



Volume 41

Issue 21

July 2007

ISSN 1352-2310

ATMOSPHERIC ENVIRONMENT

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



ATMOSPHERIC ENVIRONMENT

<http://www.elsevier.com/locate/atmosenv>

Volume 41 Issue 21

2007

CONTENTS

Regular papers

- S.-o. Lai, T.M. Holsen, P.K. Hopke and P. Liu 4337 Wet deposition of mercury at a New York state rural site: Concentrations, fluxes, and source areas
- Y. Feng, A. Wang, D. Wu and X. Xu 4349 The influence of tropical cyclone Melor on PM₁₀ concentrations during an aerosol episode over the Pearl River Delta region of China: Numerical modeling versus observational analysis
- P. Weiss-Penzias, D. Jaffe, P. Swartzendruber, W. Hafner, D. Chand and E. Prestbo 4366 Quantifying Asian and biomass burning sources of mercury using the Hg/CO ratio in pollution plumes observed at the Mount Bachelor observatory
- K.-H. Kim 4380 Airborne cadmium in the major monitoring locations in Korea between 1991 and 2004
- B. Silva, T. Rivas, E. García-Rodeja and B. Prieto 4396 Distribution of ions of marine origin in Galicia (NW Spain) as a function of distance from the sea
- A. Pugatshova, A. Reinart and E. Tamm 4408 Features of the multimodal aerosol size distribution depending on the air mass origin in the Baltic region
- M.N. Chan and C.K. Chan 4423 Mass transfer effects on the hygroscopic growth of ammonium sulfate particles with a water-insoluble coating
- R. Borge, J. Lumbreras, S. Vardoulakis, P. Kassomenos and E. Rodríguez 4434 Analysis of long-range transport influences on urban PM₁₀ using two-stage atmospheric trajectory clusters
- S.-H. Lee, Y.-K. Kim, H.-S. Kim and H.-W. Lee 4451 Influence of dense surface meteorological data assimilation on the prediction accuracy of ozone pollution in the southeastern coastal area of the Korean Peninsula
- S. Lee and L. Ashbaugh 4466 Comparison of the MURA and an improved single-receptor (SIRA) trajectory source apportionment (TSA) method using artificial sources
- J.C. Harrison, J.E. Ham and J.R. Wells 4482 Citronellal reactions with ozone and OH radical: Rate constants and gas-phase products detected using PFBHA derivatization
- N. Kumar, A. Chu and A. Foster 4492 An empirical relationship between PM_{2.5} and aerosol optical depth in Delhi Metropolitan

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, Meteorol Geostrophys Abstr.* Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.



1352-2310(2007)41:21;1-P

Printed by Polestar Wheatons Ltd., Exeter, UK



ISSN 1352-2310

41(21) 4337-4558 (2007)

- M.P.M. Taha, G.H. Drew, A. Tamer,
G. Hewings, G.M. Jordinson,
P.J. Longhurst and S.J.T. Pollard 4504 Improving bioaerosol exposure assessments of composting facilities — Comparative modelling of emissions from different compost ages and processing activities
- A. Becker, G. Wotawa, L.-E. De Geer,
P. Seibert, R.R. Draxler, C. Sloan,
R. D'Amours, M. Hort, H. Glaab,
P. Heinrich, Y. Grillon, V. Shershakov,
K. Katayama, Y. Zhang, P. Stewart,
M. Hirtl, M. Jean and P. Chen 4520 Global backtracking of anthropogenic radionuclides by means of a receptor oriented ensemble dispersion modelling system in support of Nuclear-Test-Ban Treaty verification
- A.A. Sawant, S.D. Shah, X. Zhu,
J.W. Miller and D.R. Cocker 4535 Real-world emissions of carbonyl compounds from in-use heavy-duty diesel trucks and diesel Back-Up Generators (BUGs)

Short communication

- K. Gierens 4548 Are fuel additives a viable contrail mitigation option?

Technical note

- L.D. Knibbs, R.J. de Dear,
L. Morawska and P.M. Coote 4553 A simple and inexpensive dilution system for the TSI 3007 condensation particle counter



Available online at www.sciencedirect.com



ISSN 1352-2310

41(21) 4337–4558 (2007)