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List of Publications by Year
in descending order

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36 papers	1,972 citations	279487 23 h-index	377514 34 g-index
38 all docs	38 docs citations	38 times ranked	2295 citing authors

#	Article	IF	Citations
1	Reducing the spinâ€up of a regional NWP system withoutÂdata assimilation. Quarterly Journal of the Royal Meteorological Society, 2022, 148, 1623-1643.	1.0	12
2	Sensitivity of the 2018 UK summer heatwave to local sea temperatures and soil moisture. Atmospheric Science Letters, 2020, 21, e948.	0.8	15
3	The first Met Office Unified Modelâ€"JULES Regional Atmosphere and Land configuration, RAL1. Geoscientific Model Development, 2020, 13, 1999-2029.	1.3	96
4	Evaluating the impact of atmospheric forcing and airâ€"sea coupling on near-coastal regional ocean prediction. Ocean Science, 2019, 15, 761-778.	1.3	9
5	Drivers of the UK summer heatwave of 2018. Weather, 2019, 74, 390-396.	0.6	46
6	How Well Can the Met Office Unified Model Forecast Tropical Cyclones in the Western North Pacific?. Weather and Forecasting, 2018, 33, 185-201.	0.5	17
7	CAUSES: Diagnosis of the Summertime Warm Bias in CMIP5 Climate Models at the ARM Southern Great Plains Site. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2968-2992.	1.2	33
8	CAUSES: Attribution of Surface Radiation Biases in NWP and Climate Models near the U.S. Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3612-3644.	1.2	62
9	Introduction to CAUSES: Description of Weather and Climate Models and Their Nearâ€Surface Temperature Errors in 5Âday Hindcasts Near the Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2655-2683.	1.2	53
10	CAUSES: On the Role of Surface Energy Budget Errors to the Warm Surface Air Temperature Error Over the Central United States. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2888-2909.	1.2	60
11	Moist convection and its upscale effects in simulations of the Indian monsoon with explicit and parametrized convection. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1073-1085.	1.0	41
12	Vertical Structure and Diabatic Processes of the Madden-Julian Oscillation. World Scientific Series on Asia-Pacific Weather and Climate, 2017, , 161-172.	0.2	0
13	Vertical structure and physical processes of the Maddenâ€Julian oscillation: Exploring key model physics in climate simulations. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4718-4748.	1.2	332
14	Vertical structure and physical processes of the Maddenâ€Julian Oscillation: Biases and uncertainties at short range. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4749-4763.	1.2	26
15	Vertical structure and physical processes of the Maddenâ€Julian oscillation: Synthesis and summary. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4671-4689.	1.2	58
16	Using regime analysis to identify the contribution of clouds to surface temperature errors in weather and climate models. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 3190-3206.	1.0	22
17	Vertical structure and physical processes of the Maddenâ€Julian oscillation: Linking hindcast fidelity to simulated diabatic heating and moistening. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4690-4717.	1.2	63
18	Evaluation of intercomparisons of four different types of model simulating <scp>TWPâ€ICE</scp>. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 826-837.	1.0	18

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19	A singleâ€column model ensemble approach applied to the TWPâ€ICE experiment. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6544-6563.	1.2	33
20	Diagnosis of regimeâ€dependent cloud simulation errors in CMIP5 models using â€œAâ€Trainâ€•satellite observations and reanalysis data. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2762-2780.	1.2	90
21	TWPâ€ICE global atmospheric model intercomparison: Convection responsiveness and resolution impact. Journal of Geophysical Research, 2012, 117, .	3.3	38
22	A limited area model (LAM) intercomparison study of a TWP-ICE active monsoon mesoscale convective event. Journal of Geophysical Research, 2012, 117, n/a-n/a.	3.3	27
23	Parametrizing the horizontal inhomogeneity of ice water content using CloudSat data products. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1784-1793.	1.0	20
24	Evaluation of two cloud parametrization schemes using ARM and Cloudâ€Net observations. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 964-979.	1.0	33
25	Analysis of prognostic cloud scheme increments in a climate model. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 2061-2073.	1.0	15
26	Two fast radiative transfer methods to improve the temporal sampling of clouds in numerical weather prediction and climate models. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 457-468.	1.0	47
27	Deep Convective Clouds. , 2009, , 197-216.		4
28	Cloud-controlling Factors. , 2009, , 269-290.		2
29	Differences in the lower troposphere in twoâ€•and threeâ€dimensional cloudâ€resolving model simulations of deep convection. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 1941-1946.	1.0	23
30	Modelling suppressed and active convection. Comparing a numerical weather prediction, cloudâ€resolving and singleâ€column model. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 1087-1100.	1.0	34
31	Daytime convective development over land: A model intercomparison based on LBA observations. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 317-344.	1.0	160
32	Sensitivity studies of developing convection in a cloud-resolving model. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 345-358.	1.0	63
33	The predictability of deep convection in cloud-resolving simulations over land. Quarterly Journal of the Royal Meteorological Society, 2004, 130, 3173-3187.	1.0	14
34	Intercomparison and evaluation of cumulus parametrizations under summertime midlatitude continental conditions. Quarterly Journal of the Royal Meteorological Society, 2002, 128, 1095-1135.	1.0	119
35	An intercomparison of cloud-resolving models with the Atmospheric Radiation Measurement summer 1997 Intensive Observation Period data. Quarterly Journal of the Royal Meteorological Society, 2002, 128, 593-624.	1.0	192
36	Sensitivity studies using a cloud-resolving model simulation of the tropical west Pacific. Quarterly Journal of the Royal Meteorological Society, 2001, 127, 2287-2306.	1.0	69