

## **Peer-reviewed publications for Mixing Condensation Particle Counter (MCPC, Models 1710 & 1720)**

Ming Chee Yeung, Berto P. Lee, Yong Jie Li and Chak K. Chan (2014). Simultaneous HTDMA and HR-ToF AMS measurements at the HKUST Supersite in Hong Kong in 2011, *Journal of Geophysical Research Atmospheres*, 119: doi:10.1002/2013JD021146.\*

Xerxes F. Lopez-Yglesias, Ming Chee Yeung, Stephen E. Dey, Fred J. Brechtel and Chak K. Chan (2014). Performance evaluation of the Brechtel Mfg. Humidified Tandem Differential Mobility Analyzer (BMI HTDMA) for studying hygroscopic properties of aerosol particles, *Aerosol Science and Technology*, July 2014: DOI: 10.1080/02786826.2014.952366.\*

Ying-Hsuan Lin, Sri Hapsari Budisulistiorini, Kevin Chu, Richard A. Siejack, Haofei Zhang, Matthieu Riva, Zhenfa Zhang, Avram Gold, Kathryn E. Kautzman, and Jason Douglas Surratt (2014). Light-absorbing oligomer formation in secondary organic aerosol from reactive uptake of isoprene epoxydiols. *Environ. Sci. Technol.*, 48:20, 12012-12021, DOI: 10.1021/es503142b

S. H. Budisulistiorini, M. R. Canagaratna, P. L. Croteau, K. Baumann, E. S. Edgerton, M. S. Kollman, N. L. Ng, V. Verma, S. L. Shaw, E. M. Knipping, D. R. Worsnop, J. T. Jayne, R.J. Weber, and J. D. Surratt (2014). Intercomparison of an Aerosol Chemical Speciation Monitor (ACSM) with ambient fine aerosol measurements in downtown Atlanta, Georgia, *Atmos. Meas. Tech.*, 7: 1929-1941, www.atmosmeastech.net/7/1929/2014/ doi:10.5194/amt-7-1929-2014.\*

Haofei Zhang, Zhenfa Zhang, Tianqu Cui, Ying-Hsuan Lin, Neil A. Bhathela, John Ortega, David R. Worton, Allen H. Goldstein, Alex Guenther, Jose L. Jimenez, Avram Gold, and Jason D. Surratt (2014). Secondary Organic Aerosol Formation via 2-Methyl-3-buten-2-ol Photooxidation: Evidence of Acid-Catalyzed Reactive Uptake of Epoxides, *Environ. Sci. Technol. Lett.* 1: 242–247, dx.doi.org/10.1021/ez500055f.\*

Lynn M. Russell, Armin Sorooshian, John H. Seinfeld, Bruce A. Albrecht, Athanasios Nenes, Lars Ahlm, Yi-Chun Chen, Matthew Coggon, Jill S. Craven, Richard C. Flagan, Amanda A. Frossard, Hafliði Jonsson, Eunsil Jung, Jack J. Lin, Andrew R. Metcalf, Robin Modini, Johannes Mülmenstädt, Greg Roberts, Taylor Shingler, Siwon Song, Zhen Wang, and Anna Wonaschütz (2013). Eastern Pacific Emitted Aerosol Cloud Experiment. *Bull. Amer. Meteor. Soc.*, 94: 709–729, doi: http://dx.doi.org/10.1175/BAMS-D-12-00015.1.\*

Sri Hapsari Budisulistiorini, Manjula R. Canagaratna, Philip L. Croteau, Wendy J. Marth, Karsten Baumann, Eric S. Edgerton, Stephanie L. Shaw, Eladio M. Knipping, Douglas R. Worsnop, John T. Jayne, Avram Gold, and Jason D. Surratt (2013). Real-Time Continuous Characterization of Secondary Organic Aerosol Derived from Isoprene Epoxydiols in Downtown Atlanta, Georgia, Using the Aerodyne Aerosol Chemical Speciation Monitor, *Environ. Sci. Technol.*, 47: (11), 5686–5694, DOI: 10.1021/es400023n.\*

Ying-Hsuan Lina, Haofei Zhanga, Havala O. T. Pyeb, Zhenfa Zhanga, Wendy J. Martha, Sarah Parka, Maiko Arashiroa, Tianqu Cuia, Sri Hapsari Budisulistiorinia, Kenneth G. Sextona, William Vizuetea, Ying Xieb, Deborah J. Lueckenb, Ivan R. Piletich, Edward O. Edneyb, Libero J. Bartolottic, Avram Golda, and Jason D. Surratt, (2013). Epoxide as a precursor to secondary organic aerosol formation from isoprene photooxidation in the presence of nitrogen oxides. *Proc Natl Acad Sci USA*, 110(17):6718-23. doi: 10.1073/pnas.1221150110.\*

Wonaschütz, A., M. Coggon, A. Sorooshian, R. Modini, A. A. Frossard, L. Ahlm, J. Mülmenstädt, G. C. Roberts, L. M. Russell, S. Dey, F. J. Brechtel, and J. H. Seinfeld (2013). Hygroscopic properties of organic aerosol particles emitted in the marine atmosphere, *Atmos. Chem. Phys.*, 13: 9819–9835, doi:10.5194/acp-13-9819-2013. \*

Sorooshian, A., J. Csavina, T. Shingler, S. Dey, F. Brechtel, E. Sáez, and E. A. Betterton (2012). Hygroscopic and chemical properties of aerosols collected near a copper smelter: Implications for public and environmental health, *Environ. Sci. Technol.*, 46: 9473-9480. \*

J. Wang, V. Faye McNeill, D. R. Collins, and R. C. Flagan (2002). Fast Mixing Condensation Nucleus Counter: Application to Rapid Scanning Differential Mobility Analyzer Measurements, *Aerosol Sci. &Tech.*, 36: 678-689, DOI:10.1080/02786820290038366. \*

A. Wiedensohler, D. Orsini, D.S. Covert, D. Coffmann, W. Cantrell, M. Havlicek, F. J. Brechtel, L.M. Russell, R. J. Weber, J. Gras, J. G. Hudson, and M. Litchy (1997). Intercomparison Study of the Size-Dependent Counting Efficiency of 26 Condensation Particle Counters. *Aerosol Science and Technology*, 27, 224-242.

[Publications followed by \* relate directly to the MCPC.]

