

Pavlos Kollias

List of Publications by Year in descending order

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162
papers

6,412
citations

81743

39
h-index

88477

70
g-index

180
all docs

180
docs citations

180
times ranked

3875
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerosol and Cloud Experiments in the Eastern North Atlantic (ACE-ENA). Bulletin of the American Meteorological Society, 2022, 103, E619-E641.	1.7	33
2	Chasing Snowstorms: The Investigation of Microphysics and Precipitation for Atlantic Coast-Threatening Snowstorms (IMPACTS) Campaign. Bulletin of the American Meteorological Society, 2022, 103, E1243-E1269.	1.7	18
3	Mind the Gap - Part 3: Doppler Velocity Measurements From Space. Frontiers in Remote Sensing, 2022, 3, .	1.3	7
4	Time-Delayed Tandem Microwave Observations of Tropical Deep Convection: Overview of the C2OMODO Mission. Frontiers in Remote Sensing, 2022, 3, .	1.3	2
5	Agile Weather Observations using a Dual-Polarization X-band Phased Array Radar. , 2022, , .		2
6	Observation error analysis for the WInd VELOCITY Radar Nephoscope W-band Doppler conically scanning spaceborne radar via end-to-end simulations. Atmospheric Measurement Techniques, 2022, 15, 3011-3030.	1.2	2
7	New insights on the prevalence of drizzle in marine stratocumulus clouds based on a machine learning algorithm applied to radar Doppler spectra. Atmospheric Chemistry and Physics, 2022, 22, 7405-7416.	1.9	8
8	Observations of Aerosol, Cloud, Turbulence, and Radiation Properties at the Top of the Marine Boundary Layer over the Eastern North Atlantic Ocean: The ACORES Campaign. Bulletin of the American Meteorological Society, 2021, 102, E123-E147.	1.7	16
9	New insights into ice multiplication using remote-sensing observations of slightly supercooled mixed-phase clouds in the Arctic. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
10	Multifrequency radar observations of clouds and precipitation including the G-band. Atmospheric Measurement Techniques, 2021, 14, 3615-3629.	1.2	13
11	Analysis of the microphysical properties of snowfall using scanning polarimetric and vertically pointing multi-frequency Doppler radars. Atmospheric Measurement Techniques, 2021, 14, 4893-4913.	1.2	12
12	Supercooled Liquid Water Detection Capabilities from Ka-Band Doppler Profiling Radars: Moment-Based Algorithm Formulation and Assessment. Remote Sensing, 2021, 13, 2891.	1.8	3
13	Environmental sensitivities of shallow-cumulus dilution “ Part 2: Vertical wind profile. Atmospheric Chemistry and Physics, 2021, 21, 14039-14058.	1.9	4
14	On the Estimation of In-Cloud Vertical Air Motion Using Radar Doppler Spectra. Geophysical Research Letters, 2021, 48, .	1.5	13
15	Rain-rate estimation algorithm using signal attenuation of Ka-band cloud radar. Meteorological Applications, 2020, 27, e1825.	0.9	4
16	The Cloud-resolving model Radar SIMulator (CR-SIM) Version 3.3: description and applications of a virtual observatory. Geoscientific Model Development, 2020, 13, 1975-1998.	1.3	28
17	Spaceborne Cloud and Precipitation Radars: Status, Challenges, and Ways Forward. Reviews of Geophysics, 2020, 58, e2019RG000686.	9.0	78
18	The ARM Radar Network: At the Leading Edge of Cloud and Precipitation Observations. Bulletin of the American Meteorological Society, 2020, 101, E588-E607.	1.7	35

