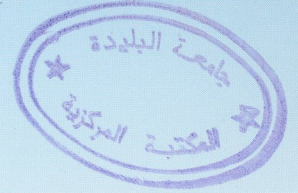


Volume 41

Issue 34

November 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 34

2007

CONTENTS

New Directions

New Directions: Enhancing the natural sulfur cycle to slow global warming
O.W. Wingenter, S.M. Elliot and D.R. Blake

Review article

H. Wen and J. Carignan 7151 Reviews on atmospheric selenium: Emissions, speciation and fate

Regular papers

- R.C. Sullivan, S.A. Guazzotti, D.A. Sodeman, Y. Tang, G.R. Carmichael and K.A. Prather 7166 Mineral dust is a sink for chlorine in the marine boundary layer
- M.C. McCarthy, H.R. Hafner, L.R. Chinkin and J.G. Charrier 7180 Temporal variability of selected air toxics in the United States
- J. Gulliver and D.J. Briggs 7195 Journey-time exposure to particulate air pollution
- S. Kang, Q. Zhang, S. Kaspari, D. Qin, Z. Cong, J. Ren and P.A. Mayewski 7208 Spatial and seasonal variations of elemental composition in Mt. Everest (Qomolangma) snow/firn
- X. Querol, M. Viana, A. Alastuey, F. Amato, T. Moreno, S. Castillo, J. Pey, J. de la Rosa, A. Sánchez de la Campa, B. Artíñano, P. Salvador, S. García Dos Santos, R. Fernández-Patier, S. Moreno-Grau, L. Negral, M.C. Minguillón, E. Monfort, J.I. Gil, A. Inza, L.A. Ortega, J.M. Santamaría and J. Zabalza 7219 Source origin of trace elements in PM from regional background, urban and industrial sites of Spain
- H.-H. Yang, S.-M. Chien, M.-Y. Lo, J.C.-W. Lan, W.-C. Lu and Y.-Y. Ku 7232 Effects of biodiesel on emissions of regulated air pollutants and polycyclic aromatic hydrocarbons under engine durability testing
- A. Scheyer, S. Morville, P. Mirabel and M. Millet 7241 Pesticides analysed in rainwater in Alsace region (Eastern France): Comparison between urban and rural sites
- T.P. Marcy, P.J. Popp, R.S. Gao, D.W. Fahey, E.A. Ray, E.C. Richard, T.L. Thompson, E.L. Atlas, M. Loewenstein, S.C. Wofsy, S. Park, E.M. Weinstock, W.H. Swartz and M.J. Mahoney 7253 Measurements of trace gases in the tropical tropopause layer

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



1352-2310(2007)41:34;1-J

Printed by Polestar Wheatons Ltd., Exeter, UK



ELSEVIER


ISSN 1352-2310
41(34) 7151-7376 (2007)

- A. Ladstätter-Weissenmayer, M. Kanakidou, 7262 Pollution events over the East Mediterranean: Synergistic use of
J. Meyer-Arnek, E.V. Dermizaki, GOME, ground-based and sonde observations and models
A. Richter, M. Vrekoussis, F. Wittrock and
J.P. Burrows
- I.-S. Yoon, O. Çopuroğlu and K.-B. Park 7274 Effect of global climatic change on carbonation progress of
concrete
- C. Gariazzo, C. Silibello, S. Finardi, 7286 A gas/aerosol air pollutants study over the urban area of Rome
P. Radice, A. Piersanti, G. Calori, using a comprehensive chemical transport model
A. Cecinato, C. Perrino, F. Nussio,
M. Cagnoli, A. Pelliccioni, G.P. Gobbi
and P. Di Filippo
- D. Grawe, X.-M. Cai and R.M. Harrison 7304 Large eddy simulation of shading effects on NO₂ and
O₃ concentrations within an idealised street canyon
- D.G. Kaskaoutis, P. Kosmopoulos, 7315 Aerosol climatology and discrimination of different types over
H.D. Kambezidis and P.T. Nastos Athens, Greece, based on MODIS data
- M.B. Blanco and M.A. Teruel 7330 Atmospheric degradation of fluoroesters (FESs): Gas-phase
reactivity study towards OH radicals at 298 K
- G.L. Daly, Y.D. Lei, L.E. Castillo, 7339 Polycyclic aromatic hydrocarbons in Costa Rican air and soil:
D.C.G. Muir and F. Wania A tropical/temperate comparison
- M. Koçak, N. Mihalopoulos and N. Kubilay 7351 Chemical composition of the fine and coarse fraction of aerosols
in the northeastern Mediterranean
- Correspondence**
- A.T. Archibald, M.A.H. Khan, 7369 Comment on 'Long-term atmospheric measurements of C₁–C₅
L.A. Watson, K.C. Clemitshaw, alkyl nitrates in the Pearl River Delta region of southeast China'
S.R. Utembe, M.E. Jenkin and by Simpson et al.
D.E. Shallcross
- I.J. Simpson, F. Flocke, E. Atlas, 7371 Reply to "Comment on 'Long-term atmospheric measurements of
F.S. Rowland, S. Meinardi, T. Wang, C₁–C₅ alkyl nitrates in the Pearl River Delta region of southeast
H. Guo, Y.H. Kwok and D.R. Blake China"
- New Directions**
- O.W. Wingenter, S.M. Elliot and 7373 New Directions: Enhancing the natural sulfur cycle to slow global
D.R. Blake warming



ELSEVIER

Available online at www.sciencedirect.com

 ScienceDirect

ISSN 1352-2310

41(34) 7151–7376 (2007)