



Volume 41

Issue 9

March 2007

ISSN 1352-2310

# ATMOSPHERIC ENVIRONMENT

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



## CONTENTS

### Regular papers

- K. Civerolo, C. Hogrefe, B. Lynn, J. Rosenthal, J.-Y. Ku, W. Solecki, J. Cox, C. Small, C. Rosenzweig, R. Goldberg, K. Knowlton and P. Kinney 1803 Estimating the effects of increased urbanization on surface meteorology and ozone concentrations in the New York City metropolitan region
- X. Pang and Y. Mu 1819 Characteristics of carbonyl compounds in public vehicles of Beijing city: Concentrations, sources, and personal exposures
- A.L. Clements and J.H. Seinfeld 1825 Detection and quantification of 2-methyltetrols in ambient aerosol in the southeastern United States
- W. Zhao, P.K. Hopke and L. Zhou 1831 Spatial distribution of source locations for particulate nitrate and sulfate in the upper-midwestern United States
- C. Hung-Lung, T. Jiun-Horng, C. Shih-Yu, L. Kuo-Hsiung and M. Sen-Yi 1848 VOC concentration profiles in an ozone non-attainment area: A case study in an urban and industrial complex metroplex in southern Taiwan
- R.J. Valente, C. Shea, K.L. Humes and R.L. Tanner 1861 Atmospheric mercury in the Great Smoky Mountains compared to regional and global levels
- T.W. Kirchstetter and T. Novakov 1874 Controlled generation of black carbon particles from a diffusion flame and applications in evaluating black carbon measurement methods
- S.P. Karakitsios, V.K. Delis, P.A. Kassomenos and G.A. Pilidis 1889 Contribution to ambient benzene concentrations in the vicinity of petrol stations: Estimation of the associated health risk
- Y.-C. Lin and M.-T. Cheng 1903 Evaluation of formation rates of NO<sub>2</sub> to gaseous and particulate nitrate in the urban atmosphere
- B. Liu, G.J. Keeler, J.T. Dvonch, J.A. Barres, M.M. Lynam, F.J. Marsik and J.T. Morgan 1911 Temporal variability of mercury speciation in urban air
- J. Feng, Z. Guo, C.K. Chan and M. Fang 1924 Properties of organic matter in PM<sub>2.5</sub> at Changdao Island, China—A rural site in the transport path of the Asian continental outflow
- S.-Y. Chang, C.-T. Lee, C.C.-K. Chou, S.-K. Liu and T.-X. Wen 1936 The continuous field measurements of soluble aerosol compositions at the Taipei Aerosol Supersite, Taiwan
- M. Aikawa, T. Hiraki, M. Suzuki, M. Tamaki and M. Kasahara 1950 Separate chemical characterizations of fog water, aerosol, and gas before, during, and after fog events near an industrialized area in Japan

*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.*



1352-2310(2007)41:9;1-9



- A. Charron, R.M. Harrison and P. Quincey 1960 What are the sources and conditions responsible for exceedences of the 24 h  $PM_{10}$  limit value ( $50 \mu g m^{-3}$ ) at a heavily trafficked London site?
- A.P. Kesarkar, M. Dalvi, A. Kaginalkar and A. Ojha 1976 Coupling of the Weather Research and Forecasting Model with AERMOD for pollutant dispersion modeling. A case study for  $PM_{10}$  dispersion over Pune, India
- X. Tie, S. Madronich, G. Li, Z. Ying, R. Zhang, A.R. Garcia, J. Lee-Taylor and Y. Liu 1989 Characterizations of chemical oxidants in Mexico City: A regional chemical dynamical model (WRF-Chem) study
- T. Agelakopoulou, I. Bassiotis, E. Metaxa and F. Roubani-Kalantzopoulou 2009 Benzene and toluene influence with or without nitrogen dioxide on inorganic pigments of works of art—Part II
- Technical note**
- Y. Gao, S.B. Chen and L.E. Yu 2019 Efflorescence relative humidity of airborne sodium chloride particles: A theoretical investigation

