

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 | Decomposing the Drivers of Polar Amplification with a Single-Column Model. <i>Journal of Climate</i> , 2021, 34, 2355-2365. | 3.2 | 28 |
| 2 | 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 |
| 3 | Stratospheric and Tropospheric Flux Contributions to the Polar Cap Energy Budgets. <i>Journal of Climate</i> , 2021, 34, 4261-4278. | 3.2 | 8 |
| 4 | 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 |
| 5 | Improved methods for estimating equilibrium climate sensitivity from transient warming simulations. <i>Climate Dynamics</i> , 2020, 54, 4515-4543. | 3.8 | 11 |
| 6 | 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 |
| 7 | 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 |
| 8 | CLIMLAB: a Python toolkit for interactive, process-oriented climate modeling. <i>Journal of Open Source Software</i> , 2018, 3, 659. | 4.6 | 25 |
| 9 | 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 |
| 10 | 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 |
| 11 | Ice Caps and Ice Belts: The Effects of Obliquity on Ice-Albedo Feedback. <i>Astrophysical Journal</i> , 2017, 846, 28. | 4.5 | 53 |
| 12 | Snowball Earth climate dynamics and Cryogenian geology-geobiology. <i>Science Advances</i> , 2017, 3, e1600983. | 10.3 | 424 |
| 13 | 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 |
| 14 | 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 |
| 15 | The Effects of Ocean Heat Uptake on Transient Climate Sensitivity. <i>Current Climate Change Reports</i> , 2016, 2, 190-201. | 8.6 | 54 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Climate Determinism Revisited: Multiple Equilibria in a Complex Climate Model. <i>Journal of Climate</i> , 2011, 24, 992-1012. | 3.2 | 87 |
| 21 | 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 |
| 22 | Precipitation from vertical motion: a statistical diagnostic scheme. <i>International Journal of Climatology</i> , 2003, 23, 903-919. | 3.5 | 19 |