Stanford



Lynn Hildemann

Wayne Loel Professor of Sustainability

Civil and Environmental Engineering

Bio

BIO

Lynn Hildemann's current research areas include the sources and dispersion of airborne particulate matter indoors, and assessment of human exposure to air pollutants.

Prof. Hildemann received BS, MS, and PhD degrees in environmental engineering science from the California Institute of Technology. She is an author on >100 peer-reviewed publications, including two with over 1000 citations each, and another 6 with over 500 citations each. She has been honored with Young Investigator Awards from NSF and ONR, the Kenneth T. Whitby Award from the AAAR (1998), and Stanford's Gores Award for Teaching Excellence (2013); she also was a co-recipient of Atmospheric Environment’s Haagen-Smit Outstanding Paper Award (2001).

She has served on advisory committees for the Bay Area Air Quality Management District and for the California Air Resources Board. She has been an Associate Editor for Environmental Science & Technology, and Aerosol Science and Technology, and has served on the advisory board for the journal Environmental Science & Technology.

At Stanford, Prof. Hildemann has been chair of the Department of Civil & Environmental Engineering, and served as an elected member of the Faculty Senate. She has chaired the School of Engineering Library Committee, the University Committee on Judicial Affairs, and the University Breadth Governance Board.

ACADEMIC APPOINTMENTS

- Professor, Civil and Environmental Engineering
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Affiliate, Stanford Woods Institute for the Environment

ADMINISTRATIVE APPOINTMENTS

- Sr. Associate Vice Provost, for Undergraduate Education, (2022-2025)
- Sr. Associate Dean of Education, Stanford Doerr School of Sustainability, (2022-2025)
- Department Chair, Civil & Environmental Engineering, (2016-2021)

HONORS AND AWARDS

- Gerhard Casper University Fellow in Undergraduate Education, Stanford University (2021 - present)

- Gores Award for Excellence in Teaching, Stanford University (2013)
- Mentoring Excellence Award, Stanford Chapter, Society of Women Engineers (2010)
- Haagen-Smit Outstanding Paper Award, Atmospheric Environment (2001)
- Kenneth T. Whitby Award, American Association for Aerosol Research (1998)
- Young Investigator Award, Office of Naval Research (1994)
- Presidential Young Investigator, National Science Foundation (1991)

LINKS

- Exposure to Secondhand Smoke in California Casinos - Video: http://www.youtube.com/watch?v=5Zu1w1nUwaI
- Exposure to Secondhand Smoke in California Casinos - Press Release: http://news.stanford.edu/pr/2010/pr-casino-secondhand-smoke-021710.html
- "What Pollutants Are Lurking in our Indoor Spaces?" -- radio interview: https://soundcloud.com/user-458541487/the-health-risks-of-indoor-pollution-with-guest-lynn-hildemann?in=user-458541487/sets/the-future-of-everything-with
- Effects of Gender on Exposure to Indoor Air Pollutants -- Video: https://www.youtube.com/watch?v=T6FcXcGESZ4
- Effects of Gender on Exposure to Indoor Air Pollutants -- Press Release: http://gender.stanford.edu/news/2011/indoor-air-may-be-hazardous-women%E2%80%99s-health
- Why Should Students Bother to Come to Class? -- Award-Winning Teachers on Teaching seminar series: https://www.youtube.com/watch?v=v92pUxNlP3Y

Teaching

COURSES

2026-27

- Air Pollution Fundamentals: CEE 278A (Win)
- Indoor Air Quality and Human Health: CEE 172A, CEE 278C (Win)

2025-26

- Air Pollution Fundamentals: CEE 278A (Win)

2024-25

- Introduction to Environmental Systems Engineering: CEE 1 (Spr)

2023-24

- Introduction to Environmental Systems Engineering: CEE 1 (Spr)

STANFORD ADVISEES

Master's Program Advisor

Beth Larsen, Valentin Mann, Arannya Roy, Arham Shah

Publications

PUBLICATIONS

- **Identifying indoor aerosol sources using PurpleAir data: A neural network application for source recognition of air pollution** *MACHINE LEARNING WITH APPLICATIONS*
  Cheng, K., Lara-Jacobo, L., Tseng, C., Hildemann, L. M.
  2026; 24
- **PM2.5 exposure to marijuana smoke on golf courses and other public outdoor locations: A pilot observational study.** *The Science of the total environment*
  Cheng, K., Huang, G., Hildemann, L. M.

