Andrew Heymsfield

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9147970/publications.pdf

Version: 2024-02-01

300 papers	22,512 citations	6254 80 h-index	13379 130 g-index
331 all docs	331 docs citations	331 times ranked	8249 citing authors

#	Article	IF	Citations
1	Scientific Products From the First Radar in a CubeSat (RainCube): Deconvolution, Cross-Validation, and Retrievals. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	7
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.	3.3	18
3	Vertical Wind Tunnel Experiments and a Theoretical Study on the Microphysics of Melting Low-Density Graupel. Journals of the Atmospheric Sciences, 2022, 79, 1069-1087.	1.7	1
4	Triple-frequency radar retrieval of microphysical properties of snow. Atmospheric Measurement Techniques, 2021, 14, 7243-7254.	3.1	12
5	Linking Global Changes of Snowfall and Wet-Bulb Temperature. Journal of Climate, 2020, 33, 39-59.	3.2	21
6	High ice concentration observed in tropical maritime stratiform mixed-phase clouds with top temperatures warmer than â^'8â€Â°C. Atmospheric Research, 2020, 233, 104719.	4.1	17
7	A Wind Tunnel Investigation into the Aerodynamics of Lobed Hailstones. Atmosphere, 2020, 11, 494.	2.3	3
8	The use of gamma distributions to quantify the dependence of cloud particle size distributions in hurricanes on cloud and environmental conditions. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2116-2137.	2.7	4
9	Increased melting level height impacts surface precipitation phase and intensity. Nature Climate Change, 2020, 10, 771-776.	18.8	47
10	Combining In Situ and Satellite Observations to Understand the Vertical Structure of Tropical Anvil Cloud Microphysical Properties During the TC4 Experiment. Earth and Space Science, 2020, 7, e2020EA001147.	2.6	7
11	Arctic Ice Fog: Its Microphysics and Prediction. Springer Polar Sciences, 2020, , 361-414.	0.1	1
12	Contributions of the Liquid and Ice Phases to Global Surface Precipitation: Observations and Global Climate Modeling. Journals of the Atmospheric Sciences, 2020, 77, 2629-2648.	1.7	34
13	Impact of Massâ€“Size Parameterizations of Frozen Hydrometeors on Microphysical Retrievals: Evaluation by Matching Radar to In Situ Observations from GCPEx and OLYMPEx. Journal of Atmospheric and Oceanic Technology, 2020, 37, 993-1012.	1.3	5
14	Vertical redistribution of moisture and aerosol in orographic mixed-phase clouds. Atmospheric Chemistry and Physics, 2020, 20, 7979-8001.	4.9	0
15	Normalized Hail Particle Size Distributions from the T-28 Storm-Penetrating Aircraft. Journal of Applied Meteorology and Climatology, 2019, 58, 231-245.	1.5	12
16	The Microphysics of Stratiform Precipitation During OLYMPEX: Compatibility Between Tripleâ€Frequency Radar and Airborne In Situ Observations. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8764-8792.	3.3	46
17	The Fall Speed Variability of Similarly Sized Ice Particle Aggregates. Journal of Applied Meteorology and Climatology, 2019, 58, 1751-1761.	1.5	8
18	Evolution of DARDAR-CLOUD ice cloud retrievals: new parameters and impacts on the retrieved microphysical properties. Atmospheric Measurement Techniques, 2019, 12, 2819-2835.	3.1	31

#	Article	IF	Citations
19	Comparisons of Electromagnetic Scattering Properties of Real Hailstones and Spheroids. Journal of Applied Meteorology and Climatology, 2019, 58, 93-112.	1.5	12
20	Nonparametric Methodology to Estimate Precipitating Ice from Multiple-Frequency Radar Reflectivity Observations. Journal of Applied Meteorology and Climatology, 2018, 57, 2605-2622.	1.5	19
21	Ice cloud microphysical trends observed by the Atmospheric Infrared Sounder. Atmospheric Chemistry and Physics, 2018, 18, 10715-10739.	4.9	12
22	A Comprehensive Observational Study of Graupel and Hail Terminal Velocity, Mass Flux, and Kinetic Energy. Journals of the Atmospheric Sciences, 2018, 75, 3861-3885.	1.7	44
23	Toward Improving Ice Water Content and Snow-Rate Retrievals from Radars. Part II: Results from Three Wavelength Radarâ€"Collocated In Situ Measurements and CloudSatâ€"GPMâ€"TRMM Radar Data. Journal of Applied Meteorology and Climatology, 2018, 57, 365-389.	1.5	29
24	On the freezing time of supercooled drops in developing convective clouds over tropical ocean. Atmospheric Research, 2018, 211, 30-37.	4.1	10
25	Determination of the Ice Particle Size Distributions Using Observations as the Integrated Constraints. Journals of the Atmospheric Sciences, 2018, 75, 787-804.	1.7	2
26	Dependence of the Ice Water Content and Snowfall Rate on Temperature, Globally: Comparison of in Situ Observations, Satellite Active Remote Sensing Retrievals, and Global Climate Model Simulations. Journal of Applied Meteorology and Climatology, 2017, 56, 189-215.	1.5	25
27	Saharan dust, convective lofting, aerosol enhancement zones, and potential impacts on ice nucleation in the tropical upper troposphere. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8833-8851.	3.3	16
28	Empirical Relations between Size Parameters of Ice Hydrometeor Populations and Radar Reflectivity. Journal of Applied Meteorology and Climatology, 2017, 56, 2479-2488.	1.5	20
29	Cirrus Clouds. Meteorological Monographs, 2017, 58, 2.1-2.26.	5.0	94
30	Modeling of Aircraft Measurements of Ice Crystal Concentration in the Arctic and a Parameterization for Mixed-Phase Cloud. Journals of the Atmospheric Sciences, 2017, 74, 3799-3814.	1.7	5
31	Processing of Ice Cloud In Situ Data Collected by Bulk Water, Scattering, and Imaging Probes: Fundamentals, Uncertainties, and Efforts toward Consistency. Meteorological Monographs, 2017, 58, 11.1-11.33.	5.0	56
32	Idealized Simulations of a Squall Line from the MC3E Field Campaign Applying Three Bin Microphysics Schemes: Dynamic and Thermodynamic Structure. Monthly Weather Review, 2017, 145, 4789-4812.	1.4	55
33	Ice-Phase Precipitation. Meteorological Monographs, 2017, 58, 6.1-6.36.	5.0	34
34	On the Life Cycle of Individual Contrails and Contrail Cirrus. Meteorological Monographs, 2017, 58, 3.1-3.24.	5.0	48
35	Properties of individual contrails: a compilation of observations and some comparisons. Atmospheric Chemistry and Physics, 2017, 17, 403-438.	4.9	45
36	Background and Overview. Meteorological Monographs, 2017, 58, v-ix.	5.0	10