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19	Mind the gap – Part 1: Accurately locating warm marine boundary layer clouds and precipitation using spaceborne radars. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2363-2379.	1.2	16
20	Agile Adaptive Radar Sampling of Fast-Evolving Atmospheric Phenomena Guided by Satellite Imagery and Surface Cameras. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088440.	1.5	8
21	Triple-Frequency Radar Retrievals. <i>Advances in Global Change Research</i> , 2020, , 211-229.	1.6	10
22	Microphysical Insights into Ice Pellet Formation Revealed by Fully Polarimetric Ka-Band Doppler Radar. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 1557-1580.	0.6	10
23	Environmental sensitivities of shallow-cumulus dilution – Part 1: Selected thermodynamic conditions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13217-13239.	1.9	8
24	Mind the gap – Part 2: Improving quantitative estimates of cloud and rain water path in oceanic warm rain using spaceborne radars. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4865-4883.	1.2	11
25	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
26	Snowflake Selfies: A Low-Cost, High-Impact Approach toward Student Engagement in Scientific Research (with Their Smartphones). <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E917-E935.	1.7	2
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	Evaluation of Shallow-Cumulus Entrainment Rate Retrievals Using Large-Eddy Simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9624-9643.	1.2	10
29	Evaluation of differential absorption radars in the 183-GHz band for profiling water vapour in ice clouds. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3335-3349.	1.2	17
30	Reconciling Differences Between Large-Eddy Simulations and Doppler Lidar Observations of Continental Shallow Cumulus Cloud-Base Vertical Velocity. <i>Geophysical Research Letters</i> , 2019, 46, 11539-11547.	1.5	14
31	The Impact of the Radar-Sampling Volume on Multiwavelength Spaceborne Radar Measurements Using Airborne Radar Observations. <i>Remote Sensing</i> , 2019, 11, 2263.	1.8	5
32	Comparison of Antarctic and Arctic Single-Layer Stratiform Mixed-Phase Cloud Properties Using Ground-Based Remote Sensing Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10186-10204.	1.2	14
33	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
34	Investigation of observational error sources in multi-Doppler-radar three-dimensional variational vertical air motion retrievals. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1999-2018.	1.2	22
35	A New Criterion to Improve Operational Drizzle Detection with Ground-Based Remote Sensing. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 781-801.	0.5	12
36	A new approach to estimate supersaturation fluctuations in stratocumulus cloud using ground-based remote-sensing measurements. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5817-5828.	1.2	11

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37	Characterization of shallow oceanic precipitation using profiling and scanning radar observations at the Eastern North Atlantic ARM observatory. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 4931-4947.	1.2	18
38	Calibration of the 2007–2017 record of Atmospheric Radiation Measurements cloud radar observations using CloudSat. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 4949-4964.	1.2	27
39	The Vertical Structure of Liquid Water Content in Shallow Clouds as Retrieved From Dual-Wavelength Radar Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 14184-14197.	1.2	15
40	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
41	Toward Exploring the Synergy Between Cloud Radar Polarimetry and Doppler Spectral Analysis in Deep Cold Precipitating Systems in the Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2797-2815.	1.2	27
42	Simulation of Mesoscale Cellular Convection in Marine Stratocumulus. Part I: Drizzling Conditions. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 257-274.	0.6	15
43	Ice particle production in mid-level stratiform mixed-phase clouds observed with collocated A-Train measurements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4317-4327.	1.9	31
44	Marine boundary layer aerosol in the eastern North Atlantic: seasonal variations and key controlling processes. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17615-17635.	1.9	51
45	(GO)-SIM: a GCM-oriented ground-observation forward-simulator framework for objective evaluation of cloud and precipitation phase. <i>Geoscientific Model Development</i> , 2018, 11, 4195-4214.	1.3	12
46	Remote Sensing of Droplet Number Concentration in Warm Clouds: A Review of the Current State of Knowledge and Perspectives. <i>Reviews of Geophysics</i> , 2018, 56, 409-453.	9.0	185
47	Relationship between Turbulence and Drizzle in Continental and Marine Low Stratiform Clouds. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 4139-4148.	0.6	7
48	Scaling of Drizzle Virga Depth With Cloud Thickness for Marine Stratocumulus Clouds. <i>Geophysical Research Letters</i> , 2018, 45, 3746-3753.	1.5	20
49	WIVERN: A New Satellite Concept to Provide Global In-Cloud Winds, Precipitation, and Cloud Properties. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1669-1687.	1.7	26
50	Revisiting Liquid Water Content Retrievals in Warm Stratified Clouds: The Modified Frisch. <i>Geophysical Research Letters</i> , 2018, 45, 9323-9330.	1.5	12
51	On the Forward Modeling of Radar Doppler Spectrum Width From LES: Implications for Model Evaluation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7444-7461.	1.2	3
52	The ARM Cloud Radar Simulator for Global Climate Models: Bridging Field Data and Climate Models. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 21-26.	1.7	24
53	Cloud droplet size distribution broadening during diffusional growth: ripening amplified by deactivation and reactivation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7313-7328.	1.9	30
54	Advances and applications in low-power phased array X-band weather radars. , 2018, , .		8

