

**Journal Articles**

- Tager I., Margolis H.G., Mann J.K., Lurmann F., Mortimer K.M., Balmes J.R., and Hammond S.K. (2009) Altered pulmonary function among children with asthma associated with highway traffic near residence. *Int. J. Environ. Health Res.* (in press).
- Wu J., Houston D.H., Lurmann F., Ong P., and Winer A. (2009) Exposure of PM<sub>2.5</sub> and EC from diesel and gasoline vehicles in communities near the ports of Los Angeles and Long Beach, California. *Atmos. Environ.* (in press).
- Kunzli N., Perez, L., Lurmann, F., Hricko, A., Penfold, B., McConnell, R. (2008) An attributable risk model for exposures assumed to cause both chronic disease and its exacerbations. *Epidemiology* **19**, 179–185.
- Moore K., Neugebauer R., Lurmann F., Hall J., V. B., Alcorn S., and Tager I. (2008) Ambient ozone concentrations cause increased hospitalizations for asthma in children an 18-year study in Southern California. *Environ. Health Perspect.* Available on the Internet at <http://www.ehponline.org/docs/2008/10497/abstract.html>.
- Mortimer K., Neugebauer R., Lurmann F., Alcorn S., Balmes J., and Tager I. (2008) Early-lifetime exposure to air pollution and allergic sensitization in children with asthma. *J. Asthma* **45** (10), 874-881.
- Mortimer K., Neugebauer R., Lurmann F., Alcorn S., Balmes J., and Tager I. (2008) The effect of prenatal and lifetime exposure to air pollution on the pulmonary function of asthmatic children. *Epidemiology* **19**, 550-557.
- Kan H., Heiss G., Rose K.M., Whitsel E.A., Lurmann F., and London S.J. (2008) Prospective analysis of traffic exposure as a risk factor for incident coronary heart disease: the atherosclerosis risk in communities (ARIC) study. *Environ Health Perspect* (Online) (doi:10.1289/ehp.11290). Available on the Internet at <http://www.ehponline.org/docs/2008/11290/abstract.html>.
- Jerrett M., Shankardass K., Berhane K., Gauderman W.J., Kunzli N., Avol E., Gilliland F., Lurmann F., Molitor J., Molitor J., Thomas D., Peters J., and McConnell R. (2008) Traffic-related air pollution and asthma onset in children: a prospective cohort study with individual exposure measurement. *Environ Health Perspect* **116** (10), 1433-1438.
- Gauderman W.J., Vora H., McConnell R., Berhane K., Gilliland F., Thomas D., Lurmann F., Avol E., Kunzli N., Jerrett M., and Peters J. (2007) Effect of exposure to traffic on lung development from 10 to 18 years of age: a cohort study. *The Lancet* **369** (9561), 571-577.
- Hall J.V., Brajer V., and Lurmann F.W. (2007) Measuring the gains from improved air quality in the San Joaquin Valley. *J. Environ. Manag.* Available on the Internet at <http://dx.doi.org/>, doi:10.1016/j.jenvman.2007.05.002.
- Molitor J., Jerrett M., Chang C., Molitor N., Gauderman J., Berhane K., McConnell R., Lurmann F., Wu J., Winer A., and Thomas D. (2007) Assessing uncertainty in spatial exposure models for air pollution health effects assessment. *Environ. Health Perspect.* **115**, 1147–1153. Available on the Internet at <http://dx.doi.org/>, doi:10.1289/ehp.9849.
- .Kan H., Heiss G., Rose K.M., Whitsel E., Lurmann F., and London S.J. (2007) Traffic exposure and lung function in adults: the Atherosclerosis Risk in Communities study. *Thorax*, April 18, 2007, DOI:2010.1136/thx.2006.073015 (STI-3162).
- Brown S.G., Roberts P.T., McCarthy M.C., Lurmann F.W., and Hyslop N.P. (2006) Wintertime vertical variations in particulate matter (PM) and precursor concentrations in the San Joaquin Valley during the California Regional Coarse PM/Fine PM Air Quality Study. *J. Air & Waste Manag. Assoc.* **56** (9), 1267-1277 (STI-902326-2659).

- Künzli N., Avol E., Wu J., Gauderman W.J., Rappaport R., Millstein J., Bennion J., McConnell R., Gilliland F.D., Berhane K., Lurmann F., Winer A., and Peters J.M. (2006) Health effects of the 2003 Southern California wildfire on children. *Am. J. Respir. Crit. Care Med.* **174**, 1221-1228.
- Lurmann F.W., Brown S.G., McCarthy M.C., and Roberts P.T. (2006) Processes influencing secondary aerosol formation in the San Joaquin Valley during winter. *J. Air & Waste Manag. Assoc.* **56**, 1679-1693 (STI-902331-2661).
- McConnell R., Berhane K., Molitor J., Gilliland F., Künzli N., Thorne P.S., Thomas D., Gauderman W.J., Avol E., Lurmann F., Rappaport E., Jerrett M., and Peters J.M. (2006) Dog ownership enhances symptomatic responses to air pollution in children with asthma. *Environ. Health Perspect.* **114** (12), 1910-1915.
- McConnell R., Berhane K., Yao L., Jerrett M., Lurmann F.W., Gilliland F., Künzli N., Gauderman W.J., Avol E., and Peters J. (2006) Traffic, susceptibility, and childhood asthma. *Environ Health Perspect* **114** (5), 766-772. Available on the Internet at <<http://www.ehponline.org/members/2006/8594/8594.pdf>>.
- Gauderman W.J., Avol E., Lurmann F., Künzli N., Gilliland F., Peters J., and McConnell R. (2005) Childhood asthma and exposure to traffic and nitrogen dioxide. *Epidemiology* **16** (6), 737-743.
- Gilliland F., Avol E., Kinney P., Jerret M., Dvonch T., Lurmann F., Buckley T., Breyse P., Keeler J., de Villiers T., and McConnell R. (2005) Air pollution exposure assessment for epidemiologic studies of pregnant women and children: lessons learned from the Centers for Children's Environmental Health and Disease Prevention Research. *Environ Health Perspect* **113**, 1447-1454.
- Lu R., Wu J., Turco R.P., Winer A.M., Atkinson R., Arey J., Paulson S.E., Lurmann F.W., Miguel A.H., and Eiguren-Fernandez A. (2005) Naphthalene distributions and human exposure in southern California. *Atmos. Environ.* **39** (3), 489-507.
- Salam M.T., Millstein J., Li Y.-F., Lurmann F.W., Margolis H.G., and Gilliland F.D. (2005) Birth outcomes and prenatal exposures to ozone, carbon monoxide, and particulate matter: results from the Children's Health Study. *Environ Health Perspect* **113**, 1638-1644. Available on the Internet at <<http://www.ehponline.org/members/2005/8111/8111.html>>.
- Tager I.B., Balmes J., Lurmann F., Ngo L., Alcorn S., and Künzli N. (2005) Chronic exposure to ambient ozone on lung function in young adults. *Epidemiology* **16** (6), 751-759.
- Wu J., Funk T., Lurmann F., and Winer A. (2005) Improving spatial accuracy of roadway networks and geocoded addresses. *Transactions in GIS* **9** (4), 585-601.
- Wu J., Lurmann F., Winer A., Lu R., Turco R., and Funk T. (2005) Development of an individual exposure model for application to the southern California Children's Health Study. *Atmos. Environ.* **39**, 259-273.
- Gauderman W.J., Avol E., Gilliland F., Vora H., Thomas D., Berhane K., McConnell R., Künzli N., Lurmann F., Rappaport E., Margolis H., Bates D., and Peters J. (2004) The effect of air pollution on lung development from 10 to 18 years of age. *New Engl. J. Med.* **351** (11), 1057-1067.
- Hall J.V., Brajer V., and Lurmann F.W. (2003) Economic valuation of ozone-related school absences in the South Coast Air Basin of California. *Contemporary Economic Policy*, **21** (4), pp. 407-411.
- Künzli N., McConnell R., Bates D., Bastain T., Hricko A., Lurmann F., Avol E., Gilliland F., and Peters J. (2003) Breathless in Los Angeles: the exhausting search for clean air. *Amer. J. of Public Health* **93** (9), 1494-1499.
- McConnell R., Avol E., Lin V., and Lurmann F. (2003) Chronic exposure to ambient ozone varies with traffic near residence. *Am. J. Resp. Crit. Care Med.* **167** (7), A36.

