, M.P. Anisimov, and P.K. Hopke, presented to the Fourth International Conference on Multiscale Materials Modeling, Tallahassee, FL, October 27-31, 2008.
580. Source Identification Of Chittagong Aerosol By Receptor Modeling, B.A. Begum, S.K. Biswas, M. Nasiruddin, A.M. Showkot Hossain, P.K. Hopke, presented to Better Air Quality (BAQ 2008), Bangkok, Thailand, November 12-14, 2008.
581. Measurement of SOA Precursor Compounds in the Nucleation In ForesTs (NIFTY) Campaign, A. Rossner, B. Crimmins, P.K. Hopke, S.C. Pryor, presented to Fall 2008 Meeting of the American Geophysical Union, San Francisco, CA, December 15-19, 2008.
582. Measurement of Particle Concentrations above a Forest and Surrounding Farmland, D. Valyou, J. Butler, E. Zito, W. Hull, J. Hoffman, P. Marzocca, S. Dhaniyala, P.K. Hopke, R. Barthelmie, S. Scott, S.C. Pryor, presented to Fall 2008 Meeting of the American Geophysical Union, San Francisco, CA, December 15-19, 2008.
583. Relationships among Legacy and Emerging Contaminant Concentrations in Great Lakes Fish Between 1999 and 2005 and Evaluation of Site-specific Differences, Holsen T.M., Hopke P.K., Amos M.M., Miller K.M., Milligan M.S., Murphy E.W., Pagano J.J., Schofield J.A., presented to International Association for Great Lakes Research, 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009.
584. Advanced receptor modelling for the apportionment of road dust resuspension to atmospheric PM - F. Amato, X.M. Pandolfi, M.A. Escrig, X. Querol, X.A. Alastuey, J. Pey, N. Perez, P.K. Hopke, presented to 17th Transport and Air Pollution Symposium, Toulouse, France, June 2-4, 2009.
585. Speciated Mercury Measurements in Rochester New York: PCA Results, J. Huang, H.-D. Choi, T.M. Holsen, P.K. Hopke, International Conference on Mercury as a Global Pollutant, Guizhou, China, June 7-12, 2009.
586. Atmospheric Mercury (Hg) in the Adirondacks of Northern New York: Concentrations

- and Sources, H.-D. Choi, T.M. Holsen, P.K. Hopke, International Conference on Mercury as a Global Pollutant, Guizhou, China, June 7-12, 2009.
587. Fibrous and Spherical Particle Transport and Deposition in the Human Nasal Airway: a Computational Fluid Dynamics Model, K.T. Shanley, G. Ahmadi, P.K. Hopke, and Y.-S. Cheng, presented to the ASME 2009 Fluids Engineering Division Summer Meeting, Vail, Colorado, August 2-6, 2009.
 588. Comparison of Sources of Submicron Particle Number Concentrations Measured at Two Sites in Rochester, NY, J. Kasumba, P.K. Hopke, D.C. Chalupa, and M.J. Utell, presented to the Eighteenth International Conference on Nucleation and Atmospheric Aerosols, Prague, Czech Republic, August 10-14, 2009.
 589. Experimental Nucleation Rate Data Inconsistencies, M.P. Anisimov and P.K. Hopke, presented to the Eighteenth International Conference on Nucleation and Atmospheric Aerosols, Prague, Czech Republic, August 10-14, 2009.
 590. Indoor and Urban Environmental Monitoring using “Virtual Building” Approach, W. Feng, J.S. Zhang, S. Kato, E. Khalifa, K.M. Zhang, A. Ferro, P.K. Hopke, M. Mitchell, presented to Healthy Buildings 2009, Syracuse, NY, September 14-17, 2009.
 591. A Chamber Study of Secondary Organic Aerosol Formation from Ozonolysis of α -pinene and linalool, X. Chen, P.K. Hopke, presented to Healthy Buildings 2009, Syracuse, NY, September 14-17, 2009.
 592. Resuspension of Indoor Aeroallergens and Relationship to Lung Inflammation in Asthmatic Children, S. Raja, Y. Xu, A.R. Ferro, P.A. Jaques, P.K. Hopke, L.E. Wetzel, C. Gressani, presented to Healthy Buildings 2009, Syracuse, NY, September 14-17, 2009.
 593. Development of an Automated Sampling System for Particle-Bound Reactive Oxygen Species in the Urban Atmosphere, Y. Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
 594. Particle Nucleation above Forest and surrounding Farmland, P.D. Nallathamby, P.K. Hopke, S. Dhaniyala, P. Marzocca, S.C. Pryor, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
 595. Gaseous Emission Rates from a High Efficiency Wood Boiler Using Two Types of Fuel: Wood Chips and Wood Pellets, J. Laing, S. Raja, T.M. Holsen, P.K. Hopke, D. Dungate, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
 596. Organic Composition of Stack Emissions from a High Efficiency Wood Boiler, S. Raja, J. Laing, Y. Zhang, T.J. Zananski, T. Holsen, P.K. Hopke, D. Dungate, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
 597. Determining the Heterogeneity in Coarse Particles in an Urban Area. U.R.K. Lagudu, S. Raja, P.K. Hopke, D.C. Chalupa, M.J. Utell, G. Casuccio, T.L. Lersch, R.R. West, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
 598. Temporal and Spatial Characterization of the Ambient Air Quality at the Center of Excellence (COE) in Environment and Energy Systems building in Syracuse, NY, E. McAddy, P.K. Hopke, T. Holsen, X. Wang, K.M. Zhang, M. Mitchell, presented to the 28th

- Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
599. Particulate and Gaseous Pollutants Source Contribution Influencing Ambient Air Quality at the Center of Excellence (COE) in Environment and Energy Systems building in Syracuse, NY, E. Mc-Addy, P.K. Hopke, T. Holsen, X. Wang, K.M. Zhang, M. Mitchell, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
600. Characterization and Comparison of Particle Number Concentrations and Size Distributions Measured at Two Sites in Rochester, NY, Y. Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
601. Quantification of Organic Molecular Markers in Aerosols collected in Syracuse, NY. P.K. Hopke, T.M. Holsen, Y. Zhang, X. Xia, T.J. Zananski, E. Mc-Addy, M. Omara, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
602. Highly-time resolved aerosol particle characteristics and source apportionment in Prague and small settlement in summer 2008. J. Hovorka, P.K. Hopke, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
603. Development and Characterization of a Coarse and Fine PM Chemical Speciation Sampler with Multiple Filters to Obtain a Nearly Complete Mass Balance. L. Craig, A. May, S. Dhaniyala, P.K. Hopke, J. Tisch, P.A. Solomon, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
604. Developing a New Sampling Train for the Measurement of Hexavalent Chromium in Ambient Air. M.A. Torkmahalleh, T.M. Holsen, R.A. Cully, P.K. Hopke, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
605. Comparison and Evolution of Particle Size Distributions from a High Efficiency Wood Boiler Using Two Types of Fuel: Wood Chips and Wood Pellets. S. Raja, J. Laing, T.M. Holsen, P.K. Hopke, D. Dungate, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
606. Detection and characterization of particle-bound reactive radical species. J. Pavlovic, P.K. Hopke, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
607. Improvements in Urban Air Quality: Case Studies from New York State, U.S.A., S.M. Buckley, M.J. Mitchell, P.K. Hopke, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
608. Fiber Transport and Deposition in Human Tracheobronchial Tree, L. Tian, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
609. Deposition of Fibrous Material in A Human Nasal Airway. K.T. Shanley, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.

610. Identification of Potential Source Regions of PMF-Modeled Sources of PM_{2.2} in Dhaka, Bangladesh. B.A. Begum, S.K. Biswas, A. Markwitz, P.K. Hopke, presented to the 28th Annual Conference of the American Association for Aerosol Research, Minneapolis, MN, October 26-30, 2009.
611. Long Term Study of Urban Ultrafine Particles in Rochester, NY. Y.Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
612. Improvements in Sampling for Cr (VI) in TSP. M. A. Torkmahalleh, R.A. Cully, T.M. Holsen, P.K. Hopke, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
613. Temporal and Spatial Characterization of the Ambient Air Quality at the Center of Excellence (COE) in Environment and Energy Systems building in Syracuse, NY. P.D. Nallathamby, E. Mc-Addy, P.K. Hopke, T.M. Holsen, X. Wang, K.M. Zhang, M. Mitchell, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
614. Indoor and Outdoor Concentrations of Ultrafine Particles at a Cardiac Rehabilitation Center, Y.Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
615. Source Apportionment and Genotoxicity of Size Segregated Aerosol. J. Hovorka, J. Topinka, J. Krouzek, P.K. Hopke, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
616. Particulate and Gaseous Pollutants Source Contribution influencing Ambient Air Quality at the Center of Excellence (CoE) in Environment and Energy Systems Building in Syracuse, NY, Y. Zhang, P.K. Hopke, T.M. Holsen, X. Wang, K.M. Zhang, M. Mitchell, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
617. UFPs generated during cooking with an electric stove. I. Goldasteh, M.A. Torkmahalleh, A. Ferro, P.K. Hopke, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
618. Characterization and Source Apportionment of Fine Particles Pollution in Colombo, Sri Lanka by ED-XRF and EPA-PMF, S. Seneviratne, V. Waduge, L. Hadagiripathira, S. Sanjeewani, T. Attanayake, N. Jayaratne, P.K. Hopke, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
619. Key Issues for Control of Air Pollutants in Dhaka Bangladesh. B.A. Begum, S.K. Biswas, P.K. Hopke, presented to Air Pollution and Health, San Diego, CA, March 22-26, 2010.
620. Legacy and Emerging Contaminant Concentrations in Great Lakes Fish Between 1991 and 2008 and Evaluation of Differences Between Sampling Sites, T.M. Holsen, P.K. Hopke, M.M. Amos, K.M. Miller, J.T. Telech, J.A. Schofield, M.S. Milligan, E.W. Murphy, J.J. Pagano, presented to International Association for Great Lakes Research, 53rd Annual Conference on Great Lakes Research, May 17-21, 2010, Toronto, Ontario.
621. Application of Nitron Spin Traps for Detection of Radical Species from α -Pinene/Ozone Reaction. J. Pavlovic and P.K. Hopke, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
622. Gaseous, Particulate and Semi-Volatile Emission Rates from a High Efficiency Wood Pellet Boiler Using Three Fuels. J. Laing, S. Raja, T. Holsen and P.K. Hopke, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.

