

Christian Kummerow

List of Publications by Year in descending order

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34
papers

4,799
citations

279487

23
h-index

454577

30
g-index

34
all docs

34
docs citations

34
times ranked

4005
citing authors

#	ARTICLE	IF	CITATIONS
1	The Contribution of Rain Gauges in the Calibration of the IMERG Product: Results from the First Validation over Spain. <i>Journal of Hydrometeorology</i> , 2020, 21, 161-182.	0.7	43
2	Comparison of TRMM Microwave Imager Rainfall Datasets from NASA and JAXA. <i>Journal of Hydrometeorology</i> , 2020, 21, 377-397.	0.7	6
3	Enhancing PMW Satellite Precipitation Estimation: Detecting Convective Class. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 2349-2363.	0.5	16
4	Long-Term Arctic Snow/Ice Interface Temperature from Special Sensor for Microwave Imager Measurements. <i>Remote Sensing</i> , 2018, 10, 1795.	1.8	11
5	Fundamental Climate Data Records of Microwave Brightness Temperatures. <i>Remote Sensing</i> , 2018, 10, 1306.	1.8	29
6	The Global Precipitation Measurement (GPM) Mission for Science and Society. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1679-1695.	1.7	541
7	The Chuva Project: How Does Convection Vary across Brazil?. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1365-1380.	1.7	100
8	Improved Geolocation and Earth Incidence Angle Information for a Fundamental Climate Data Record of the SSM/I Sensors. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 1504-1513.	2.7	34
9	Impacts of A Priori Databases Using Six WRF Microphysics Schemes on Passive Microwave Rainfall Retrievals. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 2367-2381.	0.5	24
10	A Clustering Approach to Compare Cloud Model Simulations to Satellite Observations. <i>Journal of Climate</i> , 2012, 25, 7896-7916.	1.2	1
11	Comparing rain retrievals from GPROF with ECMWF 1D $\hat{\epsilon}$ Var products. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1852-1866.	1.0	3
12	Improved Goddard profiling (GPROF) database over the Korean Peninsula and its impact on TRMM TMI rainfall. , 2010, , .		1
13	A radar profiling algorithm designed for use with multiresolution radiometer measurements. , 2010, , .		0
14	International Global Precipitation Measurement (GPM) Program and Mission: An Overview. , 2007, , 611-653.		100
15	Rainfall Climate Regimes: The Relationship of Regional TRMM Rainfall Biases to the Environment. <i>Journal of Applied Meteorology and Climatology</i> , 2006, 45, 434-454.	0.6	152
16	Quantifying Global Uncertainties in a Simple Microwave Rainfall Algorithm. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006, 23, 23-37.	0.5	33
17	An Evaluation of the Proposed Mechanism of the Adaptive Infrared Iris Hypothesis Using TRMM VIRS and PR Measurements. <i>Journal of Climate</i> , 2005, 18, 4185-4194.	1.2	31
18	Toward a Global Map of Raindrop Size Distributions. Part I: Rain-Type Classification and Its Implications for Validating Global Rainfall Products. <i>Journal of Hydrometeorology</i> , 2004, 5, 831-849.	0.7	8

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19	The Effects of Rainfall Inhomogeneity on Climate Variability of Rainfall Estimated from Passive Microwave Sensors. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 624-638.	0.5	28
20	Parametric Rainfall Retrieval Algorithms for Passive Microwave Radiometers. <i>Journal of Applied Meteorology and Climatology</i> , 2003, 42, 1480-1496.	1.7	30
21	Status of TRMM Monthly Estimates of Tropical Precipitation. , 2003, , 223-234.		12
22	Differences between East and West Pacific Rainfall Systems. <i>Journal of Climate</i> , 2002, 15, 3659-3672.	1.2	78
23	The Evolution of the Goddard Profiling Algorithm (GPROF) for Rainfall Estimation from Passive Microwave Sensors. <i>Journal of Applied Meteorology and Climatology</i> , 2001, 40, 1801-1820.	1.7	687
24	Combined Use of the Radar and Radiometer of TRMM to Estimate the Influence of Drop Size Distribution on Rain Retrievals. <i>Journal of Applied Meteorology and Climatology</i> , 2000, 39, 2103-2114.	1.7	46
25	The Tropical Rainfall Measuring Mission (TRMM) Sensor Package. <i>Journal of Atmospheric and Oceanic Technology</i> , 1998, 15, 809-817.	0.5	1,992
26	Beamfilling Errors in Passive Microwave Rainfall Retrievals. <i>Journal of Applied Meteorology and Climatology</i> , 1998, 37, 356-370.	1.7	117
27	Stratiform and Convective Classification of Rainfall Using SSM/I 85-GHz Brightness Temperature Observations. <i>Journal of Atmospheric and Oceanic Technology</i> , 1997, 14, 570-575.	0.5	63
28	Microwave radiative transfer through horizontally inhomogeneous precipitating clouds. <i>Journal of Geophysical Research</i> , 1994, 99, 16707.	3.3	82
29	A Passive Microwave Technique for Estimating Rainfall and Vertical Structure Information from Space. Part I: Algorithm Description. <i>Journal of Applied Meteorology and Climatology</i> , 1994, 33, 3-18.	1.7	182
30	A Passive Microwave Technique for Estimating Rainfall and Vertical Structure Information from Space. Part II: Applications to SSM/I Data. <i>Journal of Applied Meteorology and Climatology</i> , 1994, 33, 19-34.	1.7	54
31	The emergence of inversion-type profile algorithms for estimation of precipitation from satellite passive microwave measurements. <i>International Journal of Remote Sensing</i> , 1994, 11, 211-242.	1.1	39
32	On the accuracy of the Eddington approximation for radiative transfer in the microwave frequencies. <i>Journal of Geophysical Research</i> , 1993, 98, 2757-2765.	3.3	168
33	Determination of Precipitation Profiles from Airborne Passive Microwave Radiometric Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 1991, 8, 148-158.	0.5	32
34	A Self-Consistency Approach to Improve Microwave Rainfall Rate Estimation from Space. <i>Journal of Applied Meteorology and Climatology</i> , 1989, 28, 869-884.	1.7	56