- McConnell R., Berhane K., Gilliland F.D., Molitor J., Thomas D., Lurmann F., Avol E., Gauderman W.J., and Peters J.M. (2003) Prospective study of air pollution and bronchitic symptoms in children with asthma. *Am. J. Resp. Crit. Care Med.* **168**, 790-797.
- Gauderman W.J., Gilliland G.F., Vora H., Avol E., Stram D., McConnell R., Thomas D., Lurmann F., Margolis H.G., Rappaport E.B., Berhane K., and Peters J.M. (2002) Association between air pollution and lung function growth in southern California children: results from a second cohort. *Am. J. Resp. Crit. Care Med.* **166** (1), 76-84.
- Gauderman W.J., McConnell R., Berhane K., Lurmann F., Avol E., Gilliland F., Thomas D., and Peters J. (2002) Genes, environmental exposures and childhood asthma occurrence. *Epidemiology* **13** (4), S131.
- Lurmann F., Funk T., Hyslop N., Roberts P., Hamond S.K., McConnell R., and Avol E. (2002) Measurement and modeling of personal exposure to ambient air pollution related to motor vehicle emissions. *Epidemiology*, **13** (4), S131-32.
- Mann J., Tager I.B., Lurmann F.W., Segal M., Quesenberry C.P., and Van Den Eeden S.K. (2002) The effect of air pollution on hospital admissions for ischemic heart disease in persons with secondary diagnoses for congestive heart failure or arrhythmia. *Environmental Health Perspectives*, **110**, 1247-1252.
- McConnell R., Berhane K., Lurmann F., Molitor J., Gauderman W.J., Avol E., Rappaport E., Gilliland F., and Peters J.M. (2002) Traffic and asthma prevalence in children. *Am. J. Respir. Crit. Care Med.* **165** (8), A492.
- Peters J.M., McConnell R., Berhane K., Millstein J., Lurmann F., Gauderman J., Avol E., Gilliland F., and Thomas D. (2002) Air pollution and the incidence, prevalence and severity of childhood asthma: results from the southern California Children's Health Study. *Epidemiology* **13** (4), S132.
- Wu J., Lurmann F.W., Winer A.M., Lu R., and Turco P. (2002) Application of an individual human exposure model to the CHS cohort children in southern California. *Epidemiology* **13** (4) (S131-32).
- Fruin S.A., St. Denis M.J., Winer A.M., Colome S.D., and Lurmann F.W. (2001) Reductions in human benzene exposure in the California South Coast Air Basin. *Atmos. Environ.* **35**, 1069-1077.
- Thomas D., Avol E., Berhane K., Gauderman J., Gilliland F.D., London S.J., Lurmann F., Margolis H.G., McConnell R., and Peters J.M. (2001) Chronic respiratory effects of air pollution on southern California children. *Epidemiology*, **12** (4), S80.
- Gauderman W.J., McConnell R., Gilliland F., London S., Thomas D., Avol E., Vora H., Bethane K., Rappaport E.B., Lurmann F., Margolis H.G., and Peters J.M. (2000) Association between air pollution and lung function growth in southern California children. *Am. J. Respir. Crit. Care Med.* **162**, 1383-1390.
- Blanchard C.L., Lurmann F.W., Roth P.M., Jeffries H.E., and Korc M. (1999) The use of ambient data to corroborate analyses of ozone control strategies. *Atmos. Environ.* **33**, 369-381.
- Geyh A.S., Roberts P.T., Lurmann F.W., Schoell B.M., and Avol E.L. (1999) Initial field evaluation of the Harvard active ozone sampler for personal ozone monitoring. *J. Exposure Analy. Environ. Epidem.* **2**, 143-149.
- Magliano K.L., Hughes V.M., Chinkin L.R., Coe D.L., Haste T.L., Kumar N., and Lurmann F.W. (1999) Spatial and temporal variations in PM<sub>10</sub> and PM<sub>2.5</sub> source contributions and comparison to emissions during the 1995 integrated monitoring study. *Atmos. Environ.* **33**, 4757-4774.

- McConnell R., Berhane K., Gilliland F., London S.J., Vora H., Avol E., Gauderman W.J., Margolis H.G., Lurmann F., Thomas D.C., and Peters J.M. (1999) Air pollution and bronchitic symptoms in southern California children with asthma. *Environmental Health Perspectives*, **107**, No. 9, September, 757-760.
- Peters J.M., Avol E., Navidi W., London S.J., Gauderman W.J., Lurmann F., Linn W.S., Margolis H., Rappaport E., Gong H., and Thomas D.C. (1999) A study of twelve southern California communities with differing levels and types of air pollution. I. Prevalence of respiratory morbidity. *Am. J. Respir. Crit. Care Med.* **159** (3), 760-767. Available on the Internet at <<http://www.ajrcm.org/cgi/content/full/159/3/760>>.
- Strader R., Lurmann F., and Pandis S.N. (1999) Evaluation of secondary organic aerosol formation in winter. *Atmos. Environ.* **33**, 4849-4864.
- Tager I.B., Künzli N., Lurmann F.W., Ngo L., Segal M., and Balmes J. (1998) Methods development for epidemiologic investigations of the health effects of prolonged ozone exposure. Part II: An approach to retrospective estimation of lifetime ozone exposure using a questionnaire and ambient monitoring data (California sites). *Research Report/ Health Effects Institute* **81**, 27-78.
- Allen G., Sioutas C., Koutrakis P., Reiss R., Lurmann F.W., Roberts P.T., and Burton R.M. (1997) Evaluation of the TEOM method for measurement of ambient particulate mass in urban areas. *J. Air & Waste Manag. Assoc.* **47** (6), 682-689.
- Künzli N., Lurmann F., Segal M., Ngo L., Balmes J., and Tager I.B. (1997) Association between lifetime ambient ozone exposure and pulmonary function in college freshman - results of a pilot study. *Environ. Res.* **72**, 8-23.
- Lurmann F.W., Wexler A.S., Pandis S.N., Musarra S., Kumar N., and Seinfeld J.H. (1997) Modeling urban and regional aerosols: II. application to California's South Coast Air Basin. *Atmos. Environ.* **31**, 2695-2715.
- Künzli N., Lurmann F., Segal M., Ngo L., Balmes J., and Tager I.B. (1996) Reliability of lifetime residential history and activity measures as elements of cumulative ambient ozone exposure assessment. *J. Exposure Analy. Environ. Epidemiol.* **6**, 289-310.
- Navidi W. and Lurmann F. (1995) Measurement error in air pollution exposure assessment. *J. Exposure Analy. Environ. Epidemiol.* **5**, 111-124.
- Watson J.G., Chow J.C., Lurmann F., and Musarra S. (1994) Ammonium nitrate, nitric acid, and ammonia equilibrium in wintertime Phoenix, Arizona. *J. Air & Waste Manag. Assoc.* **44**, 405-412.
- Wexler A.S., Lurmann F.W., and Seinfeld J.H. (1994) Modeling urban and regional aerosols: I. model development. *Atmos. Environ.* **28**, 531-546.
- Fujita E.M., Croes B.E., Bennett C.L., Lawson D.R., Lurmann F.W., and Main H.H. (1992) Comparison of emission inventory and ambient concentration ratios of CO, NMOG, and NO<sub>x</sub> in California's South Coast Air Basin. *J. Air & Waste Manag. Assoc.* **42**, 264-276.
- Hall J.V., Winer A.M., Kleinman M.T., Lurmann F.W., Brajer V., and Colome S.D. (1992) Valuing the health benefits of clean air. *Science* **255**, 812-816.
- Carter W.P.L. and Lurmann F.W. (1991) Evaluation of a detailed gas phase atmospheric reaction mechanism using environmental chamber data. *Atmos. Environ.* **25A**, 2771-2806.
- Lurmann F.W., Lloyd A.C., and Atkinson R. (1986) A chemical mechanism for use in long-range transport/acid deposition computer modeling. *J. Geophys. Res.* **91**, 10,905-10,936.

- Lurmann F.W., Nitta B., Ganesan K., and Lloyd A.C. (1984) Modeling potential impacts from natural hydrocarbons, part III: ozone modeling in Tampa/St. Petersburg, FL. *Atmos. Environ.* **18**, 1133-1143.
- Lloyd A.C., Atkinson R., and Lurmann F.W. (1983) Modeling potential impacts from natural hydrocarbons, part I: development and testing of a chemical mechanism for photooxidation of isoprene and alpha-pinene. *Atmos. Environ.* **17**, 1931-1950.
- Lurmann F.W., Nitta B., and Lloyd A.C. (1983) Modeling potential impacts from natural hydrocarbons, part II: hypothetical biogenic HC modeling. *Atmos. Environ.* **17**, 1951-1963.

