

Mark Branson

List of Publications by Year in descending order

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26
papers

988
citations

430874

18
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1405
citing authors

#	ARTICLE	IF	CITATIONS
1	Clouds and Convective Self-Aggregation in a Multimodel Ensemble of Radiative-Convective Equilibrium Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002138.	3.8	86
2	MJO Intensification with Warming in the Superparameterized CESM. <i>Journal of Climate</i> , 2015, 28, 2706-2724.	3.2	74
3	Intraseasonal Variability in Coupled GCMs: The Roles of Ocean Feedbacks and Model Physics. <i>Journal of Climate</i> , 2014, 27, 4970-4995.	3.2	70
4	Simulations of midlatitude frontal clouds by single-column and cloud-resolving models during the Atmospheric Radiation Measurement March 2000 cloud intensive operational period. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	66
5	Vertically resolved weak temperature gradient analysis of the MJO oscillation in CESM. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1586-1619.	3.8	65
6	Robust effects of cloud superparameterization on simulated daily rainfall intensity statistics across multiple versions of the Community Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 140-165.	3.8	64
7	Dark Warming. <i>Journal of Climate</i> , 2016, 29, 705-719.	3.2	63
8	Clouds and Snowball Earth deglaciation. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	60
9	Modeling springtime shallow frontal clouds with cloud-resolving and single-column models. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	51
10	Impact of Evapotranspiration on Dry Season Climate in the Amazon Forest*. <i>Journal of Climate</i> , 2014, 27, 574-591.	3.2	45
11	Simulations of the Tropical General Circulation with a Multiscale Global Model. <i>Meteorological Monographs</i> , 2016, 56, 15.1-15.15.	5.0	42
12	Climate change and the MJO oscillation: A vertically resolved weak temperature gradient analysis. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 307-331.	3.8	42
13	Robust elements of Snowball Earth atmospheric circulation and oases for life. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6017-6027.	3.3	39
14	Role of deep soil moisture in modulating climate in the Amazon rainforest. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	33
15	Interactions between Moisture and Tropical Convection. Part I: The Coevolution of Moisture and Convection. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 1783-1799.	1.7	33
16	Initial Results From the Superparameterized E3SM. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001863.	3.8	28
17	Effects of explicit atmospheric convection at high CO ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10943-10948.	7.1	24
18	Impacts of cloud superparameterization on projected daily rainfall intensity climate changes in multiple versions of the Community Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1727-1750.	3.8	23

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19	A Community Atmosphere Model With Superparameterized Clouds. <i>Eos</i> , 2013, 94, 221-222.	0.1	15
20	Interactions between Moisture and Tropical Convection. Part II: The Convective Coupling of Equatorial Waves. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 1801-1819.	1.7	15
21	Multiple-Instance Superparameterization: 2. The Effects of Stochastic Convection on the Simulated Climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3521-3544.	3.8	12
22	Understanding the Response of Tropical Ascent to Warming Using an Energy Balance Framework. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002056.	3.8	11
23	Multiple-Instance Superparameterization: 1. Concept, and Predictability of Precipitation. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3497-3520.	3.8	9
24	Microphysical variability of Amazonian deep convective cores observed by CloudSat and simulated by a multi-scale modeling framework. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6493-6510.	4.9	8
25	Surface-Atmosphere Coupling Scale, the Fate of Water, and Ecophysiological Function in a Brazilian Forest. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2523-2546.	3.8	6
26	Ocean Surface Flux Algorithm Effects on Tropical Indo-Pacific Intraseasonal Precipitation. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4