

Timothy H Raupach

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

507
citations

759233

12
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	Correction of raindrop size distributions measured by Parsivel disdrometers, using a two-dimensional video disdrometer as a reference. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 343-365.	3.1	83
2	Evaluating geostatistical methods of blending satellite and gauge data to estimate near real-time daily rainfall for Australia. <i>Journal of Hydrology</i> , 2013, 493, 105-114.	5.4	73
3	The effects of climate change on hailstorms. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 213-226.	29.7	57
4	Precipitation, soil moisture and runoff variability in a small river catchment (Ardèche, France) during HyMeX Special Observation Period 1. <i>Journal of Hydrology</i> , 2014, 516, 330-342.	5.4	38
5	Hydrometeor classification from two-dimensional video disdrometer data. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2869-2882.	3.1	37
6	Rainfall retrieval with commercial microwave links in São Paulo, Brazil. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4465-4476.	3.1	30
7	Robust thermal camera calibration and 3D mapping of object surface temperatures. , 2006, , .		27
8	Retrieval of the raindrop size distribution from polarimetric radar data using double-moment normalisation. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2573-2594.	3.1	24
9	Reconstructing the Drizzle Mode of the Raindrop Size Distribution Using Double-Moment Normalization. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 145-164.	1.5	22
10	A high space-time resolution dataset linking meteorological forcing and hydro-sedimentary response in a mesoscale Mediterranean catchment (Auzon) of the Ardèche region, France. <i>Earth System Science Data</i> , 2017, 9, 221-249.	9.9	20
11	Small-Scale Variability of the Raindrop Size Distribution and Its Effect on Areal Rainfall Retrieval. <i>Journal of Hydrometeorology</i> , 2016, 17, 2077-2104.	1.9	18
12	High-Resolution Simulation Study Exploring the Potential of Radars, Crowdsourced Personal Weather Stations, and Commercial Microwave Links to Monitor Small-Scale Urban Rainfall. <i>Water Resources Research</i> , 2018, 54, 10,293.	4.2	15
13	Invariance of the Double-Moment Normalized Raindrop Size Distribution through 3D Spatial Displacement in Stratiform Rain. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 1663-1680.	1.5	14
14	A multi-year assessment of sub-hourly gridded precipitation for Switzerland based on a blended radar-rain gauge dataset. <i>International Journal of Climatology</i> , 2020, 40, 5208-5222.	3.5	14
15	Spatial interpolation of experimental raindrop size distribution spectra. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 125-137.	2.7	11
16	Retrieval of lower-order moments of the drop size distribution using CSU-CHILL X-band polarimetric radar: a case study. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4727-4750.	3.1	5
17	Techniques for monitoring carnivore behavior using automatic thermal video. <i>Wildlife Society Bulletin</i> , 2013, 37, 862-871.	1.6	4
18	Object-based analysis of simulated thunderstorms in Switzerland: application and validation of automated thunderstorm tracking with simulation data. <i>Geoscientific Model Development</i> , 2021, 14, 6495-6514.	3.6	4

#	ARTICLE	IF	CITATIONS
19	Multifractal Analysis of Snowfall Recorded Using a 2D Video Disdrometer. Journal of Hydrometeorology, 2017, 18, 2453-2468.	1.9	3
20	Objective Characterization of Rain Microphysics: Validating a Scheme Suitable for Weather and Climate Models. Journal of Hydrometeorology, 2018, 19, 929-946.	1.9	3