### Meeting Presentations and Conference Proceedings

- Lurmann F.W., Tager I., Haight T., Alcorn S., Penfold B.M., Noth B., Perrino C., and Hammond S.K. (2010) Temporal and spatial patterns of ambient endotoxin concentrations in Fresno, California. Presented at the *American Association for Aerosol Research, San Diego, California, March 22* (STI-3835).
- Alcorn S.H., Lurmann F.W., and Hammond K. (2008) Spatial characteristics of aerosol and gaseous co-pollutant concentrations during FACES. Presentation at the *ISEE/ISEA Conference, Pasadena, CA, October*, by Sonoma Technology, Inc., Petaluma, CA, and University of California, Berkeley, CA (STI-906023-3600).
- Lurmann F.W., Roberts P.T., Vaughn D., Hammond S.K., Perrino C., and Tager I. (2006) Modeling daily exposure of children's exposure to PM, ozone, NO<sub>2</sub>, and biological agents in the Fresno Asthma Children's Environment Study (FACES). Poster prepared for *International Conference on Environmental Epidemiology & Exposure, Paris, France, September 2-6* (STI-3019).
- Wheeler N.J.M., Lurmann F.W., Hafner H.R., Chinkin L.R., Sullivan D.C., and Roberts P.T. (2004) Changing roles of oxides of nitrogen as precursors in photochemistry. Presentation to the Annual Meeting of the West Coast Section, Air & Waste Management Association, Ventura, CA, May 13 by Sonoma Technology, Inc., Petaluma, CA, STI-2539.
- Hammond S.K., Perrino C., Tager I.B., Lurmann F.W., Roberts P.T., Vaughn D.L., Eiguren-Fernandez A., and Miguel A.H. (2004) Naphthalene measurement in ambient air using XAD-2 sorbent tubes. Poster presented at *The International State of the Science Workshop on Organic Speciation in Atmospheric Aerosol Research, at Desert Research Institute, Las Vegas, NV, April 5-7*.
- Hammond S.K., Sugiura M., Noth E.M., Lurmann F.W., Roberts P.T., Hyslop N., Vaughn D., Macher J., Mortimer K., and Tager I. (2003) Concentrations of airborne endotoxin inside and outside homes in the Fresno (CA) Asthmatic Children's Environment Study (FACES). Poster presented at the *2003 American Thoracic Society International Conference. Seattle, WA, May 18-21*.
- Hyslop N.P., Lurmann F.W., Vaughan D.L., Roberts P.T., and O'Brien T.E. (2003) Spatial variability of PM exposures as determined in the Fresno Asthmatic Children's Environment Study (FACES). Poster presentation prepared for an *American Association for Aerosol Research meeting, Pittsburgh, PA, March 31-April 4* (STI-2345).
- Hyslop N.P., Lurmann F.W., Roberts P.T., and Vaughn D.L. (2002) Microenvironmental sampling in the Fresno Asthmatic Children's Environment Study (FACES). In Conference proceedings of the *Symposium on Air Quality Measurement Methods and Technology, San Francisco, CA, November 14* (STI-900813-2235).
- Wu J., Lurmann F.W., Winer A., Lu R., Turco R., and Colome S. (2002) Application of an individual human exposure model to the CHS children in southern California. Presented at the *ISEA/ISEE 2002 Conference, Vancouver, BC, August 11-15*, STI-95233-2245.

- Wheeler N., Lurmann F., Chinkin L., LeBaron B., Barickman P., Eden J., and Cruickshank T. (2002) Wintertime particulate matter modeling issues in the western United States. Presented at *CRC Toxics Modeling Conference, The Woodlands, TX, February 27* (STI-2159).
- Wheeler N.J.M., Lurmann F.W., Ryan P.A., Roney J.A., Roberts P.T., MacDonald C.P., Chinkin L.R., Coe D.L., Hanna S., Seaman N., Hunter G., and Scalfano D. (2001) The SO<sub>2</sub> and NO<sub>2</sub> increment analysis for the Breton National Wilderness Area. Presented for the Minerals Management Service and Scientific Review Board, New Orleans, LA, December 13, STI-901369-2135.
- Funk T.H. and Lurmann F.W. (2001) Using GIS to investigate children's exposure to air pollution. Presented at the *Twenty-First ESRI International User Conference, San Diego, CA, June 9-13* (STI-2107).
- Haste T.L., Chinkin L.R., Kumar N., Lurmann F.W., and Hurwitt S.B. (1998) Use of ambient data to evaluate a regional emission inventory for the San Joaquin Valley. Paper and presentation at *PM<sub>2.5</sub> A Fine Particle Standard, Long Beach, CA, sponsored by Air & Waste Management Association, the U.S. Environmental Protection Agency, and the U.S. Department of Energy, January 28-30* (STI-997211-1806, STI-997211-1794).
- Lurmann F.W. and Reiss R. (1998) Analysis of the first three years of PM<sub>2.5</sub> data collected in the southern California Children's Health Study. Presented at *PM<sub>2.5</sub> A Fine Particle Standard, Long Beach, CA, sponsored by Air & Waste Management Association, the U.S. Environmental Protection Agency, and the U.S. Department of Energy, January 28-30* (STI-95232-1805).
- Kumar N.K., Lurmann F.W., and Chico T. (1998) Modeling the effects of emission changes on PM<sub>2.5</sub> using the UAM-AERO model in the South Coast Air Basin. Proceedings of *Air & Waste Management Association PM<sub>2.5</sub> A Fine Particle Standard Conference, Long Beach, CA, January 28-30, 737-747*, J. Chow and P. Koutrakis, eds.
- Bowen J., Egami R., Emery C., Souten D., Lurmann F.W., Roberts P.T., Kumar N., and Kus C. (1998) Winter 1996-97 carbon monoxide study in Las Vegas, NV. Part 1: carbon monoxide and meteorological data collection. In preprints from the *Air & Waste Management Association (A&WMA) and American Meteorological Society 10th Joint Conference on the Applications of Air Pollution Meteorology with the A&WMA, January 11-16, Phoenix, AZ*.
- Emery C.A., Souten D.R., Kumar N., and Lurmann F. (1998) Winter 1996-97 carbon monoxide study in Las Vegas, NV. Part 2: urban airshed model application. In *Preprints: Air & Waste Management Association and American Meteorological Society 10th Joint Conference on the Applications of Air Pollution Meteorology, January 11-16, Phoenix, AZ*.
- Kumar N. and Lurmann F.W. (1997) Application of a three-dimensional aerosol model (UAM-AERO) to South Coast Air Basin. Paper No. 97-WP93.01 presented at the *Air & Waste Management Association 90th Annual Meeting & Exhibition, Toronto, Canada, June 8-13*, (STI-1702, March).
- Kumar N., Lurmann F.W., Wexler A.S., Pandis S., and Seinfeld J.H. (1996) Development and application of a three-dimensional aerosol model. Paper presented at *Air & Waste Management Association Specialty Conference on Computing in Environmental Resource Management, Raleigh-Durham, NC, December 2-4*, STI-1609.
- Main H.H., Roberts P.T., Lurmann F.W., Wright D.B., Reiss R., and Hering S.V. (1995) Measurement of acid gases and PM<sub>2.5</sub> in 12 southern California communities for use in an epidemiologic study. Paper presented at the *Air & Waste Management Association and U.S. Environmental Protection Agency Conference on Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, May 16-18* (STI-1515).

- Reiss R., Lurmann F.W., Roberts P.T., Schoell B.M., Geyh A.S., and Koutrakis P. (1995) A pilot personal ozone study in southern California for validation of a microenvironmental model. Paper presented at the *Air & Waste Management Association and U.S. Environmental Protection Agency Conference on Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, May 16-18* (STI-1517)
- Allen G., Koutrakis P., Reiss R., Lurmann F., Roberts P.T., Burton R., and Wilson W. (1995) Evaluation of the TEOM method for measurement of ambient particle mass in urban areas. In *Transactions of the Air & Waste Management Association Conference on Particle Matter: Health and Regulatory Issues, Pittsburgh, PA, April 4-6*, Air & Waste Management Association, Pittsburgh, PA.
- Lurmann F.W. (1994) A multiple community, individual-level approach to air pollution health effects: II. exposure assessment issues. Paper presented at the *ISEE/ISEA Joint Conference for Environmental Epidemiology and the International Society for Exposure Analysis, Research Triangle Park, NC, September 18-21*.
- Lurmann F.W., Korc M.E., and Fairley D. (1994) Modeling current and future human exposure to ozone in the San Francisco Bay Area. Paper presented at the *ISEE/ISEA Joint Conference for Environmental Epidemiology and the International Society for Exposure Analysis, Research Triangle Park, NC, September 18-21*.
- Roberts P.T. and Lurmann F.W. (1994) Measurements of ozone exposures in schools. Paper presented at the *ISEE/ISEA Joint Conference for Environmental Epidemiology and the International Society for Exposure Analysis, Research Triangle Park, NC, September 18-21*.
- Roberts P.T. and Lurmann F.W. (1994) The design of ambient exposure networks in support of air pollution exposure studies. Paper presented at the *ISEE/ISEA Joint Conference for Environmental Epidemiology and the International Society for Exposure Analysis, Research Triangle Park, NC, September 18-21*.
- Korc M.E., Roberts P.T., Chinkin L.R., Lurmann F.W., and Main H.H. (1994) Reconciliation of emission inventory and ambient data for three major regional air quality studies. In *Transactions, Air & Waste Management Association Regional Photochemical Measurement and Modeling Studies Conference, San Diego, CA, November 8-12, 1993*, 176-194, Air & Waste Management Association, Pittsburgh, PA, (STI-1405)
- Lurmann F.W. and Lester J. (1993) Further evaluation of the UAM/SAPRC model. Paper presented at the *Air & Waste Management Association Regional Photochemical Measurement and Modeling Studies Conference, San Diego, CA, November 8-12*.
- Chinkin L.R., Korc M.E., Roberts P.T., Lurmann F.W., and Main H.H. (1993) Reconciliation of emission inventory and ambient data: current state of knowledge and implications for emission inventory preparation. Paper presented at the *Air & Waste Management Association Conference on the Emission Inventory: Perception and Reality Conference, Pasadena, CA, October 18-20*.
- Magliano K.L., Lurmann F.W., and Watson J.G. (1993) Reconciliation of emissions inventory and ambient data in the San Joaquin Valley and the San Francisco Bay Area. Paper No. A1395 presented at the *Air & Waste Management Association 86th Annual Meeting, Denver, CO, June 14-18*.
- Roberts P.T., Korc M.E., Main H.H., Chinkin L.R., and Lurmann F.W. (1993) Reconciliation of emission inventory and ambient data in the Lake Michigan air quality region. Paper No. 93-WP-100.05 presented at the *Air & Waste Management Association 86th Annual Meeting, Denver, CO, June 14-18*.
- Lurmann F.W. and Main H.H. (1992) Spatial and temporal variations in nonmethane organic compounds and NMOC/NO<sub>x</sub> ratios. Paper presented at the *SCAQS Data Analysis Conference, University of California, Los Angeles, CA, July 21-23*, VIP-26.

