

Volume 41

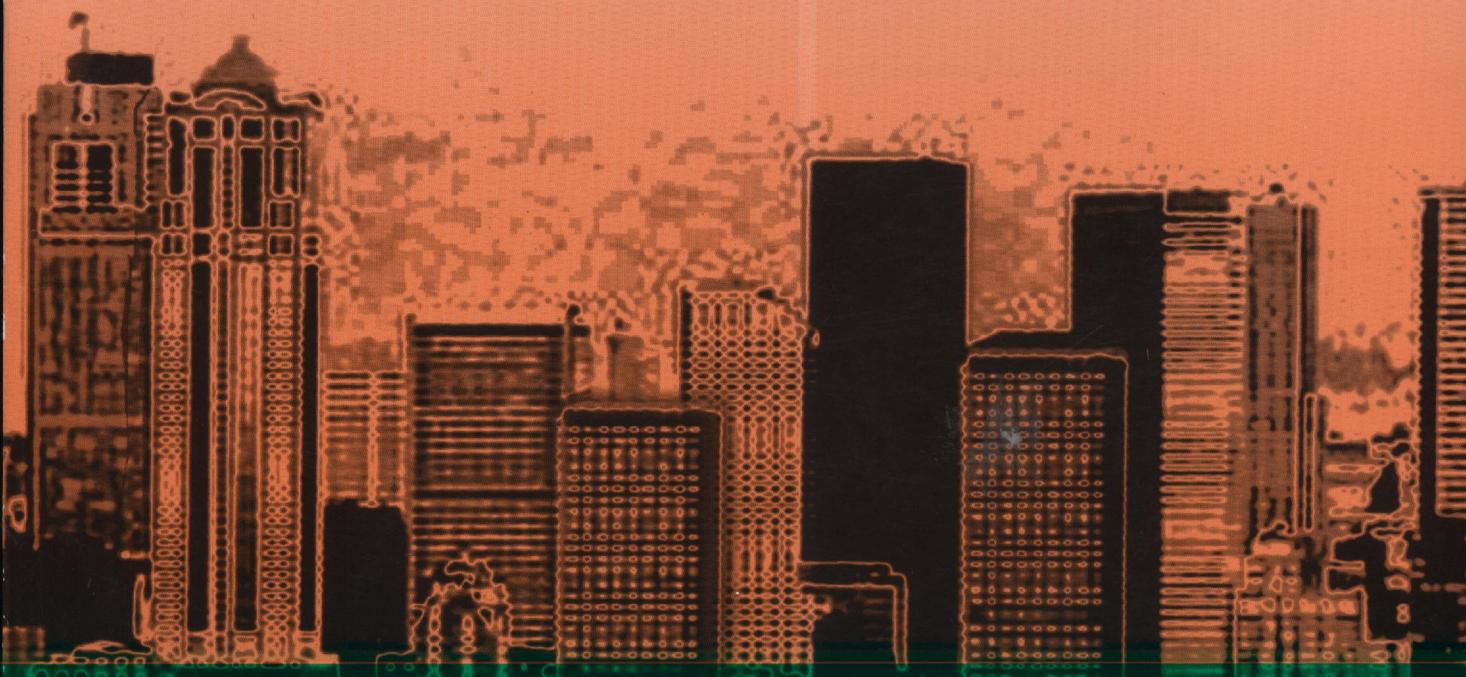
Issue 16

May 2007

ISSN 1352-2310

ATMOSPHERIC ENVIRONMENT

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



ATMOSPHERIC ENVIRONMENT

VOLUME 41 NUMBER 16

CONTENTS—*continued from outside back cover*

- M.A. Arain, R. Blair, N. Finkelstein,
J.R. Brook, T. Sahsuvaroglu,
B. Beckerman, L. Zhang and M. Jerrett 3453 The use of wind fields in a land use regression model to predict air pollution concentrations for health exposure studies
- S.A. Penkett, R.A. Burgess, H. Coe,
I. Coll, Ø. Hov, A. Lindsjög,
N. Schmidbauer, S. Solberg, M. Roemer,
T. Thijssse, J. Beck and C.E. Reeves 3465 Evidence for large average concentrations of the nitrate radical (NO_3) in Western Europe from the Hansa hydrocarbon database
- S. Biswas, L. Ntziachristos, K.F. Moore
and C. Sioutas 3479 Particle volatility in the vicinity of a freeway with heavy-duty diesel traffic
- L.M.M. de Albuquerque, A.C.P. Filho,
T.G. Torres, E. Kassar, H.J.S. de Matos
Filho, M.G.G. Carrijo, H.G. Pavão and
A. de Souza 3494 Subsidies to the creation of a regional model of forest fire hazard:
Taquari River Springs Park, MS—A case study
- Y. Lin and W.G. Cobourn 3502 Fuzzy system models combined with nonlinear regression for daily ground-level ozone predictions

ATMOSPHERIC ENVIRONMENT

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

Volume 41 Issue 16

2007

CONTENTS

Regular papers

C. Gromke and B. Ruck	3287	Influence of trees on the dispersion of pollutants in an urban street canyon—Experimental investigation of the flow and concentration field
D. Vione, C. Minero, A. Hamraoui and M. Privat	3303	Modelling photochemical reactions in atmospheric water droplets: An assessment of the importance of surface processes
J.D. Whyatt, S.E. Metcalfe, J. Nicholson, R.G. Derwent, T. Page and J.R. Stedman	3315	Regional scale modelling of particulate matter in the UK, source attribution and an assessment of uncertainties
X. Yao, N.T. Lau, C.K. Chan and M. Fang	3328	Size distributions and condensation growth of submicron particles in on-road vehicle plumes in Hong Kong
E.S. Edgerton, R.D. Saylor, B.E. Hartsell, J.J. Jansen and D.A. Hansen	3339	Ammonia and ammonium measurements from the southeastern United States
E.G. Malcolm and G.J. Keeler	3352	Evidence for a sampling artifact for particulate-phase mercury in the marine atmosphere
B.-S. Lee and C.-B. Chiou	3360	The use of CFC-12, CFC-11 and CH_3CCl_3 to trace terrestrial airborne pollutant transport by land-sea breezes
H.-H. Yang, M.-Y. Lo, J. Chi-Wei Lan, J.-S. Wang and D.P.H. Hsieh	3373	Characteristics of <i>trans,trans</i> -2,4-decadienal and polycyclic aromatic hydrocarbons in exhaust of diesel engine fueled with biodiesel
S. Van Roosbroeck, J. Jacobs, N.A.H. Janssen, M. Oldenwening, G. Hoek and B. Brunekreef	3381	Long-term personal exposure to $\text{PM}_{2.5}$, soot and NO_x in children attending schools located near busy roads, a validation study
Z.-T. Xie, P. Hayden, A.G. Robins and P.R. Voke	3395	Modelling extreme concentrations from a source in a turbulent flow over a rough wall
W.C. Malm and J.L. Hand	3407	An examination of the physical and optical properties of aerosols collected in the IMPROVE program
A. Kannari, Y. Tonooka, T. Baba and K. Murano	3428	Development of multiple-species 1km×1km resolution hourly basis emissions inventory for Japan
J.C. Doran, K.J. Allwine, J.E. Flaherty, K.L. Clawson and R.G. Carter	3440	Characteristics of puff dispersion in an urban environment



Continued on inside back cover

