

Tristan L'Ecuyer

List of Publications by Year in descending order

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180
papers

9,878
citations

36299

51
h-index

40976

93
g-index

205
all docs

205
docs citations

205
times ranked

7826
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging Considerations From a Geostationary Orbit Using the Short Wavelength Side of the Mid-Infrared Water Vapor Absorption Band. <i>Earth and Space Science</i> , 2022, 9, .	2.6	0
2	Relating snowfall observations to Greenland ice sheet mass changes: an atmospheric circulation perspective. <i>Cryosphere</i> , 2022, 16, 435-450.	3.9	1
3	Retrieval of Surface Spectral Emissivity in Polar Regions Based on the Optimal Estimation Method. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3
4	Environmental Response in Coupled Energy and Water Cloud Impact Parameters Derived from A-Train Satellites, ERA-Interim, and MERRA-2. <i>Journal of Applied Meteorology and Climatology</i> , 2022, 61, 261-276.	1.5	0
5	The Global Nature of Early-Afternoon and Late-Night Convection Through the Eyes of the A-Train. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	2
6	Climate Outcomes of Earth-similar Worlds as a Function of Obliquity and Rotation Rate. <i>Astrophysical Journal</i> , 2022, 933, 62.	4.5	3
7	The surface longwave cloud radiative effect derived from space lidar observations. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3893-3923.	3.1	1
8	An overview of the ORACLES (ObseRvations of Aerosols above CLouds and their intEractionS) project: aerosol-cloud-radiation interactions in the southeast Atlantic basin. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1507-1563.	4.9	97
9	Uncertainty in Forced and Natural Arctic Solar Absorption Variations in CMIP6 Models. <i>Journal of Climate</i> , 2021, 34, 931-948.	3.2	6
10	What millimeter-wavelength radar reflectivity reveals about snowfall: an information-centric analysis. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 869-888.	3.1	14
11	Joint cloud water path and rainwater path retrievals from airborne ORACLES observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5513-5532.	4.9	4
12	Inference of Precipitation in Warm Stratiform Clouds Using Remotely Sensed Observations of the Cloud Top Droplet Size Distribution. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092547.	4.0	5
13	High-latitude precipitation: Snowfall regimes at two distinct sites in Scandinavia. <i>Journal of Applied Meteorology and Climatology</i> , 2021, , .	1.5	2
14	The Polar Radiant Energy in the Far Infrared Experiment: A New Perspective on Polar Longwave Energy Exchanges. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1431-E1449.	3.3	14
15	The Influence of Atmospheric Rivers on Cold-Season Precipitation in the Upper Great Lakes Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034754.	3.3	2
16	Vertical structure of cloud radiative heating in the tropics: confronting the EC-Earth v3.3.1/3P model with satellite observations. <i>Geoscientific Model Development</i> , 2021, 14, 4087-4101.	3.6	2
17	Ground-based far-infrared emissivity measurements with the University of Wisconsin absolute radiance interferometer (ARI). , 2021, , .		0
18	Global evidence of aerosol-induced invigoration in marine cumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15103-15114.	4.9	4

