

Susanne Crewell

List of Publications by Year in descending order

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152
papers

5,614
citations

76196

40
h-index

102304

66
g-index

206
all docs

206
docs citations

206
times ranked

4507
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental conditions for polar low formation and development over the Nordic Seas: study of January cases based on the Arctic System Reanalysis. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 71, 1618131.	0.8	5
2	Case study of a moisture intrusion over the Arctic with the ICOSahedral Non-hydrostatic (ICON) model: resolution dependence of its representation. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 173-196.	1.9	6
3	EUREC4A's ship-based cloud and micro rain radar observations of clouds and precipitation. <i>Earth System Science Data</i> , 2022, 14, 33-55.	3.7	3
4	Atmospheric rivers and associated precipitation patterns during the A-CLOUD and PASCAL campaigns near Svalbard (May–June 2017): case studies using observations, reanalyses, and a regional climate model. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 441-463.	1.9	5
5	Overview of the MOSAiC expedition: Atmosphere. <i>Elementa</i> , 2022, 10, .	1.1	121
6	Evaluating seasonal and regional distribution of snowfall in regional climate model simulations in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7287-7317.	1.9	4
7	Balancing potential of natural variability and extremes in photovoltaic and wind energy production for European countries. <i>Renewable Energy</i> , 2021, 163, 674-684.	4.3	21
8	Synoptic-to-Regional-Scale Analysis of Rainfall in the Atacama Desert (18°–26°S) Using a Long-Term Simulation with WRF. <i>Monthly Weather Review</i> , 2021, 149, 91-112.	0.5	10
9	Snowfall-Rate Retrieval for K- and W-Band Radar Measurements Designed in Hyytiälä, Finland, and Tested at Ny-Ålesund, Svalbard, Norway. <i>Journal of Applied Meteorology and Climatology</i> , 2021, 60, 273-289.	0.6	11
10	High Levels of CO ₂ Exchange During Synoptic-Scale Events Introduce Large Uncertainty Into the Arctic Carbon Budget. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092256.	1.5	6
11	Towards a climatology of fog frequency in the Atacama Desert via multi-spectral satellite data and machine learning techniques. <i>Journal of Applied Meteorology and Climatology</i> , 2021, . .	0.6	4
12	A systematic assessment of water vapor products in the Arctic: from instantaneous measurements to monthly means. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4829-4856.	1.2	10
13	EUREC4A. <i>Earth System Science Data</i> , 2021, 13, 4067-4119.	3.7	88
14	EUREC4A's HALO. <i>Earth System Science Data</i> , 2021, 13, 5545-5563.	3.7	24
15	The Role of Moisture Conveyor Belts for Precipitation in the Atacama Desert. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	9
16	The added value of high resolution regional reanalyses for wind power applications. <i>Renewable Energy</i> , 2020, 148, 1094-1109.	4.3	33
17	The impact of climate change on astronomical observations. <i>Nature Astronomy</i> , 2020, 4, 826-829.	4.2	18
18	Assessment of Sampling Effects on Various Satellite-Derived Integrated Water Vapor Datasets Using GPS Measurements in Germany as Reference. <i>Remote Sensing</i> , 2020, 12, 1170.	1.8	10

