

Brian E J Rose

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,258
citations

567281

15
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1515
citing authors

#	ARTICLE	IF	CITATIONS
1	Snowball Earth climate dynamics and Cryogenian geology-geobiology. <i>Science Advances</i> , 2017, 3, e1600983.	10.3	424
2	The dependence of transient climate sensitivity and radiative feedbacks on the spatial pattern of ocean heat uptake. <i>Geophysical Research Letters</i> , 2014, 41, 1071-1078.	4.0	175
3	Climate Determinism Revisited: Multiple Equilibria in a Complex Climate Model. <i>Journal of Climate</i> , 2011, 24, 992-1012.	3.2	87
4	Ocean Heat Transport and Water Vapor Greenhouse in a Warm Equable Climate: A New Look at the Low Gradient Paradox. <i>Journal of Climate</i> , 2012, 26, 2117-2136.	3.2	60
5	Ocean Heat Transport, Sea Ice, and Multiple Climate States: Insights from Energy Balance Models. <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 2828-2843.	1.7	56
6	The Effects of Ocean Heat Uptake on Transient Climate Sensitivity. <i>Current Climate Change Reports</i> , 2016, 2, 190-201.	8.6	54
7	Ice Caps and Ice Belts: The Effects of Obliquity on Ice ² Albedo Feedback. <i>Astrophysical Journal</i> , 2017, 846, 28.	4.5	53
8	The tropical rain belts with an annual cycle and a continent model intercomparison project: TRACMIP. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1868-1891.	3.8	47
9	The Role of Oceans and Sea Ice in Abrupt Transitions between Multiple Climate States. <i>Journal of Climate</i> , 2013, 26, 2862-2879.	3.2	46
10	Stable "Waterbelt" climates controlled by tropical ocean heat transport: A nonlinear coupled climate mechanism of relevance to Snowball Earth. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1404-1423.	3.3	45
11	Increased Ocean Heat Convergence Into the High Latitudes With CO ₂ Doubling Enhances Polar Amplified Warming. <i>Geophysical Research Letters</i> , 2017, 44, 10,583.	4.0	44
12	Relative roles of surface temperature and climate forcing patterns in the inconstancy of radiative feedbacks. <i>Geophysical Research Letters</i> , 2017, 44, 7455-7463.	4.0	33
13	Decomposing the Drivers of Polar Amplification with a Single-Column Model. <i>Journal of Climate</i> , 2021, 34, 2355-2365.	3.2	28
14	CLIMLAB: a Python toolkit for interactive, process-oriented climate modeling. <i>Journal of Open Source Software</i> , 2018, 3, 659.	4.6	25
15	Precipitation from vertical motion: a statistical diagnostic scheme. <i>International Journal of Climatology</i> , 2003, 23, 903-919.	3.5	19
16	The Vertical Structure of Tropospheric Water Vapor: Comparing Radiative and Ocean-Driven Climate Changes. <i>Journal of Climate</i> , 2016, 29, 4251-4268.	3.2	15
17	Improved methods for estimating equilibrium climate sensitivity from transient warming simulations. <i>Climate Dynamics</i> , 2020, 54, 4515-4543.	3.8	11
18	The Dominant Contribution of Southern Ocean Heat Uptake to Time-Evolving Radiative Feedback in CESM. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093302.	4.0	11

#	ARTICLE	IF	CITATIONS
19	Exploring the Climatic Response to Wide Variations in Ocean Heat Transport on an Aquaplanet. <i>Journal of Climate</i> , 2018, 31, 6299-6318.	3.2	9
20	Stratospheric and Tropospheric Flux Contributions to the Polar Cap Energy Budgets. <i>Journal of Climate</i> , 2021, 34, 4261-4278.	3.2	8
21	Exploring Sources of Surface Bias in HRRR Using New York State Mesonet. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034989.	3.3	4
22	The Efficiency of the Hadley Cell Response to Wide Variations in Ocean Heat Transport. <i>Journal of Climate</i> , 2020, 33, 1643-1658.	3.2	4