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1. Title: Development and characterization of a fast-stepping/scanning thermodenuder for chemically-resolved aerosol volatility measurements
Author(s): Huffman JA, Ziemann PJ, Jayne JT, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **5** Pages: **395-407** Published: **2008**
Times Cited: **15**

2. Title: Bias in filter-based aerosol light absorption measurements due to organic aerosol loading: Evidence from ambient measurements
Author(s): Lack DA, Cappa CD, Covert DS, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **12** Pages: **1033-1041** Published: **2008**
Times Cited: **14**

3. Title: Collection efficiencies in an Aerodyne Aerosol Mass Spectrometer as a function of particle phase for laboratory generated aerosols
Author(s): Matthew BM, Middlebrook AM, Onasch TB
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **11** Pages: **884-898** Published: **2008**
Times Cited: **10**

4. Title: Bias in filter-based aerosol light absorption measurements due to organic aerosol loading: Evidence from laboratory measurements
Author(s): Cappa CD, Lack DA, Burkholder JB, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **12** Pages: **1022-1032** Published: **2008**
Times Cited: **9**

5. Title: An eddy-covariance system for the measurement of surface/atmosphere exchange fluxes of submicron aerosol chemical species - First application above an urban area
Author(s): Nemitz E, Jimenez JL, Huffman JA, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **8** Pages: **636-657** Published: **2008**
Times Cited: **8**

6. Title: Organic PM2.5: Fractionation by polarity, FTIR spectroscopy, and OM/OC ratio for the Pittsburgh aerosol
Author(s): Polidori A, Turpin BJ, Davidson CI, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **3** Pages: **233-246** Published: **MAR 2008**
Times Cited: **7**

7. Title: Rapid, size-resolved aerosol hygroscopic growth measurements: Differential aerosol sizing and hygroscopicity spectrometer probe (DASH-SP)
Author(s): Sorooshian A, Hersey S, Brechtel FJ, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **6** Pages: **445-464** Published: **2008**
Times Cited: **6**

8. Title: Design and operation of a pressure-controlled inlet for airborne sampling with an aerodynamic aerosol lens
Author(s): Bahreini R, Dunlea EJ, Matthew BM, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **6** Pages:

465-471 Published: **2008**
Times Cited: **6**

9. Title: Porous film deposition by electrohydrodynamic atomization of nanoparticle sols
Author(s): Hogan CJ, Biswas P
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **1** Pages: **75-85** Published: **JAN 2008**
Times Cited: **6**

10. Title: On operation of the ultra-fine water-based CPC TSI3786 and comparison with other TSI models (TSI3776, TSI3772, TSI3025, TSI3010, TSI3007)
Author(s): Mordas G, Manninen HE, Petaja T, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **2** Pages: **152-158** Published: **2008**
Times Cited: **6**

11. Title: Performance of an Aerodyne Aerosol Mass Spectrometer (AMS) during Intensive Campaigns in China in the Summer of 2006
Author(s): Takegawa N, Miyakawa T, Watanabe M, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **3** Pages: **189-204** Published: **2009**
Times Cited: **5**

12. Title: Resuspension of dust particles in a chamber and associated environmental factors
Author(s): Qian J, Ferro AR
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **7** Pages: **566-578** Published: **2008**
Times Cited: **5**

13. Title: Rapid sampling of individual organic aerosol species in ambient air with the photoionization aerosol mass spectrometer
Author(s): Dreyfus MA, Johnston MV
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **1** Pages: **18-27** Published: **JAN 2008**
Times Cited: **5**

14. Title: A VUV photoionization aerosol time-of-flight mass spectrometer with a RF -powered VUV lamp for laboratory-based organic aerosol measurements
Author(s): Shu JN, Gao SK, Li Y
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **2** Pages: **110-113** Published: **2008**
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15. Title: Single Particle Laser Mass Spectrometry Applied to Differential Ice Nucleation Experiments at the AIDA Chamber
Author(s): Gallavardin SJ, Froyd KD, Lohmann U, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **9** Pages: **773-791** Published: **2008**
Times Cited: **4**

