

Frederic Tridon

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

619
citations

567281

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h-index

677142

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27
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Two Cloud-Resolving Models Using Bin or Bulk Microphysics Representation for the HyMeX-IOP7a Heavy Precipitation Event. <i>Atmosphere</i> , 2020, 11, 1177.	2.3	0
2	Triple-Frequency Radar Retrievals. <i>Advances in Global Change Research</i> , 2020, , 211-229.	1.6	10
3	Estimating total attenuation using Rayleigh targets at cloud top: applications in multilayer and mixed-phase clouds observed by ground-based multifrequency radars. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5065-5085.	3.1	19
4	On the Realism of the Rain Microphysics Representation of a Squall Line in the WRF Model. Part I: Evaluation with Multifrequency Cloud Radar Doppler Spectra Observations. <i>Monthly Weather Review</i> , 2019, 147, 2787-2810.	1.4	14
5	On the Realism of the Rain Microphysics Representation of a Squall Line in the WRF Model. Part II: Sensitivity Studies on the Rain Drop Size Distributions. <i>Monthly Weather Review</i> , 2019, 147, 2811-2825.	1.4	14
6	The Microphysics of Stratiform Precipitation During OLYMPEX: Compatibility Between Triple-Frequency Radar and Airborne In Situ Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8764-8792.	3.3	46
7	Validation of the Global Precipitation Measurement Mission Core Observatory Over Great Britain and Ireland. , 2018, , .		0
8	Hail-Detection Algorithm for the GPM Core Observatory Satellite Sensors. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 1939-1957.	1.5	44
9	Rain retrieval from dual-frequency radar Doppler spectra: validation and potential for a midlatitude precipitating case study. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 1364-1380.	2.7	25
10	Evaporation in action sensed by multiwavelength Doppler radars. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9379-9390.	3.3	16
11	Using a multiwavelength suite of microwave instruments to investigate the microphysical structure of deep convective cores. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9356-9381.	3.3	24
12	Multiple-Scattering-Induced "Ghost Echoes" in GPM DPR Observations of a Tornadic Supercell. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 1653-1666.	1.5	20
13	First observations of triple-frequency radar Doppler spectra in snowfall: Interpretation and applications. <i>Geophysical Research Letters</i> , 2016, 43, 2225-2233.	4.0	48
14	Multiple scattering in observations of the GPM dual-frequency precipitation radar: Evidence and impact on retrievals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4090-4101.	3.3	45
15	Dual-frequency radar Doppler spectral retrieval of rain drop size distributions and entangled dynamics variables. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5585-5601.	3.3	50
16	Signal Postprocessing and Reflectivity Calibration of the Atmospheric Radiation Measurement Program 915-MHz Wind Profilers. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 1038-1054.	1.3	25
17	Disentangling Mie and attenuation effects in rain using a K_{W} dual-wavelength Doppler spectral ratio technique. <i>Geophysical Research Letters</i> , 2013, 40, 5548-5552.	4.0	34
18	Precipitation on the lee side of the Vosges Mountains: Multi-instrumental study of one case from the COPS campaign. <i>Meteorologische Zeitschrift</i> , 2013, 22, 413-432.	1.0	22

#	ARTICLE	IF	CITATIONS
19	Small scale topography influence on the formation of three convective systems observed during COPS over the Vosges Mountains. Meteorologische Zeitschrift, 2013, 22, 395-411.	1.0	9
20	Aliasing in Micro Rain Radar data due to strong vertical winds. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	42
21	On the relationship between water vapour field evolution and the life cycle of precipitation systems. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 204-223.	2.7	69
22	The influence of aerosol particle number and hygroscopicity on the evolution of convective cloud systems and their precipitation: A numerical study based on the COPS observations on 12 August 2007. Atmospheric Research, 2010, 98, 40-56.	4.1	16
23	Simultaneous X-band and K-band study of precipitation to derive specific Z-R relationships. Atmospheric Research, 2009, 94, 596-605.	4.1	13
24	La campagne Cops : genèse et cycle de vie de la convection en région montagneuse. La Météorologie, 2009, 8, 32.	0.5	6
25	Precipitation and microphysical studies with a low cost high resolution X-band radar: an innovative project prospective. Advances in Geosciences, 0, 20, 25-32.	12.0	8