- Main H.H. and Lurmann F.W. (1992) Ambient versus emission inventory NMOC speciation during the SCAQS. Paper presented at the *SCAQS Data Analysis Conference*, University of California, Los Angeles, CA, July 21-23, VIP-26.
- Wexler A.S., Lurmann F., and Seinfeld J.H. (1992) Modeling condensation and evaporation for atmospheric aerosols. In *PM<sub>10</sub> Standards and Nontraditional Particulate Controls*, J.C. Chow and D.M. Ono, eds., Air & Waste Management Association, Pittsburgh, PA.
- Lurmann F. and Colome S. (1991) A method of assessing the effects of ozone control strategies on the annual distribution of ozone exposures. Paper No. 91-75.3 presented at the *Air & Waste Management Association 84th Annual Meeting*, Vancouver, BC, June 16-21.
- Lurmann F., Colome S., and Hogo H. (1991) Modeling current and future human exposure to ozone in southern California. In *Tropospheric Ozone and the Environment II: Effects, Modeling and Control*, Air & Waste Management Association, Pittsburgh, PA.
- Lurmann F., Tesche T., and Roth P. (1991) Pressing UAM applications issues. Paper presented at the *Air & Waste Management Association Conference on Tropospheric Ozone and the Environment II: Effects, Modeling and Control*, Atlanta, GA, November 4-7.
- Lurmann F.W., St. Denis M.J., Winer A.M., and Colome S.D. (1991) Modeling benzene and formaldehyde population exposure in California's South Coast Air Basin. Paper presented at the *Measuring, Understanding, and Predicting Exposures in the 21st Century Conference*, Atlanta, GA, November 18-21.
- Lurmann F.W., Carter W.P., and Hogo H. (1991) Sensitivity of the urban airshed model to chemical mechanism: intercomparison of CB-IV and SAPRC chemical mechanisms. In *Tropospheric Ozone and the Environment II Effects, Modeling and Control*, Air & Waste Management Association, Pittsburgh, PA.
- Roberts P.T., Main H.H., and Lurmann F. (1991) Evaluation of VOC, NO<sub>x</sub>, and ozone boundary conditions for the California South Coast Air Basin. Paper presented at the *Air & Waste Management Association International Specialty Conference, November*. In *Transactions No. 20: Tropospheric Ozone and the Environment II Effects, Modeling and Control*, Air & Waste Management Association, Pittsburgh, PA, (STI-1172).
- Main H.H., Lurmann F., and Fujita E. (1991) Analysis of Southern California Air Quality Study (SCAQS) NMOC data: spatial and temporal issues. Paper No. 91-66.10 presented at the *Air & Waste Management Association 84th Annual Meeting*, Vancouver, BC, June 16-21.
- Roberts P., Lurmann F., and Musarra S. (1991) Methods for the quantification of ozone and ozone precursor transport in California. In *Transactions from the Tropospheric Ozone and the Environment II Effects, Modeling and Control Conference*, Air & Waste Management Association, Pittsburgh, PA.
- Tesche T., Roth P., Reynolds S., and Lurmann F. (1991) Assessment of the urban airshed model. In *Tropospheric Ozone and the Environment II Effects, Modeling and Control*, Air & Waste Management Association, Pittsburgh, PA.
- Lurmann F.W., St. Denis M., Winer A.M., and Colome S.D. (1990) REHEX model estimates of population exposure to benzene in California's South Coast Air Basin. Paper presented at the *Workshop on General Population Exposures to Gasoline*, Annapolis, MD, December 12-14.

- Lurmann F.W., Winer A.M., and Colome S.D. (1989) Development and application of a new regional human exposure (REHEX) model. In *Proceedings from the U.S. Environmental Protection Agency and Air & Waste Management Association Conference on Total Exposure Assessment Methodology: New Horizons, Las Vegas, NV, November 27-30*, Air & Waste Management Association, Pittsburgh, PA.
- Lurmann F.W. and Carter W.P.L. (1989) A performance evaluation of the SAPRC and RADM chemical reaction mechanisms. Paper No. 89-42B.5 presented at the *Air & Waste Management Association 82nd Annual Meeting*, Anaheim, CA, June 25-30.
- Lurmann F.W., Coyner L., Winer A.M., and Colome S. (1989) Development of a new regional human exposure (REHEX) model and its application to the California South Coast Air Basin. Paper No. 89-27.5 presented at the *Air & Waste Management Association 82nd Annual Meeting*, Anaheim, CA, June 25-30.
- Lurmann F.W. (1988) A review of PM<sub>10</sub> air quality models. In *Transactions: Receptor Models in Air Resource Management*, Air Pollution Control Association, Pittsburgh, PA, Watson J.G., ed., pp. 461-474.
- Lurmann F.W. (1987) Evaluation of a detailed gas phase atmospheric reaction mechanism. In *The Scientific and Technical Issues Facing Post-1987 Ozone Control Strategies*, G.T. Wolff, J.L. Hanish, and K. Schere, eds., Air & Waste Management Association, Pittsburgh, PA.
- Lurmann F.W. (1987) Evaluation of a surrogate species chemical reaction mechanism. In *Proceeding of the North American Oxidant Symposium*, Quebec City, Quebec, Canada, February 24-27.
- Karamchandani P.K. and Lurmann F.W. (1986) A simplified stratiform cloud-wet chemistry model for regional modeling. Presented at the *American Meteorological Society Fifth Joint Conference on Application of Air Pollution Meteorology*, Chapel Hill, NC, November 18-21, Chapel Hill, NC.
- Lurmann F.W., Young J.R., and Hidy G.M. (1986) A study of cloudwater acidity downwind of urban and power plant sources. In *Chemistry of Multiphase Atmospheric Systems*, W. Jaeschke, ed., Springer-Verlag, Berlin.
- Heisler S.L., Young J., and Lurmann F.W. (1985) The EPRI national emissions inventory. Paper 85-4.3 presented at the *Air Pollution Control Association 78th Annual Meeting*, Pittsburgh, PA.
- Lurmann F.W., Nitta B., Ganesan K., and Lloyd A.C. (1984) The impacts of natural hydrocarbon emissions on ozone in Tampa/St. Petersburg, Florida. In *Environmental Impacts of Natural Emissions*, V.P. Aneja, ed., Air Pollution Control Association, Pittsburgh, PA.
- Lurmann F.W., Godden D.A., and Lloyd A.C. (1982) The development and testing of the PLMSTAR reactive plume model. Presented at the *American Meteorological Society Third Joint Conference on Applications of Air Pollution Meteorology*, San Antonio, TX, January 12-15.
- Lloyd A.C., Lurmann F.W., Godden D., and Hutchins J. (1979) Development, testing and possible applications of ELSTAR. In *Ozone/Oxidants: Interaction with the Total Environment*, Air Pollution Control Association, Pittsburgh, PA.

### **Book Chapters**

- Blumenthal D.L. and Lurmann F.W. (1994) Design rationale for the SJVAQS/AUSPEX meteorological and air quality measurement network to support regional air quality modeling and analyses. In *Planning and Managing Regional Air Quality Modeling and Measurement Studies: A Perspective Through the San Joaquin Valley Air Quality Study and AUSPEX*, Solomon P.A. and Silver T.A., eds., CRC Press, Inc., Boca Raton, FL, pp. 131-170.

Watson J.G., Chow J.C., Blumenthal D.L., Lurmann F.W., Hackney R.J., Magliano K.L., Pederson J.R., Neff W.D., Roth P.M., Solomon P.A., Thuillier R.H., and Ziman S.D. (1994) Planning for data analysis. In *Planning and Managing Regional Air Quality Modeling and Measurement Studies: A Perspective Through the San Joaquin Valley Air Quality Study and AUSPEX*, Solomon P.A. and Silver T.A., eds., CRC Press, Inc., Boca Raton, FL, pp. 335-350.

