Annakaisa von Lerber

List of Publications by Year
in descending order

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24	741	566801 15	642321 23
papers	citations	h-index	g-index

33	33	33	813
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observed relations between snowfall microphysics and tripleâ€frequency radar measurements. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6034-6055.	1.2	123
2	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
3	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
4	Retrieval of snowflake microphysical properties from multifrequency radar observations. Atmospheric Measurement Techniques, 2018, 11, 5471-5488.	1.2	50
5	European In-Situ Snow Measurements: Practices and Purposes. Sensors, 2018, 18, 2016.	2.1	50
6	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
7	Quantifying the effect of riming on snowfall using groundâ€based observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4019-4037.	1.2	46
8	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
9	How Does Riming Affect Dualâ€Polarization Radar Observations and Snowflake Shape?. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6070-6081.	1.2	32
10	How dualâ€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
11	Snowflake Melting Simulation Using Smoothed Particle Hydrodynamics. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1811-1825.	1.2	26
12	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
13	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
14	The Precipitation Imaging Package: Assessment of Microphysical and Bulk Characteristics of Snow. Atmosphere, 2020, 11, 785.	1.0	22
15	Automated precipitation monitoring with the Thies disdrometer: biases and ways for improvement. Atmospheric Measurement Techniques, 2020, 13, 4683-4698.	1.2	20
16	Ice Particle Properties Inferred From Aggregation Modelling. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002066.	1.3	14
17	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
18	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

#	Article	IF	Citations
19	Snowfall-Rate Retrieval for K- and W-Band Radar Measurements Designed in HyytiÃlÃ, Finland, and Tested at Ny-Ã…lesund, Svalbard, Norway. Journal of Applied Meteorology and Climatology, 2021, 60, 273-289.	0.6	11
20	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
21	The Precipitation Imaging Package: Phase Partitioning Capabilities. Remote Sensing, 2021, 13, 2183.	1.8	8
22	Multifrequency microwave radiometer measurements of snow on lake ice. , 2012, , .		4
23	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
24	Microwave emission signature of snow-covered lake ice. , 2011, , .		3