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19	Water vapor variability in the Atacama Desert during the 20th century. <i>Global and Planetary Change</i> , 2020, 190, 103192.	1.6	19
20	Detection of land-surface-induced atmospheric water vapor patterns. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1723-1736.	1.9	4
21	Detection and attribution of aerosol–cloud interactions in large-domain large-eddy simulations with the ICOSahedral Non-hydrostatic model. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5657-5678.	1.9	20
22	Small-scale structure of thermodynamic phase in Arctic mixed-phase clouds observed by airborne remote sensing during a cold air outbreak and a warm air advection event. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5487-5511.	1.9	16
23	The Added Value of Large-eddy and Storm-resolving Models for Simulating Clouds and Precipitation. <i>Journal of the Meteorological Society of Japan</i> , 2020, 98, 395-435.	0.7	93
24	PAMTRA 1.0: the Passive and Active Microwave radiative TRANSfer tool for simulating radiometer and radar measurements of the cloudy atmosphere. <i>Geoscientific Model Development</i> , 2020, 13, 4229-4251.	1.3	35
25	National Status Reports. , 2020, , 403-481.		1
26	Photovoltaic power potential in West Africa using long-term satellite data. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12871-12888.	1.9	8
27	Multilayer cloud conditions in trade wind shallow cumulus – confronting two ICON model derivatives with airborne observations. <i>Geoscientific Model Development</i> , 2020, 13, 5757-5777.	1.3	5
28	Trends of Vertically Integrated Water Vapor over the Arctic during 1979–2016: Consistent Moistening All Over?. <i>Journal of Climate</i> , 2019, 32, 6097-6116.	1.2	45
29	A Standardized Atmospheric Measurement Data Archive for Distributed Cloud and Precipitation Process-Oriented Observations in Central Europe. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1299-1314.	1.7	6
30	Investigating the liquid water path over the tropical Atlantic with synergistic airborne measurements. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3237-3254.	1.2	19
31	Microwave Radar/radiometer for Arctic Clouds (MiRAC): first insights from the ALOUD campaign. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5019-5037.	1.2	17
32	Atmospheric Gas Absorption Knowledge in the Submillimeter: Modeling, Field Measurements, and Uncertainty Quantification. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, ES291-ES295.	1.7	6
33	A High-Altitude Long-Range Aircraft Configured as a Cloud Observatory: The NARVAL Expeditions. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1061-1077.	1.7	47
34	Cloud base height retrieval from multi-angle satellite data. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1841-1860.	1.2	18
35	Improvement of airborne retrievals of cloud droplet number concentration of trade wind cumulus using a synergetic approach. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1635-1658.	1.2	6
36	Towards more realistic hypotheses for the information content analysis of cloudy/precipitating situations – Application to a hyperspectral instrument in the microwave. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 1-14.	1.0	23

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37	The Second ARM Training and Science Application Event: Training the Next Generation of Atmospheric Scientists. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, ES5-ES9.	1.7	1
38	The Arctic Cloud Puzzle: Using ALOUD/PASCAL Multiplatform Observations to Unravel the Role of Clouds and Aerosol Particles in Arctic Amplification. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 841-871.	1.7	145
39	Benefit of high resolution COSMO reanalysis: The diurnal cycle of column-integrated water vapor over Germany. <i>Meteorologische Zeitschrift</i> , 2019, 28, 165-177.	0.5	8
40	Impact of atmospheric aerosols on solar power. <i>Meteorologische Zeitschrift</i> , 2019, 28, 305-321.	0.5	15
41	A unified data set of airborne cloud remote sensing using the HALO Microwave Package (HAMP). <i>Earth System Science Data</i> , 2019, 11, 921-934.	3.7	18
42	Bias correction of a novel European reanalysis data set for solar energy applications. <i>Solar Energy</i> , 2018, 164, 12-24.	2.9	60
43	Long-Term Observations and High-Resolution Modeling of Midlatitude Nocturnal Boundary Layer Processes Connected to Low-Level Jets. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 1155-1170.	0.6	19
44	Meteorological conditions during the ALOUD/PASCAL field campaign near Svalbard in early summer 2017. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17995-18022.	1.9	41
45	The North Atlantic Waveguide and Downstream Impact Experiment. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1607-1637.	1.7	105
46	Characterization of Water Vapor and Clouds During the Next-Generation Aircraft Remote Sensing for Validation (NARVAL) South Studies. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 3114-3124.	2.3	15
47	A 3D variational retrieval of temperature, humidity, and liquid cloud properties: Performance under idealized and real conditions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1746-1766.	1.2	15
48	Impact of atmospheric aerosols on photovoltaic energy production Scenario for the Sahel zone. <i>Energy Procedia</i> , 2017, 125, 170-179.	1.8	33
49	Large-eddy simulations over Germany using ICON: a comprehensive evaluation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 69-100.	1.0	175
50	EUREC4A: A Field Campaign to Elucidate the Couplings Between Clouds, Convection and Circulation. <i>Surveys in Geophysics</i> , 2017, 38, 1529-1568.	2.1	132
51	The HD(CP)<sup>2</sup> Observational Prototype Experiment (HOPE) – an overview. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4887-4914.	1.9	67
52	A novel convective-scale regional reanalysis COSMO-REA2: Improving the representation of precipitation. <i>Meteorologische Zeitschrift</i> , 2017, 26, 345-361.	0.5	60
53	EUREC4A: A Field Campaign to Elucidate the Couplings Between Clouds, Convection and Circulation. <i>Space Sciences Series of ISSI</i> , 2017, , 357-396.	0.0	2
54	Understanding Causes and Effects of Rapid Warming in the Arctic. <i>Eos</i> , 2017, , .	0.1	76

