

Volume 41

Issue 27

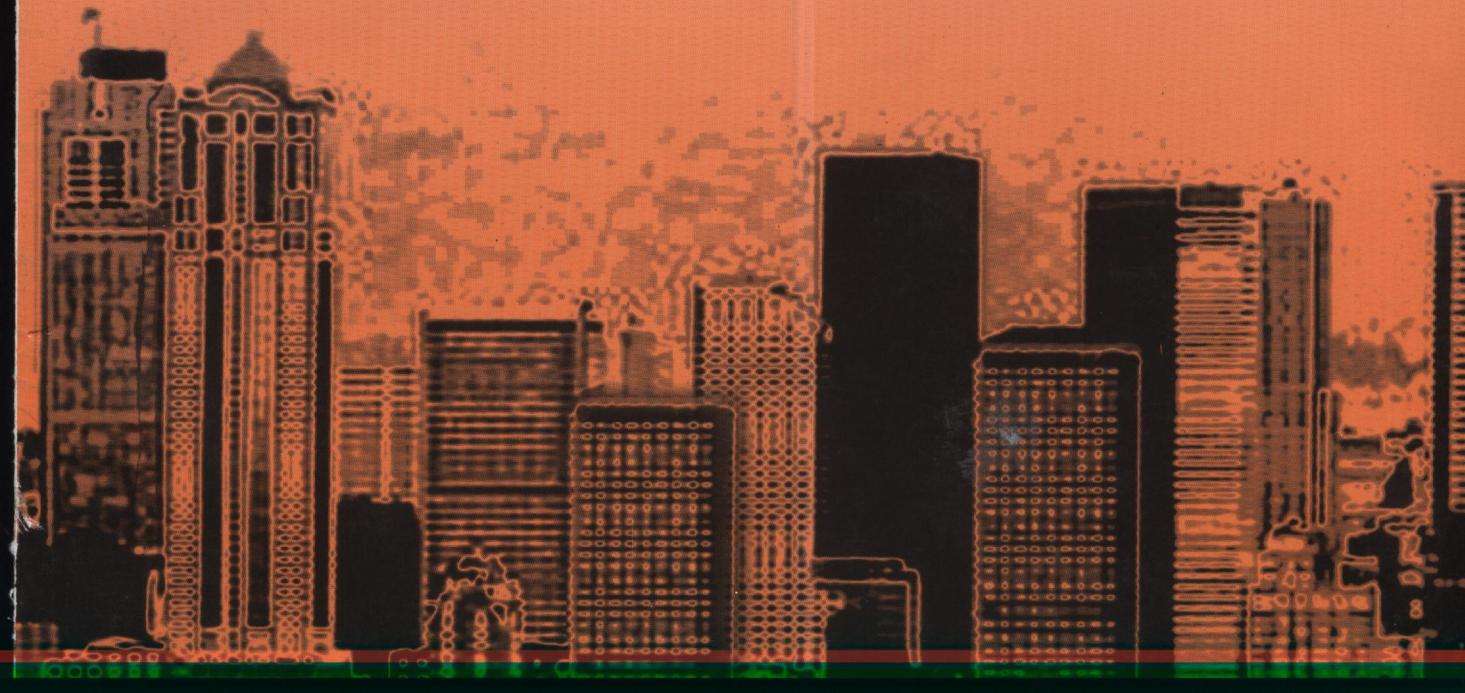
September 2007

ISSN 1352-2310



ATMOSPHERIC ENVIRONMENT

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



L. Ntziachristos, Z. Ning, M.D. Geller, R.J. Sheesley, J.J. Schauer and C. Sioutas	5684	Fine, ultrafine and nanoparticle trace element compositions near a major freeway with a high heavy-duty diesel fraction
J. Liu, Y. Mu, C. Geng, Y. Yu, H. He and Y. Zhang	5697	Uptake and conversion of carbonyl sulfide in a lawn soil
B. Hu, Y. Wang and G. Liu	5707	Ultraviolet radiation spatio-temporal characteristics derived from the ground-based measurements taken in China
G. Sistla and N. Aleksic	5719	A comparison of PAMS and air toxics measurements
A. Voudouri and G. Kallos	5732	Validation of the integrated RAMS-Hg modelling system using wet deposition observations for eastern North America
S.W. Fleming	5746	An information theoretic perspective on mesoscale seasonal variations in ground-level ozone
T.C. Tran and P.J. Marriott	5756	Characterization of incense smoke by solid phase micro- extraction—Comprehensive two-dimensional gas chromatography (GC × GC)
M.A. Teruel, M.B. Blanco and G.R. Luque	5769	Atmospheric fate of acrylic acid and acrylonitrile: Rate constants with Cl atoms and OH radicals in the gas phase
K.E. Kennedy, D.W. Hawker, J.F. Müller, M.E. Bartkow and R.W. Truss	5778	A field comparison of ethylene vinyl acetate and low-density polyethylene thin films for equilibrium phase passive air sampling of polycyclic aromatic hydrocarbons
P. Wang, S.P. Bi, Y.P. Zhou, Q.S. Tao, W.X. Gan, Y. Xu, Z. Hong and W.S. Cai	5788	Study of aluminium distribution and speciation in atmospheric particles of different diameters in Nanjing, China
Short communications		
F.D. Tillman Jr. and J.W. Weaver	5797	Parameter sets for upper and lower bounds on soil-to-indoor-air contaminant attenuation predicted by the Johnson and Ettinger vapor intrusion model
T.M. Ruuskanen, H. Hakola, M.K. Kajos, H. Hellén, V. Tarvainen and J. Rinne	5807	Volatile organic compound emissions from Siberian larch
New Directions		
D.S. Reay, P. Smith, G. Hymus and C. Sabine	5813	New Directions: The changing role of the terrestrial carbon sink in determining atmospheric CO ₂ concentrations

ATMOSPHERIC ENVIRONMENT