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19	Evaluation of CloudSat Radiative Kernels Using ARM and CERES Observations and ERA5 Reanalysis. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034510.	3.3	0
20	A Cloudier Picture of Ice-Albedo Feedback in CMIP6 Models. Frontiers in Earth Science, 2021, 9, .	1.8	2
21	Emerging Trends in Arctic Solar Absorption. Geophysical Research Letters, 2021, 48, .	4.0	7
22	Arctic Snowfall from CloudSat Observations and Reanalyses. Journal of Climate, 2020, 33, 2093-2109.	3.2	13
23	Sugar, gravel, fish and flowers: Mesoscale cloud patterns in the trade winds. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 141-152.	2.7	78
24	Arctic Clouds and Precipitation in the Community Earth System Model Version 2. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032521.	3.3	17
25	Reducing the aerosol forcing uncertainty using observational constraints on warm rain processes. Science Advances, 2020, 6, eaaz6433.	10.3	33
26	Quantifying cloud adjustments and the radiative forcing due to aerosol–cloud interactions in satellite observations of warm marine clouds. Atmospheric Chemistry and Physics, 2020, 20, 6225-6241.	4.9	12
27	CloudSat–Inferred Vertical Structure of Snowfall Over the Antarctic Continent. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031399.	3.3	10
28	Global Snowfall Detection and Measurement. Advances in Global Change Research, 2020, , 699-716.	1.6	10
29	Influence of gravity wave temperature anomalies and their vertical gradients on cirrus clouds in the tropical tropopause layer – a satellite-based view. Atmospheric Chemistry and Physics, 2020, 20, 12499-12514.	4.9	15
30	How much snow falls in the world's mountains? A first look at mountain snowfall estimates in A-train observations and reanalyses. Cryosphere, 2020, 14, 3195-3207.	3.9	17
31	A Relational Vulnerability Analytic: Exploring Hybrid Methodologies for Human Dimensions of Climate Change Research in the Himalayas. , 2020, , 493-524.		1
32	Satellite observations of snowfall regimes over the Greenland Ice Sheet. Cryosphere, 2020, 14, 4379-4404.	3.9	11
33	Assessment of Sampling Sufficiency for Low-Cost Satellite Missions: Application to PREFIRE. Journal of Atmospheric and Oceanic Technology, 2020, 37, 2283-2298.	1.3	3
34	Status of the CloudSat Mission. Advances in Global Change Research, 2020, , 25-43.	1.6	3
35	Estimation of Snowfall Properties at a Mountainous Site in Norway Using Combined Radar and In Situ Microphysical Observations. Journal of Applied Meteorology and Climatology, 2019, 58, 1337-1352.	1.5	13
36	Measuring Global Ocean Heat Content to Estimate the Earth Energy Imbalance. Frontiers in Marine Science, 2019, 6, .	2.5	123

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37	Role of Latent Heating Vertical Distribution in the Formation of the Tropical Cold Trap. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7836-7851.	3.3	3
38	Snowfall distribution and its response to the Arctic Oscillation: an evaluation of HighResMIP models in the Arctic using CPR/CloudSat observations. Geoscientific Model Development, 2019, 12, 3759-3772.	3.6	9
39	Reassessing the Effect of Cloud Type on Earth's Energy Balance in the Age of Active Spaceborne Observations. Part I: Top of Atmosphere and Surface. Journal of Climate, 2019, 32, 6197-6217.	3.2	46
40	Reassessing the Effect of Cloud Type on Earth's Energy Balance in the Age of Active Spaceborne Observations. Part II: Atmospheric Heating. Journal of Climate, 2019, 32, 6219-6236.	3.2	23
41	The Vertical Structure of Radiative Heating Rates: A Multimodel Evaluation Using A-Train Satellite Observations. Journal of Climate, 2019, 32, 1573-1590.	3.2	14
42	The Observed Structure and Precipitation Characteristics of Southeast Atlantic Stratocumulus from Airborne Radar during ORACLES 2016-17. Journal of Applied Meteorology and Climatology, 2019, 58, 2197-2215.	1.5	11
43	New Estimates of Aerosol Direct Radiative Effects and Forcing From A-Train Satellite Observations. Geophysical Research Letters, 2019, 46, 8338-8346.	4.0	23
44	Quantifying variations in shortwave aerosol-cloud-radiation interactions using local meteorology and cloud state constraints. Atmospheric Chemistry and Physics, 2019, 19, 6251-6268.	4.9	23
45	An Interactive Online Educational Applet for Multiple Frequencies of Radar Observations. Bulletin of the American Meteorological Society, 2019, 100, 747-752.	3.3	1
46	How Does Cloud Overlap Affect the Radiative Heating in the Tropical Upper Troposphere/Lower Stratosphere?. Geophysical Research Letters, 2019, 46, 5623-5631.	4.0	6
47	Observation-Based Radiative Kernels From CloudSat/CALIPSO. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5431-5444.	3.3	26
48	How Does Ground Clutter Affect CloudSat Snowfall Retrievals Over Ice Sheets?. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 342-346.	3.1	30
49	Terran World Spectral Simulator. Publications of the Astronomical Society of the Pacific, 2019, 131, 054502.	3.1	0
50	Evaluation of CloudSat snowfall rate profiles by a comparison with in situ micro-rain radar observations in East Antarctica. Cryosphere, 2019, 13, 943-954.	3.9	19
51	How Much Do Clouds Mask the Impacts of Arctic Sea Ice and Snow Cover Variations? Different Perspectives from Observations and Reanalyses. Atmosphere, 2019, 10, 12.	2.3	21
52	The Polar Radiant Energy in the Far Infrared Experiment (Prefire). , 2019, , .		2
53	The Observed Influence of Tropical Convection on the Saharan Dust Layer. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10896-10912.	3.3	8
54	CloudSat and CALIPSO within the A-Train: Ten Years of Actively Observing the Earth System. Bulletin of the American Meteorological Society, 2018, 99, 569-581.	3.3	171