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55	Ground-based lidar and microwave radiometry synergy for high vertical resolution absolute humidity profiling. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4013-4028.	1.2	20
56	Combining Sun-Induced Chlorophyll Fluorescence and Photochemical Reflectance Index Improves Diurnal Modeling of Gross Primary Productivity. <i>Remote Sensing</i> , 2016, 8, 574.	1.8	44
57	Parallel Developments and Formal Collaboration between European Atmospheric Profiling Observatories and the U.S. ARM Research Program. <i>Meteorological Monographs</i> , 2016, 57, 29.1-29.34.	5.0	9
58	Adaptive Estimation of the Stable Boundary Layer Height Using Combined Lidar and Microwave Radiometer Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 6895-6906.	2.7	16
59	Calibrating ground-based microwave radiometers: Uncertainty and drifts. <i>Radio Science</i> , 2016, 51, 311-327.	0.8	22
60	Training Network for Young Atmospheric Researchers. <i>Eos</i> , 2016, 97, .	0.1	1
61	Synergetic use of LiDAR and microwave radiometer observations for boundary-layer height detection. , 2015, , .		2
62	Microwave hyperspectral measurements for temperature and humidity atmospheric profiling from satellite: The clear-sky case. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,334.	1.2	30
63	Monitoring and Modeling the Terrestrial System from Pores to Catchments: The Transregional Collaborative Research Center on Patterns in the Soil-Vegetation-Atmosphere System. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1765-1787.	1.7	80
64	JOYCE: Jülich Observatory for Cloud Evolution. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1157-1174.	1.7	87
65	Overlap statistics of shallow boundary layer clouds: Comparing ground-based observations with large-eddy simulations. <i>Geophysical Research Letters</i> , 2015, 42, 8185-8191.	1.5	10
66	Polarization signatures and brightness temperatures caused by horizontally oriented snow particles at microwave bands: Effects of atmospheric absorption. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6145-6160.	1.2	18
67	Assessment of small-scale integrated water vapour variability during HOPE. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2675-2692.	1.9	112
68	Towards a high-resolution regional reanalysis for the European CORDEX domain. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 1-15.	1.0	184
69	Cloud and precipitation properties from ground-based remote-sensing instruments in East Antarctica. <i>Cryosphere</i> , 2015, 9, 285-304.	1.5	67
70	Adaptive estimation of the stable boundary-layer height using backscatter LiDAR data and a Kalman filter. , 2015, , .		1
71	Performance test of the synergetic use of simulated lidar and microwave radiometer observations for mixing-layer height detection. , 2015, , .		2
72	How microphysical choices affect simulated infrared brightness temperatures. <i>Atmospheric Research</i> , 2015, 156, 67-79.	1.8	14