2023: 165236

- **Measuring PM2.5 concentrations from secondhand tobacco vs. marijuana smoke in 9 rooms of a detached 2-story house.** *The Science of the total environment*
  Ott, W. R., Wallace, L. A., Cheng, K., Hildemann, L. M.
  2022: 158244
- **Method for estimating the volatility of aerosols using the piezobalance: Examples from vaping e-cigarette and marijuana liquids** *ATMOSPHERIC ENVIRONMENT*
  Wallace, L. A., Ott, W. R., Cheng, K., Zhao, T., Hildemann, L.
  2021; 253
- **Measuring indoor fine particle concentrations, emission rates, and decay rates from cannabis use in a residence** *ATMOSPHERIC ENVIRONMENT-X*
  Ott, W. R., Zhao, T., Cheng, K., Wallace, L. A., Hildemann, L. M.
  2021; 10
- **PM2.5 exposure close to marijuana smoking and vaping: A case study in residential indoor and outdoor settings.** *The Science of the total environment*
  Cheng, K. C., Ott, W., Wallace, L., Zhu, Y., Hildemann, L.
  2021; 802: 149897
- **Characteristics of secondhand cannabis smoke from common smoking methods: Calibration factor, emission rate, and particle removal rate** *ATMOSPHERIC ENVIRONMENT*
  Zhao, T., Cheng, K., Ott, W. R., Wallace, L., Hildemann, L. M.
  2020; 242
- **Secondhand exposure from vaping marijuana: Concentrations, emissions, and exposures determined using both research-grade and low-cost monitors** *ATMOSPHERIC ENVIRONMENT-X*
  Wallace, L., Ott, W., Zhao, T., Cheng, K., Hildemann, L.
  2020; 8
- **Impact of fan mixing on air pollutant exposure near indoor sources: An analytical model to connect proximity effect with energy** *BUILDING AND ENVIRONMENT*
  Cheng, K., Zheng, D., Hildemann, L. M.
  2020; 183
- **Using Indoor Positioning and Mobile Sensing for Spatial Exposure and Environmental Characterizations: Pilot Demonstration of PM2.5 Mapping** *ENVIRONMENTAL SCIENCE & TECHNOLOGY LETTERS*
  Cheng, K., Tseng, C., Hildemann, L. M.
  2019; 6 (3): 153–58
- **Fine and ultrafine particle exposures on 73 trips by car to 65 non-smoking restaurants in the San Francisco Bay Area** *INDOOR AIR*
  Ott, W. R., Wallace, L. A., McAteer, J. M., Hildemann, L. M.
  2017; 27 (1): 205-217
- **Effectiveness of air purifier on health outcomes and indoor particles in homes of children with allergic diseases in Fresno, California: A pilot study** *JOURNAL OF ASTHMA*
  Park, H., Cheng, K., Tetteh, A. O., Hildemann, L. M., Nadeau, K. C.
  2017; 54 (4): 341-346
- **Effectiveness of air purifier on health outcomes and indoor particles in homes of children with allergic diseases in Fresno, California: A pilot study.** *journal of asthma*
  Park, H., Cheng, K., Tetteh, A. O., Hildemann, L. M., Nadeau, K. C.
  2016: 1-6
- **Personal exposure to airborne particulate matter due to residential dryer lint cleaning** *BUILDING AND ENVIRONMENT*
  Cheng, K., Zheng, D., Tetteh, A. O., Park, H., Nadeau, K. C., Hildemann, L. M.
  2016; 98: 145-149
- **Measuring Indoor Air Quality and Engaging California Indian Stakeholders at the Win-River Resort and Casino: Collaborative Smoke-Free Policy Development.** *International journal of environmental research and public health*