623. Spatio-Temporal Variability of Ultrafine Particle Number Concentrations in Urban Atmosphere. Y. Wang, P.K. Hopke, D.C. Chalupa and M.J. Utell, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
624. Spatial Variability of Coarse Particles in Urban Areas. U. R. Krishna Lagudu, S. Raja, P.K. Hopke, D.C. Chalupa, M.J. Utell, G. Casuccio, T.L. Lersch and R.R. West, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
625. Performance Evaluation of High Efficiency Wood Boiler. S. R. Chandrasekaran, J. Laing, S. Raja, T.M. Holsen and P.K. Hopke, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
626. Performance Evaluation of a Model Electrostatic Precipitator for an Advanced Wood Combustion (AWC) System. M. Omara, P.K. Hopke, S. Raja and T.M. Holsen, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
627. Characterization of Mercury Emissions from Domestic Wood Combustion. J. Huang, J. Laing, T. Basara, P.K. Hopke and T.M. Holsen, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
628. Toxaphene and Selected Toxaphene Congeners in Great Lakes Fish. X. Xia, B.S. Crimmins, P.K. Hopke, T.M. Holsen, J.J. Pagano and M.S. Milligan, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
629. Improvements in Sampling for Cr (VI) in TSP. M.A. Torkmahalleh, T.M. Holsen and P.K. Hopke, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
630. Analysis of Synthetic Musk Compounds in Great Lakes Fish. M.S. Milligan, S. Simpson, B.S. Crimmins, T.M. Holsen, X. Xia, P.K. Hopke and J.J. Pagano, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
631. Quantitative Screening of Emerging Contaminants in Lake Michigan Lake Trout. B.S. Crimmins, J.J. Pagano, X. Xia, T.M. Holsen, M. Milligan and P.K. Hopke, presented to 37th Northeast Regional Meeting (NERM 2010) of the American Chemical Society, Potsdam, NY, June 2-4, 2010.
632. Characterization of Ambient Black Carbon and Wood Burning Particles in Urban Areas, Y. Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, O. Rattigan, H.D. Felton, Y. Zhu, presented to Urban Environmental Pollution Conference 2010, Boston, MA. June 20-23, 2010.
633. Source Apportionment of Particulate Matter Based on Size Segregated Composition Data, P.K. Hopke, J. Wang, P.D. Nallathamby, presented to the 2010 annual meeting of the Society for Industrial and Applied Mathematics, Pittsburgh, PA, July 12-16, 2010.
634. Structural elucidation of radical species formed from α -pinene/ozone reaction using nitron spin traps and tandem mass spectrometry, J. Pavlovic, P.K. Hopke, presented to

- the 8th International Aerosol Conference, Helsinki, Finland, August 30 to September 3, 2010.
635. Characterization of urban atmospheric particle-bound reactive oxygen species using an automated sampling-analysis system, Y. Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, presented to the 8th International Aerosol Conference, Helsinki, Finland, August 30 to September 3, 2010.
 636. Using Two-wavelength Aethalometer Measurements to Evaluate Ambient Wood Burning Particles in New York. Y. Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, O. Rattigan, D. Felton, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 637. Development of A High-flow Virtual Impactor System. G. Zhao, P.A. Solomon, P.K. Hopke, S. Dhaniyala, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 638. Evaluation of Dihydrorhodamine 123 as Fluorescent Probe for Reactive Oxygen Species. J. Zhao, P.K. Hopke, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 639. Performance Evaluation of High Efficiency Wood Boilers. S.R. Chandrasekaran, J. Laing, Suresh Raja, T.M. Holsen, P.K. Hopke, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 640. Modeling and Testing the Effectiveness of a Heating, Ventilation and Air Conditioning System on Indoor Air Quality. S. Raja, A.R. Ferro, P.K. Hopke, L.E. Wetzel, C. Gressani, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 641. The Impact of Deliquescence on Cr(VI) in Ambient PM Samples. M.A. Torkmahalleh, T.M. Holsen, P.K. Hopke, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 642. Performance Evaluation of a Model Electrostatic Precipitator for an Advanced Wood Combustion (AWC) System. M. Omara, P.K. Hopke, S. Raja, T.M. Holsen, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 643. Emission Measurements from High Efficiency Wood Boilers. S.R. Chandrasekaran, J. Laing, Suresh Raja, T.M. Holsen, P.K. Hopke, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 644. Fine-scale Spatio-temporal Variability of Ultrafine Particle Number Concentrations within Urban Communities. Y. Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 645. Spatial Measurements of Ultrafine Particles Using an Engine Exhaust Particle SizerTM within a Local Community Downwind of a Major International Trade Bridge in Buffalo, NY. T.R. McAuley, A.R. Ferro, J. Spengler, P.K. Hopke, P.A. Jaques, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 646. Characterization of particle-bound reactive oxygen species in tobacco smoke. J. Zhao, P.K. Hopke, G. Oberdorster, R. Gelein, P. Wade-Mercer, I. Rahman, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR,

- October 25-29, 2010.
647. Exposure to Different Commercial Oils. M.A. Torkmahalleh, I. Goldasteh, Y. Zhao, A. Rossner, P.K. Hopke, A.R. Ferro, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 648. Transport and Deposition of Asbestos Fibers in Human Upper Airways. L. Tian, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 649. Long Range Transport of Anthropogenic Pollution in the Asian Region. B.A. Begum, S.K. Biswas, G.G. Pandit, S. Waheed, M.C. S. Seneviratne, D.D. Cohen, A. Markwitz, P.K. Hopke, presented to the 29th Annual Meeting of the American Association for Aerosol Research, Portland, OR, October 25-29, 2010.
 650. Quantification of Indoor Air Pollution and Estimating its Health Effects in Northwest Bangladesh. L.T. Le, K.C. Chang, A. Al Masud, M. Alauddin, M. Hossain, P.K. Hopke, Z. Chowdhury, presented to the 2011 ETHOS Conference, Kirkland, Washington, January 28–30, 2011.
 651. Emission Measurements from Three High Efficiency Wood Boilers, S. Ramanathan Chandrasekaran, J. Laing, S. Raja, T.M. Holsen, P.K. Hopke, presented to Woody Biomass Energy Research Symposium, University of Vermont, Burlington, VT, April 28-30, 2011.
 652. Performance Measurements Using ASHRAE Standard 155p, S. Ramanathan Chandrasekaran, T.M. Holsen, P.K. Hopke, presented to Woody Biomass Energy Research Symposium, University of Vermont, Burlington, VT, April 28-30, 2011.
 653. Do Ambient Ultrafine And Fine Particles Alter Cardiac Responses In Patients Undergoing Cardiac Rehabilitation? D.Q. Rich, W. Beckett, P.K. Hopke, D. Oakes, M.W. Frampton, W. Zareba, and M.J. Utell, presented to the 2011 ATS International Conference, Denver, Colorado, May 13-18, 2011.
 654. Perfluoroalkylated compounds (PFCs) in Great Lakes Fish as part of the Great Lakes fish Monitoring and Surveillance Program (GLFMSP), B. Crimmins, X. Xia, J. Pagano, M. Milligan, P. Hopke, and T. Holsen, presented to the 54th International Conference on Great Lakes Research, Duluth, MN, May 30-June 3, 2011.
 655. Non-PBDE Flame Retardants in Great Lakes Fish, J. Pagano, B. Crimmins, X. Xia, M. Milligan, P. Hopke, and T. Holsen, presented to the 54th International Conference on Great Lakes Research, Duluth, MN, May 30-June 3, 2011.
 656. Improving Indoor Air Quality And Asthmatic Children’S Health Using A Window-mounted Ventilation/filtration Unit, A.R. Ferro, S. Raja, J. Laing, P.K. Hopke, L.E. Wetzel, C. Gressani, presented to Indoor Air 2011, Austin, TX, June 5-10, 2011.
 657. A Systematic And Controlled Study For Comparison Of Ultrafine and PM2.5 Particles Emitted during Frying, I. Goldasteh, M.A. Torkmahalleh, Y. Zhao, A. Rossner, P.K. Hopke, A.R. Ferro, presented to Indoor Air 2011, Austin, TX, June 5-10, 2011.
 658. Exposure Assessment Of Indoor And Outdoor Benzene Concentrations To Residents And Workers On The Saint Regis Mohawk Tribe Reservation At Akwesasne, A. Rossner, P.K. Hopke, A. Bennedict-Dunn, presented to Indoor Air 2011, Austin, TX, June 5-10, 2011.
 659. Effect of the Shutdown of a Coal-Fired Power Plant on Urban Nucleation Events,

- Y.Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, presented to the 85th ACS Colloid and Surface Science Symposium, Montreal, PQ, Canada, June 19-22, 2011.
660. Source apportionment of airborne particulate matter in Rochester, NY, Y.Wang, P.K. Hopke, D.C. Chalupa, M.J. Utell, presented to CAPAC-II - International Conference on Air Pollution and Control, Antalya, Turkey, September 19-23, 2011.
661. Method comparison for chemical speciation of chromium in air samples. L. Lin, M.A. Torkmahalleh, P.K. Hopke, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
662. Sources of Carbonaceous Materials in the Airborne Particulate Matter of Dhaka. B.A. Begum, A. Hossain, G. Saroar, S. Biswas, Md. Nasiruddin, N. Nahar, Z. Chowdury, P.K. Hopke, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
663. Chemical Analysis of Wood Pellet Fuels for Residential Wood Combustion. G. Allen, L. Rector, P. Hopke, S. Ramanathan Chandrasekaran, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
664. Characteristics of Fugitive Dust Emissions from Unpaved Roads. G. Zhao, Y.-Y. Chen, M.A. Torkmahalleh, T.M. Holsen, P.K. Hopke, S. Dhaniyala, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
665. Impact of Phasing Out of Leaded Gasoline on the Ambient Lead Concentration in Bandung, Indonesia. M. Santoso, D.D. Lestiani, A. Markwitz, P.K. Hopke, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
666. Atmospheric Chromium Speciation in the Presence of Reactive Oxygen Species and Ozone. M.A. Torkmahalleh, L. Lin, T.M. Holsen, P.K. Hopke, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
667. Role of Cerium-Oxide Diesel Additive on Emissions and Fuel-efficiency of a Light Duty Truck. G. Zhao, P.K. Hopke, S. Dhaniyala, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
668. Performance measurements using ASHRAE Standard 155p. S. Ramanathan Chandrasekaran, T.M. Holsen, P.K. Hopke, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
669. Characteristics of a Novel Real-time Fugitive Dust Monitor. G. Zhao, Y.-Y. Chen, T.M. Holsen, P.K. Hopke, S. Dhaniyala, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
670. Characterization of Residential Wood Combustion Particles Using the Two-Wavelength Aethalometer. Y. Wang, P.K. Hopke, O.V. Rattigan, X. Xia, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
671. A Chamber Study of Secondary Organic Aerosol Formed by Ozonolysis of Alpha-Pinene in the Presence of Nitric Oxide. Y. Liu, P.K. Hopke, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.