### Formal Reports

Penfold B.M., Lurmann F.W., and Alcorn S.H. (2009) Summary of SAGE traffic metrics. Technical memorandum prepared for the University of California, Berkeley, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-908008.01-3631, June.

Hall J.V., Brajer V., and Lurmann F.W. (2008) The benefits of meeting federal clean air standards in the South Coast and San Joaquin Valley air basins. Final report funded by the William and Flora Hewlett Foundation and prepared by California State University at Fullerton, CA, and Sonoma Technology, Petaluma, CA, STI-908046-3490, November. Available on the Internet at [http://business.fullerton.edu/centers/iees/reports/Benefits\\_of\\_Meeting\\_Clean\\_Air\\_Standards\\_11-13-08.pdf](http://business.fullerton.edu/centers/iees/reports/Benefits_of_Meeting_Clean_Air_Standards_11-13-08.pdf).

Lurmann F.W., Vaughn D.L., and Alcorn S.H. (2007) Intra-community variability in fine particulate matter in CHS communities. Draft final report prepared for the University of Southern California, Keck School of Medicine, Department of Preventive Medicine, Los Angeles, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-906031-3172-DFR, May.

Lurmann F.W. (2007) Summary of the Ozone Air Quality Forum and Technical Roundtable, held October 31, 2006, in Diamond Bar, CA. Final report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-906051-3149-FR, January.

Hall J.V., Brajer V., and Lurmann F.W. (2006) The health and related economic benefits of attaining healthful air in the San Joaquin Valley. Final report prepared by the Institute for Economic and Environmental Studies, California State University at Fullerton, CA, and Sonoma Technology, Inc., Petaluma, CA (research funded by the William and Flora Hewlett Foundation; STI-905055-2912), March.

Tager I., Hammond S.K., Balmes J., Mann J., Mortimer K., Neugebauer R., van der Laan M., Lurmann F., Roberts P., Alcorn S., Vaughn D., Margolis H., and Macher J. (2005) Fresno Asthmatic Children's Environment Study (FACES). Final report prepared for the California Air Resources Board, Research Division, Sacramento, CA, by the University of California, Berkeley, Berkeley, CA; Sonoma Technology, Inc., Petaluma, CA; California Air Resources Board, Sacramento, CA; and California Department of Health Services, Richmond, CA, ARB Contract No. 99-322, December.

Penfold B.M. and Lurmann F.W. (2005) Alternate traffic assignments for the NIEHS Atherosclerosis Risk in Communities (ARIC) Study. Technical memorandum prepared for the National Institute of Environmental Health Sciences, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-904771.03-2850-TM, November.

McCarthy M.C., Hafner H.R., Brown S.G., Lurmann F.W., and Roberts P.T. (2005) Background and boundary conditions for particulate matter and precursors in the San Joaquin Valley in winter. Technical memorandum prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-902325-2779-TM, July.

- Tamura T.M., McCarthy M.C., Hafner H.R., Eisinger D.S., Roberts P.T., Lurmann F.W., Clark N., McMurry P.H., and Winer A. (2005) Transportation and particulate matter: assessment of recent literature and ongoing research. Final report prepared for the U.S. Federal Highway Administration, Washington, DC, by Sonoma Technology, Inc., Petaluma, CA, West Virginia University, Morgantown, WV, University of Minnesota, Minneapolis, MN, and University of California, Los Angeles, Los Angeles, CA, STI-904751-2669-FR, March.
- Peters J.M., Avol E., Berhane K., Gauderman J., Gilliland F., Künzli N., London S., McConnell R., Navidi W., Rappaport E., Thomas D., Lurmann F.W., Gong H., Linn W.S., and Bush D.H. (2004) Epidemiologic investigation to identify chronic effects of ambient pollutants in southern California. Final report prepared for the California Air Resources Board and the California Environmental Protection Agency, by the University of Southern California, Department of Preventative Medicine, Los Angeles, CA, Sonoma Technology, Inc., Petaluma, CA, Los Amigos Research and Education Institute, Downey, CA and Technical and Business Systems, Santa Rosa, CA, Contract No. 94-331.
- Hyslop N.P., O'Brien T.E., Roberts P.T., and Lurmann F.W. (2004) Exploratory data analysis of particulate matter concentrations in Corcoran, California. Final report prepared for the San Joaquin Valley Air Pollution Control District, Fresno, CA, by Sonoma Technology, Inc., Petaluma, CA, 999300-2485-FR, February.
- Vaughn D.L., Hyslop N.P., Roberts P.T., and Lurmann F.W. (2004) Summary of field operations for the home intensive and polycyclic aromatic hydrocarbon sampling conducted for the Fresno Asthmatic Children's Environment Study (FACES). Field Operations Summary Report Revision 1 prepared for University of California, Berkeley, CA, California Air Resources Board, Sacramento, CA, and U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-903373/902451-2381-R1, January.
- Alcorn S.H. and Lurmann F.W. (2003) Southern California children's health study exposure database. Final report prepared for the University of Southern California, School of Medicine, Los Angeles, CA, by Sonoma Technology, Inc., Petaluma, CA, 95230-2453-FR2, December.
- Peters J.M., Avol E., Berhane K., Gauderman J., Gilliland F., Künzli N., London S., McConnell R., Navidi W., Rappaport E., Thomas D., Lurmann F., Gong H., Linn W.S., and Bush D.H. (2003) Epidemiologic investigation to identify chronic effects of ambient pollutants in southern California. Final report prepared for California Air Resources Board and the California Environmental Protection Agency by USC Department of Preventative Medicine, Los Angeles, CA, Sonoma Technology, Inc., Petaluma, CA, Los Amigos Research and Education Institute, Downey, CA and Technical and Business Systems, Santa Rosa, CA, Contract No. 94-331, November.
- Hyslop N.P., Lurmann F.W., and Simon E.M. (2003) Nitrate replacement: literature review and CASTNet data analysis. Final Report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology Inc., Petaluma, CA, STI-902610-2419-FR, September.
- ENVIRON International Corporation, Sonoma Technology, Inc., and Carnegie Mellon University (2002) Development of an Advanced Photochemical Model for Particulate Matter: PMCAMx. Draft final report prepared for Coordinating Research Council, Inc., Alpharetta, GA, by ENVIRON International Corporation, Novato, CA, Sonoma Technology, Inc., Petaluma, CA, and Carnegie Mellon University, Pittsburgh, PA, CRC Project A-30, December.
- Hyslop N.M., Vaughn D.L., Roberts P.T., Lurmann F.W., and Hammond S.K. (2002) Quality assurance project plan for Fresno PAH sampling. Prepared for U.S. Environmental Protection Agency, Office of Transportation and Air Quality, Ann Arbor, MI, by Sonoma Technology, Inc., Petaluma, CA, and University of California, School of Public Health, Berkeley, CA, 902450-2246-QAPP, August.

- Tager I., Hammond S.K., Mortimer K., Neugebauer R., Balmes J.R., Hjelmroos-Koski M., van der Laan M., Margolis H., Lurmann F.W., Roberts P.T., and Hyslop N.P. (2002) Interim report for the Fresno Asthmatic Children's Environment Study (FACES). Report prepared for the Research Division of the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-900810-2222-FR, August.
- Lurmann F.W. (2002) Kaiser/NIH study on air pollution, race, SES, and asthma hospitalization risk. Prepared for Kaiser Foundation Research Institute, Oakland, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-901040-2228, July.
- Lurmann F.W., Roberts P.T., Hyslop N.P., Hammond K., Perrino C., Jenke D., and Grundel L. (2002) Environmental monitoring in Fresno to support PAH assessment for the FACES project, Phase 1: implementation of measurement systems. Report prepared for the U.S. Environmental Protection Agency Office of Transportation and Air Quality, Ann Arbor, MI, by Sonoma Technology, Inc., Petaluma, CA, STI-901390-2210-DFR, July.
- Hall J.V., Brajer V., Lurmann F.W., and Wu J. (2002) Economic valuation of ozone-related school absences in the South Coast Air Basin. Final report prepared for the California Air Resources Board, Sacramento, CA, and the South Coast Air Quality Management District, Diamond Bar, CA, by the Institute for Economic and Environmental Studies, California State University, Fullerton, CA, and Sonoma Technology, Inc., Petaluma, CA, STI-901250-2174-FR (ARB Contract No. 00-334, SCAQMD Contract No. 01215), March.
- Van Den Eeden S.K., Quesenberry C.P., Shan J., and Lurmann F. (2002) Particulate air pollution and morbidity in the California Central Valley: a high particulate pollution region. Final report prepared for California Air Resources Board, Sacramento, CA, by Kaiser Permanente, Northern California Region, Oakland, CA, and Sonoma Technology, Inc., Petaluma, CA, Contract 97-303, March.
- Lurmann F.W. (2000) Simplification of the UAMAERO Model for seasonal and annual modeling: the UAMAERO-LT Model. Report prepared for South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-999420-1996-FR, August.
- Lurmann F.W., Hall J.V., Kleinman M., Chinkin L.R., Brajer V., Meacher D., Mummery F., Arndt R.L., Funk T.H., Alcorn S.H., and Kumar N. (1999) Assessment of the health benefits of improving air quality in Houston, TX. Prepared for the City of Houston, TX, by Sonoma Technology, Inc., Petaluma, CA, California State University, Fullerton, CA, and University of California, Irvine, CA, STI-998460-1875-FR, November.
- Santos L., Sykes R.I., Karamchandani P., Seigneur C., Lurmann F.W., and Arndt R.L. (1999) Second-order closure puff model with aqueous-phase chemistry and aerosols. Report prepared for EPRI, Palo Alto, CA, by ARAP Group, Titan Research & Technology, Atmospheric and Environmental Research, Inc., and Sonoma Technology, Inc., STI-999090-1901-FR, August.
- Seinfeld J.H., Lurmann F.W., and Roth P.M. (1998) Grid-based aerosol modeling: a tutorial. Prepared for San Joaquin Valley Air Quality Study, Fresno, CA, by Envair, Albany, CA, with California Institute of Technology, Pasadena, CA, and Sonoma Technology, Inc., Petaluma, CA, STI-997220-2001-FR, November.
- MacDonald C.P., Roberts P.T., Main H.H., Kumar N., Haste T.L., Chinkin L.R., and Lurmann F.W. (1998) Analysis of meteorological and air quality data for North Carolina in support of modeling. Report prepared for North Carolina Department of Environment and Natural Resources, Division of Air Quality, Raleigh, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-997420-1818-DFR, October.

