

Home

Online Library ACP

- Recent Final Revised Papers
- Volumes and Issues**
- Special Issues
- Library Search
- Title and Author Search

Online Library ACPD

Alerts & RSS Feeds

General Information

Submission

Review

Production

Subscription

Comment on a Paper



Volumes and Issues

ACP - Volume 5, Number 2, pp. 293-582

Corrigendum to "Climatologies of subtropical mixing derived from 3D models" published in Atmos. Chem. Phys., 3, 1007–1021, 2003

V Eyring, M. Dameris, V. Grewe, I. Langbein, and W. Kouker
Page(s) 293-293

[Final Revised Paper](#) (PDF, 2032 KB)

Investigation of inertia-gravity waves in the upper troposphere/lower stratosphere over Northern Germany observed with collocated VHF/UHF radars

A. Serafimovich, P. Hoffmann, D. Peters, and V. Lehmann
Page(s) 295-310

[Abstract](#) [Final Revised Paper](#) (PDF, 1110 KB) [Discussion Paper](#) (ACPD)

Tropospheric ozone over Equatorial Africa: regional aspects from the MOZAIc data

B. Sauvage, V. Thouret, J.-P. Cammas, F. Gheusi, G. Athier, and P. Nédélec
Page(s) 311-335

[Abstract](#) [Final Revised Paper](#) (PDF, 10989 KB) [Discussion Paper](#) (ACPD)

Measurements of tropospheric NO₂ with an airborne multi-axis DOAS instrument

P. Wang, A. Richter, M. Bruns, V. V. Rozanov, J. P. Burrows, K.-P. Heue, T. Wagner, I. Pundt, and U. Platt
Page(s) 337-343

[Abstract](#) [Final Revised Paper](#) (PDF, 367 KB) [Discussion Paper](#) (ACPD)

Fluorescence from atmospheric aerosol detected by a lidar indicates biogenic particles in the lowermost stratosphere

F. Immler, D. Engelbart, and O. Schrems
Page(s) 345-355

[Abstract](#) [Final Revised Paper](#) (PDF, 1112 KB) [Discussion Paper](#) (ACPD)

Deployment of a ground-based CIMS apparatus for the detection of organic gases in the boreal forest during the QUEST campaign

K. Sellegri, B. Umann, M. Hanke, and F. Arnold
Page(s) 357-372

[Abstract](#) [Final Revised Paper](#) (PDF, 1675 KB) [Discussion Paper](#) (ACPD) [Special Issue](#)

Measurements of organic gases during aerosol formation events in the boreal forest atmosphere during QUEST

K. Sellegri, M. Hanke, B. Umann, F. Arnold, and M. Kulmala
Page(s) 373-384

[Abstract](#) [Final Revised Paper](#) (PDF, 1804 KB) [Discussion Paper](#) (ACPD) [Special Issue](#)

Near-IR photodissociation of peroxy acetyl nitrate

S. A. Nizkorodov, J. D. Crouse, J. L. Fry, C. M. Roehl, and P. O. Wennberg



Search ACP

Library Search

Author Search

News

- Sister Journals AMT & GMD
- Financial Support for Authors
- Journal Impact Factor
- Public Relations & Background Information

Recent Papers

01 | ACP, 06 Feb 2009: Thermodynamics of homogeneous nucleation of ice particles in the polar summer mesosphere

02 | ACP, 06 Feb 2009: Airborne measurements of nucleation mode particles II: boreal forest nucleation events

03 | ACP, 06 Feb 2009: Coupling aerosol-cloud-radiative processes in the WRF-Chem model: Investigating the radiative impact of elevated point sources

Page(s) 385-392

[Abstract](#) [Final Revised Paper](#) (PDF, 1783 KB) [Discussion Paper](#) (ACPD)

Using a photochemical model for the validation of NO₂ satellite measurements at different solar zenith angles
A. Bracher, M. Sinnhuber, A. Rozanov, and J. P. Burrows
Page(s) 393-408

[Abstract](#) [Final Revised Paper](#) (PDF, 793 KB) [Discussion Paper](#) (ACPD) [Special Issue](#)

On the growth of nucleation mode particles: source rates of condensable vapor in polluted and clean environments
M. Kulmala, T. Petäjä, P. Mönkkönen, I. K. Koponen, M. Dal Maso, P. P. Aalto, K. E. J. Lehtinen, and V.-M. Kerminen
Page(s) 409-416

[Abstract](#) [Final Revised Paper](#) (PDF, 905 KB) [Discussion Paper](#) (ACPD)

The two-way nested global chemistry-transport zoom model TM5: algorithm and applications

M. Krol, S. Houweling, B. Bregman, M. van den Broek, A. Segers, P. van Velthoven, W. Peters, F. Dentener, and P. Bergamaschi
Page(s) 417-432