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

Volume 41 Issue 27

2007

CONTENTS

New Directions

"New Directions: The changing role of the terrestrial carbon sink in determining atmospheric CO₂ concentrations"

D.S. Reay, P. Smith, G. Hymus and C. Sabine [p. 5813–5815]

Regular papers

C. Oliveira, C. Pio, C. Alves, M. Evtyugina, P. Santos, V. Gonçalves, T. Nunes, A.J.D. Silvestre, F. Palmgren, P. Wöhlin and S. Harrad	5555	Seasonal distribution of polar organic compounds in the urban atmosphere of two large cities from the North and South of Europe
Y. Iinuma, C. Müller, O. Böge, T. Gnauk and H. Herrmann	5571	The formation of organic sulfate esters in the limonene ozonolysis secondary organic aerosol (SOA) under acidic conditions
S. Wang, X. Feng, G. Qiu, X. Fu and Z. Wei	5584	Characteristics of mercury exchange flux between soil and air in the heavily air-polluted area, eastern Guizhou, China
S. Tiwari, U.C. Kulshrestha and B. Padmanabhamurty	5595	Monsoon rain chemistry and source apportionment using receptor modeling in and around National Capital Region (NCR) of Delhi, India
S.L. Napelenok, F.D. Habermacher, F. Akhtar, Y. Hu and A.G. Russell	5605	Area of influence (AOI) sensitivity analysis: Application to Atlanta, Georgia
M.A. Rodriguez, J. Brouwer, G.S. Samuels and D. Dabdub	5618	Air quality impacts of distributed power generation in the South Coast Air Basin of California 2: Model uncertainty and sensitivity analysis
B.A. Khan, C.R. de Freitas and D. Shooter	5636	Application of synoptic weather typing to an investigation of nocturnal ozone concentration at a maritime location, New Zealand
T.D. Durbin, D.R. Cocker III, A.A. Sawant, K. Johnson, J.W. Miller, B.B. Holden, N.L. Helgeson and J.A. Jack	5647	Regulated emissions from biodiesel fuels from on/off-road applications
A.B. Lobscheid, T.E. McKone and D.A. Vallero	5659	Exploring relationships between outdoor air particulate-associated polycyclic aromatic hydrocarbon and PM _{2.5} : A case study of benzo(a)pyrene in California metropolitan regions
D.A. Olson, G.A. Norris, R.L. Seila, M.S. Landis and A.F. Vette	5673	Chemical characterization of volatile organic compounds near the World Trade Center: Ambient concentrations and source apportionment

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,*