Klepeis, N. E., Dhaliwal, N., Hayward, G., Acevedo-Bolton, V., Ott, W. R., Read, N., Layton, S., Jiang, R., Cheng, K., Hildemann, L. M., Repace, J. L., Taylor, S., Ong, et al
2016; 13 (1)

- **Mixing and sink effects of air purifiers on indoor PM2.5 concentrations: A pilot study of eight residential homes in Fresno, California** *AEROSOL SCIENCE AND TECHNOLOGY*
  Cheng, K., Park, H., Tetteh, A. O., Zheng, D., Ouellette, N. T., Nadeau, K. C., Hildemann, L. M.
  2016; 50 (8): 835-845

- **Determining PM2.5 calibration curves for a low-cost particle monitor: common indoor residential aerosols** *ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS*
  Dacunto, P. J., Klepeis, N. E., Cheng, K., Acevedo-Bolton, V., Jiang, R., Repace, J. L., Otta, W. R., Hildemann, L. M.
  2015; 17 (11): 1959-1966

- **Surface tensions of solutions containing dicarboxylic acid mixtures** *ATMOSPHERIC ENVIRONMENT*
  Lee, J. Y., Hildemann, L. M.
  2014; 89: 260-267

- **Stochastic modeling of short-term exposure close to an air pollution source in a naturally ventilated room: An autocorrelated random walk method** *JOURNAL OF EXPOSURE SCIENCE AND ENVIRONMENTAL EPIDEMIOLOGY*
  Cheng, K., Acevedo-Bolton, V., Jiang, R., Klepeis, N. E., Ott, W. R., Kitanidis, P. K., Hildemann, L. M.
  2014; 24 (3): 311-318

- **Controlled experiments measuring personal exposure to PM2.5 in close proximity to cigarette smoking.** *Indoor air*
  Acevedo-Bolton, V., Ott, W. R., Cheng, K., Jiang, R., Klepeis, N. E., Hildemann, L. M.
  2014; 24 (2): 199-212

- **Identifying and quantifying secondhand smoke in source and receptor rooms: logistic regression and chemical mass balance approaches.** *Indoor air*
  Dacunto, P. J., Cheng, K., Acevedo-Bolton, V., Jiang, R., Klepeis, N. E., Repace, J. L., Ott, W. R., Hildemann, L. M.
  2014; 24 (1): 59-70

- **Outdoor fine and ultrafine particle measurements at six bus stops with smoking on two California arterial highways-Results of a pilot study** *JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION*
  Ott, W. R., Acevedo-Bolton, V., Cheng, K., Jiang, R., Klepeis, N. E., Hildemann, L. M.
  2014; 64 (1): 47-60

- **Surface tension of solutions containing dicarboxylic acids with ammonium sulfate, D-glucose, or humic acid** *JOURNAL OF AEROSOL SCIENCE*
  Lee, J. Y., Hildemann, L. M.
  2013; 64: 94-102

- **Identifying and quantifying secondhand smoke in multiunit homes with tobacco smoke odor complaints** *ATMOSPHERIC ENVIRONMENT*
  Dacunto, P. J., Cheng, K., Acevedo-Bolton, V., Klepeis, N. E., Repace, J. L., Ott, W. R., Hildemann, L. M.
  2013; 71: 399-407

- **Experimental study on visible-light induced photocatalytic oxidation of gaseous formaldehyde by polyester fiber supported photocatalysts** *CHEMICAL ENGINEERING JOURNAL*
  Han, Z., Chang, V., Wang, X., Lim, T., Hildemann, L.
  2013; 218: 9-18

