



Volume 41

Issue 19

June 2007

ISSN 1352-2310

# ATMOSPHERIC ENVIRONMENT

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



## CONTENTS

### Announcement

- H.B. Singh and P. Brimblecombe 3943 Nominations sought for the 2007 Haagen-Smit Prize

### Regular papers

- Y. Wang, Y. Choi, T. Zeng, D. Davis, M. Buhr, L. Gregory Huey and W. Neff 3944 Assessing the photochemical impact of snow NO<sub>x</sub> emissions over Antarctica during ANTICI 2003
- K.H. Lee, Y.J. Kim, W. von Hoyningen-Huene and J.P. Burrow 3959 Spatio-temporal variability of satellite-derived aerosol optical thickness over Northeast Asia in 2004
- K.J. Bein, Y. Zhao, M.V. Johnston and A.S. Wexler 3974 Identification of sources of atmospheric PM at the Pittsburgh Supersite—Part III: Source characterization
- I.M. Pérez, P.J. Wooldridge and R.C. Cohen 3993 Laboratory evaluation of a novel thermal dissociation chemiluminescence method for in situ detection of nitrous acid
- S.-C. Chang and C.-T. Lee 4002 Secondary aerosol formation through photochemical reactions estimated by using air quality monitoring data in Taipei City from 1994 to 2003
- N. Shinohara, M. Fujii, A. Yamasaki and Y. Yanagisawa 4018 Passive flux sampler for measurement of formaldehyde emission rates
- M. Hyttinen, P. Pasanen, M. Björkroth and P. Kalliokoski 4029 Odors and volatile organic compounds released from ventilation filters
- F. Davies, D.R. Middleton and K.E. Bozier 4040 Urban air pollution modelling and measurements of boundary layer height
- D.W. Griffin, N. Kubilay, M. Koçak, M.A. Gray, T.C. Borden and E.A. Shinn 4050 Airborne desert dust and aeromicrobiology over the Turkish Mediterranean coastline
- L. Zhang, C. Song, D. Wang, Y. Wang and X. Xu 4063 The variation of methane emission from freshwater marshes and response to the exogenous N in Sanjiang Plain Northeast China
- M. Lewandowski, M. Jaoui, T.E. Kleindienst, J.H. Offenberg and E.O. Edney 4073 Composition of PM<sub>2.5</sub> during the summer of 2003 in Research Triangle Park, North Carolina
- W. Zhao, P.K. Hopke, E.W. Gelfand and N. Rabinovitch 4084 Use of an expanded receptor model for personal exposure analysis in schoolchildren with asthma

*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.*



1352-2310(2007)41:19;1-K

- 
- |  |      |  |
|--|------|--|
| P.K. Mudgal, S.P. Bansal and K.S. Gupta  | 4097 | Kinetics of atmospheric oxidation of nitrous acid by oxygen in aqueous medium  |
| I. Salma, R. Ocskay, X. Chi and W. Maenhaut  | 4106 | Sampling artefacts, concentration and chemical composition of fine water-soluble organic carbon and humic-like substances in a continental urban atmospheric environment |
| S. Qian, H. Sakurai and P.H. McMurry   | 4119 | Characteristics of regional nucleation events in urban East St. Louis  |
| C.-W. Chiang, W.-N. Chen, W.-A. Liang, S.K. Das and J.-B. Nee                              | 4128 | Optical properties of tropospheric aerosols based on measurements of lidar, sun-photometer, and visibility at Chung-Li (25°N, 121°E)                                     |
| E.C. Santiago and M.G. Cayetano  | 4138 | Polycyclic aromatic hydrocarbons in ambient air in the Philippines derived from passive sampler with polyurethane foam disk  |
| J. Theloke and R. Friedrich  | 4148 | Compilation of a database on the composition of anthropogenic VOC emissions for atmospheric modeling in Europe   |
| <b>Corrigendum</b><br>M.C. Gabriel, D.G. Williamson and S. Brooks                          | 4161 | Corrigendum to “Atmospheric speciation of mercury in two contrasting Southeastern US airsheds” [Atmospheric Environment 39 (2005) 4947–4958]                             |
| <b>Erratum</b><br>F.J. Jiménez-Hornero, J.V. Giráldez, E. Gutiérrez de Ravé and F.J. Moral | 4162 | Erratum to “Description of pollutant dispersion in an urban street canyon using two-dimensional lattice model” [Atmospheric Environment 41 (2006) 221–226]               |