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55	The EarthCARE cloud profiling radar (CPR) doppler measurements in deep convection: challenges, post-processing, and science applications. , 2018, , .		14
56	Retrieval of Vertical Air Motion in Precipitating Clouds Using Mie Scattering and Comparison with In Situ Measurements. Journal of Applied Meteorology and Climatology, 2017, 56, 537-553.	0.6	8
57	Cloud-resolving model intercomparison of an MC3E squall line case: Part I—Convective updrafts. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9351-9378.	1.2	106
58	Use of Cloud Radar Doppler Spectra to Evaluate Stratocumulus Drizzle Size Distributions in Large-Eddy Simulations with Size-Resolved Microphysics. Journal of Applied Meteorology and Climatology, 2017, 56, 3263-3283.	0.6	20
59	Large-Eddy Simulation of Shallow Cumulus over Land: A Composite Case Based on ARM Long-Term Observations at Its Southern Great Plains Site. Journals of the Atmospheric Sciences, 2017, 74, 3229-3251.	0.6	28
60	Influences of drizzle on stratocumulus cloudiness and organization. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6989-7003.	1.2	17
61	Rain retrieval from dual-frequency radar Doppler spectra: validation and potential for a midlatitude precipitating case study. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1364-1380.	1.0	25
62	Impacts of solar-absorbing aerosol layers on the transition of stratocumulus to trade cumulus clouds. Atmospheric Chemistry and Physics, 2017, 17, 12725-12742.	1.9	30
63	Aerosol and cloud microphysics covariability in the northeast Pacific boundary layer estimated with ship-based and satellite remote sensing observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2403-2418.	1.2	15
64	Vertical air motion retrievals in deep convective clouds using the ARM scanning radar network in Oklahoma during MC3E. Atmospheric Measurement Techniques, 2017, 10, 2785-2806.	1.2	28
65	Optimizing observations of drizzle onset with millimeter-wavelength radars. Atmospheric Measurement Techniques, 2017, 10, 1783-1802.	1.2	17
66	A W-Band Radar Radiometer System for Accurate and Continuous Monitoring of Clouds and Precipitation. Journal of Atmospheric and Oceanic Technology, 2017, 34, 2375-2392.	0.5	63
67	Planning the Next Decade of Coordinated Research to Better Understand and Simulate Marine Low Clouds. Bulletin of the American Meteorological Society, 2016, 97, 1699-1702.	1.7	13
68	The performance of the EarthCARE Cloud Profiling Radar in marine stratiform clouds. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,525.	1.2	21
69	On Polarimetric Radar Signatures of Deep Convection for Model Evaluation: Columns of Specific Differential Phase Observed during MC3E*. Monthly Weather Review, 2016, 144, 737-758.	0.5	38
70	Development and Applications of ARM Millimeter-Wavelength Cloud Radars. Meteorological Monographs, 2016, 57, 17.1-17.19.	5.0	65
71	On the Controls of Daytime Precipitation in the Amazonian Dry Season. Journal of Hydrometeorology, 2016, 17, 3079-3097.	0.7	17
72	The Two-Column Aerosol Project: Phase I—Overview and impact of elevated aerosol layers on aerosol optical depth. Journal of Geophysical Research D: Atmospheres, 2016, 121, 336-361.	1.2	33