- **Real-time particle monitor calibration factors and PM2.5 emission factors for multiple indoor sources** *ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS*
  Dacunto, P. J., Cheng, K., Acevedo-Bolton, V., Jiang, R., Klepeis, N. E., Repace, J. L., Ott, W. R., Hildemann, L. M.
  2013; 15 (8): 1511-1519

- **Comparisons between Hygroscopic Measurements and UNIFAC Model Predictions for Dicarboxylic Organic Aerosol Mixtures** *ADVANCES IN METEOROLOGY*
  Lee, J. Y., Hildemann, L. M.
  2013

- **Preparation of TiO2-Coated Polyester Fiber Filter by Spray-Coating and Its Photocatalytic Degradation of Gaseous Formaldehyde** *AEROSOL AND AIR QUALITY RESEARCH*
  Han, Z., Chang, V. W., Zhang, L., Tse, M. S., Tan, O. K., Hildemann, L. M.
  2012; 12 (6): 1327-1335
- **Low demand for nontraditional cookstove technologies** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Mobarak, A. M., Dwivedi, P., Bailis, R., Hildemann, L., Miller, G.
  2012; 109 (27): 10815-10820
- **Measurement of the proximity effect for indoor air pollutant sources in two homes** *JOURNAL OF ENVIRONMENTAL MONITORING*
  Acevedo-Bolton, V., Cheng, K., Jiang, R., Ott, W. R., Klepeis, N. E., Hildemann, L. M.
  2012; 14 (1): 94-104
- **Determination of response of real-time SidePak AM510 monitor to secondhand smoke, other common indoor aerosols, and outdoor aerosol** *JOURNAL OF ENVIRONMENTAL MONITORING*
  Jiang, R., Acevedo-Bolton, V., Cheng, K., Klepeis, N. E., Ott, W. R., Hildemann, L. M.
  2011; 13 (6): 1695-1702
- **Fine particle air pollution and secondhand smoke exposures and risks inside 66 US casinos** *ENVIRONMENTAL RESEARCH*
  Repace, J. L., Jiang, R., Acevedo-Bolton, V., Cheng, K., Klepeis, N. E., Ott, W. R., Hildemann, L. M.
  2011; 111 (4): 473-484
- **Modeling Exposure Close to Air Pollution Sources in Naturally Ventilated Residences: Association of Turbulent Diffusion Coefficient with Air Change Rate** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Cheng, K., Acevedo-Bolton, V., Jiang, R., Klepeis, N. E., Ott, W. R., Fringer, O. B., Hildemann, L. M.
  2011; 45 (9): 4016-4022
- **Measurement of fine particles and smoking activity in a statewide survey of 36 California Indian casinos** *JOURNAL OF EXPOSURE SCIENCE AND ENVIRONMENTAL EPIDEMIOLOGY*
  Jiang, R., Cheng, K., Acevedo-Bolton, V., Klepeis, N. E., Repace, J. L., Ott, W. R., Hildemann, L. M.
  2011; 21 (1): 31-41
- **Contributions of Foot Traffic and Outdoor Concentrations to Indoor Airborne Aspergillus** *AEROSOL SCIENCE AND TECHNOLOGY*
  Goebes, M. D., Boehm, A. B., Hildemann, L. M.
  2011; 45 (3): 352-363
- **Association of size-resolved airborne particles with foot traffic inside a carpeted hallway** *ATMOSPHERIC ENVIRONMENT*
  Cheng, K., Goebes, M. D., Hildemann, L. M.
  2010; 44 (16): 2062-2066
- **Measuring and modeling the composition and temperature-dependence of surface tension for organic solutions** *ATMOSPHERIC ENVIRONMENT*
  Aumann, E., Hildemann, L. M., Tabazadeh, A.
  2010; 44 (3): 329-337
- **Model-based reconstruction of the time response of electrochemical air pollutant monitors to rapidly varying concentrations** *JOURNAL OF ENVIRONMENTAL MONITORING*
  Cheng, K., Acevedo-Bolton, V., Jiang, R., Klepeis, N. E., Ott, W. R., Hildemann, L. M.
  2010; 12 (4): 846-853
- **The Effects of Human Activities on Exposure to Particulate Matter and Bioaerosols in Residential Homes** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Chen, Q., Hildemann, L. M.
  2009; 43 (13): 4641-4646
- **Wind Tunnel Measurements of the Dilution of Tailpipe Emissions Downstream of a Car, a Light-Duty Truck, and a Heavy-Duty Truck Tractor Head** *JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION*
  Chang, V. W., Hildemann, L. M., Chang, C.
  2009; 59 (6): 704-714