#	Article	IF	Citations
37	Ice Fog: The Current State of Knowledge and Future Challenges. Meteorological Monographs, 2017, 58, 4.1-4.24.	5.0	27
38	Toward Improving Ice Water Content and Snow-Rate Retrievals from Radars. Part I: X and W Bands, Emphasizing CloudSat. Journal of Applied Meteorology and Climatology, 2016, 55, 2063-2090.	1.5	27
39	Liquidâ€“Ice Mass Partition in Tropical Maritime Convective Clouds. Journals of the Atmospheric Sciences, 2016, 73, 4959-4978.	1.7	17
40	A global view of atmospheric ice particle complexity. Geophysical Research Letters, 2016, 43, 11,913.	4.0	10
41	Investigation of liquid cloud microphysical properties of deep convective systems: 1. Parameterization raindrop size distribution and its application for stratiform rain estimation. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,739.	3.3	18
42	The Microphysical Properties of Small Ice Particles Measured by the Small Ice Detector-3 Probe during the MACPEX Field Campaign. Journals of the Atmospheric Sciences, 2016, 73, 4775-4791.	1.7	8
43	Characteristics of vertical air motion in isolated convective clouds. Atmospheric Chemistry and Physics, 2016, 16, 10159-10173.	4.9	17
44	Cloud chamber experiments on the origin of ice crystal complexity in cirrus clouds. Atmospheric Chemistry and Physics, 2016, 16, 5091-5110.	4.9	56
45	In Situ Balloon-Borne Ice Particle Imaging in High-Latitude Cirrus. Pure and Applied Geophysics, 2016, 173, 3065-3084.	1.9	9
46	Introduction Ice Fog, Ice Clouds, and Remote Sensing. Pure and Applied Geophysics, 2016, 173, 2977-2982.	1.9	11
47	Size Distributions of Hydrometeors: Analysis with the Maximum Entropy Principle. Journals of the Atmospheric Sciences, 2016, 73, 95-108.	1.7	10
48	The Microwave Radiative Properties of Falling Snow Derived from Nonspherical Ice Particle Models. Part I: An Extensive Database of Simulated Pristine Crystals and Aggregate Particles, and Their Scattering Properties. Journal of Applied Meteorology and Climatology, 2016, 55, 691-708.	1.5	84
49	Trigonal Ice Crystals in Earthâ€™s Atmosphere. Bulletin of the American Meteorological Society, 2015, 96, 1519-1531.	3.3	39
50	Importance of snow to global precipitation. Geophysical Research Letters, 2015, 42, 9512-9520.	4.0	123
51	Observations of Ice Microphysics through the Melting Layer. Journals of the Atmospheric Sciences, 2015, 72, 2902-2928.	1.7	43
52	Microphysical Constraints on Millimeter-Wavelength Scattering Properties of Snow Particles. Journal of Applied Meteorology and Climatology, 2015, 54, 909-931.	1.5	37
53	Microphysics of Aerodynamic Contrail Formation Processes. Journals of the Atmospheric Sciences, 2015, 72, 3293-3308.	1.7	8
54	Observational quantification of the separation of simple and complex atmospheric ice particles. Geophysical Research Letters, 2014, 41, 1301-1307.	4.0	38

#	Article	IF	Citations
55	Estimating snow microphysical properties using collocated multisensor observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 8941-8961.	3.3	87
56	Hemispheric comparison of cirrus cloud evolution using in situ measurements in HIAPER Pole-to-Pole Observations. Geophysical Research Letters, 2014, 41, 4090-4099.	4.0	13
57	Normalized particle size distribution for remote sensing application. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4204-4227.	3.3	57
58	Cloud Conditions Favoring Secondary Ice Particle Production in Tropical Maritime Convection. Journals of the Atmospheric Sciences, 2014, 71, 4500-4526.	1.7	73
59	Ice Concentration Retrieval in Stratiform Mixed-Phase Clouds Using Cloud Radar Reflectivity Measurements and 1D Ice Growth Model Simulations. Journals of the Atmospheric Sciences, 2014, 71, 3613-3635.	1.7	22
60	Relationships between Ice Water Content and Volume Extinction Coefficient from In Situ Observations for Temperatures from 0Â° to â^'86Â°C: Implications for Spaceborne Lidar Retrievals. Journal of Applied Meteorology and Climatology, 2014, 53, 479-505.	1.5	61
61	Difficulties in Early Ice Detection with the Small Ice Detector-2 HIAPER (SID-2H) in Maritime Cumuli. Journal of Atmospheric and Oceanic Technology, 2014, 31, 1263-1275.	1.3	17
62	Understanding the Relationships between Lightning, Cloud Microphysics, and Airborne Radar-Derived Storm Structure during Hurricane Karl (2010). Monthly Weather Review, 2014, 142, 590-605.	1.4	32
63	Numerical Modeling of Ice Fog in Interior Alaska Using the Weather Research and Forecasting Model. Pure and Applied Geophysics, 2014, 171, 1963-1982.	1.9	17
64	Bayesian upscaling of aircraft ice measurements to two-dimensional domains for large-scale applications. Meteorology and Atmospheric Physics, 2014, 123, 93-103.	2.0	4
65	Ice cloud single-scattering property models with the full phase matrix at wavelengths from 0.2 to 100Âµm. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 146, 123-139.	2.3	126
66	Graupel and Hail Terminal Velocities: Does a â€œSupercriticalâ€•Reynolds Number Apply?. Journals of the Atmospheric Sciences, 2014, 71, 3392-3403.	1.7	40
67	Ice Fog in Arctic During FRAMâ€“Ice Fog Project: Aviation and Nowcasting Applications. Bulletin of the American Meteorological Society, 2014, 95, 211-226.	3.3	64
68	Terminal velocities and kinetic energies of natural hailstones. Geophysical Research Letters, 2014, 41, 8666-8672.	4.0	41
69	Comparison of ice cloud properties simulated by the Community Atmosphere Model (CAM5) with in-situ observations. Atmospheric Chemistry and Physics, 2014, 14, 10103-10118.	4.9	29
70	Cloud-scale ice-supersaturated regions spatially correlate with high water vapor heterogeneities. Atmospheric Chemistry and Physics, 2014, 14, 2639-2656.	4.9	23
71	Ice Cloud Particle Size Distributions and Pressure-Dependent Terminal Velocities from In Situ Observations at Temperatures from 0Â° to â^'86Â°C. Journals of the Atmospheric Sciences, 2013, 70, 4123-4154.	1.7	171
72	Influence of Ice Particle Surface Roughening on the Global Cloud Radiative Effect. Journals of the Atmospheric Sciences, 2013, 70, 2794-2807.	1.7	72