672. Brownian Dynamics of Ellipsoidal Fibers and the Implication to Human Tracheobronchial Depositions. L. Tian, G. Ahmadi, P.K Hopke, Y.-S. Cheng, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
673. Air Quality Regulations and their Effects on the Atmospheric Environment of Islamabad. N. Siddique, S. Waheed, M. Daud, A. Markwitz, P.K. Hopke, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
674. Characterization and Heterogeneity of the Urban Coarse Particles in Syracuse, NY. P. Kumar, P.K. Hopke, S. Raja, G. Casuccio, T.L. Lersch, R.R. West, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
675. Long-term chemical characterization of the Finnish Arctic aerosol. J. Laing, P.K. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, Y. Viisinen, presented to the 30th Annual Meeting of the American Association for Aerosol Research, Orlando, FL, October 3-7, 2011.
676. Climate change due to black carbon and global environment, B.A. Begum, M. Haque, M. Nasiruddin, M.H. Khan, S.K. Biswas, P.K. Hopke, presented to Short-lived climate forcers: Sharing experience, promoting international co-operation and facilitating action, Dhaka, Bangladesh, October 17-18, 2011.
677. Long-term chemical compositional analysis of the Finnish Arctic aerosol, J.R. Laing, P.K. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, Yro Viisinen, presented to IPY2012 From Knowledge to Action Conference, Montreal, Quebec, April 22-17, 2012.
678. Long Term Trend in the Aerosol Black Concentrations in the Arctic Region, L. Husain, V.A. Dutkiewicz, T. Ahmed, A. DeJulio, P.K. Hopke, J.R. Laing, J. Paatero, presented to IPY2012 From Knowledge to Action Conference, Montreal, Quebec, April 22-17, 2012.
679. Acute Changes In Temperature Are Associated With Adverse Changes In Cardiac Rhythm, D.Q. Rich, E. Philbrick, W. Zareba, D. Oakes, P.K. Hopke, M.W. Frampton, M.J. Utell, presented to the 2012 ATS International Conference, San Francisco, CA, May 18-23, 2012.
680. Time series of elemental carbon concentrations at Alert, Canada. C. Belden, P.K. Hopke, L. Lin, S. Landsberger. Presented to the 22nd V.M. Goldschmidt Conference, Montreal, Quebec, Canada, June 24-29, 2012.
681. Long Term Trend in the Aerosol Black Concentrations in the Arctic Region, L. Husain, V.A. Dutkiewicz, T. Ahmed, A. DeJulio, P.K. Hopke, J.R. Laing, J. Paatero, presented to the 22nd V.M. Goldschmidt Conference, Montreal, Quebec, Canada, June 24-29, 2012.
682. Effect of the shutdown of a coal-fired power plant on urban mercury species, Y. Wang, P.K. Hopke, J. Huang, T.M. Holsen, presented to the 2012 European Aerosol Conference, Granada, Spain, September 2-7, 2012.
683. Long Term Trends in Arctic Aerosol Composition at Kevo, Finland, P.K. Hopke, J.R. Laing, L. Hussain, V.A. Dutkiewicz, J. Paatero, Y. Viisinen, presented to the 2012 European Aerosol Conference, Granada, Spain, September 2-7, 2012.
684. Safe PMF: Minimizing the Impact of Erroneous Data in Source Apportionment, P. Paatero, P.K. Hopke, presented to the 2012 European Aerosol Conference, Granada,

- Spain, September 2-7, 2012.
685. European Intercomparison for Receptor Models: Preliminary Results, F. Karagulian, C.A. Belis, F. Amato, D.C.S. Beddows, V. Bernardoni, S. Carbone, D. Cesari, E. Cuccia, D. Contini, O. Favez, I. El Haddad, R.M. Harrison, T. Kammermeier, M. Karl, F. Lucarelli, S. Nava, J. K. Nøjgaard, M. Pandolfi, M.G. Perrone, J.E. Petit, A. Pietrodangelo, P. Prati, A.S.H. Prevot, U. Quass, X. Querol, D. Saraga, J. Sciare, A. Sfetsos, G. Valli, R. Vecchi, M. Vestenius, J.J. Schauer, J.R. Turner, P. Paatero, P.K. Hopke, presented to the 2012 European Aerosol Conference, Granada, Spain, September 2-7, 2012.
 686. Towards a European Common Protocol for Receptor Modelling, C.A. Belis, F. Karagulian, B. R. Larsen, F. Amato, O. Favez, I. El Haddad, R.M. Harrison, A. Prevot, U. Quass, R. Vecchi, M. Viana, P. Paatero, P.K. Hopke, presented to the 2012 European Aerosol Conference, Granada, Spain, September 2-7, 2012.
 687. Biomass Burning Contribution to Ambient Air Particulate Levels at Navgongo, in the Sahel Savannah Zone of Ghana, F.G. Ofosu, P.K. Hopke, I.K.J. Aboh, S.A. Bamford, presented to Aerosol And Atmospheric Optics: Visibility & Air Pollution, September 24-28, 2012, Whitefish, MT.
 688. Personal Exposure to Black Carbon in Dhaka, Bangladesh, P.K. Hopke, J. Blair, S. Blair, presented to Aerosol And Atmospheric Optics: Visibility & Air Pollution, September 24-28, 2012, Whitefish, MT.
 689. Atmospheric Black Carbon in PM_{2.5} from Several Cities in Indonesia, M. Santoso, D. Dwiana, P.K. Hopke, presented to Aerosol and Atmospheric Optics: Visibility & Air Pollution, September 24-28, 2012, Whitefish, MT.
 690. Organic and Black Carbon in PM_{2.5} at an Urban Traffic Environment of Dhaka, Bangladesh, B.A. Begum, A. Hossain, N. Nahar, A. Markwitz, P.K. Hopke, presented to Aerosol And Atmospheric Optics: Visibility & Air Pollution, September 24-28, 2012, Whitefish, MT.
 691. Particulate Matter Chemistry in the San Joaquin Valley. S. Raja, S.M. Reddy, N. Sule, W. Rowe, C. Marlais, S. Nester, P.K. Hopke, L. Lin, X. Xia, S. Ramanathan Chandrasekaran, J. Klassen, J.W. Sweet, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 692. Vapor Nucleation Rate Surfaces for Some Systems with Polymorphous Phase Transitions. M. Anisimov, E. Fominykh, P.K. Hopke, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 693. Emission Characterization from Residential Scale Boilers Using Grass as Fuel. S. Ramanathan Chandrasekaran, P.K. Hopke, M. Newtown, A. Hurlbut, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 694. Physical Characteristics of Particle Emission from Multiple Cooking Activities. Y. Zhao, M. Amouei Torkmahalleh, I. Goldasteh, A. Rossner, P.K. Hopke, A.R. Ferro, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 695. A Hi-Volume Dichot Sampler to Collect Fine and Coarse Particulate Matter for Chemical Composition. G. Zhao, P.K. Hopke, P.A. Solomon, S. Dhaniyala, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN,

- October 8-12, 2012.
696. Investigation of Beta Attenuation Monitor Filter Rolls for Particulate Matter Speciation. S. Raja, P.K. Hopke, X. Xia, S. Ramanathan Chandrasekaran, L. Lin, K. Valsaraj, J. Klassen, J.W. Sweet, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 697. Source Identification and Long-term Trend Analysis of Finnish Arctic Aerosols. J.R. Laing, P.K. Hopke, L. Husain, V.A. Dutkiewicz, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 698. Status of Air Quality: Experience in Bangladesh. B.A. Begum, P.K. Hopke, A. Markwitz, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 699. Motion of Ellipsoidal Fibers in Human Tracheobronchial Tree. L. Tian, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 700. New Information on Cr Speciation in the Presence of Ozone and Reactive Oxygen Species during Atmospheric and Sampling Aging. M. Amouei Torkmahalleh, L. Lin, T.M. Holsen, D.H. Rasmussen, P.K. Hopke, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 701. Long-term Trends in the Chemical Composition of Finnish Arctic Aerosols. J.R. Laing, P.K. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, T. Ahmed, presented to the 31st annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 8-12, 2012.
 702. Trends of persistent organic and emerging pollutants in Great Lakes fish, J.J. Pagano, B.S. Crimmins, X. Xia, P.K. Hopke, M.S. Milligan, T.M. Holsen, presented to 245th ACS National Meeting and Exposition, April 7-11, 2013, New Orleans, Louisiana.
 703. Effective Use of Wood Combustion, P.K. Hopke, presented to Northeast Biomass Heating Expo 2013, Saratoga Springs, NY, April 3-5, 2013.
 704. Assessment of Food Web Structure, Mercury Bioaccumulation and Trophodynamics in Lake Superior, M. Omara, B.S. Crimmins, P.K. Hopke, F.C. Chang, T.M. Holsen, presented to IAGLR's Annual Conference on Great Lakes Research, West Lafayette, IN, June 2-6, 2013.
 705. Non-targeted and Targeted Identification of Emerging Contaminants in Great Lakes Fish and Fish Eggs using GCxGC-TOF Mass Spectrometry, M.S. Milligan, D. Richards, B.S. Crimmins, X. Xia, T.M. Holsen, P.K. Hopke, J.J. Pagano, presented to IAGLR's Annual Conference on Great Lakes Research, West Lafayette, IN, June 2-6, 2013.
 706. Atmospheric Pressure Gas Chromatography Quadrupole Mass Spectrometry: Emerging Contaminant Screening in Great Lakes Trout, B.S. Crimmins, X. Xia, M.S. Milligan, J.J. Pagano, P.K. Hopke, T.M. Holsen, presented to IAGLR's Annual Conference on Great Lakes Research, West Lafayette, IN, June 2-6, 2013.
 707. Emission fluxes of different metals in aerosol emitted during frying-effect of frying pan, P.K. Hopke, M. Amouei Torkmahalleh, D.J. Schamberger, J. Laing, A. Rossner, A.R. Ferro, presented to 2013 Conference Environment and Health – Bridging South, North, East and West, Basel, Switzerland, August 19 to 23, 2013.
 708. Spatial-Temporal Variation of Pollutants in the Near-Road Environment, N. Baldwin,