- Strader R., Gurciullo C.S., Pandis S.N., Kumar N., and Lurmann F.W. (1998) Development of gas-phase chemistry, secondary organic aerosol, and aqueous-phase chemistry modules for PM modeling. Final report prepared for the Coordinating Research Council, Atlanta, GA, by Carnegie Mellon University, Pittsburgh, PA, and Sonoma Technology, Inc., Petaluma, CA, STI-997510-1822-FR, October.
- Haste T.L., Chinkin L.R., Kumar N., Lurmann F.W., and Hurwitt S.B. (1998) Use of ambient data collected during IMS95 to evaluate a regional emission inventory for the San Joaquin Valley. Final report prepared for the San Joaquin Valleywide Air Pollution Study Agency, c/o the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-997211-1800-FR, July.
- Kumar N., Lurmann F.W., Pandis S., and Ansari A. (1998) Analysis of atmospheric chemistry during 1995 integrated monitoring study. Report prepared for the San Joaquin Valleywide Air Pollution Study Agency, c/o the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-997214-1791-FR, July.
- Lurmann F.W. (1998) NARSTO model intercomparison workshop summary. Draft report prepared for EPRI, Palo Alto, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-998300-1819-DFR, July.
- Strader R., Pandis S., and Lurmann F.W. (1998) 1995 integrated monitoring study data analysis: evaluation of secondary organic aerosol formation in winter. Final report prepared for the San Joaquin Valleywide Air Pollution Study Agency, c/o the California Air Resources Board, Sacramento, CA, by Carnegie Mellon University, Department of Chemical Engineering, Pittsburgh, PA, July.
- Roberts P.T., Main H.H., Dye T.S., Lurmann F.W., Chinkin L.R., Stoeckenius T., and Fujita E. (1998) Photochemical assessment monitoring stations (PAMS) data analysis for southern California: work plan. Work plan prepared for South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-997520-1799-WP, March.
- Blumenthal D.L., Kumar N., Chinkin L.R., Dye T.S., Roberts P.T., and Lurmann F.W. (1998) Nitrogen oxides transport from La Cygne Station, KS: A study for assessing its influence on urban ozone. Final report prepared for La Cygne Study Steering Committee by Sonoma Technology, Inc., Petaluma, CA, STI-997380-1762-FR, February.
- Dabdub D., DeHaan L.L., Kumar N., Lurmann F.W., and Seinfeld J.H. (1998) Development of the SAQM-AERO model and its application in the San Joaquin Valley of California. Report prepared for California Air Resources Board, Sacramento, CA, by California Institute of Technology, Pasadena, CA, and Sonoma Technology, Inc., Santa Rosa, CA, ARB Contract #92-304, February.
- Kumar N., Haste T., Prouty J., and Lurmann F.W. (1997) A user interface to the symptom-valuation model (SYMVAL). Report prepared for South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-95391-1767-UG, December.
- Kumar N. and Lurmann F.W. (1997) Application of the UAM-AERO model to two 1995 PM<sub>10</sub> episodes in the South Coast Air Basin. Final report prepared for South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-95390-1725-FR, December.
- Kumar N. and Lurmann F.W. (1997) Comparison of CAMx and UAM-V model performance for two ozone episodes in the eastern United States. Final report prepared for the Ohio Environmental Protection Agency, Division of Air Pollution Control, Columbus, OH, by Sonoma Technology, Inc., Santa Rosa, CA, STI-996203-1733-FR, June.

- Kumar N.K. and Lurmann F.W. (1997) Peer review of ENVIRON's ozone source apportionment technology and the CAMx air quality model. Report prepared for the Ohio Environmental Protection Agency, Division of Air Pollution Control, Columbus, OH, by Sonoma Technology, Inc., Santa Rosa, CA, STI-996203-1732-RFR, June.
- Lurmann F.W. and Kumar N. (1997) Evaluation of the UAM-V model performance in OTAG simulations. Phase I: summary of performance against surface observations. Final report prepared for Science Applications International Corporation, McClean, VA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-997250-1605-FR, May.
- Blumenthal D.L., Lurmann F.W., Kumar N., Dye T.S., Ray S.E., Korc M.E., Londergan R., and Moore G. (1997) Assessment of transport and mixing and OTAG model performance for Northeast U.S. ozone episodes. Summary of results. Report prepared for Ozone Transport Assessment Group, Air Quality Analysis Workgroup by Sonoma Technology, Inc., Santa Rosa, CA, and Earth Tech, Concord, MA, STI-996133-1710/1716-S, March.
- Kumar N. and Lurmann F.W. (1997) Comparison of CAMx and UAM-V model performance for the July 16-21, 1991, ozone episode in the eastern United States. Draft report prepared for the Ohio Environmental Protection Agency Division of Air Pollution Control, Columbus, OH, by Sonoma Technology, Inc., Santa Rosa, CA, STI-996303-1713-DR, March.
- Blumenthal D.L., Lurmann F.W., Kumar N., Ray S.E., Korc M.E., Londergan R., and Moore G. (1997) Transport and mixing phenomena related to ozone exceedances in the Northeast U.S. Working Draft No. 1.1 prepared for Ozone Transport Assessment Group Air Quality Analysis Workgroup by Sonoma Technology, Inc., Santa Rosa, CA, and Earth Tech, Concord, MA, STI-996133-1710-WD1.1, February.
- Blumenthal D.L., Lurmann F.W., Roberts P.T., Main H.H., MacDonald C.P., Knuth W.R., and Niccum E.M. (1997) Three-dimensional distribution and transport analyses for SJVAQS/AUSPEX. Final report prepared for San Joaquin Valley Air Pollution Study Agency, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, Technical & Business Systems, Santa Rosa, CA, and California Air Resources Board, Sacramento, CA, STI-91060-1705-FR, February.
- Lurmann F.W. and Kumar N. (1997) Development of chemical transformation algorithms for annual PM<sub>10</sub> dispersion models. Final report prepared for South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-95410-1602-FR, February.
- Kumar N., Lurmann F.W., and Morris R. (1997) Assessment of NO<sub>x</sub> RACT emission controls in Cincinnati with BEIS2 biogenic emissions. Draft final report prepared for Ohio Environmental Protection Agency, Columbus, OH, by Sonoma Technology, Inc., Santa Rosa, CA, and ENVIRON International Corp., Novato, CA, STI-996202-1626-DFR, January.
- Lurmann F.W. and Kumar N. (1997) Evaluation of the UAM-V model performance in OTAG simulations. Phase I: summary of performance against surface observations. Final report prepared for Science Applications International Corporation, McClean, VA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-996120-1605-FR, January.
- Lurmann F.W., Wexler A.S., Pandis S., Musarra S., Kumar N., Seinfeld J.H., and Hering S.V. (1997) Development of an acid deposition model (UAM-AERO) for the South Coast Air Basin. Final report prepared for California Air Resources Board, Sacramento, CA, by California Institute of Technology, Pasadena, CA, Sonoma Technology, Inc., Santa Rosa, CA, and Aerosol Dynamics, Inc., Berkeley, CA, ARB Contract No. 92-311.