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73	Estimation of cloud fraction profile in shallow convection using a scanning cloud radar. <i>Geophysical Research Letters</i> , 2016, 43, 10,998.	1.5	22
74	First observations of triple-frequency radar Doppler spectra in snowfall: Interpretation and applications. <i>Geophysical Research Letters</i> , 2016, 43, 2225-2233.	1.5	48
75	Fingerprints of a riming event on cloud radar Doppler spectra: observations and modeling. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2997-3012.	1.9	60
76	On the unified estimation of turbulence eddy dissipation rate using Doppler cloud radars and lidars. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5972-5989.	1.2	44
77	The Midlatitude Continental Convective Clouds Experiment (MC3E). <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1667-1686.	1.7	131
78	Clouds, Aerosols, and Precipitation in the Marine Boundary Layer: An Arm Mobile Facility Deployment. <i>Bulletin of the American Meteorological Society</i> , 2016, 2016, 419-440.	1.7	0
79	Error Analysis of a Conceptual Cloud Doppler Stereoradar with Polarization Diversity for Better Understanding Space Applications. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 1298-1319.	0.5	10
80	Observations of fair-weather cumuli over land: Dynamical factors controlling cloud size and cover. <i>Geophysical Research Letters</i> , 2015, 42, 8693-8701.	1.5	43
81	Observations of the variability of shallow trade wind cumulus cloudiness and mass flux. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6161-6178.	1.2	38
82	Insights from modeling and observational evaluation of a precipitating continental cumulus event observed during the MC3E field campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1980-1995.	1.2	6
83	Improving representation of convective transport for scale-aware parameterization: 1. Convection and cloud properties simulated with spectral bin and bulk microphysics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3485-3509.	1.2	57
84	Global Precipitation Measurement Cold Season Precipitation Experiment (GCPEX): For Measurement's Sake, Let It Snow. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1719-1741.	1.7	82
85	Automated rain rate estimates using the Ka-band ARM zenith radar (KAZR). <i>Atmospheric Measurement Techniques</i> , 2015, 8, 3685-3699.	1.2	20
86	Observed relations between snowfall microphysics and triple-frequency radar measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6034-6055.	1.2	123
87	The EarthCARE Satellite: The Next Step Forward in Global Measurements of Clouds, Aerosols, Precipitation, and Radiation. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1311-1332.	1.7	443
88	Clouds, Aerosols, and Precipitation in the Marine Boundary Layer: An Arm Mobile Facility Deployment. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 419-440.	1.7	117
89	On the Challenges of Tomography Retrievals of a 2D Water Vapor Field Using Ground-Based Microwave Radiometers: An Observation System Simulation Experiment. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 116-130.	0.5	2
90	Developing and Evaluating Ice Cloud Parameterizations for Forward Modeling of Radar Moments Using in situ Aircraft Observations. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 880-903.	0.5	37