- P.K. Hopke, S. Batterman, S. Raja, T. Robins, presented to 2013 Conference Environment and Health – Bridging South, North, East and West, Basel, Switzerland, August 19 to 23, 2013.
709. Measurement of Soluble and Total Hexavalent Chromium in Ambient Particulate Matter, New Jersey, L. Huang, C.H. Yu, P.K. Hopke, P.J. Liroy, B.T. Buckley, J. Young Shin, Z. Fan, presented to 2013 Conference Environment and Health – Bridging South, North, East and West, Basel, Switzerland, August 19 to 23, 2013.
 710. Comparison of source apportionment methods in a time-series investigation of source resolved particle mixtures and cardiorespiratory emergency department visits, S. Sarnat, A. Winquist, M. Maier, P.K. Hopke, J. Mulholland, J. Sarnat, P. Tolbert, A. Russell, presented to 2013 Conference Environment and Health – Bridging South, North, East and West, Basel, Switzerland, August 19 to 23, 2013.
 711. Source Identification and Apportionment of Finnish Arctic Aerosols. J.R. Laing, P.K. Hopke, E.F. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, Y. Viisanen, presented to the 2013 European Aerosol Conference, Prague, Czech Republic, September 1-6, 2013.
 712. Forty-Seven Years of MSA Concentrations in the Finnish Arctic, J.R. Laing, P.K. Hopke, E.F. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, Y. Viisanen, presented to the 2013 European Aerosol Conference, Prague, Czech Republic, September 1-6, 2013.
 713. Influence of food surface area on PM_{2.5} and particle number concentration during frying, M. Amouei Torkmahalleh, Y. Zhao, P.K. Hopke, A. Rossner, A.R. Ferro, presented to the 2013 European Aerosol Conference, Prague, Czech Republic, September 1-6, 2013.
 714. A 19m deep well – a downward thermal diffusion cloud chamber?, R. F. Holub, P. K. Hopke, J. Hovorka, P. Otahal, V. Ždimal, presented to the 2013 European Aerosol Conference, Prague, Czech Republic, September 1-6, 2013.
 715. An accurate, real-time and low-cost method to measure biomass smoke. Y. Wang, D.L. Wilson, P.K. Hopke, A.J. Gadgil, presented to the 2013 European Aerosol Conference, Prague, Czech Republic, September 1-6, 2013.
 716. Source apportionment of size resolved particulate matter in European air pollution hot spot, Pokorna, J. Hovorka, P. K. Hopke, presented to the 2013 European Aerosol Conference, Prague, Czech Republic, September 1-6, 2013.
 717. European Intercomparison for Receptor Models Using a Synthetic Database, C. A. Belis, F. Karagulian, F. Amato, M. Almeida, G. Argyropoulos, P. Artaxo, M. C. Bove, D. Cesari, D. Contini, E. Diapouli, K. Eleftheriadis, I. El Haddad, R. M. Harrison, S. Hellebust, E. Jang, H. Jorquera, D. Mooibroek, S.Nava, J. K. Nojgaard, M. Pandolfi, M. G. Perrone, A. Pietrodangelo, G. Pirovano, P. Pokorna, P. Prati, C. Samara, D. Saraga, A. Sfetsos, G. Valli, R. Vecchi, M. Vestenius, E. Yubero, P. K. Hopke, presented to the 2013 European Aerosol Conference, Prague, Czech Republic, September 1-6, 2013.
 718. Elemental composition and source identification of PM_{0.09-0.26} in European air pollution hot-spot, P. Pokorná, J. Hovorka and P.K. Hopke, presented to the 2013 European Aerosol Conference, Prague, Czech Republic, September 1-6, 2013.
 719. Fiber Transport and Deposition in Human Upper Tracheobronchial Airways -- the Effect of Brownian Dynamics. L. Tian, G. Ahmadi, P.K. Hopke, Y.-S. Cheng, presented to the 2013 Annual Meeting of the American Association for Aerosol Research, Portland, OR, September 30 – October 4, 2013.
 720. Is Alaska Truly the Great Escape from Air Pollution? – Long Term Source

- Apportionment of Fine Particulate Matter in Fairbanks, AK. Y. Wang, P.K. Hopke, presented to the 2013 Annual Meeting of the American Association for Aerosol Research, Portland, OR, September 30 – October 4, 2013.
721. Harmonization of Source Apportionment with Receptor Models in Europe. C.A. Belis, P.K. Hopke, presented to the 2013 Annual Meeting of the American Association for Aerosol Research, Portland, OR, September 30 – October 4, 2013.
 722. Spatial Variation of Pollutants in the Near-Road Environment. N. Baldwin, P.K. Hopke, S. Batterman, Suresh Raja, presented to the 2013 Annual Meeting of the American Association for Aerosol Research, Portland, OR, September 30 – October 4, 2013.
 723. Forty-Seven Years of MSA Concentrations in the Finnish Arctic. J.R. Laing, P.K. Hopke, E.F. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, Y. Viisinen, presented to the 2013 Annual Meeting of the American Association for Aerosol Research, Portland, OR, September 30 – October 4, 2013.
 724. Research Progress on Environmental, Health, and Safety Aspects of Engineered Nanomaterials. National Research Council Committee to Develop a Research Strategy for Environmental, Health, and Safety (EHS) Aspects of Engineered Nanomaterials (ENMs), presented by Philip K. Hopke to the 2013 Annual Meeting of the American Association for Aerosol Research, Portland, OR, September 30 – October 4, 2013.
 725. Long-term Trend Analysis of 47 Years of Finnish Arctic Aerosol Composition. J.R. Laing, P.K. Hopke, E.F. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, Y. Viisinen, presented to the 2013 Annual Meeting of the American Association for Aerosol Research, Portland, OR, September 30 – October 4, 2013.
 726. Contaminant Concentrations of Lake Trout: Are They Affected by Changes in Growth as a Function of the Changing Food Web?, Murphy, E.W., Wellenkamp, W., Johnson, J.E., Holsen, T.M., Crimmins, B.S., Hopke, P.K., Pagano, J.J., Milligan, M.S., presented to IAGLR 2014, May 26-30, 2014, Hamilton, ON.
 727. Temporal and Spatial Distributions of Mercury and Trace Metals in Great Lakes Trout, Johnson, T.A., Crimmins, B.S., Holsen, T.M., Laing, J.R., Hopke, P.K., presented to IAGLR 2014, May 26-30, 2014, Hamilton, ON.
 728. Identification of Environmental Degradation Products Potentially Derived from Legacy Pollutants and Emerging Contaminants in Great Lakes Fish Using GCxGC-TOF Mass Spectrometry, Milligan, M.S., Richards, D., Crimmins, B.S., Xia, X., Hopke, P.K., Holsen, T.M., Pagano, J.J., presented to IAGLR 2014, May 26-30, 2014, Hamilton, ON.
 729. Shotgun Screening of Great Lakes Lake Trout using Atmospheric Pressure Gas Chromatography - Quadrupole Time of Flight Mass Spectrometry, Crimmins, B.S., Xia, X., Hopke, P.K., Holsen, T.M., presented to IAGLR 2014, May 26-30, 2014, Hamilton, ON.
 730. Exposure Assessment of Carbon Monoxide From Stored Wood Pellets Using a Kinetic Model for Off-Gassing Emissions. A. Rossner, X. Huang, L. Soto-Garcia, P. Hopke, presented to the American Industrial Hygiene Conference and Exhibition, San Antonio, TX, May 31-June 5, 2014.
 731. An Indoor Air Quality Exposure Assessment Evaluating the Off-Gassing of VOCs From Indoor Bulk Wood Pellet Storage. A. Rossner, W. Ashley, J. Harrington, X. Huang, P.K. Hopke. presented to the American Industrial Hygiene Conference and Exhibition, San

- Antonio, TX, May 31-June 5, 2014.
732. A Novel Approach for Evaluating Performance of Protective Gloves Against Engineered Nanomaterials Under Occupational Use Conditions, P. Jaques, L. Portnoff, T. Rozzi, P. Gao, P. Hopke, K. Wang, D. Schwegler-Berry, B. Chen, M. Dahm, presented to the American Industrial Hygiene Conference and Exhibition, San Antonio, TX, May 31-June 5, 2014.
728. Application of EPA-PMF to Multiple Site Particle Composition Data, M. Kara, P.K. Hopke, Y. Dumanoglu, H. Altiok, T. Elbir, M. Odabasi, A. Bayram, presented to Chemometrics in Analytical Chemistry XIV, Richmond, VA, June 9-13, 2014.
733. Contaminant Concentrations of Lake Trout: Are they affected by changes in growth as a function in the changing food web?, E. Murphy, W. Wellenkamp, J. Johnson, T. Holsen, B. Crimmins, P. Hopke, J. Pagano, M. Milligan, Presented to the 248th ACS National Meeting and Exposition, August 10-14, 2014, San Francisco, CA.
734. Risk of myocardial infarction associated with increased particulate matter concentration: effect modification by air mass back trajectory, D.Q. Rich, M. Utell, F. Ling, M. Frampton, W. Zareba, C. Kane, S. Cameron, P. Kumar, D. Chalupa, P.K. Hopke, presented to the 26th Annual International Society for Environmental Epidemiology Conference - From Local to Global: Advancing Science for Policy in Environmental Health, Seattle, WA, August 24-28, 2014.
735. Variability of Residential Wood Combustion Pollutants in Rochester, NY, N. Baldwin, P.K. Hopke, D.Q. Rich, K. Evans, presented to the 2014 International Aerosol Conference, Busan, Korea, August 28-September 2, 2014.
736. A new methodology for the evaluation of source apportionment models in intercomparison exercises, C. A. Belis, F. Karagulian, B.R. Larsen, M. Gerboles, P.K. Hopke, presented to the 2014 International Aerosol Conference, Busan, Korea, August 28-September 2, 2014.
737. Positive Matrix Factorization analysis of 47-years of Finnish Arctic aerosol composition, J.R. Laing, P.K. Hopke, E.F. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, Y. Viisinen, presented to the 2014 International Aerosol Conference, Busan, Korea, August 28-September 2, 2014.
738. Identification and Apportionment of sources from Air Particulate Matter at Urban Environments in Bangladesh, B.A Begum, M. Nasiruddin, S. Randal, B. Sivertsen, P.K. Hopke, presented to the 2014 International Aerosol Conference, Busan, Korea, August 28-September 2, 2014.
739. Decrease in Atmospheric Black Carbon Concentration in the Finnish Arctic over Five Decades, L. Husain, V.A. Dutkiewicz, A.M. DeJulio, T. Ahmed, J. Laing, P.K. Hopke, R.B. Skeie, Y. Viisanen, J. Paatero, presented to the 2014 International Aerosol Conference, Busan, Korea, August 28-September 2, 2014.
740. Receptor Modeling of Near-Real-Time, Ambient PM_{2.5} and Its Constituents Collected at an Urban-Industrial Site in Toronto, Ontario. U. Sofowote, A. Rastogi, J. Deboz, P.K. Hopke, presented to the 33rd Annual Conference of the American Association for Aerosol Research, Orlando, FL October 20-24, 2014.
741. Positive Matrix Factorization Analysis of 47-years of Finnish Arctic Aerosol Composition. J.R. Laing, P.K. Hopke, E.F. Hopke, L. Husain, V.A. Dutkiewicz, J. Paatero, Y. Viisinen, presented to the 2014 Annual Conference of the American