- Kumar N. and Lurmann F.W. (1996) User's guide to the speciated rollback model for particulate matter. Report prepared for San Joaquin Valleywide Air Pollution Study Agency, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-94250-1576-UG, September.
- Kumar N. and Lurmann F.W. (1996) User's guide to the UAM-AERO model. Report prepared for California Air Resources Board, Sacramento, CA, San Joaquin Valley Air Pollution Study Agency, Sacramento, CA, and South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-93110-1600-UG, September.
- Lurmann F.W. and Kumar N. (1996) Symptom-valuation model SYMVAL version 1.1. User's guide prepared for South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-95391-1601-UG, September.
- Lurmann F.W., Kumar N., Loomis C., Cass G.R., Seinfeld J.H., Lowenthal D., and Reynolds S.D. (1996) PM<sub>10</sub> air quality models for application in the San Joaquin Valley PM<sub>10</sub> SIP. Final report prepared for San Joaquin Valleywide Air Pollution Study Agency, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-94250-1595-FR, ARB Contract No. 94-1PM, September.
- Richards L.W., Musarra S., Lurmann F.W., and Kumar N. (1996) STI atmospheric light-extinction model. Final report prepared for South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-91070-1564-FR, September.
- Avol E., Estes M., Navidi W., Rappaport E., Colome S., Lurmann F., Reiss R., and Hering S. (1996) Residential microenvironmental and personal sampling project for exposure classification. Final report prepared for California Air Resources Board, Sacramento, CA, by USC School of Medicine, Los Angeles, CA, Integrated Environmental Services, Irvine, CA, Sonoma Technology, Inc., Santa Rosa, CA, and Aerosol Dynamics Inc., Berkeley, CA, Contract No. 92-317, March.
- Kumar N. and Lurmann F.W. (1995) User's guide to the UAM-AERO model. Draft report prepared for San Joaquin Valleywide Air Pollution Study Agency, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-94250-1562-DUG, ARB Contract No. 94-1PM, December.
- Lurmann F.W. and Kumar N. (1995) Evaluation of photochemical models' performance in SIP applications. Final report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Santa Rosa, CA, Work Assignment 6-95, EPA Contract No. 68D30020, STI-94560-1555-FR, December.
- Lurmann F.W. (1995) Workplan for application of an episodic aerosol/visibility model to the South Coast Air Basin. Prepared for South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-95390-1548-WP, October.
- Kumar N. and Lurmann F.W. (1995) Modification of the OZIPR air quality modeling software for use with the SAPRC chemical mechanisms. Draft report prepared for Statewide Air Pollution Research Center, University of California, Riverside, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-99290-1545-DR, October.
- Kumar N., Lurmann F.W., and Carter W.P.L. (1995) Development of the flexible chemical mechanism version of the urban airshed model. Final report prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-94470-1508-FR, August.
- Peters J.M., Avol E., Cass G., Colome S., Gong H., Hering S., Linn W., London S., Lurmann F., Navidi W., Roberts P., Thomas D., and Reiss R. (1995) Epidemiologic investigation to identify chronic health effects of ambient air pollutants in southern California: Phase II final report. Report prepared for the California Air Resources Board, Sacramento, CA, by the University of Southern California School of Medicine, Department of Preventive Medicine, Los Angeles, CA, Contract No. A033-186, May.

- Peters J.M., Avol E., Cass G., Colome S., Gong H., Hering S., Linn W., London S., Lurmann F., Navidi W., Roberts P., Thomas D., and Reiss R. (1995) Epidemiologic investigation to identify chronic health effects of ambient air pollutants in southern California: Phase II final report, Appendix B. Report prepared for the California Air Resources Board, Sacramento, CA, by the University of Southern California School of Medicine, Department of Preventive Medicine, Los Angeles, CA, Contract No. A033-186, May.
- Roberts P.T., Roth P.M., Blanchard C.L., Korc M.E., and Lurmann F.W. (1995) Characteristics of VOC-limited and NO<sub>x</sub>-limited areas within the Lake Michigan air quality region. Technical memorandum prepared for Lake Michigan Air Directors Consortium, Des Plaines, IL, by Sonoma Technology, Inc., Santa Rosa, CA and Envair, Albany, CA, STI-92322-1504-TM, May.
- Blanchard C.L., Lurmann F.W., Korc M.E., and Roth P.M. (1994) The use of ambient data to corroborate analyses of ozone control strategies. Final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Santa Rosa, CA, and Envair, San Anselmo, CA, STI-94030-1433-FR, Contract No. 68D30020, December.
- Main H.H., Wright D.B., Stoelting M.W., Roberts P.T., Lurmann F.W., and Hering S.V. (1994) Quality assurance plan for the two-week acid/aerosol sampler as part of the epidemiologic investigation to identify chronic health effects of air pollutants in southern California. Version No. 3 prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, and Aerosol Dynamics, Inc., Berkeley, CA, STI-92372-1426-SOP, October.
- Lurmann F.W., Roberts P.T., Main H.H., Hering S.V., Avol E.L., and Colome S.D. (1994) Phase II report Appendix A: exposure assessment methodology. Final report prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, Aerosol Dynamics, Inc., Berkeley, CA, University of Southern California School of Medicine, Los Angeles, CA, and Integrated Environmental Services, Irvine, CA, STI-92340-1423-FR, October.
- Lurmann F.W. and Korc M.E. (1994) Characterization of human exposure to ozone and PM<sub>10</sub> in the San Francisco Bay Area. Final report prepared for Bay Area Air Quality Management District, San Francisco, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-93150-1416-FR, September.
- Main H.H., Chinkin L.R., Schoell B.M., Roberts P.T., and Lurmann F.W. (1994) Quality assurance plan for microenvironmental ozone measurements in schools as part of the epidemiologic investigation to identify chronic health effects of air pollutants. Version No. 02 prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-92372-1424-SOP, August.
- Lurmann F.W. and Korc M.E. (1994) User's guide to the regional human exposure (REHEX) model. Draft report prepared for Bay Area Air Quality Management District, San Francisco, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-93150-1414-DR, April.
- Strimaitis D., Insley E., Korc M.E., and Lurmann F.W. (1993) User's guide for the model evaluation methodology (MEM) system for comparing model performance. Final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Santa Rosa, CA, STI-93261-1392-FR, December.
- Blumenthal D.L., Lurmann F.W., Main H.H., Prouty J.D., Cleary P.G., Start G.E., Ricks N.R., Thuillier R.H., Solomon P.A., Gertler A.W., Watson J.G., and Pederson J.R. (1993) Field program plan for the San Joaquin Valley Air Quality Study (SJVAQS) and the atmospheric utility signatures, predictions, and experiments (AUSPEX) program. Version #3 post field revision prepared for the Valley Air Pollution Study Agency c/o California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-98020-1241-FR, October.

- Blumenthal D.L., Roberts P.T., Lurmann F.W., Lindsey C.G., Dye T.S., Reynolds S.D., and Roth P.M. (1993) Preliminary scope for a Gulf Coast Ozone Study. Final report prepared for the American Petroleum Institute, Washington, DC, by Sonoma Technology, Inc., Santa Rosa, CA, and Envair, San Rafael, CA, STI-91014-1202-FR, June.
- Lurmann F.W. (1993) User's guide to the regional human exposure (REHEX) model. Draft report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-90070-1363-D, May.
- Peters J.M., Avol E., Cass G., Collins J., Colome S., Hering S., London S., Linn W., Lurmann F., Navidi W., Roberts P., and Thomas D. (1992) Epidemiologic investigation to identify chronic health effects of ambient air pollutants in southern California: Phase I final report Phase II protocol. Report prepared for the California Air Resources Board, Sacramento, CA, by the University of Southern California School of Medicine Department of Preventive Medicine, Los Angeles, CA, Contract No. A033-186, July.
- Roberts P.T., Musarra S., Smith T.B., and Lurmann F.W. (1992) A study to determine the nature and extent of ozone and ozone precursor transport in selected areas of California. Final report prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-90060-1162-FR, April.
- Lurmann F.W. and Main H.H. (1992) Analysis of the ambient VOC data collected in the Southern California Air Quality Study. Final report prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-99120-1161-FR, Contract No. A823-130, February.
- Wexler A.S., Lurmann F.W., and Seinfeld J.H. (1992) Design of the aerosol module for the episodic aerosol/visibility dispersion model. Draft final report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-91070-1203-DFR, February.
- Lurmann F.W. and Colome S. (1991) 1991 AQMP revision technical report V-H: an assessment of current and future human exposure to ozone in the South Coast Air Basin. Final report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-90070-1022-FR, July.
- Lurmann F.W., Gery M., and Carter W.P. (1991) Implementation of the 1990 SAPRC chemical mechanism in the urban airshed model. Report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-99290-1164-FR, October.
- Tesche T.W., Roth P.M., Reynolds S.D., and Lurmann F.W. (1991) Scientific assessment of the urban airshed model (UAM-IV). Report prepared for American Petroleum Institute, Washington, DC, API-300-92, AG-90/TS16, August.
- Lurmann F.W. (1990) Application of the regional human exposure model using urban airshed model outputs. Report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-99130-1005, August.
- Lurmann F.W. (1990) User's guide to the regional human exposure model. Final report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-99130-1003, August.
- Main H.H. and Lurmann F.W. (1990) The development of a screening model to estimate atmospheric VOC reactivity from gasoline composition. Client confidential draft report prepared by Sonoma Technology, Inc., Santa Rosa, CA, STI-99220-1001-DR, January.

