

38-9

Volume 38, No. 9

March 2004, Pages 1235–1388

ATMOSPHERIC ENVIRONMENT

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



PERGAMON
An imprint of Elsevier

ATMOSPHERIC ENVIRONMENT

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

CONTENTS

Volume 38 Number 9

2004

New Directions

"Polymorphic transformation of ammonium nitrate in atmospheric aerosols"
C.K. Chan. and M.N. Chan [p. 1387–1388]

- J.T. Walker, D.R. Whitall, W. Robarge and H.W. Paerl 1235 Ambient ammonia and ammonium aerosol across a region of variable ammonia emission density
- C.Y. Moreira dos Santos, D. de Almeida Azevedo and F.R. de Aquino Neto 1247 Atmospheric distribution of organic compounds from urban areas near a coal-fired power station
- B. Ridley, E. Atlas, H. Selkirk, L. Pfister, D. Montzka, J. Walega, S. Donnelly, V. Stroud, E. Richard, K. Kelly, A. Tuck, T. Thompson, J. Reeves, D. Baumgardner, W.T. Rawlins, M. Mahoney, R. Herman, R. Friedl, F. Moore, E. Ray and J. Elkins 1259 Convective transport of reactive constituents to the tropical and mid-latitude tropopause region: I. Observations
- F. Duan, X. Liu, T. Yu and H. Cachier 1275 Identification and estimate of biomass burning contribution to the urban aerosol organic carbon concentrations in Beijing
- T.-E. Parts and A. Luts 1283 Observed and simulated effects of certain pollutants on small air ion spectra: I. Positive ions
- C. Dueñas, M.C. Fernández, J. Carretero, E. Liger and S. Cañete 1291 Long-term variation of the concentrations of long-lived Rn descendants and cosmogenic ⁷Be and determination of the MRT of aerosols
- K.-H. Park and W.-K. Jo 1303 Personal volatile organic compound (VOC) exposure of children attending elementary schools adjacent to industrial complex

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.*



1352-2310(2004)38:9;1-E

Typeset by Macmillan India Ltd., Bangalore 25. Printed in Great Britain by BPC Wheatons Ltd., Exeter

246



ISSN 1352-2310

38(9) 1235–1388 (2004)

K.O. Ogunjobi, Z. He, K.W. Kim and Y.J. Kim	1313	Aerosol optical depth during episodes of Asian dust storms and biomass burning at Kwangju, South Korea
P. Pochanart, S. Kato, T. Katsuno and H. Akimoto	1325	Eurasian continental background and regionally polluted levels of ozone and CO observed in northeast Asia
A. Venkatram	1337	On estimating emissions through horizontal fluxes
K. Na, A.A. Sawant, C. Song and D.R. Cocker III	1345	Primary and secondary carbonaceous species in the atmosphere of Western Riverside County, California
R.W. Pinder, N.J. Pekney, C.I. Davidson and P.J. Adams	1357	A process-based model of ammonia emissions from dairy cows: improved temporal and spatial resolution
T.L. Eliason, J.B. Gilman and V. Vaida	1367	Oxidation of organic films relevant to atmospheric aerosols
R.J. Brown and P.L. Woodfield	1379	Prediction of short-range maximum NO ₂ concentrations using scalar PDFS
<i>New Directions</i> C.K. Chan and M.N. Chan	1387	New Directions: Polymorphic transformation of ammonium nitrate in atmospheric aerosols
List of forthcoming papers	I	

Available online at www.sciencedirect.com



This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>



ISSN 1352-2310

38(9) 1235–1388 (2004)