#	Article	IF	Citations
73	Evaluation of a Perpendicular Inlet for Airborne Sampling of Interstitial Submicron Black-Carbon Aerosol. Aerosol Science and Technology, 2013, 47, 1066-1072.	3.1	11
74	A Bayesian Approach to Upscaling and Downscaling of Aircraft Measurements of Ice Particle Counts and Size Distributions. Journal of Applied Meteorology and Climatology, 2013, 52, 2075-2088.	1.5	4
75	NASA's Genesis and Rapid Intensification Processes (GRIP) Field Experiment. Bulletin of the American Meteorological Society, 2013, 94, 345-363.	3.3	96
76	Reply to â€œComments on â€˜Aircraft-Induced Hole-Punch and Canal Clouds: Inadvertent Cloud Seedingâ€™â€. Bulletin of the American Meteorological Society, 2013, 94, 1408-1409.	3.3	1
77	Evolution of ice crystal regions on the microscale based on in situ observations. Geophysical Research Letters, 2013, 40, 3473-3478.	4.0	23
78	The microphysical properties of ice fog measured in urban environments of Interior Alaska. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,136.	3.3	16
79	Ice Crystal Concentration in Midlatitude Cirrus Clouds: In Situ Measurements with the Balloonborne Hydrometeor Videosonde (HYVIS). Journal of the Meteorological Society of Japan, 2013, 91, 143-161.	1.8	7
80	Ice hydrometeor profile retrieval algorithm for high-frequency microwave radiometers: application to the CoSSIR instrument during TC4. Atmospheric Measurement Techniques, 2012, 5, 2277-2306.	3.1	48
81	Radar Scattering from Ice Aggregates Using the Horizontally Aligned Oblate Spheroid Approximation. Journal of Applied Meteorology and Climatology, 2012, 51, 655-671.	1.5	124
82	The Pre-Depression Investigation of Cloud-Systems in the Tropics (PREDICT) Experiment: Scientific Basis, New Analysis Tools, and Some First Results. Bulletin of the American Meteorological Society, 2012, 93, 153-172.	3.3	139
83	Ice in Clouds Experimentâ€“Layer Clouds. Part II: Testing Characteristics of Heterogeneous Ice Formation in Lee Wave Clouds. Journals of the Atmospheric Sciences, 2012, 69, 1066-1079.	1.7	61
84	Cloud ice water content retrieved from the CALIOP spaceâ€based lidar. Geophysical Research Letters, 2012, 39, .	4.0	36
85	Quantifying the impact of dust on heterogeneous ice generation in midlevel supercooled stratiform clouds. Geophysical Research Letters, 2012, 39, .	4.0	33
86	Numerical analysis using WRFâ€SBM for the cloud microphysical structures in the C3VP field campaign: Impacts of supercooled droplets and resultant riming on snow microphysics. Journal of Geophysical Research, 2012, 117, .	3.3	43
87	Factors influencing ice formation and growth in simulations of a mixedâ€phase wave cloud. Journal of Advances in Modeling Earth Systems, 2012, 4, .	3.8	9
88	Simulations of Infrared Radiances over a Deep Convective Cloud System Observed during TC4: Potential for Enhancing Nocturnal Ice Cloud Retrievals. Remote Sensing, 2012, 4, 3022-3054.	4.0	8
89	Formation and Spread of Aircraft-Induced Holes in Clouds. Science, 2011, 333, 77-81.	12.6	40
90	Flight-based chemical characterization of biomass burning aerosols within two prescribed burn smoke plumes. Atmospheric Chemistry and Physics, 2011, 11, 12549-12565.	4.9	154

#	Article	IF	Citations
91	Using in situ estimates of ice water content, volume extinction coefficient, and the total solar optical depth obtained during the tropical ACTIVE campaign to test an ensemble model of cirrus ice crystals. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 199-218.	2.7	25
92	Snow microphysical observations in shallow mixedâ€phase and deep frontal Arctic cloud systems. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 1589-1601.	2.7	10
93	Ice Crystals Growing from Vapor in Supercooled Clouds between â˜'2.5Â° and â˜'22Â°C: Testing Current Parameterization Methods Using Laboratory Data. Journals of the Atmospheric Sciences, 2011, 68, 2416-2429.	1.7	26
94	Ice in Clouds Experimentâ€"Layer Clouds. Part I: Ice Growth Rates Derived from Lenticular Wave Cloud Penetrations. Journals of the Atmospheric Sciences, 2011, 68, 2628-2654.	1.7	29
95	Improvements in Shortwave Bulk Scattering and Absorption Models for the Remote Sensing of Ice Clouds. Journal of Applied Meteorology and Climatology, 2011, 50, 1037-1056.	1.5	175
96	Vertical Structures of Anvil Clouds of Tropical Mesoscale Convective Systems Observed by CloudSat. Journals of the Atmospheric Sciences, 2011, 68, 1653-1674.	1.7	60
97	The Next Generation of Ice Cloud Bulk Scattering/Absorption Models at Visible through Infrared Wavelengths. , 2011, , .		1
98	Contrail Microphysics. Bulletin of the American Meteorological Society, 2010, 91, 465-472.	3.3	62
99	Aircraft-Induced Hole Punch and Canal Clouds. Bulletin of the American Meteorological Society, 2010, 91, 753-766.	3.3	30
100	A Study of Cirrus Ice Particle Size Distribution Using TC4 Observations. Journals of the Atmospheric Sciences, 2010, 67, 195-216.	1.7	39
101	In Situ Chemical Characterization of Aged Biomass-Burning Aerosols Impacting Cold Wave Clouds. Journals of the Atmospheric Sciences, 2010, 67, 2451-2468.	1.7	48
102	Characteristics of Deep Tropical and Subtropical Convection from Nadir-Viewing High-Altitude Airborne Doppler Radar. Journals of the Atmospheric Sciences, 2010, 67, 285-308.	1.7	157
103	Relationships of Biomass-Burning Aerosols to Ice in Orographic Wave Clouds. Journals of the Atmospheric Sciences, 2010, 67, 2437-2450.	1.7	54
104	Improved Representation of Ice Particle Masses Based on Observations in Natural Clouds. Journals of the Atmospheric Sciences, 2010, 67, 3303-3318.	1.7	128
105	Advances in the Estimation of Ice Particle Fall Speeds Using Laboratory and Field Measurements. Journals of the Atmospheric Sciences, 2010, 67, 2469-2482.	1.7	183
106	Evidence of nitric acid uptake in warm cirrus anvil clouds during the NASA TC4 campaign. Journal of Geophysical Research, 2010, 115, .	3.3	16
107	Comparison of GOESâ€retrieved and in situ measurements of deep convective anvil cloud microphysical properties during the Tropical Composition, Cloud and Climate Coupling Experiment (TC⁴). Journal of Geophysical Research, 2010, 115, .	3.3	5
108	Observation of playa salts as nuclei in orographic wave clouds. Journal of Geophysical Research, 2010, 115, .	3.3	55