- **Dilution Rates for Tailpipe Emissions: Effects of Vehicle Shape, Tailpipe Position, and Exhaust Velocity** *JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION*
  Chang, V. W., Hildemann, L. M., Chang, C.
  2009; 59 (6): 715-724

- **Effect of interior door position on room-to-room differences in residential pollutant concentrations after short-term releases** *ATMOSPHERIC ENVIRONMENT*
  Ferro, A. R., Klepeis, N. E., Ott, W. R., Nazaroff, W. W., Hildemann, L. M., Switzer, P.
  2009; 43 (3): 706-714

- **Size-Resolved Concentrations of Particulate Matter and Bioaerosols Inside versus Outside of Homes** *AEROSOL SCIENCE AND TECHNOLOGY*
  Chen, Q., Hildemann, L. M.
  2009; 43 (7): 699-713

- **Effect of building construction on Aspergillus concentrations in a hospital** *INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY*
  Goebes, M. D., Baron, E. J., Mathews, K. L., Hildemann, L. M.
  2008; 29 (5): 462-464

- **ENHANCED ACUTE RESPONSES IN AN EXPERIMENTAL EXPOSURE MODEL TO BIOMASS SMOKE INHALATION IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE** *EXPERIMENTAL LUNG RESEARCH*
  Mattson, J. D., Haus, B. M., Desai, B., Ott, W., Basham, B., Agrawal, M., Ding, W., Hildemann, L. M., Abitorabi, K. M., Canfield, J., Mak, G., Guvenc-Tuncturk, S., Malefyt, et al
  2008; 34 (10): 631-662

- **Real-time PCR for detection of the Aspergillus genus** *JOURNAL OF ENVIRONMENTAL MONITORING*
  Goebes, M. D., Hildemann, L. M., Kujundzic, E., Hernandez, M.
  2007; 9 (6): 599-609

- **Fine organic aerosols collected in a humid, rural location (Great Smoky Mountains, Tennessee, USA): Chemical and temporal characteristics** *ATMOSPHERIC ENVIRONMENT*
  Yu, L. E., Shulman, M. L., Kopperud, R., Hildemann, L. M.
  2005; 39 (33): 6037-6050

- **Size distributions and height variations of airborne particulate matter and cat allergen indoors immediately following dust-disturbing activities** *JOURNAL OF AEROSOL SCIENCE*
  Montoya, L. D., Hildemann, L. M.
  2005; 36 (5-6): 735-749

- **Characterization of organic compounds collected during Southeastern Aerosol and Visibility Study: Water-soluble organic species** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Yu, L. E., Shulman, M. L., Kopperud, R., Hildemann, L. M.
  2005; 39 (3): 707-715

- **Outdoor versus indoor contributions to indoor particulate matter (PM) determined by mass balance methods** *4th Colloquium on PM and Human Health*
  Kopperud, R. J., Ferro, A. R., Hildemann, L. M.
  AIR & WASTE MANAGEMENT ASSOC.2004: 1188–96

