



Volume 41

Issue 32

October 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 32

2007

## CONTENTS

### Regular papers

- C. de Fouquet, D. Gallois and G. Perron 6691 Geostatistical characterization of nitrogen dioxide concentration in an urban area Part II: Time component of the estimation error
- C. de Fouquet, D. Gallois and G. Perron 6701 Geostatistical characterization of the nitrogen dioxide concentration in an urban area Part I: Spatial variability and cartography of the annual concentration
- K. Na and Y. Pyo Kim 6715 Chemical mass balance receptor model applied to ambient C2–C9 VOC concentration in Seoul, Korea: Effect of chemical reaction losses
- P. Richter, P. Griño, I. Ahumada and A. Giordano 6729 Total element concentration and chemical fractionation in airborne particulate matter from Santiago, Chile
- D.M. Chate, K. Ali, G.A. Momin, P.S.P. Rao, P.S. Praveen, P.D. Safai and P.C.S. Devara 6739 Scavenging of sea-salt aerosols by rain events over Arabian Sea during ARMEX
- R. Jain, J. Vaughan, K. Heitkamp, C. Ramos, C. Claiborn, M. Schreuder, M. Schaaf and B. Lamb 6745 Development of the ClearSky smoke dispersion forecast system for agricultural field burning in the Pacific Northwest
- H.-S. Kim, J.-B. Huh, P.K. Hopke, T.M. Holsen and S.-M. Yi 6762 Characteristics of the major chemical constituents of PM<sub>2.5</sub> and smog events in Seoul, Korea in 2003 and 2004
- I. Negrón-Escanciación and R. Arce 6771 Light-induced transformations of aza-aromatic pollutants adsorbed on models of atmospheric particulate matter: Acridine and 9(10-H) acridone
- P. Lin, M. Hu, Z. Wu, Y. Niu and T. Zhu 6784 Marine aerosol size distributions in the springtime over China adjacent seas
- H. Salonen, S. Lappalainen, O. Lindroos, R. Harju and K. Reijula 6797 Fungi and bacteria in mould-damaged and non-damaged office environments in a subarctic climate
- J. Feng 6808 A 3-mode parameterization of below-cloud scavenging of aerosols for use in atmospheric dispersion models
- J. Crawford, S. Chambers, D.D. Cohen, L. Dyer, T. Wang and W. Zahorowski 6823 Receptor modelling using Positive Matrix Factorisation, back trajectories and Radon-222
- B. Langmann 6838 A model study of smoke-haze influence on clouds and warm precipitation formation in Indonesia 1997/1998

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



1352-2310(2007)41:32;1-L

Printed by Polestar Wheatons Ltd., Exeter, UK



ISSN 1352-2310

41(32) 6691–6922 (2007)

- R.-B. Sun, Z.-G. Xi, F.-H. Chao,  
W. Zhang, H.-S. Zhang and D.-F. Yang 6853 Decomposition of low-concentration gas-phase toluene using plasma-driven photocatalyst reactor
- N. Mihalopoulos, V.M. Kerminen,  
M. Kanakidou, H. Berresheim and  
J. Sciare 6860 Formation of particulate sulfur species (sulfate and methanesulfonate) during summer over the Eastern Mediterranean: A modelling approach
- L. Husain, V.A. Dutkiewicz, A.J. Khan  
and B.M. Ghauri 6872 Characterization of carbonaceous aerosols in urban air
- S.-C. Kuo, L.-Y. Hsieh, C.-H. Tsai and  
Y.I. Tsai 6884 Characterization of PM<sub>2.5</sub> fugitive metal in the workplaces and the surrounding environment of a secondary aluminum smelter
- Short communications**
- Z.Y. Meng, X.M. Jiang, P. Yan, W.L. Lin,  
H.D. Zhang and Y. Wang 6901 Characteristics and sources of PM<sub>2.5</sub> and carbonaceous species during winter in Taiyuan, China
- S.N. Tripathi, A.K. Srivastava, S. Dey,  
S.K. Satheesh and K. Krishnamoorthy 6909 The vertical profile of atmospheric heating rate of black carbon aerosols at Kanpur in northern India
- H. Yan 6916 Aerosol scattering properties in northern China



Available online at [www.sciencedirect.com](http://www.sciencedirect.com)



ISSN 1352-2310

41(32) 6691–6922 (2007)