

# SÅren Johansson

## List of Publications by Year in descending order

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16  
papers

291  
citations

1162367

8  
h-index

996533

15  
g-index

48  
all docs

48  
docs citations

48  
times ranked

549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenge of modelling GLORIA observations of upper troposphere–lowermost stratosphere trace gas and cloud distributions at high latitudes: a case study with state-of-the-art models. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2843-2870.	1.9	0
2	Biomass burning pollution in the South Atlantic upper troposphere: GLORIA trace gas observations and evaluation of the CAMS model. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3675-3691.	1.9	3
3	Quantification and mitigation of the instrument effects and uncertainties of the airborne limb imaging FTIR GLORIA. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2503-2530.	1.2	2
4	Pollution trace gases C <sub>2</sub> H <sub>6</sub> , C <sub>2</sub> H <sub>2</sub> , H <sub>2</sub> , HCOOH, and PAN in the North Atlantic UTLS: observations and simulations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8213-8232.	1.9	6
5	Retrieval of Water Vapour Profiles from GLORIA Nadir Observations. <i>Remote Sensing</i> , 2021, 13, 3675.	1.8	1
6	The Michelson Interferometer for Passive Atmospheric Sounding global climatology of BrONO <sub>2</sub> ; 2002–2012: a test for stratospheric bromine chemistry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18433-18464.	1.9	1
7	Pollution trace gas distributions and their transport in the Asian monsoon upper troposphere and lowermost stratosphere during the StratoClim campaign 2017. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14695-14715.	1.9	8
8	Technical note: Lowermost-stratosphere moist bias in ECMWF IFS model diagnosed from airborne GLORIA observations during winter–spring 2016. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15379-15387.	1.9	5
9	Ammonium nitrate particles formed in upper troposphere from ground ammonia sources during Asian monsoons. <i>Nature Geoscience</i> , 2019, 12, 608-612.	5.4	95
10	Unusual chlorine partitioning in the 2015/16 Arctic winter lowermost stratosphere: observations and simulations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8311-8338.	1.9	10
11	Nitrification of the lowermost stratosphere during the exceptionally cold Arctic winter 2015–2016. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13681-13699.	1.9	6
12	Chlorine nitrate in the atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15363-15386.	1.9	11
13	Mesoscale fine structure of a tropopause fold over mountains. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15643-15667.	1.9	15
14	Airborne limb-imaging measurements of temperature, HNO <sub>3</sub> , O <sub>3</sub> , ClONO <sub>2</sub> , H <sub>2</sub> O and CFC-12 during the Arctic winter 2015/2016: characterization, in situ validation and comparison to Aura/MLS. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4737-4756.	1.2	23
15	Denitrification, dehydration and ozone loss during the 2015/2016 Arctic winter. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12893-12910.	1.9	35
16	Broadband photon time-of-flight spectroscopy of pharmaceuticals and highly scattering plastics in the VIS and close NIR spectral ranges. <i>Optics Express</i> , 2013, 21, 20941.	1.7	38