- **Elevated personal exposure to particulate matter from human activities in a residence** *9th International Conference on Indoor Air Quality and Climate (Indoor Air 2002)*
  Ferro, A. R., Kopperud, R. J., Hildemann, L. M.
  NATURE PUBLISHING GROUP.2004: S34–S40

- **Source strengths for indoor human activities that resuspend particulate matter** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Ferro, A. R., Kopperud, R. J., Hildemann, L. M.
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- **Evolution of the mass distribution of resuspended cat allergen (Fel d 1) indoors following a disturbance** *ATMOSPHERIC ENVIRONMENT*
  Montoya, L. D., Hildemann, L. M.
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- **Concentration and composition of atmospheric aerosols from the 1995 SEAVS experiment and a review of the closure between chemical and gravimetric measurements** *Air-and-Waste-Management-Association Specialty Conference on Visual Air Quality, Aerosols, and Global Radiation Balance*
  Andrews, E., Saxena, P., Musarra, S., Hildemann, L. M., Koutrakis, P., McMurry, P. H., Olmez, I., White, W. H.
  AIR & WASTE MANAGEMENT ASSOC.2000: 648–64
- **Investigations of the proximity effect for pollutants in the indoor environment** *JOURNAL OF EXPOSURE ANALYSIS AND ENVIRONMENTAL EPIDEMIOLOGY*
  McBride, S. J., Ferro, A. R., Ott, W. R., Switzer, P., Hildemann, L. M.
  1999; 9 (6): 602-621
- **Characteristics of nitrogen-containing aromatic compounds in coal tars during secondary pyrolysis** *FUEL*
  Yu, L. E., Hildemann, L. M., Niksa, S.
  1999; 78 (3): 377-385
- **Human exposure to particles due to indoor cleaning activities** *7th International Air Pollution Conference*
  Ferro, A., Hildemann, L. M., McBride, S. J., Ott, W., Switzer, P.
  WIT PRESS.1999: 487–496
- **Generation of polar organic aerosols from combustion processes** *7th International Air Pollution Conference*
  Hildemann, L. M., Yu, L. E.
  WIT PRESS.1999: 935–942
- **Trends in aromatic ring number distributions of coal tars during secondary pyrolysis** *ENERGY & FUELS*
  Yu, L. E., Hildemann, L. M., Niksa, S.
  1998; 12 (3): 450-456
- **Characterization of coal tar organics via gravity flow column chromatography** *FUEL*
  Yu, L. E., Hildemann, L. M., Dadamio, J., Niksa, S.
  1998; 77 (5): 437-445
- **Sources of fine organic aerosol. 9. Pine, oak and synthetic log combustion in residential fireplaces** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Rogge, W. F., Hildemann, L. M., Mazurek, M. A., Cass, G. R., SIMONEIT, B. R.
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- **Modeling vertical spread of airborne pollutants from sources near ground level - Comparison with field measurements** *JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE*
  Lin, J. S., Hildemann, L. M.
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- **Water absorption by organics: Survey of laboratory evidence and evaluation of UNIFAC for estimating water activity** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Saxena, P., Hildemann, L. M.
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- **Sources of fine organic aerosol .7. Hot asphalt roofing tar pot fumes** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Rogge, W. F., Hildemann, L. M., Mazurek, M. A., Cass, G. R., SIMONEIT, B. R.
  1997; 31 (10): 2726-2730
- **Sources of fine organic aerosol .8. Boilers burning No. 2 distillate fuel oil** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Rogge, W. F., Hildemann, L. M., Mazurek, M. A., Cass, G. R., SIMONEIT, B. R.
  1997; 31 (10): 2731-2737
- **Size-resolved quantification of nonviable indoor aeroallergens: A review** *JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE*
  Montoya, L. D., Hildemann, L. M.
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- **Characterization of the Southwestern Desert Aerosol, Meadview, AZ** *JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION*
  Turpin, B. J., Saxena, P., Allen, G., Koutrakis, P., McMurry, P., Hildemann, L.

