

PUBLICATION LIST FOR GUNILLA SVENSSON

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Publications in refereed journals:

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2. Svensson, G., 1996: A Numerical Model for Chemical and Meteorological Processes in the Atmospheric Boundary Layer - Part I. A Model Description and a Parameter Study. *Journal of Applied Meteorology*, **35**, 939-954.
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15. Žagar, M., G. Svensson and M. Tjernström, 2005: High spatial and temporal variability of dry deposition in a coastal region. *Environmental Fluid Mechanics*, **5**, 357-372. DOI 10.1007/s10652-004-7301-4

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76. Hartung K., T. G. Shepherd, B. J. Hoskins, J. Methven, and G. Svensson, 2020: Diagnosing topographic forcing in an atmospheric dataset: the case of the North American Cordillera. *Quarterly Journal of the Meteorological Society*, **146**, 314–326. <https://rmets.onlinelibrary.wiley.com/doi/full/10.1002/qj.3677>
77. Frey, L., F.A.M. Bender, and G. Svensson 2021: Processes controlling the vertical aerosol distribution in marine stratocumulus regions – a sensitivity study using the climate model NorESM1-M. *Atmospheric Chemistry and Physics*, 21, 577–595. <https://doi.org/10.5194/acp-21-577-2021>
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Svensson G. 1995: Numerical Modeling of Chemical and Meteorological Processes in the Atmospheric Boundary Layer. *Environmental Informatics – Methodology and Applications of Environmental Information Processing*, 257–279. Eds N. M. Avouris and B. Page, Kluwer Academic Publishers.

Svensson G., and O. Klemm, 1996: A comparison study of air-quality model simulation results with aircraft data. *Air pollution modeling and its application XI*, 593-600. Eds Sven-Erik Gryning and Francis A. Schiermeier. Plenum Press.

Tjernström, M., G. Svensson, P. Samuelsson and R. Sundararajan, 2003: Mesoscale dynamics: What is it, can it be defined, and is it important? 315 – 331. *Air Pollution Processes in Regional Scale*. Eds D. Melas and D. Syrakov. Kluwer Academic Publishers.

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Theses:

Svensson G, 1993: The Microphysics of Northeastern Pacific Stratus Clouds. (Thesis for the degree of “Filosofie Licentiatexamen”).

Svensson G, 1995: Mesoscale Modeling of Chemical and Meteorological Processes in the Atmosphere. Comprehensive Summaries of Uppsala Dissertations from the Faculty of Science and Technology 168, Acta Universitatis Upsaliensis, Uppsala. ISBN 91-554-3635-8.