
List of Publications – Mika Aurela

Name: Mika Aurela
Date of birth: 18 November 1967

Publication list updated on 22 September 2014

Peer-reviewed scientific publications

- Böttcher K., Aurela M., Kervinen M., Markkanen T., Mattila O.-P., Kolari P., Metsämäki S., Aalto T., Arslan A., Pulliainen J. (2014) MODIS time-series-derived indicators for the beginning of the growing season in boreal coniferous forest - A comparison with CO₂ flux measurements and phenological observations in Finland, *Remote Sensing of Environment* 140, 625-638.
- Kasurinen V., Alfredsen K., Kolari P., Mammarella I., Alekceychik P., Rinne J., Vesala T., Bernier P., Boike J., Langer M., Marchesini L., van Huissteden K., Dolman H., Sachs T., Ohta T., Varlagin A., Rocha A., Arain M.A., Oechel W., Lund M., Grelle A., Lindroth A., Black A., Laurila T., Lohila A. and Aurela M. (2014) Latent heat exchange in the boreal and arctic biomes. Accepted to *Global Change Biology*.
- Kross A. S. E., Roulet N. T., Moore T. R., Lafleur P. M., Humphreys E. R., Seaquist J. W., Flanagan L. B., Aurela M. (2014) Phenology and its role in carbon dioxide exchange processes in northern peatlands. *JGR-Biogeosciences*, Volume 119, Issue 7, pages 1370–1384, DOI: 10.1002/2014JG002666.
- Mathijssen P., Tuovinen J.-P., Lohila A., Aurela M., Juutinen S., Laurila T., Niemelä E., Tuittila E.-S., and Väliiranta M. (2014). Development, carbon accumulation, and radiative forcing of a subarctic fen over the Holocene. *The Holocene*, DOI: 10.1177/095968361453807.
- Mbufong, H.N., M. Lund, M. Aurela, T.R. Christensen, E. Werner, T. Friborg, H. Birger, E.R. Humphreys, M. Jackowicz-Korczynski, L. Kutzbach, P.M. Lafleur, W.C. Oechel, F.J. Parmentier, D.P. Rasse, A.V. Rocha, T. Sachs, M.M. van der Molen, and M.P. Tamstorf. (2014) Assessing the spatial variability in peak season CO₂ exchange characteristics across the Arctic tundra using a light response curve parameterization. *Biogeosciences*. 11:4897-4912. doi:10.5194/bg-11-4897-2014.
- O'Shea S.J, G. Allen, M.W. Gallagher, K. Bower, S.M. Illingworth, J.B.A. Muller, B. Jones, C.J. Percival, S.J.-B. Bauguitte, M. Cain, N. Warwick, A. Quiquet, U. Skiba, J. Drewer, K. Dinsmore, E.G. Nisbet, D. Lowry, R.E. Fisher, J.L. France, M Aurela, A. Lohila, G. Hayman, C. George, D. Clark, A.J. Manning, A.D. Friend, J. Pyle (2012) Methane and carbon dioxide fluxes and their regional scalability for the European Arctic wetlands during the MAMM project in summer 2012. *Atmospheric Chemistry and Physics Discussions 14*, 8455, DOI: [10.5194/acpd-14-8455-2014](https://doi.org/10.5194/acpd-14-8455-2014). (Under final review)
- Watts J. D., Kimball J. S., Parmentier F.-J.-W., Sachs T., Rinne J., Zona D., Oechel W., Tagesson T., Jackowicz-Korczynski M., Aurela M. (2014) A satellite data driven biophysical modeling

approach for estimating northern peatland and tundra CO₂ and CH₄ fluxes. *Biogeosciences*, 11, 7, p. 1961-1980, DOI: <http://doi.org/10.5194/bg-11-1961-2014>.

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Thesis

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