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73	Diurnal Dynamics of Wheat Evapotranspiration Derived from Ground-Based Thermal Imagery. Remote Sensing, 2014, 6, 9775-9801.	1.8	8
74	Mixing-layer height retrieval with ceilometer and Doppler lidar: from case studies to long-term assessment. Atmospheric Measurement Techniques, 2014, 7, 3685-3704.	1.2	108
75	HAMP – the microwave package on the High Altitude and Long range research aircraft (HALO). Atmospheric Measurement Techniques, 2014, 7, 4539-4553.	1.2	50
76	Water Vapor Tomography With Two Microwave Radiometers. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 419-423.	1.4	8
77	How does the spaceborne radar blind zone affect derived surface snowfall statistics in polar regions?. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,604.	1.2	71
78	Combining ground-based with satellite-based measurements in the atmospheric state retrieval: Assessment of the information content. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6940-6956.	1.2	37
79	Large-Eddy Atmosphere – Land-Surface Modelling over Heterogeneous Surfaces: Model Development and Comparison with Measurements. Boundary-Layer Meteorology, 2013, 148, 333-356.	1.2	47
80	Investigation of ground-based microwave radiometer calibration techniques at 530 hPa. Atmospheric Measurement Techniques, 2013, 6, 2641-2658.	1.2	53
81	AWARDS: Advanced microwave radiometers for deep space stations. Space Communications, 2013, 22, 159-170.	0.6	4
82	Biases caused by the instrument bandwidth and beam width on simulated brightness temperature measurements from scanning microwave radiometers. Atmospheric Measurement Techniques, 2013, 6, 1171-1187.	1.2	17
83	Observing ice clouds in the submillimeter spectral range: the CloudIce mission proposal for ESA's Earth Explorer 8. Atmospheric Measurement Techniques, 2012, 5, 1529-1549.	1.2	51
84	Instruments, data and techniques for the assessment of tropospheric noise in deep space tracking. , 2012, , .		2
85	Microwave Radiometers for Deep Space radioscience experiments: Instrumental internal noise characterization. , 2012, , .		1
86	Instruments, data and techniques for the assessment of the atmospheric noise emission in Satcom ground stations. , 2012, , .		4
87	Snow particle orientation observed by ground-based microwave radiometry. Journal of Geophysical Research, 2012, 117, .	3.3	30
88	Ground-based high spectral resolution observations of the entire terrestrial spectrum under extremely dry conditions. Geophysical Research Letters, 2012, 39, .	1.5	24
89	Heat and moisture budgets from airborne measurements and high-resolution model simulations. Meteorology and Atmospheric Physics, 2012, 117, 47-61.	0.9	4
90	Regime-dependent evaluation of accumulated precipitation in COSMO. Theoretical and Applied Climatology, 2012, 108, 39-52.	1.3	9

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91	Evaluation of ice and snow content in the global numerical weather prediction model GME with CloudSat. <i>Geoscientific Model Development</i> , 2011, 4, 579-589.	1.3	8
92	Horizontal-Humidity Gradient From One Single-Scanning Microwave Radiometer. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 336-340.	1.4	13
93	Long-term evaluation of COSMO forecasting using combined observational data of the GOP period. <i>Meteorologische Zeitschrift</i> , 2011, 20, 119-132.	0.5	28
94	Cloud statistics and cloud radiative effect for a low-altitude mountain site. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 306-324.	1.0	17
95	The Convective and Orographically-Induced Precipitation Study (COPS): the scientific strategy, the field phase, and research highlights. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 3-30.	1.0	181
96	A Multisensor Approach Toward a Better Understanding of Snowfall Microphysics: The TOSCA Project. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 613-628.	1.7	40
97	Validating precipitation forecasts using remote sensor synergy: A case study approach. <i>Meteorologische Zeitschrift</i> , 2010, 19, 601-617.	0.5	9
98	Diurnal cycle of the intertropical discontinuity over West Africa analysed by remote sensing and mesoscale modelling. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 92-106.	1.0	37
99	Snow scattering signals in ground-based passive microwave radiometer measurements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	48
100	On characterizing the error in a remotely sensed liquid water content profile. <i>Atmospheric Research</i> , 2010, 98, 57-68.	1.8	31
101	Modifications to the Water Vapor Continuum in the Microwave Suggested by Ground-Based 150-GHz Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 3326-3337.	2.7	76
102	Ground-Based Temperature and Humidity Profiling Using Spectral Infrared and Microwave Observations. Part I: Simulated Retrieval Performance in Clear-Sky Conditions. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 1017-1032.	0.6	114
103	The impact of convergence zones on the initiation of deep convection: A case study from COPS. <i>Atmospheric Research</i> , 2009, 93, 680-694.	1.8	77
104	Can liquid water profiles be retrieved from passive microwave zenith observations?. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	37
105	Investigating Water Vapor Variability by Ground-Based Microwave Radiometry: Evaluation Using Airborne Observations. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009, 6, 157-161.	1.4	11
106	A novel microwave radiometer for assessment of atmospheric propagation conditions for 10 and 90 GHz frequency bands. , 2008, , .		3
107	A Novel Ground-Based Microwave Radiometer for High Precision Atmospheric Observations between 10 and 90 GHz. , 2008, , .		3
108	RESEARCH CAMPAIGN: The Convective and Orographically Induced Precipitation Study. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 1477-1486.	1.7	194