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91	Clouds, Precipitation, and Marine Boundary Layer Structure during the MAGIC Field Campaign. <i>Journal of Climate</i> , 2015, 28, 2420-2442.	1.2	83
92	The Role of Shallow Cloud Moistening in MJO and Non-MJO Convective Events over the ARM Manus Site. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 4797-4820.	0.6	24
93	Impact of Receiver Saturation on Surface Doppler Velocity Measurements From the EarthCARE Cloud Profiling Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 1205-1212.	2.7	2
94	Using Ice Clouds for Mitigating the EarthCARE Doppler Radar Mispointing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2079-2085.	2.7	13
95	Evaluation of gridded scanning ARM cloud radar reflectivity observations and vertical doppler velocity retrievals. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1089-1103.	1.2	10
96	G band atmospheric radars: new frontiers in cloud physics. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1527-1546.	1.2	45
97	Evaluation of EarthCARE Cloud Profiling Radar Doppler Velocity Measurements in Particle Sedimentation Regimes. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 366-386.	0.5	51
98	Scanning ARM Cloud Radars. Part II: Data Quality Control and Processing. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 583-598.	0.5	31
99	Stratiform and Convective Precipitation Observed by Multiple Radars during the DYNAMO/AMIE Experiment. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 2503-2523.	0.6	10
100	Scanning ARM Cloud Radars. Part I: Operational Sampling Strategies. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 569-582.	0.5	49
101	First Observations of Tracking Clouds Using Scanning ARM Cloud Radars. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 2732-2746.	0.6	18
102	Simulation of EarthCARE Spaceborne Doppler Radar Products Using Ground-Based and Airborne Data: Effects of Aliasing and Nonuniform Beam-Filling. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 1463-1479.	2.7	29
103	Turbulence in Continental Stratocumulus, Part II: Eddy Dissipation Rates and Large-Eddy Coherent Structures. <i>Boundary-Layer Meteorology</i> , 2014, 150, 361-380.	1.2	8
104	Turbulence in Continental Stratocumulus, Part I: External Forcings and Turbulence Structures. <i>Boundary-Layer Meteorology</i> , 2014, 150, 341-360.	1.2	12
105	Zenith/Nadir Pointing mm-Wave Radars: Linear or Circular Polarization?. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 628-639.	2.7	9
106	Application of Matched Statistical Filters for EarthCARE Cloud Doppler Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 7297-7316.	2.7	13
107	Vertical velocities and turbulence in midlatitude anvil cirrus: A comparison between in situ aircraft measurements and ground-based Doppler cloud radar retrievals. <i>Geophysical Research Letters</i> , 2014, 41, 7814-7821.	1.5	15
108	Climatology of High Cloud Dynamics Using Profiling ARM Doppler Radar Observations. <i>Journal of Climate</i> , 2013, 26, 6340-6359.	1.2	37

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109	Polarization Diversity for Millimeter Spaceborne Doppler Radars: An Answer for Observing Deep Convection?. Journal of Atmospheric and Oceanic Technology, 2013, 30, 2768-2787.	0.5	29
110	Separating Cloud and Drizzle Radar Moments during Precipitation Onset Using Doppler Spectra. Journal of Atmospheric and Oceanic Technology, 2013, 30, 1656-1671.	0.5	73
111	Signal Postprocessing and Reflectivity Calibration of the Atmospheric Radiation Measurement Program 915-MHz Wind Profilers. Journal of Atmospheric and Oceanic Technology, 2013, 30, 1038-1054.	0.5	25
112	Radar-radiometer retrievals of cloud number concentration and dispersion parameter in nondrizzling marine stratocumulus. Atmospheric Measurement Techniques, 2013, 6, 1817-1828.	1.2	14
113	Multiyear Summertime Observations of Daytime Fair-Weather Cumuli at the ARM Southern Great Plains Facility. Journal of Climate, 2013, 26, 10031-10050.	1.2	17
114	Disentangling Mie and attenuation effects in rain using a K _W dual-wavelength Doppler spectral ratio technique. Geophysical Research Letters, 2013, 40, 5548-5552.	1.5	34
115	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
116	On using the relationship between Doppler velocity and radar reflectivity to identify microphysical processes in midlatitudinal ice clouds. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,168.	1.2	7
117	Context, cortex, and associations: a connectionist developmental approach to verbal analogies. Frontiers in Psychology, 2013, 4, 857.	1.1	10
118	Markovian approach and its applications in a cloudy atmosphere. , 2013, , 69-107.		0
119	Characterization of Vertical Velocity and Drop Size Distribution Parameters in Widespread Precipitation at ARM Facilities. Journal of Applied Meteorology and Climatology, 2012, 51, 380-391.	0.6	34
120	Improved Micro Rain Radar snow measurements using Doppler spectra post-processing. Atmospheric Measurement Techniques, 2012, 5, 2661-2673.	1.2	135
121	Marine Boundary Layer Cloud Observations in the Azores. Journal of Climate, 2012, 25, 7381-7398.	1.2	98
122	Two distinct modes in one-day rainfall event during MC3E field campaign: Analyses of disdrometer observations and WRF-3BM simulation. Geophysical Research Letters, 2012, 39, .	1.5	28
123	Ice clouds microphysical retrieval using 94-GHz Doppler radar observations: Basic relations within the retrieval framework. Journal of Geophysical Research, 2012, 117, .	3.3	23
124	Cloud radar Doppler spectra in drizzling stratiform clouds: 1. Forward modeling and remote sensing applications. Journal of Geophysical Research, 2011, 116, .	3.3	84
125	Cloud radar Doppler spectra in drizzling stratiform clouds: 2. Observations and microphysical modeling of drizzle evolution. Journal of Geophysical Research, 2011, 116, .	3.3	39
126	Multiple scattering identification in spaceborne W-band radar measurements of deep convective cores. Journal of Geophysical Research, 2011, 116, .	3.3	26