#	Article	IF	Citations
109	The Dimensional Characteristics of Ice Crystal Aggregates from Fractal Geometry. Journals of the Atmospheric Sciences, 2010, 67, 1605-1616.	1.7	103
110	Microphysics of Maritime Tropical Convective Updrafts at Temperatures from â˜'20Â° to â˜'60Â°. Journals of the Atmospheric Sciences, 2009, 66, 3530-3562.	1.7	88
111	Assessment of Cloudsat Reflectivity Measurements and Ice Cloud Properties Using Ground-Based and Airborne Cloud Radar Observations. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1717-1741.	1.3	110
112	Parameterization of Shortwave and Longwave Radiative Properties of Ice Clouds for Use in Climate Models. Journal of Climate, 2009, 22, 6287-6312.	3.2	40
113	The Size Distribution and Mass-Weighted Terminal Velocity of Low-Latitude Tropopause Cirrus Crystal Populations. Journals of the Atmospheric Sciences, 2009, 66, 2013-2028.	1.7	40
114	In situ detection of biological particles in cloud ice-crystals. Nature Geoscience, 2009, 2, 398-401.	12.9	406
115	Comparisons of global cloud ice from MLS, CloudSat, and correlative data sets. Journal of Geophysical Research, 2009, 114, .	3.3	99
116	Retrieval of ice cloud microphysical parameters using the CloudSat millimeterâ€wave radar and temperature. Journal of Geophysical Research, 2009, 114, .	3.3	268
117	Scattering database in the millimeter and submillimeter wave range of 100â€“1000 GHz for nonspherical ice particles. Journal of Geophysical Research, 2009, 114, .	3.3	41
118	The Saharan Air Layer and the Fate of African Easterly Wavesâ€”NASA's AMMA Field Study of Tropical Cyclogenesis. Bulletin of the American Meteorological Society, 2009, 90, 1137-1156.	3.3	119
119	Saharan dust particles nucleate droplets in eastern Atlantic clouds. Geophysical Research Letters, 2009, 36, .	4.0	174
120	Evidence for ice particles in the tropical stratosphere from in-situ measurements. Atmospheric Chemistry and Physics, 2009, 9, 6775-6792.	4.9	100
121	A statistical analysis of the influence of deep convection on water vapor variability in the tropical upper troposphere. Atmospheric Chemistry and Physics, 2009, 9, 5847-5864.	4.9	10
122	On the importance of small ice crystals in tropical anvil cirrus. Atmospheric Chemistry and Physics, 2009, 9, 5519-5537.	4.9	151
123	The 94â€GHz radar dim band: Relevance to ice cloud properties and CloudSat. Geophysical Research Letters, 2008, 35, .	4.0	15
124	Nonspherical and spherical characterization of ice in Hurricane Erin for wideband passive microwave comparisons. Journal of Geophysical Research, 2008, 113, .	3.3	14
125	Estimating ice content and extinction in precipitating cloud systems from CloudSat radar measurements. Journal of Geophysical Research, 2008, 113, .	3.3	33
126	Possible linkages between Saharan dust and tropical cyclone rain band invigoration in the eastern Atlantic during NAMMAâ€06. Geophysical Research Letters, 2008, 35, .	4.0	63

#	Article	IF	Citations
127	Relationship between ice water content and equivalent radar reflectivity for clouds consisting of nonspherical ice particles. Journal of Geophysical Research, 2008, 113, .	3.3	14
128	Testing IWC Retrieval Methods Using Radar and Ancillary Measurements with In Situ Data. Journal of Applied Meteorology and Climatology, 2008, 47, 135-163.	1.5	91
129	Exponential Size Distributions for Snow. Journals of the Atmospheric Sciences, 2008, 65, 4017-4031.	1.7	43
130	The Mixed-Phase Arctic Cloud Experiment. Bulletin of the American Meteorological Society, 2007, 88, 205-222.	3.3	283
131	The Characterization of Ice Cloud Properties from Doppler Radar Measurements. Journal of Applied Meteorology and Climatology, 2007, 46, 1682-1698.	1.5	54
132	Refinements to Ice Particle Mass Dimensional and Terminal Velocity Relationships for Ice Clouds. Part I: Temperature Dependence. Journals of the Atmospheric Sciences, 2007, 64, 1047-1067.	1.7	75
133	Bulk Scattering Properties for the Remote Sensing of Ice Clouds. Part III: High-Resolution Spectral Models from 100 to 3250 cmâ^'1. Journal of Applied Meteorology and Climatology, 2007, 46, 423-434.	1.5	59
134	Evaluation of Ice Water Content Retrievals from Cloud Radar Reflectivity and Temperature Using a Large Airborne In Situ Microphysical Database. Journal of Applied Meteorology and Climatology, 2007, 46, 557-572.	1.5	69
135	On the Occurrence of Hollow Bullet Rosetteâ€“ and Column-Shaped Ice Crystals in Midlatitude Cirrus. Journals of the Atmospheric Sciences, 2007, 64, 4514-4519.	1.7	29
136	Snow Size Distribution Parameterization for Midlatitude and Tropical Ice Clouds. Journals of the Atmospheric Sciences, 2007, 64, 4346-4365.	1.7	162
137	Refinements to Ice Particle Mass Dimensional and Terminal Velocity Relationships for Ice Clouds. Part II: Evaluation and Parameterizations of Ensemble Ice Particle Sedimentation Velocities. Journals of the Atmospheric Sciences, 2007, 64, 1068-1088.	1.7	41
138	Evaluating lidar-radar microphysics retrieval using in situ measurements. Journal of Geophysical Research, 2007, 112, .	3.3	5
139	Aerosol indirect effects as a function of cloud top pressure. Journal of Geophysical Research, 2007, 112, .	3.3	16
140	Examinations of ice formation processes in Florida cumuli using ice nuclei measurements of anvil ice crystal particle residues. Journal of Geophysical Research, 2007, 112, .	3.3	34
141	Cirrus optical properties observed with lidar, radiosonde, and satellite over the tropical Indian Ocean during the aerosolâ€polluted northeast and clean maritime southwest monsoon. Journal of Geophysical Research, 2007, 112, .	3.3	64
142	On measurements of small ice particles in clouds. Geophysical Research Letters, 2007, 34, .	4.0	111
143	Ice properties of singleâ€layer stratocumulus during the Mixedâ€Phase Arctic Cloud Experiment: 1. Observations. Journal of Geophysical Research, 2007, 112, .	3.3	204
144	Ice properties of singleâ€layer stratocumulus during the Mixedâ€Phase Arctic Cloud Experiment: 2. Model results. Journal of Geophysical Research, 2007, 112, .	3.3	165