16. Title: Quantification of Hourly Speciated Organic Compounds in Atmospheric Aerosols, Measured by an In-Situ Thermal Desorption Aerosol Gas Chromatograph (TAG)
Author(s): Kreisberg NM, Hering SV, Williams BJ, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **1** Pages: **38-52** Published: **2009**
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17. Title: Transport and removal of expiratory droplets in hospital ward environment
Author(s): Chao CYH, Wan MP, To GNS
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **5** Pages: **377-394** Published: **2008**
Times Cited: **4**

18. Title: Water uptake by NaCl particles prior to deliquescence and the phase rule
Author(s): Wise ME, Martin ST, Russell LM, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **4** Pages: **281-294** Published: **2008**
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19. Title: The Zurich Ice Nucleation Chamber (ZINC) - A new instrument to investigate atmospheric ice formation
Author(s): Stetzer O, Baschek B, Luond F, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **1** Pages: **64-74** Published: **JAN 2008**
Times Cited: **4**

20. Title: SPLAT II: An Aircraft Compatible, Ultra-Sensitive, High Precision Instrument for In-Situ Characterization of the Size and Composition of Fine and

Ultrafine Particles
Author(s): Zelenyuk A, Yang J, Choi E, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **5** Pages: **411-424** Published: **2009**
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21. Title: Structural Property Effect of Nanoparticle Agglomerates on Particle Penetration through Fibrous Filter
Author(s): Kim SC, Wang J, Emery MS, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **4** Pages: **344-355** Published: **2009**
Times Cited: **3**

22. Title: Laboratory Verification of PH-CPC's Ability to Monitor Atmospheric Sub-3 nm Clusters
Author(s): Sipila M, Lehtipalo K, Attoui M, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **2** Pages: **126-135** Published: **2009**
Times Cited: **3**

23. Title: Revisiting thermal-optical analyses of carbonaceous aerosol using a physical model
Author(s): Boparai P, Lee JM, Bond TC
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **11** Pages: **930-U15** Published: **2008**
Times Cited: **3**

24. Title: Unipolar charging of fine and ultra-fine particles using carbon fiber ionizers
Author(s): Han B, Kim HJ, Kim YJ, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **10** Pages: **793-800** Published: **2008**
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25. Title: Tandem measurements of aerosol properties - A review of mobility techniques with extensions
Author(s): Park K, Dutcher D, Emery M, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **10** Pages: **801-816** Published: **2008**
Times Cited: **3**

26. Title: Application of the Volatility-TDMA technique to determine the number size distribution and mass concentration of less volatile particles
Author(s): Frey A, Rose D, Wehner B, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **10** Pages: **817-828** Published: **2008**
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27. Title: A new moment method for solving the coagulation equation for particles in Brownian motion
Author(s): Yu MZ, Lin JZ, Chan TL
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **9** Pages: **705-713** Published: **2008**
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28. Title: Effect of surface tension from MD simulations on size-dependent deliquescence of NaCl nanoparticles
Author(s): Bahadur R, Russell LM
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **5** Pages: **369-376** Published: **2008**
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29. Title: Equations governing single and tandem DMA configurations and a new lognormal approximation to the transfer function
Author(s): Stolzenburg MR, McMurry PH
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30. Title: Fundamental study of a miniaturized disk-type electrostatic aerosol precipitator for a personal nanoparticle sizer
Author(s): Qi CL, Chen DR, Greenberg P
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **7** Pages: **505-512** Published: **2008**

