

Kwinten Van Weverberg

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

698
citations

840776

11
h-index

1199594

12
g-index

13
all docs

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docs citations

13
times ranked

1575
citing authors

#	ARTICLE	IF	CITATIONS
1	The Met Office Unified Model Global Atmosphere 7.0/7.1 and JULES Global Land 7.0 configurations. <i>Geoscientific Model Development</i> , 2019, 12, 1909-1963.	3.6	372
2	How well can a convection-permitting climate model reproduce decadal statistics of precipitation, temperature and cloud characteristics?. <i>Climate Dynamics</i> , 2016, 47, 3043-3061.	3.8	74
3	Sensitivity of Idealized Squall-Line Simulations to the Level of Complexity Used in Two-Moment Bulk Microphysics Schemes. <i>Monthly Weather Review</i> , 2012, 140, 1883-1907.	1.4	73
4	CAUSES: Diagnosis of the Summertime Warm Bias in CMIP5 Climate Models at the ARM Southern Great Plains Site. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2968-2992.	3.3	33
5	The Impact of Size Distribution Assumptions in a Bulk One-Moment Microphysics Scheme on Simulated Surface Precipitation and Storm Dynamics during a Low-Topped Supercell Case in Belgium. <i>Monthly Weather Review</i> , 2011, 139, 1131-1147.	1.4	29
6	Comparison of one-moment and two-moment bulk microphysics for high-resolution climate simulations of intense precipitation. <i>Atmospheric Research</i> , 2014, 147-148, 145-161.	4.1	25
7	Using regime analysis to identify the contribution of clouds to surface temperature errors in weather and climate models. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 3190-3206.	2.7	22
8	Sensitivity of quantitative precipitation forecast to soil moisture initialization and microphysics parametrization. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 978-996.	2.7	18
9	Evaluation of moist processes during intense precipitation in km-scale NWP models using remote sensing and in-situ data: Impact of microphysics size distribution assumptions. <i>Atmospheric Research</i> , 2011, 99, 15-38.	4.1	15
10	Towards retrieving critical relative humidity from ground-based remote sensing observations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 2867-2881.	2.7	15
11	Impact of Environmental Instability on Convective Precipitation Uncertainty Associated with the Nature of the Rimed Ice Species in a Bulk Microphysics Scheme. <i>Monthly Weather Review</i> , 2013, 141, 2841-2849.	1.4	11
12	The role of precipitation size distributions in km-scale NWP simulations of intense precipitation: evaluation of cloud properties and surface precipitation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 2163-2181.	2.7	9
13	Sensitivity of Cloud Radiative Effects to Cloud Fraction Parametrizations in Tropical, Mid-Latitude and Arctic Kilometre-scale Simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 0, , .	2.7	2