- Association for Aerosol Research, Orlando, FL October 20-14, 2014.
742. Integrated profiling framework for investigating PAH induced metabolic alterations, D.I. Walker, M.J. Utell, K. Uppal, R.P. Phipps, P.K. Hopke, Xiaoyan Xia, D.P. Jones, T.M. Mallon, presented to the Society for Toxicology, San Diego, CA, March 22–26, 2015.
 743. Metabolomics, Exposure Biomarkers & Health Outcomes: An Exploratory Analysis of Serum Indicators of Occupational and Environmental Exposures to Air Pollutants Associated with Deployment to the Middle East, M.J. Utell, R.P. Phipps, P.K. Hopke, T.H. Thatcher, P.J. Sime, C. Woeller, T. Mallon, presented to 2015 American Occupational Health Conference, Baltimore, MD, May 3-6, 2015.
 744. Identifying Emerging Contaminants in Lake Erie Trout using Atmospheric Pressure GC-QTOF-MS, B.S. Crimmins, M.S. Milligan, X. Xia, J.J. Pagano, P.K. Hopke, T.M. Holsen, presented to 58th IAGLR Conference on Great Lakes Research, Burlington, VT, May 25-29, 2015.
 745. Identification and quantitation of legacy contaminant degradation products in Great Lakes fish, M.S. Milligan, T.W. Coccarelli, B.S. Crimmins, X. Xia, T.M. Holsen, P.K. Hopke, J.J. Pagano, presented to 58th IAGLR Conference on Great Lakes Research, Burlington, VT, May 25-29, 2015.
 746. Shifts in Age of Great Lakes Lake Trout, an interlaboratory comparison, E.W. Murphy, M.W. Landon, W. Wellenkamp, J.J. Pagano, P.C. Downey, T.M. Holsen, B.S. Crimmins, M.S. Milligan, P.K. Hopke, J. He, presented to 58th IAGLR Conference on Great Lakes Research, Burlington, VT, May 25-29, 2015.
 747. Screening Lake Trout for Perfluorinated and Polyfluorinated Compounds Using UPLC-QToF in MSe Mode, S.F. Baygi, B.S. Crimmins, P.K. Hopke, T.M. Holsen, presented to 63rd ASMS Conference on Mass Spectrometry and Allied Topics, St. Louis, MO, May 31 - June 4, 2015.
 748. Application of Positive Matrix Factorization to Characterize the Sources of PM_{2.5} and PM_{2.5-10} at the Obafemi Awolowo University Teaching Hospital, Ile-Ife, Nigeria, K.O. Owoade, F.S. Olise, O.G. Fawole, P.K. Hopke, presented to 2015 AWMA Annual Conference and Exhibition, Raleigh, NC, June 22-25, 2015.
 749. Assessment of source apportionment by Positive Matrix Factorization analysis on fine and coarse particulate matter in industrial areas in Kaduna, a commercial city in Northern Nigeria, S.A. Orogade, D.B. Adie, A. Ismail, C.A. Okuofu, K.O. Owoade, P.K. Hopke, presented to 2015 AWMA Annual Conference and Exhibition, Raleigh, NC, June 22-25, 2015.
 750. Source Apportionment of PM_{2.5} in Beijing during 2012-2013, Y. Wang, P.K. Hopke, Q.I. Ying, X. Li, F. Yang, presented to 2015 AWMA Annual Conference and Exhibition, Raleigh, NC, June 22-25, 2015.
 751. Trends and Toxic Equivalence of PCDD/F and DL-PCBs in Lake Trout from the Great Lakes: 2004-2013, J.J. Pagano, A. Garner, B. Crimmins, T. Holsen, P. Hopke, M. Milligan, X. Xia, presented to the 250th ACS National Meeting & Exposition, Boston, MA, August 16-20, 2015.
 752. Long-term comparison of thermal-optical transmittance elemental carbon and optical black carbon in the Arctic, Y. Zhang, P.K. Hopke, presented to the 2015 European Aerosol Conference, Milan, Italy, September 6-11, 2015.

753. Wood burning as a main source of winter aerosol in residential district in proximity to a large automobile factory in Central Europe, J. Hovorka, P. Pokorná, P.K. Hopke, K.Křůmal, P. Mikuška, M. Píšová, presented to the 2015 European Aerosol Conference, Milan, Italy, September 6-11, 2015.
754. PM and Gaseous Emission Characterization from Residential and Commercial Scale Wood Pellet Boilers, P.K. Hopke, D. Thimmaiah, K. Wang, presented to the 2015 European Aerosol Conference, Milan, Italy, September 6-11, 2015.
755. Long-term Comparison of Thermal-optical Transmittance Elemental Carbon and Optical Black Carbon in the Arctic, P.K. Hopke, Y. Zhang, presented to the 34th Annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 12-16, 2015.
756. Micro-environmental Air Quality Impact of a Biomass Boiler with and without PM Emission Control, Z. Tong, B. Yang, K. Wang, D. Thimmaiah, P.K. Hopke, T. Whitlow, A. Landers, K. M. Zhang, presented to the 34th Annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 12-16, 2015.
757. Emission Characterization of a Large Scale Wood Pellet Combined Heat and Power System, K. Wang, P.K. Hopke, D. Thimmaiah, presented to the 34th Annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 12-16, 2015.
758. A Comparative Controlled Study for the Characterization of PM_{2.5} Emitted during Heating Corn Oil and Ground Beef (PM_{2.5}, OC, EC and Elemental Concentrations), S. Gorjinezhad, M. Amouei Torkmahalleh, H.S. Unluevcek, E. Cihan, B. Tanış, N. Soy, N. Ozaslan, M. Keleş, F. Ozturk, P.K. Hopke, presented to the 34th Annual meeting of the American Association for Aerosol Research, Minneapolis, MN, October 12-16, 2015.
759. Effect of Adding Variables on the Extent of Rotational Ambiguity Using the Displacement Method in Positive Matrix Factorization Solutions, F. Emami, P.K. Hopke, presented to XVI Chemometrics in Analytical Chemistry Conference, Barcelona, Spain, June 6-10, 2016.
760. Non-Parametric Statistics to Assess Exposure to Deployed Military Personnel to PAHs and PCDDs/PCDFs, P.K. Hopke, T.M. Mallon, M.J. Utell, presented to XVI Chemometrics in Analytical Chemistry Conference, Barcelona, Spain, June 6-10, 2016.
761. Identification and quantitation of chloro-methoxy-phenol analogues in Great Lakes fish, M.S. Milligan, T. Coccarelli, E. Doucett, B.S. Crimmins, X. Xia, T.M. Holsen, P.K. Hopke, J.J. Pagano, presented at IAGLR 2016, Guelph, Ontario Canada, June 6-10, 2016.
762. Evaluation of Emerging Contaminants in Great Lakes Fish using GCxGC-HRT, S. Fernando, B.S. Crimmins, T.M. Holsen, P.K. Hopke, presented at IAGLR 2016, Guelph, Ontario Canada, June 6-10, 2016.
763. Chemical Discovery: Polyfluorinated Compounds in Lake Michigan Trout, S. Fakouri Baygi, B.S. Crimmins, P.K. Hopke, T.M. Holsen, presented at IAGLR 2016, Guelph, Ontario Canada, June 6-10, 2016.
764. Assessment of low-cost PM monitors for in-home wood smoke exposure study, A. Manikonda, N. Zikova, P. Hopke, A. R. Ferro, presented at Indoor Air 2016, Ghent, Belgium, July 3-8, 2016.
765. Quantifying trace elements in the emitted particulate matter during cooking using an electric stove, S. Gorjinezhad, A. Kerimray, M. Amouei Torkmahalleh, M. Keles, F. Ozturk, P. Hopke, presented to 22nd European Aerosol Conference, Tours, France,

