



Volume 41

Issue 31

October 2007

ISSN 1352-2310

# ATMOSPHERIC ENVIRONMENT

**Air Pollution:** Emissions • Transport and dispersion • Transformation • Deposition  
Effects • Micrometeorology • Urban Atmosphere • Global Atmosphere





## CONTENTS

### Regular papers

- D. Hu and R.M. Kamens 6465 Evaluation of the UNC toluene-SOA mechanism with respect to other chamber studies and key model parameters
- D. Hu, M. Tolocka, Q. Li and R.M. Kamens 6478 A kinetic mechanism for predicting secondary organic aerosol formation from toluene oxidation in the presence of  $\text{NO}_x$  and natural sunlight
- N.A. Saliba, H. Kouyoumdjian and M. Roumié 6497 Effect of local and long-range transport emissions on the elemental composition of  $\text{PM}_{10-2.5}$  and  $\text{PM}_{2.5}$  in Beirut
- J. Leclair De Bellevue, J.L. Baray, S. Baldy, G. Ancellet, R. Diab and F. Ravetta 6510 Simulations of stratospheric to tropospheric transport during the tropical cyclone Marlene event
- F.D. Cobbett, A. Steffen, G. Lawson and B.J. Van Heyst 6527 GEM fluxes and atmospheric mercury concentrations (GEM, RGM and  $\text{Hg}^p$ ) in the Canadian Arctic at Alert, Nunavut, Canada (February–June 2005)
- C.-J. Lin, P. Pongprueksa, O. Russell Bullock Jr., S.E. Lindberg, S.O. Pehkonen, C. Jang, T. Braverman and T.C. Ho 6544 Scientific uncertainties in atmospheric mercury models II: Sensitivity analysis in the CONUS domain
- L.K. Baxter, J.E. Clougherty, C.J. Paciorek, R.J. Wright and J.I. Levy 6561 Predicting residential indoor concentrations of nitrogen dioxide, fine particulate matter, and elemental carbon using questionnaire and geographic information system based data
- M.L. Mittal, P.G. Hess, S.L. Jain, B.C. Arya and C. Sharma 6572 Surface ozone in the Indian region
- K.C. Wells, M. Witek, P. Flatau, S.M. Kreidenweis and D.L. Westphal 6585 An analysis of seasonal surface dust aerosol concentrations in the western US (2001–2004): Observations and model predictions
- C.-W. Lee and D.-J. Hsu 6598 Measurements of fine and ultrafine particles formation in photocopy centers in Taiwan
- P. Heinrich, O. Coindreau, Y. Grillon, X. Blanchard and P. Gross 6610 Simulation of the atmospheric concentrations of  $^{210}\text{Pb}$  and  $^7\text{Be}$  and comparison with daily observations at three surface sites

*Continued on inside back cover*

Indexed/Abstracted in: *Anal Abstr. Acid Pre Dig, Air Poll Titles, Appl Sci Technol, Appl Sci Technol, Appl Sci Technol Index, Appl Sci Technol Abstr, Current Contents, Aqua Abstr, Biosis Data, CAB Inter, Cam Sci Abstr, Chem Eng Abstr, Chemical Abstracts Service, CABS, Environ Per Bibl, Excerpt Med, Fluid Abstr Civ Eng, Fluid Abstr Process Eng. FLUIDEX, Geo Abstr, INSPEC Data, PASCAL-CNRS Data, SCISEARCH Data, TCEA, Tribol Corros Abstr, Meteorolog Geostrophys Abstr.* Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.



1352-2310(2007)41:31;1-M

Printed by Polestar Wheatons Ltd., Exeter, UK



ELSEVIER

ISSN 1352-2310  
41(31) 6465–6690 (2007)



- A. Puustinen, K. Hämeri, J. Pekkanen, M. Kulmala, J. de Hartog, K. Meliefste, H. ten Brink, G. Kos, K. Katsouyanni, A. Karakatsani, A. Kotronarou, I. Kavouras, C. Meddings, S. Thomas, R. Harrison, J.G. Ayres, S. van der Zee and G. Hoek 6622 Spatial variation of particle number and mass over four European cities
- F. Costabile and I. Allegrini 6637 Measurements and analyses of nitrogen oxides and ozone in the yard and on the roof of a street-canyon in Suzhou
- L.-Y. Hsieh, S.-C. Kuo, C.-L. Chen and Y.I. Tsai 6648 Origin of low-molecular-weight dicarboxylic acids and their concentration and size distribution variation in suburban aerosol
- J. Stamenkovic, S. Lyman and M.S. Gustin 6662 Seasonal and diel variation of atmospheric mercury concentrations in the Reno (Nevada, USA) airshed
- H. Harmens, D.A. Norris, G.R. Koerber, A. Buse, E. Steinnes and A. Rühling 6673 Temporal trends in the concentration of arsenic, chromium, copper, iron, nickel, vanadium and zinc in mosses across Europe between 1990 and 2000
- Corrigendum**
- G. Stevens, B. de Foy, J.J. West and J.I. Levy 6688 Corrigendum to “Developing intake fraction estimates with limited data: Comparison of methods in Mexico City” [Atmos. Environ. 41 (2007) 3672–3683]