[Abstract](#) [Final Revised Paper](#) (PDF, 1425 KB) [Discussion Paper](#) (ACPD)

Technical Note: The Modular Earth Submodel System (MESSy) - a new approach towards Earth System Modeling

P. Jöckel, R. Sander, A. Kerkweg, H. Tost, and J. Lelieveld
Page(s) 433-444

[Abstract](#) [Final Revised Paper](#) (PDF, 717 KB) [Supplement](#) (259 KB) [Discussion Paper](#) (ACPD) [Special Issue](#)

Technical note: The new comprehensive atmospheric chemistry module MECCA

R. Sander, A. Kerkweg, P. Jöckel, and J. Lelieveld
Page(s) 445-450

[Abstract](#) [Final Revised Paper](#) (PDF, 437 KB) [Supplement](#) (1408 KB) [Discussion Paper](#) (ACPD) [Special Issue](#)

A practical demonstration on AMSU retrieval precision for upper tropospheric humidity by a non-linear multi-channel regression method

C. Jiménez, P. Eriksson, V. O. John, and S. A. Buehler
Page(s) 451-459

[Abstract](#) [Final Revised Paper](#) (PDF, 443 KB) [Discussion Paper](#) (ACPD) [Special Issue](#)

Commentary on cloud modelling and the mass accommodation coefficient of water

A. Laaksonen, T. Vesala, M. Kulmala, P. M. Winkler, and P. E. Wagner
Page(s) 461-464

[Abstract](#) [Final Revised Paper](#) (PDF, 180 KB) [Discussion Paper](#) (ACPD)

Eddy covariance flux measurements of biogenic VOCs during ECHO 2003 using proton transfer reaction mass spectrometry

C. Spirig, A. Neftel, C. Ammann, J. Dommen, W. Grabmer, A. Thielmann, A. Schaub, J. Beauchamp, A. Wisthaler, and A. Hansel
Page(s) 465-481

▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 654 KB) ▪ [Discussion Paper](#) (ACPD)

Measurements of N₂O₅, NO₂, and O₃ east of the San Francisco Bay 15 Feb 2005
E. C. Wood, T. H. Bertram, P. J. Wooldridge, and R. C. Cohen
Page(s) 483-491
▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 859 KB) ▪ [Discussion Paper](#) (ACPD)

Actinometric measurements of NO₂ photolysis frequencies in the atmosphere simulation chamber SAPHIR 15 Feb 2005
B. Bohn, F. Rohrer, T. Brauers, and A. Wahner
Page(s) 493-503
▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 857 KB) ▪ [Discussion Paper](#) (ACPD)

A comparison of new measurements of total monoterpene flux with improved measurements of speciated monoterpene flux 15 Feb 2005
A. Lee, G. W. Schade, R. Holzinger, and A. H. Goldstein
Page(s) 505-513
▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 369 KB) ▪ [Discussion Paper](#) (ACPD)

To what extent can aerosol water explain the discrepancy between model calculated and gravimetric PM₁₀ and PM_{2.5}? 16 Feb 2005
S. G. Tsyro
Page(s) 515-532
▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 2138 KB) ▪ [Discussion Paper](#) (ACPD)

Microphysics and heterogeneous chemistry in aircraft plumes - high sensitivity on local meteorology and atmospheric composition 21 Feb 2005
S. K. Meilinger, B. Kärcher, and Th. Peter
Page(s) 533-545
▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 648 KB) ▪ [Discussion Paper](#) (ACPD)

Climatological features of stratospheric streamers in the FUB-CMAM with increased horizontal resolution 21 Jan 2005
K. Krüger, U. Langematz, J. L. Grenfell, and K. Labitzke
Page(s) 547-562
▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 3971 KB) ▪ [Discussion Paper](#) (ACPD)

Increased Northern Hemispheric carbon monoxide burden in the troposphere in 2002 and 2003 detected from the ground and from space 21 Feb 2005
L. N. Yurganov, P. Duchatelet, A. V. Dzhola, D. P. Edwards, F. Hase, I. Kramer, E. Mahieu, J. Mellqvist, J. Notholt, P. C. Novelli, A. Rockmann, H. E. Scheel, M. Schneider, A. Schulz, A. Strandberg, R. Sussmann, H. Tanimoto, V. Velazco, J. R. Drummond, and J. C. Gille
Page(s) 563-573
▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 440 KB) ▪ [Supplement](#) (10 KB) ▪ [Discussion Paper](#) (ACPD)

Cloud droplet activation and surface tension of mixtures of slightly soluble organics and inorganic salt 24 Feb 2005
S. Henning, T. Rosenørn, B. D'Anna, A. A. Gola, B. Svenningsson, and M. Bilde
Page(s) 575-582
▪ [Abstract](#) ▪ [Final Revised Paper](#) (PDF, 921 KB) ▪ [Discussion Paper](#) (ACPD)

