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**Publications**

- 1) **Alfarra, M. R.**, H. Coe, J. D. Allan, K. N. Bower, H. Boudries, M. R. Canagaratna, J. L. Jimenez, J. T. Jayne, A. Garforth, S.-M. Li and D. R. Worsnop (2004). *Characterisation of Urban and Rural Organic Particulate In the Lower Fraser Valley Using Two Aerodyne Aerosol Mass Spectrometers*. *Atmospheric Environment* **38**(34): 5745-5758.
- 2) Boudries, H., M. R. Canagaratna, J. T. Jayne, **M. R. Alfarra**, J. D. Allan, K. N. Bower, H. Coe, S. C. Pryor, J. L. Jimenez, J. R. Brook, S. Li and D. R. Worsnop (2004). *Chemical and Physical Processes Controlling the Distribution of Aerosol in the Lower Fraser Valley, Canada, During the PACIFIC 2001 Field Campaign*. *Atmospheric Environment* **38**(34): 5759-5774.
- 3) Qi Zhang, **M. Rami Alfarra**, Douglas R. Worsnop, James D. Allan, Hugh Coe, Manjula R. Canagaratna, and Jose L. Jimenez. *Deconvolution and Quantification of Primary and Oxygenated Organic Aerosols Based on Aerosol Mass Spectrometry. Part 1: Development and Validation of the Method*. Submitted to *Environmental Science & Technology*, September, 2004
- 4) Y. Aklilu, M. Mozurkewich, A. J. Prenni, S. M. Kreidenweis, **M. R. Alfarra**, J. Allan, K. Anlauf, J. Brook, W. R. Leitch, S. Sharma, H. Boudries, D.R. Worsnop. *Hygroscopicity of particles at a rural and semi urban site during Pacific 2001: Estimation of water uptake due to the organic fraction*. Submitted to *Atmospheric Environment*, March 2004.
- 5) Allan, J. D., A. E. Delia, H. Coe, K. N. Bower, **M. R. Alfarra**, J. L. Jimenez, A. M. Middlebrook, F. Drewnick, T. B. Onasch and M. R. Canagaratna (2004). *A generalised method for the extraction of chemically resolved mass spectra from Aerodyne aerosol mass spectrometer data*. *Journal of Aerosol Science* **35**(7): 909-922.
- 6) G. McFiggans, H. Coe, R. Burgess, J. Allan, M. Cubison, **M. Rami Alfarra**, R. Saunders, A. Saiz-Lopez, J. M. C. Plane, D. Wevill, L. Carpenter, A. R. Rickard, and S. Monks (2004). *Direct evidence for coastal iodine particles from Laminaria macroalgae - linkage to emissions of molecular iodine*, *Atmospheric Chemistry and Physics Discussions*, 4, 939-967.
- 7) Topping, D., H. Coe, G. McFiggans, R. Burgess, J. Allan, **M. R. Alfarra**, K. Bower, T. W. Choularton, S. Decesari and M. C. Facchini (2004). *Aerosol chemical characteristics from sampling conducted on the Island of Jeju, Korea during ACE Asia*. *Atmospheric Environment* **38**(14): 2111-2123.
- 8) Allan, J. D., J. L. Jimenez, P. I. Williams, **M. R. Alfarra**, K. N. Bower, J. T. Jayne, H. Coe and D. R. Worsnop (2003). *Quantitative sampling using an Aerodyne aerosol mass spectrometer - 1. Techniques of data interpretation and error analysis*. *Journal of Geophysical Research-Atmospheres* **108**(D3): art. no.-4090.
- 9) Allan, J. D., **M. R. Alfarra**, K. N. Bower, P. I. Williams, M. W. Gallagher, J. L. Jimenez, A. G. McDonald, E. Nemitz, M. R. Canagaratna, J. T. Jayne, H. Coe and D. R. Worsnop (2003). *Quantitative sampling using an Aerodyne aerosol mass spectrometer - 2. Measurements of fine particulate chemical composition in two U.K. cities*. *Journal of Geophysical Research-Atmospheres* **108**(D3): art. no.-4091.
- 10) Longley, I. D., M. W. Gallagher, J. R. Dorsey, M. Flynn, J. D. Allan, **M. R. Alfarra**, D. Inglis (2003). *A case study of aerosol ( $4.6 \text{ nm} < D_p < 10 \text{ }\mu\text{m}$ ) number and mass size distribution measurements in a busy street canyon in Manchester, UK*. *Atmospheric Environment* **37**, 1563 – 1571.

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