- Main H.H., Lurmann F.W., and Roberts P.T. (1990) Pollutant concentrations along the western boundary of the South Coast Air Basin Part I: a review of existing data. Final report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-90080-1016-FR, October.
- Tesche T.W., Georgopoulos P., Seinfeld J.H., Cass G., Lurmann F.W., and Roth P.M. (1990) Improvement of procedures for evaluating photochemical models. Final report prepared for California Air Resources Board, Sacramento, CA, by Radian Corporation, Sacramento, CA, Contract No. A832-103, March.
- Carter W.P.L. and Lurmann F.W. (1989) Evaluation of the RADM gas-phase chemical mechanism. Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by the University of California/Riverside, Riverside, CA, Agreement CR-814558-01.
- Lurmann F.W. (1989) VOC monitoring plan for the San Joaquin Valley Air Quality Study. Report prepared by Sonoma Technology, Inc., Santa Rosa, CA.
- Lurmann F.W. (1989) The effects of anthropogenic hydrocarbon emission reductions in urban areas with high biogenic hydrocarbon emission rates: Tampa/St. Petersburg case study. Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Lurmann & Associates, Santa Barbara, CA, P137-1.
- Lurmann F.W., Winer A.M., Poe M., and Durbin T. (1989) Sensitivity analysis of the regional human exposure (REHEX) model. Final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Santa Rosa, CA, STI-99170-992-FR.
- Stockwell W.R. and Lurmann F.W. (1989) Intercomparison of the ADOM and RADM gas-phase chemical mechanisms. Report prepared for the Electric Power Research Institute by State University of New York, Albany, NY.
- Winer A.M., Lurmann F.W., Coyner L.A., Colome S.D., and Poe M.P. (1989) Characterization of air pollutant exposures in the California South Coast Air Basin: application of a new regional human exposure (REHEX) model. Report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by the University of California/Riverside, Riverside, CA, Contract No. TSA 106-01-88.
- Kuntasal G. and Lurmann F.W. (1988) Development of a photochemical mechanism for long-term calculations. Final report prepared for Freie Universitat Berlin by ERT Inc., Newbury Park, CA, 2860-002-101.
- Lurmann F.W., Collins J., and Coyner L. (1988) Development of a chemical transformation submodel for annual PM<sub>10</sub> dispersion modeling. Final report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by ENSR, P-6190-003.
- Lurmann F.W., Watson J., Countess R., and Pratsinis S. (1988) A review of PM<sub>10</sub> air quality issues in the South Coast Air Basin. Report prepared by ERT, Newbury Park, CA, ERT No. 6200-006.
- Young J.R. and Lurmann F.W. (1988) Proceedings of the CRC methanol workshop. Final report prepared for the Coordinating Research Council, Atlanta, GA, by ERT Inc., Newbury Park, CA.
- Atkinson R., Jeffries H., Whitten G., and Lurmann F.W. (1987) Workshop on evaluation/documentation of chemical mechanisms. Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA/600/9-87/024.
- Lurmann F.W. and Karamchandani P.K. (1987) An updated gas-phase chemical mechanism with chlorine chemistry for the TADAP regional model. Final report prepared for Freie Universitat Berlin by ERT Inc., Newbury Park, CA, P-E142-201.

- Lurmann F.W., Carter W.P.L., and Coyner L.A. (1987) A surrogate species chemical reaction mechanism for urban-scale air quality simulation models. Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA/600/3-87/014.
- Blumenthal D.L., Smith T.B., Lehrman D.E., Alexander N.L., Lurmann F.W., and Godden D.A. (1986) Analysis of aerometric and meteorological data for the Ventura County Region. Final report prepared for the Western Oil and Gas Association (WOGA), Los Angeles, CA, by Sonoma Technology, Inc., Santa Rosa, CA, and Environmental Research & Technology, Inc., Newbury Park, CA, STI-90094-511-FR, Contract No. 83-8.0.05(3)-14-01-SOT.
- Carter W.P.L., Lurmann F.W., Atkinson R., and Lloyd A.C. (1986) Development and testing of a surrogate species chemical mechanism. Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA/600/3-86/031.
- Karamchandani P. and Lurmann F.W. (1986) Potential approaches for modeling acid deposition in California. Final report prepared for Southern California Edison Company, Rosemead, CA, by ERT Inc., Newbury Park, CA, P-D578-401.
- Karamchandani P., Lurmann F.W., and Venkatram A. (1986) Development of a model for the transport and deposition of acidifying pollutants (TADAP). Final report prepared for Umweltbundesamt, West Germany, by ERT Inc., Newbury Park, CA, P-B980-102.
- Lurmann F.W., Lloyd A.C., and Atkinson R. (1986) Suggested gas-phase species measurements for the Southern California Air Quality Study. Final report prepared for the Coordinating Research Council, Atlanta, GA, by ERT Inc., Newbury Park, CA, P-E124-001.
- Karamchandani P., Lurmann F.W., and Venkatram A. (1985) Acid deposition and oxidant model (ADOM) development program - volume 8: central operator design. Final report prepared for the Ontario Ministry of the Environment by ERT Inc., Westlake Village, CA, P-B866-450.
- Lurmann F.W. (1985) Analysis of the air quality impacts of exploratory drilling operations on OCS lease P-0504 in the Santa Maria basin. Final report prepared for Atlantic Richfield by ERT Inc., Newbury Park, CA.
- Lurmann F.W. (1985) Analysis of the ozone impacts of exploratory drilling operations on OCS lease P-0505 in the Santa Maria basin. Final report prepared for Gulf Production Company by ERT Inc., Newbury Park, CA.
- Lurmann F.W., Godden D.A., and Collins H.M. (1985) User's guide to the PLMSTAR air quality simulation model. Report prepared by ERT Inc., Newbury Park, CA, M-2206-100.
- Lurmann F.W., Young J.R., and Lloyd A.C. (1985) An evaluation of the role of hydrocarbons in the formation of strong acids in the atmosphere. Final report prepared for American Petroleum Institute, Washington, DC, by ERT Inc., Newbury Park, CA, P-D343-001.
- Scire J.S., Venkatram A., Lurmann F.W., and Yamartino R. (1985) Summary of recent sensitivity analyses with the ADOM/TADAP prototype model. Final report prepared for the Ontario Ministry of the Environment by ERT Inc., Newbury Park, CA, P-D205-280.
- Lurmann F.W., Lloyd A.C., and Atkinson R. (1984) Acid deposition and oxidant model (ADO) development program - volume 6: gas-phase chemistry. Final report prepared for the Ontario Ministry of the Environment by ERT Inc., Westlake Village, CA, P-B980-530.
- Scire J.S., Lurmann F.W., Bass A., and Hanna S.R. (1984) Development of the MESOPUFF II dispersion model. Final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by ERT Inc., Concord, MA, EPA Contract No. 68-02-3733.

- Young J.R. and Lurmann F.W. (1984) Acid deposition and oxidant model (ADOM) development program - volume 7: aqueous-phase chemistry. Final report prepared for the Ontario Ministry of the Environment by ERT Inc., Westlake Village, CA, P-B980-535.
- Godden D.A. and Lurmann (1983) Development of the PLMSTAR model and its application to ozone episode conditions in the South Coast Air Basin. Final report prepared for Southern California Edison Company, Rosemead, CA, by ERT, Westlake Village, CA, P-A702-200.
- Young J.R., Lurmann F.W., and Godden D.A. (1983) The role of mobile source emissions in the fogwater chemistry of the Los Angeles basin. Final report prepared for the Motor Vehicles Manufacturer's Association by ERT, Westlake Village, CA, P-B542-000.
- Grosjean D.A., Countess R., Fung K., Lurmann F.W., and Lloyd A.C. (1982) The Los Angeles captive air study. Final report prepared for the Coordinating Research Council, Atlanta, GA, by ERT, Westlake Village, CA, P-B764-300.
- Venkatram A., Lurmann F.W., and Yamartino R. (1982) Models for long range transport and deposition of atmospheric pollutants - Phase I: modeling system design. Final report prepared for the Ontario Ministry of the Environment by ERT Inc., Concord, MA.
- Lloyd A.C., Lurmann F.W., Godden D.A., Hutchins J.F., Eschenroeder A.Q., and Nordsieck R.A. (1979) Development of the ELSTAR photochemical air quality simulation model and its evaluation relative to the LARPP data base. Final report prepared for the Coordinating Research Council, Atlanta, GA, by ERT, Westlake Village, CA, P-5287-500.