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55	Estimating precipitation susceptibility in warm marine clouds using multi-sensor aerosol and cloud products from A-Train satellites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1763-1783.	4.9	18
56	Cloud and radiative heating profiles associated with the boreal summer intraseasonal oscillation. <i>Climate Dynamics</i> , 2018, 50, 1485-1494.	3.8	6
57	Assessing the Coupled Influences of Clouds on the Atmospheric Energy and Water Cycles in Reanalyses with A-Train Observations. <i>Journal of Climate</i> , 2018, 31, 8241-8264.	3.2	6
58	Scale-Aware and Definition-Aware Evaluation of Modeled Near-Surface Precipitation Frequency Using CloudSat Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4294-4309.	3.3	50
59	CloudSat snowfall estimates over Antarctica and the Southern Ocean: An assessment of independent retrieval methodologies and multi-year snowfall analysis. <i>Atmospheric Research</i> , 2018, 213, 121-135.	4.1	49
60	Global Character of Latent Heat Release in Oceanic Warm Rain Systems. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4797-4817.	3.3	16
61	Using CALIOP to estimate cloud-field base height and its uncertainty: the Cloud Base Altitude Spatial Extrapolator (CBASE) algorithm and dataset. <i>Earth System Science Data</i> , 2018, 10, 2279-2293.	9.9	28
62	POLAR RADIANT ENERGY IN THE FAR-INFRARED EXPERIMENT (PREFIRE). , 2018, , .		0
63	Evaluation of current and projected Antarctic precipitation in CMIP5 models. <i>Climate Dynamics</i> , 2017, 48, 225-239.	3.8	125
64	Response of the lower troposphere to moisture intrusions into the Arctic. <i>Geophysical Research Letters</i> , 2017, 44, 2527-2536.	4.0	58
65	Evaluation of Antarctic snowfall in global meteorological reanalyses. <i>Atmospheric Research</i> , 2017, 190, 104-112.	4.1	42
66	The role of cloud phase in Earth's radiation budget. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2559-2578.	3.3	178
67	Information content of visible and midinfrared radiances for retrieving tropical ice cloud properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4944-4966.	3.3	7
68	Polar clouds and radiation in satellite observations, reanalyses, and climate models. <i>Geophysical Research Letters</i> , 2017, 44, 3355-3364.	4.0	68
69	Observational Evidence Linking Arctic Supercooled Liquid Cloud Biases in CESM to Snowfall Processes. <i>Journal of Climate</i> , 2017, 30, 4477-4495.	3.2	45
70	An Observational View of Relationships Between Moisture Aggregation, Cloud, and Radiative Heating Profiles. <i>Surveys in Geophysics</i> , 2017, 38, 1237-1254.	4.6	11
71	Cloud occurrences and cloud radiative effects (CREs) from CERES-CALIPSO-CloudSat-MODIS (CCCM) and CloudSat radar-lidar (RL) products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8852-8884.	3.3	24
72	Saharan dust, convective lofting, aerosol enhancement zones, and potential impacts on ice nucleation in the tropical upper troposphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8833-8851.	3.3	16