- September 4-9, 2016.
766. Local and external sources of sulfate, primary and secondary organic aerosol and submicron particles at urban sites in New York City and Long Island, M. Masiol, P. Hopke, D. Felton, B. Frank, O. Rattigan, presented to 22nd European Aerosol Conference, Tours, France, September 4-9, 2016.
 767. Comparison of Rochester aerosol sources at two periods of time using combined size distribution and air pollutant data, F. Emami, P. Hopke, D. Chalupa, D. Rich, presented to 22nd European Aerosol Conference, Tours, France, September 4-9, 2016.
 768. Spatially and temporally detailed indoor and outdoor woodsmoke detection, N. Zikova, P. Hopke, D. Chalupa, D. Rich, A. Ferro, presented to 22nd European Aerosol Conference, Tours, France, September 4-9, 2016.
 769. Receptor modelling for multiple time resolved species: European air pollution hot spot, P. Pokorna, J. Hovorka, J. Topinka, Y. Zhao, P. Hopke, presented to 22nd European Aerosol Conference, Tours, France, September 4-9, 2016.
 770. Effects of local emissions on urban visibility measured with a mobile airship monitoring platform, J. Hovorka, N. Kuzelova, J. Bendl, M. Klan, C. Leoni, O. F. Bischof, P. K. Hopke, presented to Atmospheric Optics: Aerosols, Visibility, and the Radiative Balance, Jackson Hole, WY, September 27-30, 2016.
 771. Characteristics of absorbing aerosols during winter foggy period over the National Capital Region of Delhi: Impact of planetary boundary layer dynamics and solar radiation flux, S. Tyagi, A. Mishra, S. Tiwari, S. Singh, P.K. Hopke, S.D. Attri, presented to Atmospheric Optics: Aerosols, Visibility, and the Radiative Balance, Jackson Hole, WY, September 27-30, 2016.
 772. Exposure to Indoor Wood Smoke as Measured by Low-cost Air Quality Monitor, N. Zikova, T. Twomey, P.K. Hopke, D.C. Chalupa, D.Q. Rich, and A.R. Ferro, presented to 2016 Annual ISES Meeting, Utrecht, the Netherlands, October 9-13, 2016.
 773. Airborne dioxins, furans and polycyclic aromatic hydrocarbons exposure to military personnel in Iraq, M. Masiol, T. Mallon, K.M. Haines, Jr., M.J. Utell, and P.K. Hopke, presented to 2016 Annual ISES Meeting, Utrecht, the Netherlands, October 9-13, 2016.
 774. The Air Pollution at Rochester: Long-Term Trends. F. Emami, M. Masiol, A. Ommi, P. K. Hopke, presented to the AAAR 35th Annual Conference, Portland, OR, October 17-21, 2016.
 775. Chemical Composition Analysis of Wood Pellets. M. Rahman, P. K. Hopke, L. Rector, G. Allen, presented to the AAAR 35th Annual Conference, Portland, OR, October 17-21, 2016.
 776. Source Apportionment of Time and Size Resolved Ambient Particulate Matter Measured with a Drum Impactor at a European Air Pollution Hot Spot. P. Pokorná, J. Hovorka, Y. Zhao, S. Cliff, P. Paatero, P. K. Hopke, presented to the AAAR 35th Annual Conference, Portland, OR, October 17-21, 2016.
 777. Source Apportionment of PM_{2.5} in New York City: Chemical Speciated Mass Concentration vs. Particle Number Concentration. M. Masiol, P. K. Hopke, H. D. Felton, B. P. Frank, O. Rattigan, M. Wurth, G. H. LaDuke, presented to the AAAR 35th Annual Conference, Portland, OR, October 17-21, 2016.
 778. Wood Smoke Exposure as Measured by Low-cost Air Quality Monitors. N. Zikova, T.

- Twomey, P. K. Hopke, D. C. Chalupa, D.Q. Rich, A. R. Ferro, presented to the AAAR 35th Annual Conference, Portland, OR, October 17-21, 2016.
779. Evaluation and Process Dynamic Simulation of Residential Wood Pellet Heating System. K. Wang, P.K. Hopke, M.A. Satyo, presented to the 2016 AIChE Annual Conference, San Francisco, CA, November 13-18, 2016.
780. Air Toxic Emissions from Open Burning of Crop Residues in Southeast Asia, N.T. Kim Oanh, D.A. Permadi, P.K. Hopke, K. Smith, N. Danh Ahn, presented to the 2016 fall meeting of the American Geophysical Union, San Francisco, CA, December 12-16, 2016.
781. Application of chemometric analysis to exposure data to better determine burn pit exposures, F. Emami, P. K. Hopke, M. J. Utell, and T. Mallon, presented to American Occupational Health Conference, Denver, CO, April 24-26, 2017.
782. Comprehensive Emerging Chemical Discovery: Aromatic Chlorinated and Brominated Compounds in Lake Ontario, S. Fakouri Baygi, S. Fernando, B.S. Crimmins, P.K. Hopke, T.M. Holsen, presented to 60th Annual Conference on Great Lakes Research, Detroit, MI, May 15-19, 2017.
783. Targeted Analysis of Emerging Contaminants in Great Lakes fish using GC/MS/MS Methodologies. M.S. Milligan, E. Doucett, S. Fernando, B.S. Crimmins, T.M. Holsen, P.K. Hopke, J.J. Pagano, presented to 60th Annual Conference on Great Lakes Research, Detroit, MI, May 15-19, 2017.
784. Mercury temporal trends in top predator fish of the Laurentian Great Lakes from 2004 to 2015, C.L. Zhou, H.A. Zhou, T.A. Johnson, B.S. Crimmins, P.K. Hopke, M. Cohen, T.M. Holsen, presented to 60th Annual Conference on Great Lakes Research, Detroit, MI, May 15-19, 2017.
785. Atmospheric Mercury Temporal Trends Downwind of the Great Lake from 1992 to 2014, H.A. Zhou, C.L. Zhou, M.M. Lynam, J.T., Dvonch, J.A. Barres, P.K. Hopke, M. Cohen, T.M. Holsen, presented to 60th Annual Conference on Great Lakes Research, Detroit, MI, May 15-19, 2017.
786. Current advances and problems in vapor-gas nucleation theory and experiments, M.P. Anisimov, P.K. Hopke, Presented to the 2017 International Conference on Nucleation and Atmospheric Aerosols, Helsinki, Finland, June 25-30, 2017.
787. Impact Of Phase Transitions in Condensed Phases on the Geometry of Vapor Nucleation Rate Surfaces, M.P. Anisimov, V.I. Kosyakov, P.K. Hopke, Presented to the 2017 International Conference on Nucleation and Atmospheric Aerosols, Helsinki, Finland, June 25-30, 2017.
788. New Vapor Embryos Nucleation Rate on a Droplet Surface in a Dry Gas Flow, M.P. Anisimov, V.I. Terekhov, P.K. Hopke, N.E. Shishkin, Presented to the 2017 International Conference on Nucleation and Atmospheric Aerosols, Helsinki, Finland, June 25-30, 2017.
789. New Trends in the Nucleation Research, M.P. Anisimov, P.K. Hopke, presented to VI International Seminar with elements of scientific school for young scientists (ISHM-VI), Novosibirsk, Russia, July 27-28, 2017.
790. Aerosol source apportionment in a European air pollution hot spot with both aerosol chemical composition and number size distribution, C. Leoni, P. Pokorná, M. Masiol, J. Hovorka, K. Krupal, Y Zhao, S. Cliff, P.K. Hopke, presented to the European Aerosol Conference 2017, Zurich, Switzerland, August 27-September 1, 2017.

791. Hourly land-use regression model using data collected with low-cost PM monitors, M. Masiol, N. Zíková, A.R. Ferro, P.K. Hopke, D.C. Chalupa, D.Q. Rich, presented to the European Aerosol Conference 2017, Zurich, Switzerland, August 27-September 1, 2017.
792. Multivariate Analysis of Upwind SO₂ Emission Influences on Air Pollution in Rochester, NY, F. Emami, M. Masiol, P.K. Hopke, presented to the European Aerosol Conference 2017, Zurich, Switzerland, August 27-September 1, 2017.
793. The liquid phase aerosol particle evaporation under the dry gas flow, M.P. Anisimov, V.I. Terekhov, P.K. Hopke, N.E. Shishkin, presented to the European Aerosol Conference 2017, Zurich, Switzerland, August 27-September 1, 2017.
794. Low Temperature Chemistry of Biomass Burning Markers, V. Pratap, A. Kiran Srikakulapu, Q. Bian, J. R. Pierce, P.K. Hopke, S. Nakao, presented to 36th Annual Conference, American Association for Aerosol Research, Raleigh, NC, October 16-20, 2017.
795. Temperature Dependence of Vapor Wall Deposition: A Case Study with Levoglucosan, A. K. Srikakulapu, V. Pratap, Q. Bian, J. R. Pierce, P. K Hopke, S. Nakao, presented to 36th Annual Conference, American Association for Aerosol Research, Raleigh, NC, October 16-20, 2017.
796. Regional Nucleation Events and Sources of Submicron Particles in Rochester (NY). M. Masiol, S. Squizzato, D. C. Chalupa, D. Rich, P.K. Hopke, presented to 36th Annual Conference, American Association for Aerosol Research, Raleigh, NC, October 16-20, 2017.
797. Changes in PM_{2.5} Sources across New York State during 2005-2015, S. Squizzato, M. Masiol, P. K. Hopke, D. Rich, presented to 36th Annual Conference, American Association for Aerosol Research, Raleigh, NC, October 16-20, 2017.
798. Predicting the Spatial Variability of PM in Urban Areas with Low-Cost Monitors and Land Use Regression Modelling, M. Masiol, N. Zikova, G. Satsangi, P. K Hopke, D. C. Chalupa, D. Rich, A. R. Ferro, presented to 36th Annual Conference, American Association for Aerosol Research, Raleigh, NC, October 16-20, 2017.
799. Wood Pellet Boiler Heating Systems Evaluation and Optimization, K.Wang and P.K. Hopke, presented to 2017 AIChE Annual Meeting, Minneapolis, MN, October 30 to November 2, 2017.
800. Seasonal Variations and Possible Sources of Atmospheric HULIS in Urban Beijing, China. X. Li, J. Han, Q. Chang, P. K. Hopke, presented to 36th Annual Conference, American Association for Aerosol Research, Raleigh, NC, October 16-20, 2017.
801. Assessing the impacts of changes in sources on air pollution in Rochester, NY from 2008 to 2013, F. Emami, P.K. Hopke, presented to 255th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, New Orleans, LA, March 18-22, 2018
802. The Impact of Air Pollution Regulations on the Incidence of Hospitalizations and Emergency Department Visits for Respiratory Infections in New York State, D. Croft, W. Zhang, S. Lin, S.W. Thurston, P.K Hopke, M. Masiol, S. Squizzato, E. van Wijngaarden, D.Q. Rich, presented to the 2018 ATS International Conference, San Diego, CA, May 18-23, 2018.
803. Differential probability functions for investigating long-term changes in local and