#	Article	IF	Citations
145	A concept for a satellite mission to measure cloud ice water path, ice particle size, and cloud altitude. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 109-128.	2.7	100
146	The Asymmetry Parameter of Cirrus Clouds Composed of Hollow Bullet Rosetteâ€“Shaped Ice Crystals from Ray-Tracing Calculations. Journal of Applied Meteorology and Climatology, 2006, 45, 973-981.	1.5	21
147	Some ice nucleation characteristics of Asian and Saharan desert dust. Atmospheric Chemistry and Physics, 2006, 6, 2991-3006.	4.9	177
148	Efficiency of the deposition mode ice nucleation on mineral dust particles. Atmospheric Chemistry and Physics, 2006, 6, 3007-3021.	4.9	328
149	A Test of Ice Self-Collection Kernels Using Aircraft Data. Journals of the Atmospheric Sciences, 2006, 63, 651-666.	1.7	43
150	Effective Radius of Ice Cloud Particle Populations Derived from Aircraft Probes. Journal of Atmospheric and Oceanic Technology, 2006, 23, 361-380.	1.3	42
151	Ice Microphysics Observations in Hurricane Humberto: Comparison with Non-Hurricane-Generated Ice Cloud Layers. Journals of the Atmospheric Sciences, 2006, 63, 288-308.	1.7	32
152	Shattering and Particle Interarrival Times Measured by Optical Array Probes in Ice Clouds. Journal of Atmospheric and Oceanic Technology, 2006, 23, 1357-1371.	1.3	310
153	The observation of nitric acid-containing particles in the tropical lower stratosphere. Atmospheric Chemistry and Physics, 2006, 6, 601-611.	4.9	30
154	Modelling the influence of rimer surface temperature on the glaciation of intense thunderstorms: The rimeâ€“splinter mechanism of ice multiplication. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 3059-3077.	2.7	8
155	Refinements in the Treatment of Ice Particle Terminal Velocities, Highlighting Aggregates. Journals of the Atmospheric Sciences, 2005, 62, 1637-1644.	1.7	196
156	Ice supersaturations exceeding 100% at the cold tropical tropopause: implications for cirrus formation and dehydration. Atmospheric Chemistry and Physics, 2005, 5, 851-862.	4.9	112
157	Evolution of a Florida Cirrus Anvil. Journals of the Atmospheric Sciences, 2005, 62, 2352-2372.	1.7	82
158	Homogeneous Ice Nucleation in Subtropical and Tropical Convection and Its Influence on Cirrus Anvil Microphysics. Journals of the Atmospheric Sciences, 2005, 62, 41-64.	1.7	103
159	Bulk Scattering Properties for the Remote Sensing of Ice Clouds. Part I: Microphysical Data and Models. Journal of Applied Meteorology and Climatology, 2005, 44, 1885-1895.	1.7	220
160	Bulk Scattering Properties for the Remote Sensing of Ice Clouds. Part II: Narrowband Models. Journal of Applied Meteorology and Climatology, 2005, 44, 1896-1911.	1.7	216
161	Improved Radar Ice Water Content Retrieval Algorithms Using Coincident Microphysical and Radar Measurements. Journal of Applied Meteorology and Climatology, 2005, 44, 1391-1412.	1.7	48
162	Production of Ice in Tropospheric Clouds: A Review. Bulletin of the American Meteorological Society, 2005, 86, 795-808.	3.3	361

#	Article	IF	Citations
163	Total Surface Area Estimates for Individual Ice Particles and Particle Populations. Journal of Applied Meteorology and Climatology, 2005, 44, 467-474.	1.7	13
164	Impact of cirrus crystal shape on solar spectral irradiance: A case study for subtropical cirrus. Journal of Geophysical Research, 2005, 110, .	3.3	60
165	Statistical properties of the normalized ice particle size distribution. Journal of Geophysical Research, 2005, 110, .	3.3	85
166	Extinction-ice water content-effective radius algorithms for CALIPSO. Geophysical Research Letters, 2005, 32, .	4.0	64
167	Dual-frequency radar ratio of nonspherical atmospheric hydrometeors. Geophysical Research Letters, 2005, 32, .	4.0	85
168	Retrieving optically thick ice cloud microphysical properties by using airborne dual-wavelength radar measurements. Journal of Geophysical Research, 2005, 110, .	3.3	32
169	Development of Ice Cloud Microphysical and Optical Models at Visible to Far-Infrared Wavelengths. , 2005, , .		1
170	Theory of growth by differential sedimentation, with application to snowflake formation. Physical Review E, 2004, 70, 021403.	2.1	73
171	Evidence for the Predominance of Mid-Tropospheric Aerosols as Subtropical Anvil Cloud Nuclei. Science, 2004, 304, 718-722.	12.6	112
172	Evidence That Nitric Acid Increases Relative Humidity in Low-Temperature Cirrus Clouds. Science, 2004, 303, 516-520.	12.6	110
173	Effective ice particle densities for cold anvil cirrus. Geophysical Research Letters, 2004, 31, .	4.0	20
174	Measurements of ice water content in tropopause region Arctic cirrus during the SAGE III Ozone Loss and Validation Experiment (SOLVE). Journal of Geophysical Research, 2004, 109, .	3.3	21
175	Universality in snowflake aggregation. Geophysical Research Letters, 2004, 31, .	4.0	74
176	Convective generation of cirrus near the tropopause. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	46
177	Geometrical-optics solution to light scattering by droxtal ice crystals. Applied Optics, 2004, 43, 2490.	2.1	69
178	Microphysical Characteristics of Tropical Updrafts in Clean Conditions. Journal of Applied Meteorology and Climatology, 2004, 43, 779-794.	1.7	60
179	Effective Ice Particle Densities Derived from Aircraft Data. Journals of the Atmospheric Sciences, 2004, 61, 982-1003.	1.7	171
180	<title>Ice cloud microphysical property retrieval using airborne two-frequency radars</title>. , 2004, , .		2

#	Article	IF	Citations
181	TRMM Common Microphysics Products: A Tool for Evaluating Spaceborne Precipitation Retrieval Algorithms. Journal of Applied Meteorology and Climatology, 2004, 43, 1598-1618.	1.7	20
182	Single-scattering properties of droxtals. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 79-80, 1159-1169.	2.3	115
183	The spectral signature of mixed-phase clouds composed of non-spherical ice crystals and spherical liquid droplets in the terrestrial window region. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 79-80, 1171-1188.	2.3	30
184	Aircraft icing at low temperatures in Tropical Storm Chantal (2001). Geophysical Research Letters, 2003, 30, .	4.0	6
185	Water Isotope Ratios D/H, 18O/16O, 17O/16O in and out of Clouds Map Dehydration Pathways. Science, 2003, 302, 1742-1745.	12.6	182
186	Properties of Tropical and Midlatitude Ice Cloud Particle Ensembles. Part I: Median Mass Diameters and Terminal Velocities. Journals of the Atmospheric Sciences, 2003, 60, 2573-2591.	1.7	68
187	Ice Water Pathâ€“Optical Depth Relationships for Cirrus and Deep Stratiform Ice Cloud Layers. Journal of Applied Meteorology and Climatology, 2003, 42, 1369-1390.	1.7	73
188	Ice Cloud Optical Thickness and Extinction Estimates from Radar Measurements. Journal of Applied Meteorology and Climatology, 2003, 42, 1584-1597.	1.7	29
189	Properties of Tropical and Midlatitude Ice Cloud Particle Ensembles. Part II: Applications for Mesoscale and Climate Models. Journals of the Atmospheric Sciences, 2003, 60, 2592-2611.	1.7	79
190	Parameterizations for the Cross-Sectional Area and Extinction of Cirrus and Stratiform Ice Cloud Particles. Journals of the Atmospheric Sciences, 2003, 60, 936-956.	1.7	116
191	Aggregation and Scaling of Ice Crystal Size Distributions. Journals of the Atmospheric Sciences, 2003, 60, 544-560.	1.7	87
192	Microphysical Observations of Tropical Clouds. Journal of Applied Meteorology and Climatology, 2002, 41, 97-117.	1.7	98
193	The Development of Midlatitude Cirrus Models for MODIS Using FIRE-I, FIRE-II, and ARM In Situ Data. Journal of Applied Meteorology and Climatology, 2002, 41, 197-217.	1.7	34
194	A General Approach for Deriving the Properties of Cirrus and Stratiform Ice Cloud Particles. Journals of the Atmospheric Sciences, 2002, 59, 3-29.	1.7	178
195	Observations and Parameterizations of Particle Size Distributions in Deep Tropical Cirrus and Stratiform Precipitating Clouds: Results from In Situ Observations in TRMM Field Campaigns. Journals of the Atmospheric Sciences, 2002, 59, 3457-3491.	1.7	277
196	Profiling Cloud Ice Mass and Particle Characteristic Size from Doppler Radar Measurements. Journal of Atmospheric and Oceanic Technology, 2002, 19, 1003-1018.	1.3	78
197	Submillimeter-Wave Cloud Ice Radiometer: Simulations of retrieval algorithm performance. Journal of Geophysical Research, 2002, 107, AAC 2-1.	3.3	82
198	Longwave radiative forcing of Indian Ocean tropospheric aerosol. Journal of Geophysical Research, 2002, 107, INX2 3-1.	3.3	58

