

Daniel Mccoy

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,497
citations

394421

19
h-index

580821

25
g-index

44
all docs

44
docs citations

44
times ranked

3347
citing authors

#	ARTICLE	IF	CITATIONS
1	Causes of Higher Climate Sensitivity in CMIP6 Models. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085782.	4.0	759
2	Bounding Global Aerosol Radiative Forcing of Climate Change. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000660.	23.0	424
3	Remote Sensing of Droplet Number Concentration in Warm Clouds: A Review of the Current State of Knowledge and Perspectives. <i>Reviews of Geophysics</i> , 2018, 56, 409-453.	23.0	185
4	Natural aerosols explain seasonal and spatial patterns of Southern Ocean cloud albedo. <i>Science Advances</i> , 2015, 1, e1500157.	10.3	144
5	Mixed-phase cloud physics and Southern Ocean cloud feedback in climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9539-9554.	3.3	120
6	On the relationships among cloud cover, mixed-phase partitioning, and planetary albedo in GCMs. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 650-668.	3.8	120
7	Improved Aerosol Processes and Effective Radiative Forcing in HadGEM3 and UKESM1. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2786-2805.	3.8	106
8	The global aerosol-cloud first indirect effect estimated using MODIS, MERRA, and AeroCom. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1779-1796.	3.3	81
9	Observed Southern Ocean Cloud Properties and Shortwave Reflection. Part II: Phase Changes and Low Cloud Feedback*. <i>Journal of Climate</i> , 2014, 27, 8858-8868.	3.2	61
10	Observational evidence for a negative shortwave cloud feedback in middle to high latitudes. <i>Geophysical Research Letters</i> , 2016, 43, 1331-1339.	4.0	60
11	The Change in Low Cloud Cover in a Warmed Climate Inferred from AIRS, MODIS, and ERA-Interim. <i>Journal of Climate</i> , 2017, 30, 3609-3620.	3.2	56
12	The hemispheric contrast in cloud microphysical properties constrains aerosol forcing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18998-19006.	7.1	51
13	Observed Southern Ocean Cloud Properties and Shortwave Reflection. Part I: Calculation of SW Flux from Observed Cloud Properties*. <i>Journal of Climate</i> , 2014, 27, 8836-8857.	3.2	47
14	Predicting decadal trends in cloud droplet number concentration using reanalysis and satellite data. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2035-2047.	4.9	44
15	Opportunistic experiments to constrain aerosol effective radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 641-674.	4.9	44
16	Assessment of aerosol-cloud-radiation correlations in satellite observations, climate models and reanalysis. <i>Climate Dynamics</i> , 2019, 52, 4371-4392.	3.8	35
17	Observations of a substantial cloud-aerosol indirect effect during the 2014-2015 Bárðarbunga-Eiðfjallajökull fissure eruption in Iceland. <i>Geophysical Research Letters</i> , 2015, 42, 10,409.	4.0	34
18	Aerosol midlatitude cyclone indirect effects in observations and high-resolution simulations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5821-5846.	4.9	28

#	ARTICLE	IF	CITATIONS
19	Untangling causality in midlatitude aerosol–cloud adjustments. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4085-4103.	4.9	25
20	The impact of sampling strategy on the cloud droplet number concentration estimated from satellite data. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3875-3892.	3.1	15
21	Cloud feedbacks in extratropical cyclones: insight from long-term satellite data and high-resolution global simulations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1147-1172.	4.9	12
22	A Regime-Oriented Approach to Observationally Constraining Extratropical Shortwave Cloud Feedbacks. <i>Journal of Climate</i> , 2020, 33, 9967-9983.	3.2	12
23	Liquid Phase Cloud Microphysical Property Estimates From CALIPSO Measurements. <i>Frontiers in Remote Sensing</i> , 2021, 2, .	3.5	8
24	Extratropical Shortwave Cloud Feedbacks in the Context of the Global Circulation and Hydrological Cycle. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
25	Mixed-Phase Cloud Feedbacks. , 2018, , 215-236.		7
26	Rheological complexity in simple chain models. <i>Journal of Chemical Physics</i> , 2008, 128, 184905.	3.0	6