- regional air pollution sources, M. Masiol, S. Squizzato, M.-D. Cheng, D. Q. Rich, P. K. Hopke, presented to Chemometrics in Analytical Chemistry – 2018, Halifax, NS, Canada, June 25-29, 2018.
804. Characterizing indoor-outdoor PM relationships using low cost monitors during two heating seasons in Rochester, New York, G.P. Satsangi, M. Masiol, N. Zikova, D. Chalupa, D. Rich, P.K. Hopke, A.R. Ferro, presented to Indoor Air 2018, Philadelphia, PA, July 22-27, 2018.
 805. Triggering of ST-Elevation Myocardial Infarction by Particulate Air Pollution Concentrations in Monroe County, New York - Before, during, and after Multiple Air Quality Interventions and Policies: The Rochester Accountability Study, M. Wang, M. Masiol, P.K. Hopke, S. Thurston, S.J. Cameron, F. Ling, S. Squizzato, K. Thevenet-Morrison, M.J. Utell, D. Chalupa, D. Q. Rich, presented to 2018 ISES-ISEE Joint Annual Meeting, Ottawa, Canada, August 26-30, 2018.
 806. Source specific air pollution's link to hospitalizations and emergency department visits for influenza and bacterial pneumonia in Adults. The New York State Accountability Study, D. Croft, W. Zhang, S. Lin, S.W. Thurston, P.K Hopke, M. Masiol, S. Squizzato, E. van Wijngaarden, D.Q Rich, presented to 2018 ISES-ISEE Joint Annual Meeting, Ottawa, Canada, August 26-30, 2018.
 807. Do ambient air pollutant concentrations during pregnancy impact birth weight among women living in Monroe County, New York? The Rochester Accountability Study, R. Li, S. Thurston, P.K. Hopke, A. Dozier, K. Thevenet-Morrison, E. van Wijngaarden, D. Croft, M. Masiol, S. Squizzato, D.Q. Rich, presented to 2018 ISES-ISEE Joint Annual Meeting, Ottawa, Canada, August 26-30, 2018.
 808. Ambient Wintertime Particulate Air Pollution and the Risk of Hypertensive Disorders of Pregnancy in Monroe County, NY, V. Assibey-Mensah, C.J. Glantz, P.K. Hopke, T.A. Jusko, K. Thevenet-Morrison, D. Chalupa, D.Q. Rich, presented to 2018 ISES-ISEE Joint Annual Meeting, Ottawa, Canada, August 26-30, 2018.
 809. Triggering of Neurodegenerative Hospital Admissions and Emergency Room Visits by Fine Particle Concentrations in Six Urban Centers in New York State: The New York State Accountability Study, E. van Wijngaarden, W. Zhang, S. Lin, P. Hopke, S. Thurston, D. Croft, S. Squizzato, M. Masiol, D. Rich, presented to 2018 ISES-ISEE Joint Annual Meeting, Ottawa, Canada, August 26-30, 2018.
 810. Associations between source-specific ambient fine particulate matter and incidence of respiratory infection in children: A ten-year time series analysis in urban Dhaka, Bangladesh, A. Sherris, D. Goswami, B.A. Begum, S. Luby, P.K. Hopke, presented to 2018 ISES-ISEE Joint Annual Meeting, Ottawa, Canada, August 26-30, 2018.
 811. Does the Association between Cardiovascular Hospital Admissions and Fine Particle Concentrations Change before, during, and after Implementation of Multiple Environmental Policies? The New York State Accountability Study, W. Zhang, S. Lin, P.K. Hopke, S. Thurston, E. van Wijngaarden, D. Croft, S. Squizzato, M. Masiol, D. Q. Rich, presented to 2018 ISES-ISEE Joint Annual Meeting, Ottawa, Canada, August 26-30, 2018.
 812. Low-cost Particulate Matter Sensors: Developing, Piloting and Disseminating Appropriate Educational Resources to Support Community Use. S. Squizzato, K.S. Korfmacher, C. Fallone, K. Gray, D. Haine, J. Prochaska, D. Hernandez, P. Shephard,

- P.K. Hopke, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
813. PM_{2.5} and its Chemical Composition in Sixteen Cities in Indonesia. M. Santoso, D. Lestiani, S. Kurniawati, E. Damastuti, I. Kusmartini, D. Prakoso, D. K. Sari, P. K. Hopke, R. Mukhtar et al., presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 814. Using Commercially Available Low-Cost Monitors to Estimate the Hourly Spatial Variability of Particulate Matter Concentrations across a Metropolitan Area. M. Masiol, S. Squizzato, D.C. Chalupa, A.R. Ferro, D.Q. Rich, P.K. Hopke, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 815. Source Apportionment of Absorbing Aerosols (Soot Particles) in Delhi, India during a Highly Polluted Period (Wintertime). S. Tiwari, R.K. Chakrabarty, U.C. Dumka, A.K. Srivastava, D.S. Bisht, P.K. Hopke, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 816. Assessing the PM_{2.5} Imbalance between a Far and Near-Road Location: High Temporal Frequency Source Apportionment and the Role of Black Carbon. U. Sofowote, R. Healy, Y. Su, J. Debosz, M. Noble, A. Munoz, C. H. Jeong, J.M. Wang, N. Hilker, G.J. Evans, P. K. Hopke, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 817. An Improved Approach to Resolve Sources of Organic Aerosol by Combining Offline and Online Ambient Measurements. D. Srivastava, O. Favez, J.-E. Petit, Y. Zhang, U. Sofowote, P.K. Hopke, N. Bonnaire, E. Perraudin, V. Gros, E. Villenave, A. Albinet, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 818. Impact of Environmental Policies and the Economy on Changes in Criteria Air pollutants Concentrations and Particulate Matter Compositions in New York State during 2005-2016. S. Squizzato, M. Masiol, D.Q. Rich, P. K. Hopke, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 819. Residential PM Measured in 50 Homes Using Low-cost Monitors over Two Heating Seasons in Rochester, NY. G. Satsangi, M. Masiol, N. Zíková, D. C. Chalupa, D.Q. Rich, P.K. Hopke, A. R. Ferro, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 820. Ambient Air Quality in Dhaka Bangladesh over Two Decades: Impacts of Policy on Air Quality. Bilkis Begum, P.K. Hopke, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 821. Long-Term, Continuous Aethelometer Monitoring Data Reveal Unexpected Black Carbon and Brown Carbon Sources. K. M. Zhang, G. Allen, P.K. Hopke, J. Schwab, O. Rattigan, H. D. Felton, presented to the 10th International Aerosol Conference, St. Louis, MO, September 2-7, 2018.
 822. Acute Associations of Respiratory Hospital Visits and Admissions with Fine Particulate Matter Mass, Constituents, and Gaseous Pollutants with in Dhaka, Bangladesh, M.M. Rahman, B.A. Begum, P.K. Hopke, G.D. Thurston, presented to the 2019 American Thoracic Society International Conference, Dallas, TX, May 17-22, 2019.
 823. Risk of Influenza and Respiratory Syncytial Virus Infection Associated with Particulate

- Air Pollution: An Adult Case-Control Study, D. Croft, D.Q. Rich, P.K. Hopke, K.Thevenet-Morrison, S.W. Thurston, S.N. Georas, P.J. Sime, M.J.Utell, A. Falsey, presented to the 2019 American Thoracic Society International Conference, Dallas, TX, May 17-22, 2019.
824. Discovery of Emerging Halogenated Contaminants of Concern in Great Lakes Lake Trout, S.F. Baygi, S. Fernando, P. Hopke, T. Holsen, B. Crimmins, presented to International Association for Great Lakes Research, 62nd Annual Conference on Great Lakes Research, Brockport, NY, June 11-14, 2019.
 825. The Use of GC×GC-HR-ToF MS for the Identification of Novel Halogenated Compounds in Great Lakes fish, A. Regaguli, S. Fernando, B. Crimmins, P. Hopke, T. Holsen, presented to International Association for Great Lakes Research, 62nd Annual Conference on Great Lakes Research, Brockport, NY, June 11-14, 2019.
 826. Ambient Air Quality in Urban Areas of Indonesia. M. Santoso, D. Lestiani, S. Kurniawati, E. Damastuti, D. Prakoso, I. Kusmartini, R. Mukhtar, P. K. Hopke, presented to the AAAR 37th Annual Conference, Portland, OR, October 15-18, 2009.
 827. Temporal Changes in the Per Unit Mass Toxicity of Ambient PM_{2.5} in New York State. P.K. Hopke, D. Croft, W. Zhang, S. Lin, M. Masiol, S. Squizzato, S. Thurston, E. van Wijngaaten, M. Utell, D. Q. Rich, presented to the AAAR 37th Annual Conference, Portland, OR, October 15-18, 2009.
 828. Air Quality in Canadian Port Cities: Regulation of Large Vessels to Low-Sulfur Marine Fuel in the North American Emissions Control Area (NA ECA). A. Anastasopolos, U. Sofowote, P.K. Hopke, M. Rouleau, T. Shin, R. Kulka, P. –M. Farrah, M. Gibson, presented to the AAAR 37th Annual Conference, Portland, OR, October 15-18, 2009.
 829. Air Quality in Canadian Port Cities: Regulation of Large Vessels to Low-Sulfur Marine Fuel in the North American Emissions Control Area (NA ECA). A. Anastasopolos, U. Sofowote, P.K. Hopke, M. Rouleau, T. Shin, R. Kulka, P. –M. Farrah, M. Gibson, presented to AWMA Conference on Freight & Environment: Ports of Entry, Newark, NJ, October 23-24, 2019.
 830. Acute Effects of Ambient Fine Particle Air Pollution and its Constituents on Cardiovascular Emergency Department Visits, Hospitalizations, and Mortality in Dhaka, Bangladesh, Md. M. Rahman, B.A. Begum, P.K.Hopke, G. Thurston, presented to APHA 2019 Annual Meeting and Expo, Philadelphia, PA, November 2-6, 2019.
 831. Comparison of Computationally Enhanced Non-Targeted Screening Tools: Isotopic Profile Deconvoluted Chromatogram (IPDC) Algorithm and HaloSeeker 1.0, S. Fakouri Baygi, S. Hutinet, R. Cariou, S. Fernando, P.K. Hopke, T.M. Holsen, B.S. Crimmins, presented to ASMS Conference on Mass Spectrometry and Allied Topics. June 1-12, 2020, virtual conference.
 832. Air Quality in Canadian Port Cities: Regulation of Large Vessels to Low-Sulphur Marine Fuel in the North American Emissions Control Area (NA ECA), A.T. Anastasopolos, U. Sofowote, P. K. Hopke, M. Rouleau, T. Shin, R. Kulka, M. Gibson, presented to European Aerosol Conference, August 31, 2020 – September 4, 2020, virtual conference.
 833. Organic aerosol source apportionment combining off-line and on-line measurements: Intensive summer campaign at a rural background site in Central Europe, P. Pokorná, R. Lhotka, J. Schwarz, P. Vodička, S. Mbengue, A. Holubová Šmejkalová, O. Makeš, N.