#	Article	IF	Citations
199	Effects of observed horizontal inhomogeneities within cirrus clouds on solar radiative transfer. Journal of Geophysical Research, 2002, 107, AAC 9-1.	3.3	9
200	On retrieving the microphysical properties of cirrus clouds using the moments of the millimeter-wavelength Doppler spectrum. Journal of Geophysical Research, 2002, 107, AAC 22-1.	3.3	81
201	Mid-latitude and Tropical Cirrus: Microphysical Properties. , 2002, , .		42
202	LIRAD Observations of Tropical Cirrus Clouds in MCTEX. Part II: Optical Properties and Base Cooling in Dissipating Storm Anvil Clouds*. Journals of the Atmospheric Sciences, 2002, 59, 3163-3177.	1.7	7
203	Indian Ocean Experiment: An integrated analysis of the climate forcing and effects of the great Indo-Asian haze. Journal of Geophysical Research, 2001, 106, 28371-28398.	3.3	1,199
204	Sensitivity of cirrus bidirectional reflectance to vertical inhomogeneity of ice crystal habits and size distributions for two Moderate-Resolution Imaging Spectroradiometer (MODIS) bands. Journal of Geophysical Research, 2001, 106, 17267-17291.	3.3	60
205	Microphysics of INDOEX clean and polluted trade cumulus clouds. Journal of Geophysical Research, 2001, 106, 28653-28673.	3.3	99
206	Parameterizations of INDOEX microphysical measurements and calculations of cloud susceptibility: Applications for climate studies. Journal of Geophysical Research, 2001, 106, 28675-28698.	3.3	66
207	Characterization and Correction of Relative Humidity Measurements from Vaisala RS80-A Radiosondes at Cold Temperatures. Journal of Atmospheric and Oceanic Technology, 2001, 18, 135-156.	1.3	173
208	The microphysical properties of tropical convective anvil cirrus: A comparison of models and observations. Quarterly Journal of the Royal Meteorological Society, 2001, 127, 1535-1550.	2.7	24
209	Cirrus Crystal Terminal Velocities. Journals of the Atmospheric Sciences, 2000, 57, 916-938.	1.7	206
210	Thin and Subvisual Tropopause Tropical Cirrus: Observations and Radiative Impacts. Journals of the Atmospheric Sciences, 2000, 57, 1841-1853.	1.7	227
211	Use of Doppler radar to assess ice cloud particle fall velocity-size relations for remote sensing and climate studies. Journal of Geophysical Research, 2000, 105, 22427-22436.	3.3	27
212	Reduction of Tropical Cloudiness by Soot. Science, 2000, 288, 1042-1047.	12.6	1,125
213	Use of observed ice crystal sizes and shapes to calculate mean-scattering properties and multispectral radiances: CEPEX April 4, 1993, case study. Journal of Geophysical Research, 1999, 104, 31763-31779.	3.3	61
214	Measurements of wave-cloud microphysical properties with two new aircraft probes. Geophysical Research Letters, 1998, 25, 1117-1120.	4.0	21
215	The role of heterogeneous freezing nucleation in upper tropospheric clouds: Inferences from SUCCESS. Geophysical Research Letters, 1998, 25, 1387-1390.	4.0	89
216	Environmental conditions required for contrail formation and persistence. Journal of Geophysical Research, 1998, 103, 3929-3936.	3.3	65

#	Article	IF	Citations
217	Cloud properties leading to highly reflective tropical cirrus: Interpretations from CEPEX, TOGA COARE, and Kwajalein, Marshall Islands. Journal of Geophysical Research, 1998, 103, 8805-8812.	3.3	23
218	Growth of ice crystals in a precipitating contrail. Geophysical Research Letters, 1998, 25, 1335-1338.	4.0	64
219	Shapes, sizes and light scattering properties of ice crystals in cirrus and a persistent contrail during SUCCESS. Geophysical Research Letters, 1998, 25, 1331-1334.	4.0	67
220	Upper-tropospheric relative humidity observations and implications for cirrus ice nucleation. Geophysical Research Letters, 1998, 25, 1343-1346.	4.0	103
221	Cloud Particle Measurements in Thunderstorm Anvils and Possible Weather Threat to Aviation. Journal of Aircraft, 1998, 35, 113-121.	2.4	84
222	Dynamical Influences on Cirrus Cloud Formation Process. Journals of the Atmospheric Sciences, 1998, 55, 1940-1949.	1.7	14
223	Small Ice Crystals in Cirrus Clouds: A Model Study and Comparison with In Situ Observations. Journals of the Atmospheric Sciences, 1998, 55, 1928-1939.	1.7	22
224	Comparisons of Ice Cloud Parameters Obtained by Combined Remote Sensor Retrievals and Direct Methods. Journal of Atmospheric and Oceanic Technology, 1998, 15, 184-196.	1.3	15
225	Modeling of Submillimeter Passive Remote Sensing of Cirrus Clouds. Journal of Applied Meteorology and Climatology, 1998, 37, 184-205.	1.7	103
226	The Definition and Significance of an Effective Radius for Ice Clouds. Journals of the Atmospheric Sciences, 1998, 55, 2039-2052.	1.7	123
227	A Balloon-Borne Continuous Cloud Particle Replicator for Measuring Vertical Profiles of Cloud Microphysical Properties: Instrument Design, Performance, and Collection Efficiency Analysis. Journal of Atmospheric and Oceanic Technology, 1997, 14, 753-768.	1.3	82
228	Parameterization of Tropical Cirrus Ice Crystal Size Distributions and Implications for Radiative Transfer: Results from CEPEX. Journals of the Atmospheric Sciences, 1997, 54, 2187-2200.	1.7	214
229	Cirrus Cloud Radiative and Microphysical Properties from Ground Observations and In Situ Measurements during FIRE 1991 and Their Application to Exhibit Problems in Cirrus Solar Radiative Transfer Modeling. Journals of the Atmospheric Sciences, 1997, 54, 2320-2344.	1.7	53
230	A modeling and observational study of the detailed microphysical structure of tropical cirrus anvils. Journal of Geophysical Research, 1997, 102, 6637-6653.	3.3	24
231	Stratosphere-troposphere exchange in a midlatitude mesoscale convective complex: 1. Observations. Journal of Geophysical Research, 1996, 101, 6823-6836.	3.3	146
232	Cloud particle measurements in thunderstorm anvils and possible weather threat to aviation. , 1996, , .		2
233	High Albedos of Cirrus in the Tropical Pacific Warm Pool: Microphysical Interpretations from CEPEX and from Kwajalein, Marshall Islands. Journals of the Atmospheric Sciences, 1996, 53, 2424-2451.	1.7	155
234	Modeling Cirrus Clouds. Part I: Treatment of Bimodal Size Spectra and Case Study Analysis. Journals of the Atmospheric Sciences, 1996, 53, 2952-2966.	1.7	89

