Annakaisa von Lerber

List of Publications by Year
in descending order

24 papers	741 citations	567144 15 h-index	642610 23 g-index
33 all docs	33 docs citations	33 times ranked	813 citing authors

#	Article	IF	Citations
1	Evaluating seasonal and regional distribution of snowfall in regional climate model simulations in the Arctic. Atmospheric Chemistry and Physics, 2022, 22, 7287-7317.	1.9	4
2	Snowfall-Rate Retrieval for K- and W-Band Radar Measurements Designed in HyytiÃ¤Ã¤, Finland, and Tested at Ny-Ã…lesund, Svalbard, Norway. Journal of Applied Meteorology and Climatology, 2021, 60, 273-289.	0.6	11
3	The Precipitation Imaging Package: Phase Partitioning Capabilities. Remote Sensing, 2021, 13, 2183.	1.8	8
4	The Precipitation Imaging Package: Assessment of Microphysical and Bulk Characteristics of Snow. Atmosphere, 2020, 11, 785.	1.0	22
5	Ice Particle Properties Inferred From Aggregation Modelling. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002066.	1.3	14
6	Towards the connection between snow microphysics and melting layer: insights from multifrequency and dual-polarization radar observations during BAECC. Atmospheric Chemistry and Physics, 2020, 20, 9547-9562.	1.9	24
7	Automated precipitation monitoring with the Thies disdrometer: biases and ways for improvement. Atmospheric Measurement Techniques, 2020, 13, 4683-4698.	1.2	20
8	Validation of Microphysical Snow Models Using In Situ, Multifrequency, and Dualâ€Polarization Radar Measurements in Finland. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13273-13290.	1.2	10
9	Validation of GMI Snowfall Observations by Using a Combination of Weather Radar and Surface Measurements. Journal of Applied Meteorology and Climatology, 2018, 57, 797-820.	0.6	22
10	Snowflake Melting Simulation Using Smoothed Particle Hydrodynamics. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1811-1825.	1.2	26
11	Retrieval of snowflake microphysical properties from multifrequency radar observations. Atmospheric Measurement Techniques, 2018, 11, 5471-5488.	1.2	50
12	Snowfall retrieval at X, Ka and WÂbands: consistency of backscattering and microphysical properties using BAECC ground-based measurements. Atmospheric Measurement Techniques, 2018, 11, 3059-3079.	1.2	32
13	How Does Riming Affect Dualâ€Polarization Radar Observations and Snowflake Shape?. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6070-6081.	1.2	32
14	European In-Situ Snow Measurements: Practices and Purposes. Sensors, 2018, 18, 2016.	2.1	50
15	Quantifying the effect of riming on snowfall using groundâ€based observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4019-4037.	1.2	46
16	Microphysical Properties of Snow and Their Link to Zeâ€"S Relations during BAECC 2014. Journal of Applied Meteorology and Climatology, 2017, 56, 1561-1582.	0.6	62
17	Ensemble mean density and its connection to other microphysical properties of falling snow as observed in Southern Finland. Atmospheric Measurement Techniques, 2016, 9, 4825-4841.	1.2	49
18	BAECC: A Field Campaign to Elucidate the Impact of Biogenic Aerosols on Clouds and Climate. Bulletin of the American Meteorological Society, 2016, 97, 1909-1928.	1.7	71

#	Article	IF	Citations
19	How dual‐polarization radar observations can be used to verify model representation of secondary ice. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,954.	1.2	30
20	Observed relations between snowfall microphysics and triple‐frequency radar measurements. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6034-6055.	1.2	123
21	Modeling Radar Attenuation by a Low Melting Layer With Optimized Model Parameters at C-Band. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 724-737.	2.7	11
22	Modeling radar backscattering from melting snowflakes using spheroids with nonuniform distribution of water. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 504-519.	1.1	12
23	Multifrequency microwave radiometer measurements of snow on lake ice. , 2012, , .		4
24	Microwave emission signature of snow-covered lake ice. , 2011, , .		3