- Zíková, Y. Zhao, J.-E. Petit, S. Cliff, P.K. Hopke, V. Ždímal, presented to European Aerosol Conference, August 31, 2020 – September 4, 2020, virtual conference.
834. Dispersion Normalized PMF Provides Insights into the Significant Changes in Source Contributions to Atmospheric Particulate Matter after the COVID-19 Outbreak. Q. Dai, Y. Feng, P. K. Hopke, presented to the 38th Annual Conference of the American Association for Aerosol Science, October 5 -9, 2020, virtual conference.
835. Long-term Observations of Submicron Atmospheric Aerosol Concentrations - Effect of Legislative Regulations and Economic Transformations. N. Zíková, P. Pokorná, Z. Wagner, J. Ondráček, P. K. Hopke, presented to the 38th Annual Conference of the American Association for Aerosol Science, October 5-9, 2020, virtual conference.
836. Monitoring of air pollution in and near a natural museum in Sri Lanka, L. Handagiripathira, S. Seneviratne, V.A. Waduge, D. Bandara, P. K. Hopke, presented to 5th International Conference on Mountains in a Changing World, Kathmandu, Nepal, October 8-10, 2020.
837. Insights on multi-time resolution PMF: testing different time resolutionos and uncertainty weight, M. Via, J. Yus-Díez, F. Canonaco, A. Alastuey, J.-E. Petit, P. Hopke, C. Reche, M. Pandolfi, X. Querol, M.C. Minguillón, presented to the 2021 European Aerosol Conference, August 30 to September 3, 2021.
838. Global Air Quality and COVID-19 Pandemic: Do We Breathe Cleaner Air? M.A. Torkmahalleh, Z. Akhmetvaliyeva, F. Darvish Omran, A. Darvishi Omran, M. Kazemitabar, M. Naseri, M. Naseri, H. Sharifi, M. Malekipirbazari, E. K. Adotey, S. Gorjinezhad, N. Eghtesadi1, S. Sabanov, A. Alastuey, M. de Fátima Andrade, G. Buonanno, S. Carbone, D. E. Cárdenas-Fuentes, F.R. Cassee, Q. Dai, A. Henríquez, P.K. Hopke, P. Keronen, H.A. Khwaja, J. Kim, M. Kulmala, P. Kumar, J. Kushta, J. Kuula, J. Massagué, T. Mitchell, D. Mooibroek, L. Morawska, J.V. Niemi, S.H. Ngagine, M. Norman, B. Oyama, P. Oyola, F. Öztürk, T. Petäjä, X. Querol, Y. Rashidi, F. Reyes, M. Ross-Jones, T. Salthammer, C. Savvides, L. Stabile, K. Sjöberg, K. Söderlund, R. Sunder Raman, H. Timonen, M. Umezawa, M. Viana, S. Xie, presented to the 2021 European Aerosol Conference, August 30 to September 3, 2021.
839. Characterization of Black Carbon Aerosol in Palangka Raya, M. Santoso, E. Damastuti, D.D. Lestiani, S. Kurniawati, I. Kusmartini, D. Prakoso, D. K. Sari, P.K. Hopke, A. Riadi, presented to A&WMA Atmospheric Optics: Aerosols, Visibility, and the Radiative Balance Conference, Bryce Canyon, UT, October 5-8, 2021.
840. Light Absorption Properties of Organic Aerosol from Wood Pyrolysis: Measurement Method Comparison and Radiative Implications, X. Li, M. Xiao, K. Yang, Z. Wang, X. Xu, J. Zhou, W. Zhang, W. Zhao, P.K. Hopke, presented to A&WMA Atmospheric Optics: Aerosols, Visibility, and the Radiative Balance Conference, Bryce Canyon, UT, October 5-8, 2021.
841. Quantifying Black Carbon Particles in Human Placentae, A. Sanko, Y. Gao, V. Dahm, B. Chinni, T. Love, D. Q. Rich, E. Barrett, R.K. Miller, P. K. Hopke, T.G. O'Connor, J. Brunner, C.M. Salafia, R. Shah, J. Zhang, Hyagriv Simhan, presented to A&WMA Atmospheric Optics: Aerosols, Visibility, and the Radiative Balance Conference, Bryce Canyon, UT, October 5-8, 2021.
842. Dynamics, composition and origin of submicron atmospheric aerosol measured at

- suburban and traffic site in Prague, Czech Republic. P. Pokorná, N. Zíková, P. Vodička, J. Ondráček, J. Schwarz, P. K. Hopke, Presented to the 39th Annual Conference of the American Association for Aerosol Science, October 18 -22, 2021, virtual conference.
843. Trends of Submicron Atmospheric Aerosol Number Concentrations - Effect of Legislative Regulations and Economic Transformations. N. Zíková, P. Pokorná, Z. Wagner, J. Ondráček, P.K. Hopke, Presented to the 39th Annual Conference of the American Association for Aerosol Science, October 18 -22, 2021, virtual conference.
 844. Intra-city factors obtained from dispersion-normalized multi-time resolution factor analyses of PM_{2.5} from an urban environment. U. M. Sofowote, R. M. Healy, Y. Su, J. Debosz, M. Noble, A. Munoz, C-H. Jeong, J.M. Wang, N. Hilker, G.J. Evans, J. R. Brook, G. Lu, P.K. Hopke, Presented to the 39th Annual Conference of the American Association for Aerosol Science, October 18 -22, 2021, virtual conference.
 845. Assessing the Impact of Industrial Activities on Ambient Air Particulate Matter in East Java, Indonesia. M. Santoso, P.K Hopke, D.D. Lestiani, E. Damastuti, S. Kurniawati, D. A. Permadi, A.D. Syafei, Presented to the 39th Annual Conference of the American Association for Aerosol Science, October 18 -22, 2021, virtual conference.
 846. Separating trends in emissions relative to dispersion using dispersion normalized trend analysis, P.K. Hopke, Y. Chen, D.Q. Rich, presented to 2022 International Aerosol Conference, Athens, Greece, September 4 – 9, 2022.
 847. Dynamics, composition, and origin of submicron atmospheric aerosol at suburban and traffic site in Prague, Czech Republic, P. Pokorná, N. Zíková, P. Vodička, R. Lhotka, J. Ondráček, J. Schwarz, P. Hopke, presented to 2022 International Aerosol Conference, Athens, Greece, September 4 – 9, 2022.
 848. Pan-Arctic seasonal cycles and long-term trends of aerosol properties from ten observatories, J. Schmale, S. Sharma, S. Decesari, J. Pernov, A. Massling, H.C. Hansson, K. von Salzen, H. Skov, E. Andrews, P. Quinn, L. Upchurch, K. Eleftheriadis, R. Traversi, S. Gilardoni, M. Mazzola, J. Laing, P.K. Hopke, presented to 2022 International Aerosol Conference, Athens, Greece, September 4 – 9, 2022.
 849. Triggering of cardiovascular hospitalization by short-term increases in PM_{2.5} in New York adults: changes following Tier 3 vehicle introduction, X. Deng, S. Lin, P.K. Hopke, S.W. Thurston, M. Utell, Y.Chen, C. Yount, D.Q. Rich, presented to the 2022 Annual Meeting of the International Society for Environmental Epidemiology, Athens, September 18-22, 2022.
 850. Triggering of ST-elevation myocardial infarction by ultrafine particles in New York changes following Tier 3 vehicle introduction, C.S. Yount, P.K. Hopke, M. Utell, S.W. Thurston, F. Ling, Y. Chen, D. Chalupa, S. Lin, X. Deng, D.Q. Rich, presented to the 2022 Annual Meeting of the International Society for Environmental Epidemiology, Athens, September 18-22, 2022.
 851. Generating High Spatial Resolution Exposure Estimates from Coarse Regulatory Monitoring Data, Y. Ge, Z. Yang, P.K. Hopke, A.A. Presto, M. Wang, Y. Lin, D.Q. Rich, J. (Jim) Zhang, presented to the 2022 Annual Meeting of the International Society for Exposure Science, Lisbon, Portugal, September 25-29, 2022.
 852. The Creation and Evolution of Aerosol Science and Technology. Philip K. Hopke, presented to 40th Annual Conference of the American Association for Aerosol Science, Raleigh, NY, October 3-7, 2022.

- 853. Long-Term Trends of Ambient PM: Concurrent Effects of Emissions and Dispersion. Y. Chen, D. Q. Rich, P. K. Hopke, presented to 40th Annual Conference of the American Association for Aerosol Science, Raleigh, NY, October 3-7, 2022.
- 854. Issues with the OC and EC Fraction Data in Recent CSN Data. P.K. Hopke, Y. Chen, D. Q. Rich, J. Chow, presented to 40th Annual Conference of the American Association for Aerosol Science, Raleigh, NY, October 3-7, 2022.
- 855. Source Apportionment of PM_{2.5} in Seoul, South Korea and Beijing, China Using Dispersion Normalized PMF. J. Park, H. Kim, Y. Kim, J. Heo, S. -W. Kim, K.H. Jeon, S. -M Yi, P. K. Hopke, presented to 40th Annual Conference of the American Association for Aerosol Science, Raleigh, NY, October 3-7, 2022.
- 856. Tropical Air Chemistry in Lagos, Nigeria. A. Odu-Onikosi, P. Herckes, M. Fraser, P.K. Hopke, J. Ondov, P. Solomon, O. Popoola, G. Hidy, presented to 40th Annual Conference of the American Association for Aerosol Science, Raleigh, NY, October 3-7, 2022.

Dr. Hopke has directed 57 Master of Science and 37 Doctor of Philosophy theses. He has authored and coauthored numerous technical reports.