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109	Advances in Continuously Profiling the Thermodynamic State of the Boundary Layer: Integration of Measurements and Methods. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 1251-1266.	0.5	36
110	A Midlatitude Precipitating Cloud Database Validated with Satellite Observations. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 1337-1353.	0.6	38
111	Mechanisms initiating deep convection over complex terrain during COPS. <i>Meteorologische Zeitschrift</i> , 2008, 17, 931-948.	0.5	86
112	The general observation period 2007 within the priority program on quantitative precipitation forecasting: Concept and first results. <i>Meteorologische Zeitschrift</i> , 2008, 17, 849-866.	0.5	29
113	Radiative Transfer Simulations Using Mesoscale Cloud Model Outputs: Comparisons with Passive Microwave and Infrared Satellite Observations for Midlatitudes. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 1550-1568.	0.6	42
114	Boundary layer observations in West Africa using a novel microwave radiometer. <i>Meteorologische Zeitschrift</i> , 2007, 16, 513-523.	0.5	21
115	Information Content of Millimeter-Wave Observations for Hydrometeor Properties in Mid-Latitudes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007, 45, 2287-2299.	2.7	9
116	Accuracy of Boundary Layer Temperature Profiles Retrieved With Multifrequency Multiangle Microwave Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007, 45, 2195-2201.	2.7	79
117	Path length distributions for solar photons under cloudy skies: Comparison of measured first and second moments with predictions from classical and anomalous diffusion theories. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	23
118	Model predicted low-level cloud parameters. <i>Atmospheric Research</i> , 2006, 82, 83-101.	1.8	9
119	Model predicted low-level cloud parameters. <i>Atmospheric Research</i> , 2006, 82, 55-82.	1.8	9
120	Surrogate cloud fields generated with the iterative amplitude adapted Fourier transform algorithm. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2006, 58, 104-120.	0.8	50
121	Emission and scattering by clouds and precipitation. , 2006, , 101-224.		6
122	Ground-based remote sensing of the cloudy atmosphere - towards an all-encompassing retrieval algorithm. , 2005, , JMA6.		0
123	A network suitable microwave radiometer for operational monitoring of the cloudy atmosphere. <i>Atmospheric Research</i> , 2005, 75, 183-200.	1.8	343
124	Comparison of model predicted liquid water path with ground-based measurements during CLIWA-NET. <i>Atmospheric Research</i> , 2005, 75, 201-226.	1.8	36
125	Assessing model predicted vertical cloud structure and cloud overlap with radar and lidar ceilometer observations for the Baltex Bridge Campaign of CLIWA-NET. <i>Atmospheric Research</i> , 2005, 75, 227-255.	1.8	32
126	An Integrated Approach toward Retrieving Physically Consistent Profiles of Temperature, Humidity, and Cloud Liquid Water. <i>Journal of Applied Meteorology and Climatology</i> , 2004, 43, 1295-1307.	1.7	81