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73	Observing Convective Aggregation. <i>Surveys in Geophysics</i> , 2017, 38, 1199-1236.	4.6	102
74	Evaluation of radiative heating rate profiles in eight GCMs using A-train satellite observations. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
75	Implications of Warm Rain in Shallow Cumulus and Congestus Clouds for Large-Scale Circulations. <i>Surveys in Geophysics</i> , 2017, 38, 1257-1282.	4.6	17
76	Observational evidence for the vertical redistribution and scavenging of Saharan dust by tropical cyclones. <i>Geophysical Research Letters</i> , 2017, 44, 6421-6430.	4.0	10
77	The sensitivity of snowfall to weather states over Sweden. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3249-3263.	3.1	6
78	A variational technique to estimate snowfall rate from coincident radar, snowflake, and fall-speed observations. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2557-2571.	3.1	21
79	Observing Convective Aggregation. <i>Space Sciences Series of ISSI</i> , 2017, , 27-64.	0.0	5
80	Implications of Warm Rain in Shallow Cumulus and Congestus Clouds for Large-Scale Circulations. <i>Space Sciences Series of ISSI</i> , 2017, , 85-110.	0.0	2
81	How Frequent is Precipitation over the Contiguous United States? Perspectives from Ground-Based and Spaceborne Radars. <i>Journal of Hydrometeorology</i> , 2017, 18, 1657-1672.	1.9	10
82	Correction to: An Observational View of Relationships Between Moisture Aggregation, Cloud, and Radiative Heating Profiles. <i>Space Sciences Series of ISSI</i> , 2017, , 83-83.	0.0	0
83	Recent Advances in Arctic Cloud and Climate Research. <i>Current Climate Change Reports</i> , 2016, 2, 159-169.	8.6	120
84	Responses of Tropical Ocean Clouds and Precipitation to the Large-Scale Circulation: Atmospheric-Water-Budget-Related Phase Space and Dynamical Regimes. <i>Journal of Climate</i> , 2016, 29, 7127-7143.	3.2	10
85	Considering the radiative effects of snow on tropical Pacific Ocean radiative heating profiles in contemporary GCMs using A-train observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1621-1636.	3.3	26
86	A Shallow Cumuliform Snowfall Census Using Spaceborne Radar. <i>Journal of Hydrometeorology</i> , 2016, 17, 1261-1279.	1.9	91
87	Arctic Observation and Reanalysis Integrated System: A New Data Product for Validation and Climate Study. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 907-916.	3.3	41
88	Toward an Algorithm for Estimating Latent Heat Release in Warm Rain Systems. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 1309-1329.	1.3	22
89	Clouds enhance Greenland ice sheet meltwater runoff. <i>Nature Communications</i> , 2016, 7, 10266.	12.8	164
90	Pixel-scale assessment and uncertainty analysis of AIRS and MODIS ice cloud optical thickness and effective radius. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,669.	3.3	21

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91	The vertical structure of cloud radiative heating over the Indian subcontinent during summer monsoon. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11557-11570.	4.9	17
92	The Earth's energy balance. <i>Atmospheric Research</i> , 2015, 166, 195-203.	4.1	49
93	The Observed State of the Water Cycle in the Early Twenty-First Century. <i>Journal of Climate</i> , 2015, 28, 8289-8318.	3.2	230
94	Microphysical Constraints on Millimeter-Wavelength Scattering Properties of Snow Particles. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 909-931.	1.5	37
95	The Observed State of the Energy Budget in the Early Twenty-First Century. <i>Journal of Climate</i> , 2015, 28, 8319-8346.	3.2	160
96	Impacts of Cloud Dropletâ€Nucleating Aerosols on Shallow Tropical Convection. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 1369-1385.	1.7	49
97	The Role of Clouds in Modulating Global Aerosol Direct Radiative Effects in Spaceborne Active Observations and the Community Earth System Model. <i>Journal of Climate</i> , 2015, 28, 2986-3003.	3.2	30
98	Overview of Temporal Experiment for Storms and Tropical Systems (TEMPEST) CubeSat constellation mission. , 2015, , .		25
99	A Global Assessment of the Spatial Distribution of Precipitation Occurrence. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 2179-2197.	1.5	16
100	Intercomparison of snowfall estimates derived from the CloudSat Cloud Profiling Radar and the ground-based weather radar network over Sweden. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 5009-5021.	3.1	48
101	Aerosol impacts on drizzle properties in warm clouds from ARM Mobile Facility maritime and continental deployments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4136-4148.	3.3	38
102	Estimating snow microphysical properties using collocated multisensor observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8941-8961.	3.3	87
103	Observations of aerosolâ€induced convective invigoration in the tropical east Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3963-3975.	3.3	55
104	WRFâ€SBM Simulations of Melting-Layer Structure in Mixed-Phase Precipitation Events Observed during LPVEx. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 2710-2731.	1.5	26
105	How much snow falls on the Antarctic ice sheet?. <i>Cryosphere</i> , 2014, 8, 1577-1587.	3.9	124
106	Local Balance and Variability of Atmospheric Heat Budget over Oceans: Observation and Reanalysis-Based Estimates. <i>Journal of Climate</i> , 2014, 27, 893-913.	3.2	4
107	A Comparison of Precipitation Occurrence from the NCEP Stage IV QPE Product and the CloudSat Cloud Profiling Radar. <i>Journal of Hydrometeorology</i> , 2014, 15, 444-458.	1.9	81
108	Reconciling Ground-Based and Space-Based Estimates of the Frequency of Occurrence and Radiative Effect of Clouds around Darwin, Australia. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 456-478.	1.5	44

