

Mark Branson

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Ocean Surface Flux Algorithm Effects on Tropical Indo-Pacific Intraseasonal Precipitation. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 4 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Initial Results From the Superparameterized E3SM. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001863. | 3.8 | 28 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Climate change and the Madden-Julian oscillation: A vertically resolved weak temperature gradient analysis. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 307-331. | 3.8 | 42 |
| 12 | Simulations of the Tropical General Circulation with a Multiscale Global Model. <i>Meteorological Monographs</i> , 2016, 56, 15.1-15.15. | 5.0 | 42 |
| 13 | Vertically resolved weak temperature gradient analysis of the Madden-Julian oscillation in CESM. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1586-1619. | 3.8 | 65 |
| 14 | 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 |
| 15 | 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 |
| 16 | Dark Warming. <i>Journal of Climate</i> , 2016, 29, 705-719. | 3.2 | 63 |
| 17 | MJO Intensification with Warming in the Superparameterized CESM. <i>Journal of Climate</i> , 2015, 28, 2706-2724. | 3.2 | 74 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Intraseasonal Variability in Coupled GCMs: The Roles of Ocean Feedbacks and Model Physics. Journal of Climate, 2014, 27, 4970-4995. | 3.2 | 70 |
| 20 | Impact of Evapotranspiration on Dry Season Climate in the Amazon Forest*. Journal of Climate, 2014, 27, 574-591. | 3.2 | 45 |
| 21 | Robust elements of Snowball Earth atmospheric circulation and oases for life. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6017-6027. | 3.3 | 39 |
| 22 | A Community Atmosphere Model With Superparameterized Clouds. Eos, 2013, 94, 221-222. | 0.1 | 15 |
| 23 | Clouds and Snowball Earth deglaciation. Geophysical Research Letters, 2012, 39, . | 4.0 | 60 |
| 24 | Role of deep soil moisture in modulating climate in the Amazon rainforest. Geophysical Research Letters, 2010, 37, . | 4.0 | 33 |
| 25 | Simulations of midlatitude frontal clouds by single-column and cloud-resolving models during the Atmospheric Radiation Measurement March 2000 cloud intensive operational period. Journal of Geophysical Research, 2005, 110, . | 3.3 | 66 |
| 26 | Modeling springtime shallow frontal clouds with cloud-resolving and single-column models. Journal of Geophysical Research, 2005, 110, . | 3.3 | 51 |