

Publication List

- **Harris, E.**, Henne, S., Hüglin, C., Zellweger, C., Tuzson, B., Ibraim, E., Emmenegger, L. and Mohn, J. (2017) *Tracking nitrous oxide emission processes at a suburban site with semi-continuous, in-situ measurements of isotopic composition*, Journal of Geophysical Research - Atmospheres, 122, 1850-1870, doi:10.1002/2016JD025906.
- **Harris, E.**, Emmenegger, L. and Mohn, J. (2017) *Using Isotopic Fingerprints to Trace Nitrous Oxide in the Atmosphere*, Chimia, 71, 46, doi:10.2533/chimia.2017.46.
- Röckmann, T., Eyer, S., van der Veen, S., Popa, M.E., Tuzson, B., Monteil, G., Houweling, S., **Harris, E.**, Brunner, D., Fischer, H., Zazzeri, G., Lowry, D., Nisbet, E., Brand, W.A., Necki, J.M., Emmenegger, L. and Mohn, J. (2016) *In-situ observations of the isotopic composition of methane at the Cabauw tall tower site*, Atmospheric Chemistry and Physics, 16, 10469-10487, doi:10.5194/acp-16-10469-2016.
- Mohn, J., Gutjahr, W., Toyoda, S., **Harris, E.**, Ibraim, E., Geilmann, H., Schleppe, P., Kuhn, T., Lehmann, M.F., Decock, C., Werner, R.A., Yoshida, N. and Brand, W. (2016) *Reassessment of the NH_4NO_3 thermal decomposition technique for calibration of the N_2O isotopic composition*, Rapid Communications in Mass Spectrometry, 30(23), 2487-2496, 10.1002/rcm.7736.
- Denk, T., Mohn, J., Decock, C., Lewicka-Szczebak, D., **Harris, E.**, Butterbach-Bahl, K., Kiese, R. and Wolf, B. (2017) *The nitrogen cycle: a review of isotope effects and isotope modeling approaches*, Soil Biology and Biochemistry, 105, 121-137.
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- **Harris, E.**, Joss, A., Emmenegger, L., Kipf, M., Wolf, B., Mohn, J. and Wunderlin, P. (2015) *Isotopic evidence for nitrous oxide production pathways in a partial nitrification-anammox reactor*, Water Research, 83, 258-270.
- **Harris, E.**, Zeyer, K. and Mohn, J. (2015) *Methane and nitrous oxide emissions and nitrous oxide isotopic composition from municipal solid waste incineration plants in Switzerland*, Waste Management, 35, 135-140.
- Wolf, B., Merbold, L., Decock, C., Tuzson, B., **Harris, E.**, Six, J., Emmenegger, L. and Mohn, J. (2015) *First online isotopic characterization of N_2O emitted from intensively managed grassland*, Biogeosciences, 12, 2517-2531.
- **Harris, E.**, Sinha, B., van Pinxteren, D., Schneider, J., Poulain, L., Collett, J., d'Anna, B., Fahlbusch, B., Foley, S., Fomba, K.W., George, C., Gnauk, T., Henning, S., Lee, T., Mertes, S., Roth, A., Stratmann, F., Borrmann, S., Hoppe, P. and Herrmann, H. (2014) *In-cloud sulfate addition to single particles resolved with sulfur isotope analysis during HCCT-2010*, Atmospheric Chemistry and Physics, 14, 4219-4235.

- **Harris, E.**, Ono, S., Nelson, D., Potter, K. and Prinn R. (2014) *Development of a spectroscopic technique for continuous online monitoring of oxygen and site-specific nitrogen isotopic composition of atmospheric nitrous oxide*, Analytical Chemistry, 86, 1726-1734.
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- **Harris, E.**, Ono, S., Sinha, B. and Hoppe, P. (2013) *High-precision measurements of ^{33}S and ^{34}S fractionation during SO_2 oxidation reveal causes of seasonality in SO_2 and sulfate isotopic composition*, Environmental Science and Technology, 47, 12174-12183.
- **Harris, E.**, Sinha, B., van Pinxteren, D., Tilgner, A., Fomba, K.W., Schneider, J., Roth, A., Gnauk, T., Fahlbusch, B., Mertes, S., Lee, T., Collett, J., Foley, S., Borrmann, S., Hoppe, P. and Herrmann, H. (2013) *Enhanced role of transition metal ion catalysis during in-cloud oxidation of SO_2* , Science, 340, 727-730.
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- van Pinxteren, D., Birmili, W., Fomba, W., Gnauk, T., Iinuma, Y., Mertes, S., Mildenberger, K., Merkel, M., Müller, C., Müller, K., Poulain, L., Spindler, G., Henning, S., Stratmann, F., Tilgner, A., Wex, H., Wolke, R., Wiedensohler, A., Zhijun, W., Böttger, T., Borrmann, S., **Harris, E.**, Roth, A., Schneider, J., Sinha, B., George, I., Heard, D., Whalley, L., D'Anna, B., George, C., Müller, M., Amedro, D., Fittschen, C., Schöemaker, C., Collett, J., Lee, T., and Herrmann, H. (2011) *Hill Cap Cloud Thuringia 2010 - Overview and first results*, Atmospheric Environment, 45, S1, A 338.