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127	Long-Term Observations of the Convective Boundary Layer Using Insect Radar Returns at the SGP ARM Climate Research Facility. <i>Journal of Climate</i> , 2010, 23, 5699-5714.	1.2	33
128	Vertical Velocity Statistics in Fair-Weather Cumuli at the ARM TWP Nauru Climate Research Facility. <i>Journal of Climate</i> , 2010, 23, 6590-6604.	1.2	37
129	Automated Retrievals of Precipitation Parameters Using Non-Rayleigh Scattering at 95 GHz. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 1490-1503.	0.5	28
130	Detection of supercooled liquid in mixed-phase clouds using radar Doppler spectra. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	63
131	Vertical velocity structure of nonprecipitating continental boundary layer stratocumulus clouds. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
132	Cloud, thermodynamic, and precipitation observations in West Africa during 2006. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	27
133	Short-Wavelength Technology and the Potential For Distributed Networks of Small Radar Systems. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1797-1818.	1.7	220
134	On Deriving Vertical Air Motions from Cloud Radar Doppler Spectra. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 547-557.	0.5	70
135	A Technique for the Automatic Detection of Insect Clutter in Cloud Radar Returns. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 1498-1513.	0.5	47
136	Vertical Motions in Arctic Mixed-Phase Stratiform Clouds. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 1304-1322.	0.6	127
137	Impact of Dynamics and Atmospheric State on Cloud Vertical Overlap. <i>Journal of Climate</i> , 2008, 21, 1758-1770.	1.2	47
138	Boundary Layer, Cloud, and Drizzle Variability in the Southeast Pacific Stratocumulus Regime. <i>Journal of Climate</i> , 2008, 21, 6191-6214.	1.2	47
139	A Focus On Mixed-Phase Clouds. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 1549-1562.	1.7	145
140	The Atmospheric Radiation Measurement Program Cloud Profiling Radars: Second-Generation Sampling Strategies, Processing, and Cloud Data Products. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007, 24, 1199-1214.	0.5	117
141	A Supplement to Rain in Shallow Cumulus Over the Ocean: The RICO Campaign. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, S12-S18.	1.7	9
142	Rain in Shallow Cumulus Over the Ocean: The RICO Campaign. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 1912-1928.	1.7	363
143	Millimeter-Wavelength Radars: New Frontier in Atmospheric Cloud and Precipitation Research. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 1608-1624.	1.7	204
144	Cloud climatology at the Southern Great Plains and the layer structure, drizzle, and atmospheric modes of continental stratus. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40

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145	Cloud seeding as a technique for studying aerosol-cloud interactions in marine stratocumulus. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	15
146	Considerations for spaceborne 94 GHz radar observations of precipitation. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	15
147	Evaluation of ECMWF cloud type simulations at the ARM Southern Great Plains site using a new cloud type climatology. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	6
148	Lidar and Triple-Wavelength Doppler Radar Measurements of the Melting Layer: A Revised Model for Dark- and Brightband Phenomena. <i>Journal of Applied Meteorology and Climatology</i> , 2005, 44, 301-312.	1.7	38
149	The Atmospheric Radiation Measurement Program Cloud Profiling Radars: An Evaluation of Signal Processing and Sampling Strategies. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005, 22, 930-948.	0.5	47
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