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  Turpin, B. J., Saxena, P., Koutrakis, G. A., McMurry, P., Hildemann, L.
  1997; 47 (3): 344-356
- **A generalized mathematical scheme to analytically solve the atmospheric diffusion equation with dry deposition** *ATMOSPHERIC ENVIRONMENT*
  Lin, J. S., Hildemann, L. M.
  1997; 31 (1): 59-71
- **Source apportionment of airborne particulate matter using organic compounds as tracers** *ATMOSPHERIC ENVIRONMENT*
  Schauer, J. J., Rogge, W. F., Hildemann, L. M., Mazurek, M. A., Cass, G. R., SIMONEIT, B. R.
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- **Mathematical modeling of atmospheric fine particle-associated primary organic compound concentrations** *5th International Conference on Carbonaceous Particles in the Atmosphere*
  Rogge, W. F., Hildemann, L. M., Mazurek, M. A., Cass, G. R., SIMONEIT, B. R.
  AMER GEOPHYSICAL UNION.1996: 19379–94
- **Contribution of primary aerosol emissions from vegetation-derived sources to fine particle concentrations in Los Angeles** *5th International Conference on Carbonaceous Particles in the Atmosphere*
  Hildemann, L. M., Rogge, W. F., Cass, G. R., Mazurek, M. A., SIMONEIT, B. R.
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  Yu, L. E., Hildemann, L. M., Ott, W. R.
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- **Water-soluble organics in atmospheric particles: A critical review of the literature and application of thermodynamics to identify candidate compounds** *JOURNAL OF ATMOSPHERIC CHEMISTRY*
  Saxena, P., Hildemann, L. M.
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- **Analytical solutions of the atmospheric diffusion equation with multiple sources and height-dependent wind speed and eddy diffusivities** *ATMOSPHERIC ENVIRONMENT*
  Lin, J. S., Hildemann, L. M.
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- **ORGANICS ALTER HYGROSCOPIC BEHAVIOR OF ATMOSPHERIC PARTICLES** *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES*
  Saxena, P., Hildemann, L. M., McMurry, P. H., Seinfeld, J. H.
  1995; 100 (D9): 18755-18770
- **A NONSTEADY-STATE ANALYTICAL MODEL TO PREDICT GASEOUS EMISSIONS OF VOLATILE ORGANIC-COMPOUNDS FROM LANDFILLS** *JOURNAL OF HAZARDOUS MATERIALS*
  Lin, J. S., Hildemann, L. M.
  1995; 40 (3): 271-295
- **Polarities and ring size distributions of polycyclic aromatic compound emissions during secondary pyrolysis with various coals** *8th International Conference on Coal Science*
  Yu, L. E., Dadamio, J., Hildemann, L. E., Niksa, S.
  ELSEVIER SCIENCE BV.1995: 1939–1942
- **A nonsteady-state analytical model to predict VOC emissions from hazardous waste sites** *National Conference on Innovative Technologies for Site Remediation and Hazardous Waste Management*
  Lin, J. S., Hildemann, L. M.
  AMER SOC CIVIL ENGINEERS.1995: 238–245
- **Mathematically modeling the transport of hazardous air pollutants from multiple sources** *National Conference on Innovative Technologies for Site Remediation and Hazardous Waste Management*
  Lin, J. S., Hildemann, L. M.

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  Hildemann, L. M., Klinedinst, D. B., Klouda, G. A., Currie, L. A., Cass, G. R.
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- **Sources of fine organic aerosol. 6. Cigaret smoke in the urban atmosphere.** *Environmental science & technology*
  Rogge, W. F., Hildemann, L. M., Mazurek, M. A., Cass, G. R., SIMONEIT, B. R.
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- **SOURCES OF FINE ORGANIC AEROSOL .6. CIGARETTE-SMOKE IN THE URBAN ATMOSPHERE** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
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