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109	A Mechanism of Tropical Convection Inferred from Observed Variability in the Moist Static Energy Budget. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 3747-3766.	1.7	36
110	Observational constraints on Arctic Ocean clouds and radiative fluxes during the early 21st century. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7219-7236.	3.3	114
111	Influence of Ice Particle Surface Roughening on the Global Cloud Radiative Effect. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 2794-2807.	1.7	72
112	Characterizing and understanding radiation budget biases in CMIP3/CMIP5 GCMs, contemporary GCM, and reanalysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8166-8184.	3.3	127
113	Radiative heating characteristics of Earth's cloudy atmosphere from vertically resolved active sensors. <i>Geophysical Research Letters</i> , 2013, 40, 624-630.	4.0	56
114	A satellite perspective on cloud water to rain water conversion rates and relationships with environmental conditions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6643-6650.	3.3	19
115	GPM Satellite Simulator over Ground Validation Sites. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 1653-1660.	3.3	59
116	A Multisensor Perspective on the Radiative Impacts of Clouds and Aerosols. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 853-871.	1.5	169
117	Low cloud precipitation climatology in the southeastern Pacific marine stratocumulus region using CloudSat. <i>Environmental Research Letters</i> , 2013, 8, 014027.	5.2	39
118	Diagnosis of regime-dependent cloud simulation errors in CMIP5 models using Aâ€¢Train satellite observations and reanalysis data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2762-2780.	3.3	90
119	Characterization of video disdrometer uncertainties and impacts on estimates of snowfall rate and radar reflectivity. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 3635-3648.	3.1	47
120	Evaluation of cloud and water vapor simulations in CMIP5 climate models using NASA Aâ€¢Train satellite observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	316
121	An update on Earth's energy balance in light of the latest global observations. <i>Nature Geoscience</i> , 2012, 5, 691-696.	12.9	703
122	Constraining cloud lifetime effects of aerosols using Aâ€¢Train satellite observations. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	117
123	The Global Character of the Flux of Downward Longwave Radiation. <i>Journal of Climate</i> , 2012, 25, 2329-2340.	3.2	99
124	The impact of precipitating ice and snow on the radiation balance in global climate models. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	66
125	Investigation of the 2006 drought and 2007 flood extremes at the Southern Great Plains through an integrative analysis of observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	64
126	The retrieval of warm rain from CloudSat. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	129

