Personal Details	Name: Telephone: E-mail: Mailing addı	ess:	Tinja Olenius +46 76 495 7787 tinja.olenius@smhi.se, tinja.olenius@alumni.helsinki.fi SMHI / Swedish Meteorological and Hydrological Insti- tute, Research Department, Air Quality Research Unit, SE-60176 Norrköping, Sweden			
Current Position	Air quality researcher, Swedish Meteorological and Hydrological Institute (SMHI)					
Research	Research in	nterests				
	 Air quality modeling Atmospheric particle formation and its effects Aerosol physics Nanoparticle dynamics and thermodynamics 					
	Tools					
	 Molecular cluster and aerosol dynamics simulations Box and trajectory modeling Regional chemical transport modeling 					
Education	2015	Doctor of Philosoph Thesis: <i>Cluster pop</i> <i>mechanisms</i>	y, University of Helsinki rulation simulations as a tool to probe particle formation			
	2011	Master of Science, U	University of Helsinki			
	2010	Bachelor of Science,	University of Helsinki			
	Major: PMinors: 7	Physics Theoretical physics, as	stronomy			
Employment	Swedish Meteorological and Hydrological Institute (SMHI), Research Depart- ment					
	2019-	Researcher, Air Qua	lity Research Unit			
	Stockholm University, Department of Environmental Science and Analytical Chemistry (ACES) & Bolin Centre for Climate Research					
	2017-2019	Research scientist, A	Atmospheric Science Unit			
	2015-2017	Post doctoral fellow.	, Atmospheric Science Unit			

	University of Helsinki, Department of Physics, Division of Atmospheric Sci- ences				
	2011-2015	PhD student, Computational Aerosol Physics Group			
	2011	Research assistant, Computational Aerosol Physics Group			
Funded Research Projects	2020-2022	New-generation tools for robust quantification of atmospheric nanoparticle sources, Swedish Research Council Formas, 3 MSEK (ca. 280 k \in), PI			
	2020-2022	Explicit framework from molecular clusters to nanoparticles for resolving at- mospheric aerosol formation dynamics, Swedish Research Council (Vetenskap- srådet), 2.7 MSEK (ca. 251 k€), PI			
	2018	Robust modeling tools for exhaust gas cleaning through gas-to-particle conversion, the ÅForsk Foundation, 488 kSEK (ca. 47 k \in), PI			
	2012-	Smaller travel grants of a total of ca. 3 k ${\in}$			
Intellectual Property	 Atmospheric Cluster Dynamics Code (ACDC) An open-source automatized model to simulate nanoparticle formation from vapors Available at https://github.com/tolenius/ACDC/ 				
Publications	Peer-review	ved papers in international journals			
	 Total 34 research papers; 9 first-author, 8 second-author, and 1 last-author paper <i>h</i>-index 20, total >2000 citations (Google Scholar, Apr 2021) 				
	Book chapters				
	• 1 first-author book chapter (In: <i>Physical Chemistry of Gas–Liquid Interfaces</i> , Elsevier, 2018)				
	For full publ https://scl	ication list, see the separate document and e.g. Google Scholar: nolar.google.com/citations?user=hjhOSJwAAAAJ&hl=en&oi=ao			
Presentations	Conference presentations and seminars				
	 >20 presentations in international conferences and workshops (at e.g. European Aerosol Conference (EAC), International Aerosol Conference (IAC), American Association for Aerosol Research (AAAR) Annual Conference, International Conference on Nucleation and Atmospheric Aerosols (ICNAA), Faraday Discussion, Nordic Society for Aerosol Research (NOSA) Aerosol Symposium) Several seminars (at e.g. Stockholm University, KTH Royal Institute of Technology, University of Oulu) 				

2019	Invited	talk at	European	Meteorological	l Society	(EMS)	annual meeting	,

2017 Invited talk at International Aerosol Modeling Algorithms (IAMA) conference

Service	Reviewer f	Reviewer for journals			
	 ACS Omega (2021) Atmospheric Chemistry and Physics (2016, 2017, 2018, 2020) Chemistry of Materials (2020) Chemosphere (2019) Environmental Science & Technology (2013, 2018, 2019) Geoscientific Model Development (2021) Industrial & Engineering Chemistry Research (2019) Journal of Aerosol Science (2014) Journal of Geophysical Research: Atmospheres (2018) Journal of Physical Chemistry A (2014, 2017, 2019, 2020) Nature Communications (2018) Physical Chemistry Chemical Physics (2015) Contribution to conference organization Technical Program Committee member for International Aerosol Modeling Algorithms (IAMA) conference (2021) 				
Teaching	Teaching and developing undergraduate and PhD-level courses				
	2017-2019	Modeling tools for environmental scientific studies (Modelleringsverktyg för miljövetenskapliga undersökningar), Stockholm University, Department of En- vironmental Science and Analytical Chemistry, 7.5 ECTS, undergraduate course, 49 hours			
	2014	Formation and growth of atmospheric aerosols, University of Helsinki, Department of Physics, 5 ECTS, PhD course, 25 hours			
	2011-2013	Thermal physics (Termofysiikka), University of Helsinki, Department of Physics, 8 ECTS, undergraduate course, 100 hours			

Supervision Advisor for

- 3 bachelor theses (Paula Hietala 2016, Roope Halonen 2015, Matti Ala-Lahti 2014)
- 1 post doctoral researcher (Dr. Jenni Kontkanen 2017)