Name:	Tinja Olenius
Position:	Air quality researcher, Swedish Meteorological and Hydrological Institute (SMHI)
E-mail:	tinja.olenius@smhi.se, tinja.olenius@alumni.helsinki.fi
Mailing address:	SMHI / Swedish Meteorological and Hydrological Institute, Research Department, Air Quality Research Unit, SE-60176 Norrköping, Sweden

1 Book chapters

Olenius, T., Yli-Juuti, T., Elm, J., Kontkanen, J., and Riipinen, I.: New particle formation and growth: Creating a new atmospheric phase interface.
In: Faust, J. and House, J. (ed.): *Physical Chemistry of Gas–Liquid Interfaces*, 315-352, in *Developments in Physical & Theoretical Chemistry*, Elsevier, ISBN 9780128136416, https://doi.org/10.1016/B978-0-12-813641-6.00011-X (2018)

2 Peer-reviewed research papers in international journals

- Total 29 research papers
- 8 first-author, 8 second-author, and 1 last-author paper
- h-index 15, total >1000 citations excluding self-citations (Web of Science, Jan 2020)

29. Roldin, P., Ehn, M., Kurtén, T., **Olenius, T.**, Rissanen, M. P., Sarnela, N., Elm, J., Rantala, P., Hao, L., Hyttinen, N., Heikkinen, L., Worsnop, D. R., Pichelstorfer, L., Xavier, C., Clusius, P., Öström, E., Petäjä, T., Kulmala, M., Vehkamäki, H., Virtanen, A., Riipinen, I. and Boy, M: The role of highly oxygenated organic molecules in the Boreal aerosol-cloud-climate system.
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28. Myllys, N., Kubečka, J., Besel, V., Alfaouri, D., **Olenius, T.**, Smith, J. N., and Passananti, M.: Role of base strength, cluster structure and charge in sulfuric-acid-driven particle formation.
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27. Myllys, N., Chee, S., **Olenius, T.**, Lawler, M., and Smith, J. N.: Molecular-level understanding of synergistic effects in sulfuric acid—amine–ammonia mixed clusters.
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26. Kontkanen, J., **Olenius, T.**, Kulmala, M., and Riipinen, I.: Exploring the potential of nano-Köhler theory to describe the growth of atmospheric molecular clusters by organic vapors using cluster kinetics simulations.
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25. **Olenius, T.**, Pichelstorfer, L., Stolzenburg, D., Winkler, P. M., Lehtinen, K. E. J., and Riipinen, I.: Robust metric for quantifying the importance of stochastic effects on nanoparticle growth.
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23. Julin, J., Murphy, B. N., Patoulias, D., Fountoukis, C., **Olenius, T.**, Pandis, S. N., and Riipinen, I.: Impacts of future European emission reductions on aerosol particle number concentrations accounting for effects of ammonia, amines and organic species.
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22. Brus, D., Škrabalová, L., Herrmann, E., **Olenius, T.**, Trávničková, T., Makkonen, U., and Merikanto, J.: Temperature-dependent diffusion of H_2SO_4 in air at atmospherically relevant conditions: Laboratory measurements using laminar flow technique.
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21. **Olenius, T.**, Halonen, R., Kurtén, T., Henschel, H., Kupiainen-Määttä, O., Ortega, I. K., Jen, C. N., Vehkamäki, H., and Riipinen, I.: New particle formation from sulfuric acid and amines: Comparison of monomethylamine, dimethylamine, and trimethylamine.
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18. Elm, J., Myllys, N., **Olenius, T.**, Halonen, R., Kurtén, T., and Vehkamäki, H.: Formation of atmospheric molecular clusters consisting of sulfuric acid and $C_8H_{12}O_6$ tricarboxylic acid.
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