#	Article	IF	Citations
235	Microphysical Characteristics of Three Anvils Sampled during the Central Equatorial Pacific Experiment. Journals of the Atmospheric Sciences, 1996, 53, 2401-2423.	1.7	250
236	Radar and Radiation Properties of Ice Clouds. Journal of Applied Meteorology and Climatology, 1995, 34, 2329-2345.	1.7	93
237	The Role of Spaceborne Millimeter-Wave Radar in the Global Monitoring of Ice Cloud. Journal of Applied Meteorology and Climatology, 1995, 34, 2346-2366.	1.7	54
238	Relative Humidity and Temperature Influences on Cirrus Formation and Evolution: Observations from Wave Clouds and FIRE II. Journals of the Atmospheric Sciences, 1995, 52, 4302-4326.	1.7	184
239	The role of water vapor and convection during the Central Equatorial Pacific Experiment from observations and model simulations. Journal of Geophysical Research, 1995, 100, 26229.	3.3	15
240	Dynamical Characteristics of Cirrus Clouds from Aircraft and Radar Observations in Micro and Meso-Î³ Scales. Journals of the Atmospheric Sciences, 1995, 52, 4060-4078.	1.7	24
241	Ground-Based Remote Sensing of Cloud Particle Sizes during the 26 November 1991 FIRE II Cirrus Case: Comparisons with In Situ Data. Journals of the Atmospheric Sciences, 1995, 52, 4128-4142.	1.7	17
242	Microphysical modeling of cirrus: 1. Comparison with 1986 FIRE IFO measurements. Journal of Geophysical Research, 1994, 99, 10421.	3.3	113
243	Microphysical modeling of cirrus: 2. Sensitivity studies. Journal of Geophysical Research, 1994, 99, 10443.	3.3	31
244	Effects of ice-crystal structure on halo formation: cirrus cloud experimental and ray-tracing modeling studies. Applied Optics, 1994, 33, 4590.	2.1	42
245	<title>Potential of using spaceborne millimeter wavelength radar for ice cloud studies</title>. , 1994, 2309, 84.		0
246	Chapter 4 Microphysical Structures of Stratiform and Cirrus Clouds. International Geophysics, 1993, 54, 97-121.	0.6	25
247	Homogeneous Ice Nucleation and Supercooled Liquid Water in Orographic Wave Clouds. Journals of the Atmospheric Sciences, 1993, 50, 2335-2353.	1.7	189
248	Magnitude of Error Factors in Estimates of Snow-Particle Masses from Images. Journal of Applied Meteorology and Climatology, 1993, 32, 804-809.	1.7	8
249	Parameterizations of Condensational Growth of Droplets for Use in General Circulation Models. Journals of the Atmospheric Sciences, 1992, 49, 2325-2342.	1.7	107
250	Cirrus Microphysics and Radiative Transfer: Cloud Field Study on 28 October 1986. Monthly Weather Review, 1992, 120, 661-684.	1.4	43
251	On Radiation and Latent Heat Feedback in Clouds: Implications and a Parameterization. Journals of the Atmospheric Sciences, 1991, 48, 493-495.	1.7	5
252	An Observational and Theoretical Study of Highly Supercooled Altocumulus. Journals of the Atmospheric Sciences, 1991, 48, 923-945.	1.7	74

#	Article	IF	Citations
253	Limit to greenhouse warming?. Nature, 1991, 351, 14-15.	27.8	23
254	A Comparison of Vertical Velocity in Cirrus Obtained from Aircraft and Lidar Divergence Measurements during FIRE. Journal of Atmospheric and Oceanic Technology, 1990, 7, 58-67.	1.3	16
255	The 27â€“28 October 1986 FIRF IFO Cirrus Case Study: Comparison of Radiative Transfer Theory with Observations by Satellite and Aircraft. Monthly Weather Review, 1990, 118, 2356-2376.	1.4	60
256	The 27â€“28 October 1986 FIRE IFO Cirrus Case Study: Cloud Microstructure. Monthly Weather Review, 1990, 118, 2313-2328.	1.4	93
257	A Scheme for Parameterizing Ice-Cloud Water Content in General Circulation Models. Journals of the Atmospheric Sciences, 1990, 47, 1865-1877.	1.7	171
258	Structure of the Melting Layer in Mesoscale Convective System Stratiform Precipitation. Journals of the Atmospheric Sciences, 1989, 46, 2008-2025.	1.7	109
259	Cirrus Crystal Nucleation by Homogeneous Freezing of Solution Droplets. Journals of the Atmospheric Sciences, 1989, 46, 2252-2264.	1.7	213
260	Aggregation of Ice Crystals in Cirrus. Journals of the Atmospheric Sciences, 1989, 46, 3108-3121.	1.7	82
261	Evaluation of Liquid Water Measuring Instruments in Cold Clouds Sampled during FIRE. Journal of Atmospheric and Oceanic Technology, 1989, 6, 378-388.	1.3	29
262	Water Vapor and ice Mass Transported into the Anvils Of CCOPE Thunderstorms: Comparison with Storm Influx and Rainout. Journals of the Atmospheric Sciences, 1988, 45, 3501-3514.	1.7	25
263	Terminal Velocity Adjustments for Plate-like Crystals and Graupel. Journals of the Atmospheric Sciences, 1988, 45, 3515-3518.	1.7	7
264	Melting and Shedding of Graupel and Hail. Part I: Model Physics. Journals of the Atmospheric Sciences, 1987, 44, 2754-2763.	1.7	158
265	An Improved Approach to Calculating Terminal Velocities of Plate-like Crystals and Graupel. Journals of the Atmospheric Sciences, 1987, 44, 1088-1099.	1.7	151
266	Melting and Shedding of Graupel and Hail. Part III: Investigation of the Role of Shed Drops as Hail Embryos in the 1 August CCOPE Severe Storm. Journals of the Atmospheric Sciences, 1987, 44, 2783-2803.	1.7	36
267	An Examination of Double-Plate Ice Crystals and the Initiation of Precipitation in Continental Cumulus Clouds. Journals of the Atmospheric Sciences, 1987, 44, 1331-1350.	1.7	17
268	Air Motion Characteristics in the Anvil of a Severe Thunderstorm during CCOPE. Journals of the Atmospheric Sciences, 1987, 44, 1899-1911.	1.7	4
269	Melting and Shedding of Graupel and Hail. Part II: Sensitivity Study. Journals of the Atmospheric Sciences, 1987, 44, 2764-2782.	1.7	52
270	An Interactive System for Processing PMS Two-Dimensional Imaging Probe Data. Journal of Atmospheric and Oceanic Technology, 1986, 3, 734-736.	1.3	4