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31. Title: Particle measurement programme (PMP) light-duty inter-laboratory exercise: Repeatability and reproducibility of the particle number method
Author(s): Giechaskiel B, Dilara P, Andersson J
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **7** Pages: **528-543** Published: **2008**
Times Cited: **3**
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32. Title: A source dilution sampling system for characterization of engine emissions under transient or steady-state operation
Author(s): Liu ZG, Swor TA, Schauer JJ, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **4** Pages: **270-280** Published: **2008**
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33. Title: Impact of ambient temperatures and driving conditions on the chemical composition of particulate matter emissions from non-smoking gasoline-powered motor vehicles
Author(s): Schauer JJ, Christensen CG, Kittelson DB, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **3** Pages: **210-223** Published: **MAR 2008**
Times Cited: **3**
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34. Title: Truncation and Angular-Scattering Corrections for Absorbing Aerosol in the TSI 3563 Nephelometer
Author(s): Bond TC, Covert DS, Muller T
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **9** Pages: **866-871** Published: **2009**
Times Cited: **2**
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35. Title: Phase Transition and Hygroscopic Properties of Internally Mixed Ammonium Sulfate and Adipic Acid (AS-AA) Particles by Optical Microscopic Imaging and Raman Spectroscopy
Author(s): Yeung MC, Lee AKY, Chan CK
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **5** Pages: **387-399** Published: **2009**
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36. Title: Calibration of a Condensation Particle Counter Using a NIST Traceable Method
Author(s): Fletcher RA, Mulholland GW, Winchester MR, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **5** Pages: **425-441** Published: **2009**
Times Cited: **2**
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37. Title: Size-Segregated Inorganic and Organic Components of PM in the Communities of the Los Angeles Harbor
Author(s): Arhami M, Sillanpaa M, Hu SH, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **2** Pages: **145-160** Published: **2009**
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38. Title: The Effect of Water Evaporation on Photoacoustic Signals in Transition and Molecular Flow
Author(s): Murphy DM
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **4** Pages: **356-363** Published: **2009**
Times Cited: **2**
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39. Title: Inter-Comparison of a Fast Mobility Particle Sizer and a Scanning Mobility Particle Sizer Incorporating an Ultrafine Water-Based Condensation Particle Counter
Author(s): Jeong CH, Evans GJ
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **4** Pages: **364-373** Published: **2009**

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40. Title: Generation of Charged Nanoparticles during Synthesis of ZnO Nanowires by Carbothermal Reduction
Author(s): Kim CS, Chung YB, Youn WK, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **43** Issue: **2** Pages: **120-125** Published: **2009**
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41. Title: Constraining particle evolution from wall losses, coagulation, and condensation-evaporation in smog-chamber experiments: Optimal estimation based on size distribution measurements
Author(s): Pierce JR, Engelhart GJ, Hildebrandt L, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **12** Pages: **1001-1015** Published: **2008**
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42. Title: Albedo measurements and optical sizing of single aerosol particles
Author(s): Sanford TJ, Murphy DM, Thomson DS, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **11** Pages: **958-969** Published: **2008**
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43. Title: Atmospheric distribution of gas- and particle-phase quinones in Southern California
Author(s): Eiguren-Fernandez A, Miguel AH, Di Stefano E, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **10** Pages: **854-861** Published: **2008**
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44. Title: Design and validation of a volatility hygroscopic tandem differential mobility analyzer (VH-TDMA) to characterize the relationships between the thermal and hygroscopic properties of atmospheric aerosol particles
Author(s): Villani P, Picard D, Michaud V, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **9** Pages: **729-741** Published: **2008**
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45. Title: Condensational growth may contribute to the enhanced deposition of cigarette smoke particles in the upper respiratory tract
Author(s): Longest PW, Xi JX
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **8** Pages: **579-602** Published: **2008**
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46. Title: Size distribution measurement of carbonaceous particulate matter using a low pressure impactor with quartz fiber substrates
Author(s): Saarikoski S, Frey A, Makela T, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **8** Pages: **603-612** Published: **2008**
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47. Title: Global surface-based sun photometer network for long-term observations of column aerosol optical properties: Intercomparison of aerosol optical depth
Author(s): Kim SW, Yoon SC, Dutton EG, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **1** Pages: **1-9** Published: **JAN 2008**
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48. Title: Source apportionment of one-hour semi-continuous data using positive matrix factorization with total mass (nonvolatile plus semi-volatile) measured by the R&P FDMS monitor
Author(s): Grover BD, Eatough DJ
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **1** Pages: **28-39** Published: **JAN 2008**

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49. Title: Laboratory and field tests of a novel three-stage personal dust sampler for sampling three dust fractions simultaneously
Author(s): Tsai CJ, Chang CS, Chen SC, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **1** Pages: **86-95** Published: **JAN 2008**
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50. Title: Online Nanoparticle Mass Measurement by Combined Aerosol Particle Mass Analyzer and Differential Mobility Analyzer: Comparison of Theory and Measurements
Author(s): Lall AA, Ma XF, Guha S, et al.
Source: **AEROSOL SCIENCE AND TECHNOLOGY** Volume: **42** Issue: **11** Pages: **1075-1083** Published: **2009**
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