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127	Combining space-based active and passive microwave observations to improve global snowfall estimates. , 2011, , .		0
128	Vertical Diabatic Heating Structure of the MJO: Intercomparison between Recent Reanalyses and TRMM Estimates. Monthly Weather Review, 2011, 139, 3208-3223.	1.4	84
129	Detecting the Ratio of Rain and Cloud Water in Low-Latitude Shallow Marine Clouds. Journal of Applied Meteorology and Climatology, 2011, 50, 419-432.	1.5	62
130	Equatorial Asymmetry of the East Pacific ITCZ: Observational Constraints on the Underlying Processes. Journal of Climate, 2011, 24, 1784-1800.	3.2	25
131	Touring the Atmosphere Aboard the A-Train. AIP Conference Proceedings, 2011, , .	0.4	10
132	Improving Estimates of the Earth's Radiation Budget with Multispectral and Hyperspectral Satellite Observations. , 2011, , .		0
133	Touring the atmosphere aboard the A-Train. Physics Today, 2010, 63, 36-41.	0.3	219
134	Diurnal Cycle of Convection during the 2004 North American Monsoon Experiment. Journal of Climate, 2010, 23, 1060-1078.	3.2	25
135	Observed Self-Similarity of Precipitation Regimes over the Tropical Oceans. Journal of Climate, 2010, 23, 2686-2698.	3.2	19
136	The Southeast Pacific Warm Band and Double ITCZ. Journal of Climate, 2010, 23, 1189-1208.	3.2	20
137	The Evaluation of CloudSat and CALIPSO Ice Microphysical Products Using Ground-Based Cloud Radar and Lidar Observations. Journal of Atmospheric and Oceanic Technology, 2010, 27, 793-810.	1.3	59
138	Impact of Cloud-Nucleating Aerosols in Cloud-Resolving Model Simulations of Warm-Rain Precipitation in the East China Sea. Journals of the Atmospheric Sciences, 2010, 67, 3916-3930.	1.7	27
139	Estimates of Tropical Diabatic Heating Profiles: Commonalities and Uncertainties. Journal of Climate, 2010, 23, 542-558.	3.2	73
140	CloudSat Precipitation Profiling Algorithm's Model Description. Journal of Applied Meteorology and Climatology, 2010, 49, 991-1003.	1.5	49
141	The Distribution of Rainfall over Oceans from Spaceborne Radars. Journal of Applied Meteorology and Climatology, 2010, 49, 535-543.	1.5	93
142	A 10-Year Climatology of Tropical Radiative Heating and Its Vertical Structure from TRMM Observations. Journal of Climate, 2010, 23, 519-541.	3.2	41
143	MJO Signals in Latent Heating: Results from TRMM Retrievals. Journals of the Atmospheric Sciences, 2010, 67, 3488-3508.	1.7	39
144	Evaluation of midlatitude clouds in a large-scale high-resolution simulation using CloudSat observations. Journal of Geophysical Research, 2010, 115, .	3.3	15

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145	Dreary state of precipitation in global models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	533
146	<i>CloudSat</i>Precipitation Profiling Algorithmâ€”Model Description. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 991-1003.	1.5	1
147	Spectral Retrieval of Latent Heating Profiles from TRMM PR Data. Part IV: Comparisons of Lookup Tables from Two- and Three-Dimensional Cloud-Resolving Model Simulations. <i>Journal of Climate</i> , 2009, 22, 5577-5594.	3.2	53
148	Combining Satellite Microwave Radiometer and Radar Observations to Estimate Atmospheric Heating Profiles. <i>Journal of Climate</i> , 2009, 22, 6356-6376.	3.2	30
149	Vertical Heating Structures Associated with the MJO as Characterized by TRMM Estimates, ECMWF Reanalyses, and Forecasts: A Case Study during 1998/99 Winter. <i>Journal of Climate</i> , 2009, 22, 6001-6020.	3.2	29
150	Rainfall retrieval over the ocean with spaceborne Wâ€band radar. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	279
151	Global observations of aerosol impacts on precipitation occurrence in warm maritime clouds. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	80
152	How often does it rain over the global oceans? The perspective from CloudSat. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	68
153	An operational retrieval algorithm for determining aerosol optical properties in the ultraviolet. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	19
154	Evidence for the impact of aerosols on the onset and microphysical properties of rainfall from a combination of satellite observations and cloudâ€resolving model simulations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	51
155	The contribution of cloud and radiation anomalies to the 2007 Arctic sea ice extent minimum. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	290
156	Impact of clouds on atmospheric heating based on the R04 CloudSat fluxes and heating rates data set. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	131
157	Identifying multipleâ€scatteringâ€affected profiles in CloudSat observations over the oceans. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	36
158	CloudSat mission: Performance and early science after the first year of operation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	578
159	Remote sensing of tropical tropopause layer radiation balance using Aâ€train measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	5
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