#	Article	IF	Citations
271	Relationships for Deriving Thunderstorm Anvil Ice Mass for CCOPE Storm Water Budget Estimates. Journal of Climate and Applied Meteorology, 1986, 25, 691-702.	1.0	36
272	Microphysical Characteristics of a Well-Developed Weak Echo Region in a High Plains Supercell Thunderstorm. Journal of Climate and Applied Meteorology, 1986, 25, 1037-1051.	1.0	60
273	Ice Particles Observed in a Cirriform Cloud at â˜83Â°C and Implications for Polar Stratospheric Clouds. Journals of the Atmospheric Sciences, 1986, 43, 851-855.	1.7	137
274	Ice Particle Evolution in the Anvil of a Severe Thunderstorm during CCOPE. Journals of the Atmospheric Sciences, 1986, 43, 2463-2478.	1.7	44
275	Aggregates as Embryos in Seeded Clouds. , 1986, , 33-41.		2
276	A Generalized Form for Impact Velocities Used to Determine Graupel Accretional Densities. Journals of the Atmospheric Sciences, 1985, 42, 2275-2279.	1.7	28
277	A Quantitative Assessment of the Accuracy of Techniques for Calculating Graupel Growth. Journals of the Atmospheric Sciences, 1985, 42, 2264-2274.	1.7	43
278	Summary of a Workshop on Processing 2-D Probe Data. Bulletin of the American Meteorological Society, 1985, 66, 437-440.	3.3	48
279	A Parameterization of the Particle Size Spectrum of Ice Clouds in Terms of the Ambient Temperature and the Ice Water Content. Journals of the Atmospheric Sciences, 1984, 41, 846-855.	1.7	417
280	Temperature dependence of secondary ice crystal production during soft hail growth by riming. Quarterly Journal of the Royal Meteorological Society, 1984, 110, 765-770.	2.7	37
281	Processes of Hydrometeor Development in Oklahoma Convective Clouds. Journals of the Atmospheric Sciences, 1984, 41, 2811-2835.	1.7	32
282	Comments on â€œAntenna Beam Patterns and Dual-Wavelength Processingâ€• Journal of Climate and Applied Meteorology, 1984, 23, 855-858.	1.0	0
283	A Technique for Investigating Graupel and Hail Development. Journal of Climate and Applied Meteorology, 1983, 22, 1143-1160.	1.0	8
284	Case Study of a Halistorm in Colorado. Part IV: Graupel and Hail Growth Mechanisms Deduced through Particle Trajectory Calculations. Journals of the Atmospheric Sciences, 1983, 40, 1482-1509.	1.7	42
285	Case Study of a Hailstorm in Colorado. Part II: Particle Growth Processes at Mid-Levels Deduced fromin-situMeasurements. Journals of the Atmospheric Sciences, 1982, 39, 2847-2866.	1.7	28
286	A Comparative Study of the Rates of Development of Potential Graupel and Hail Embryos in High Plains Storms. Journals of the Atmospheric Sciences, 1982, 39, 2867-2897.	1.7	68
287	Hail Growth Mechanisms in a Colorado Storm: Part II: Hail Formation Processes. Journals of the Atmospheric Sciences, 1980, 37, 1779-1807.	1.7	47
288	Hail Growth Mechanisms in a Colorado Storm. Part I: Dual-Wavelength Radar Observations. Journals of the Atmospheric Sciences, 1980, 37, 1763-1778.	1.7	24

#	Article	IF	Citations
289	Overestimates of Entrainment From Wetting of Aircraft Temperature Sensors in Cloud. Journal of Applied Meteorology, 1979, 18, 92-95.	1.1	22
290	Results of a Randomized Hail Suppression Experiment in Northeast Colorado. Part II: Surface Data Base and Primary Statistical Analysis. Journal of Applied Meteorology, 1979, 18, 1538-1558.	1.1	12
291	Ice Initiation in Unmixed Updraft Cores in Northeast Colorado Cumulus Congestus Clouds. Journals of the Atmospheric Sciences, 1979, 36, 2216-2229.	1.7	25
292	A Computational Technique for Increasing the Effective Sampling Volume of the PMS Two-Dimensional Particle Size Spectrometer. Journal of Applied Meteorology, 1978, 17, 1566-1572.	1.1	133
293	Observations of Moist Adiabatic Ascent in Northeast Colorado Cumulus Congestus Clouds. Journals of the Atmospheric Sciences, 1978, 35, 1689-1703.	1.7	118
294	Precipitation Development in Stratiform Ice Clouds: A Microphysical and Dynamical Study. Journals of the Atmospheric Sciences, 1977, 34, 367-381.	1.7	213
295	Cirrus Uncinus Generating Cells and the Evolution of Cirriform Clouds. Part III: Numerical Computations of the Growth of the Ice Phase. Journals of the Atmospheric Sciences, 1975, 32, 820-830.	1.7	31
296	Cirrus Uncinus Generating Cells and the Evolution of Cirriform Clouds. Part II: The Structure and Circulations of the Cirrus Uncinus Generating Head. Journals of the Atmospheric Sciences, 1975, 32, 809-819.	1.7	53
297	Cirrus Uncinus Generating Cells and the Evolution of Cirriform Clouds. Part I: Aircraft Observations of the Growth of the Ice Phase. Journals of the Atmospheric Sciences, 1975, 32, 799-808.	1.7	136
298	Laboratory and Field Observations of the Growth of Columnar and Plate Crystals from Frozen Droplets. Journals of the Atmospheric Sciences, 1973, 30, 1650-1656.	1.7	15
299	Properties of Cirrus Generating Cells. Journals of the Atmospheric Sciences, 1972, 29, 1358-1366.	1.7	77
300	Ice Crystal Terminal Velocities. Journals of the Atmospheric Sciences, 1972, 29, 1348-1357.	1.7	206