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127	THE BALTEX BRIDGE CAMPAIGN: An Integrated Approach for a Better Understanding of Clouds. Bulletin of the American Meteorological Society, 2004, 85, 1565-1584.	1.7	39
128	Accuracy of cloud liquid water path from ground-based microwave radiometry 2. Sensor accuracy and synergy. Radio Science, 2003, 38, n/a-n/a.	0.8	117
129	Accuracy of cloud liquid water path from ground-based microwave radiometry 1. Dependency on cloud model statistics. Radio Science, 2003, 38, n/a-n/a.	0.8	125
130	Lidar Research Network Water Vapor and Wind. Meteorologische Zeitschrift, 2003, 12, 5-24.	0.5	6
131	Discrimination of cloud and rain liquid water path by groundbased polarized microwave radiometry. Geophysical Research Letters, 2001, 28, 267-270.	1.5	31
132	Microwave Radiometer for Cloud Carthography: A 22-channel ground-based microwave radiometer for atmospheric research. Radio Science, 2001, 36, 621-638.	0.8	46
133	Interpretation of Polarization Features in Ground-Based Microwave Observations as Caused by Horizontally Aligned Oblate Raindrops. Journal of Applied Meteorology and Climatology, 2001, 40, 1918-1932.	1.7	22
134	Profiling Cloud Liquid Water by Combining Active and Passive Microwave Measurements with Cloud Model Statistics. Journal of Atmospheric and Oceanic Technology, 2001, 18, 1354-1366.	0.5	50
135	Cloud remote sensing by combining synergetic sensor information. Physics and Chemistry of the Earth, 2000, 25, 1043-1048.	0.3	4
136	Assimilation of radar data in mesoscale models: Physical initialization and latent heat nudging. Physics and Chemistry of the Earth, 2000, 25, 1237-1242.	0.3	24
137	Simulation of weather radar products from a mesoscale model. Physics and Chemistry of the Earth, 2000, 25, 1257-1261.	0.3	5
138	Simulation of radar reflectivities using a mesoscale weather forecast model. Water Resources Research, 2000, 36, 2221-2231.	1.7	23
139	A ground based multi-sensor system for the remote sensing of clouds. Physics and Chemistry of the Earth, 1999, 24, 207-211.	0.3	3
140	Millimeter wave spectroscopic measurements over the South Pole: 3. The behavior of stratospheric nitric acid through polar fall, winter, and spring. Journal of Geophysical Research, 1997, 102, 1399-1410.	3.3	26
141	Airborne heterodyne measurements of stratospheric ClO, HCl, O3, and N2O during SESAME 1 over northern Europe. Journal of Geophysical Research, 1997, 102, 1391-1398.	3.3	15
142	Millimeter wave spectroscopic measurements over the South Pole: 4. O3and N2O during 1995 and their correlations for two quasi-annual cycles. Journal of Geophysical Research, 1997, 102, 6109-6116.	3.3	7
143	Correlated millimeter wave measurements of ClO, N2O, and HNO3from McMurdo, Antarctica, during polar spring 1994. Journal of Geophysical Research, 1996, 101, 20925-20932.	3.3	5
144	ASUR-an airborne SIS receiver for atmospheric measurements of trace gases at 625 to 760 GHz. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2543-2548.	2.9	38

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145	Comparison of ClO measurements by airborne and spaceborne microwave radiometers in the Arctic winter stratosphere 1993. <i>Geophysical Research Letters</i> , 1995, 22, 1489-1492.	1.5	20
146	Remote sensing of ClO and HCl over northern Scandinavia in winter 1992 with an airborne submillimeter radiometer. <i>Journal of Geophysical Research</i> , 1995, 100, 20957.	3.3	20
147	Millimeter wave spectroscopic measurements over the South Pole: 1. A study of stratospheric dynamics using N ₂ O observations. <i>Journal of Geophysical Research</i> , 1995, 100, 20839.	3.3	22
148	Aircraft measurements of ClO and HCl during EASOE 1991/92. <i>Geophysical Research Letters</i> , 1994, 21, 1267-1270.	1.5	20
149	Latent Heat Flux over the North Atlantic Ocean—A Case Study. <i>Journal of Applied Meteorology and Climatology</i> , 1991, 30, 1627-1635.	1.7	15
150	Frontiers in surface-based microwave and millimeter wavelength radiometry. , 0, , .		1
151	Heterodyne Detection Of Stratospheric Trace Gases At Submillimeter-Wave Frequencies. , 0, , .		9
152	Detection of atmospheric chlorine-compounds with an airborne submillimeter receiver. , 0, , .		0