



Volume 41

Issue 11

April 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 11

2007

CONTENTS

Regular papers

- Z. Ross, M. Jerrett, K. Ito, B. Tempalski and G.D. Thurston 2255 A land use regression for predicting fine particulate matter concentrations in the New York City region
- F.D. Cobbett and B.J. Van Heyst 2270 Measurements of GEM fluxes and atmospheric mercury concentrations (GEM, RGM and Hg^P) from an agricultural field amended with biosolids in Southern Ont., Canada (October 2004–November 2004)
- C.T. Allen, G.S. Young and S.E. Haupt 2283 Improving pollutant source characterization by better estimating wind direction with a genetic algorithm
- H. Järnström, K. Saarela, P. Kalliokoski and A.-L. Pasanen 2290 Reference values for structure emissions measured on site in new residential buildings in Finland
- L. Auger and B. Legras 2303 Chemical segregation by heterogeneous emissions
- D. Kim and W.R. Stockwell 2319 An online coupled meteorological and air quality modeling study of the effect of complex terrain on the regional transport and transformation of air pollutants over the Western United States
- B. Blocken and J. Carmeliet 2335 On the errors associated with the use of hourly data in wind-driven rain calculations on building facades
- F. Li and J. Niu 2344 Control of volatile organic compounds indoors—Development of an integrated mass-transfer-based model and its application
- A.J. Dore, M. Vieno, Y.S. Tang, U. Dragosits, A. Dosio, K.J. Weston and M.A. Sutton 2355 Modelling the atmospheric transport and deposition of sulphur and nitrogen over the United Kingdom and assessment of the influence of SO₂ emissions from international shipping
- A.A. Karanasiou, I.E. Sitaras, P.A. Siskos and K. Eleftheriadis 2368 Size distribution and sources of trace metals and *n*-alkanes in the Athens urban aerosol during summer
- D. Widory 2382 Nitrogen isotopes: Tracers of origin and processes affecting PM₁₀ in the atmosphere of Paris
- H. Dong, Z. Zhu, B. Shang, G. Kang, H. Zhu and H. Xin 2391 Greenhouse gas emissions from swine barns of various production stages in suburban Beijing, China

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)41:11;1-S

Printed in Great Britain by BPC Wheatons Ltd., Exeter

246



ELSEVIER

ISSN 1352-2310
41(11) 2255-2476 (2007)

- | | | |
|---|------|--|
| M.F. Hovmand, J. Vikelsøe and H.V. Andersen | 2400 | Atmospheric bulk deposition of dioxin and furans to Danish background areas |
| A. Monod, E. Chevallier, R. Durand Jolibois, J.F. Doussin, B. Picquet-Varrault and P. Carlier | 2412 | Photooxidation of methylhydroperoxide and ethylhydroperoxide in the aqueous phase under simulated cloud droplet conditions |
| M. Speidel, R. Nau, F. Arnold, H. Schlager and A. Stohl | 2427 | Sulfur dioxide measurements in the lower, middle and upper troposphere: Deployment of an aircraft-based chemical ionization mass spectrometer with permanent in-flight calibration |
| D.Q. Zheng, J.K.C. Leung, B.Y. Lee and H.Y. Lam | 2438 | Data assimilation in the atmospheric dispersion model for nuclear accident assessments |
| D. Asensio, J. Peñuelas, R. Ogaya and J. Llusà | 2447 | Seasonal soil and leaf CO ₂ exchange rates in a Mediterranean holm oak forest and their responses to drought conditions |
| D. Asensio, J. Peñuelas, R. Ogaya and J. Llusà | 2456 | Seasonal soil VOC exchange rates in a Mediterranean holm oak forest and their responses to drought conditions |
| I.-F. Mao, C.-N. Chen, Y.-C. Lin and M.-L. Chen | 2467 | Airborne particle PM _{2.5} /PM ₁₀ mass distribution and particle-bound PAH concentrations near a medical waste incinerator |