

Robin Chadwick

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,836
citations

304743

22
h-index

276875

41
g-index

52
all docs

52
docs citations

52
times ranked

2630
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Revisiting mechanisms of the Mesoamerican Midsummer drought. <i>Climate Dynamics</i> , 2023, 60, 549-569. | 3.8 | 12 |
| 2 | How Do Regional Distributions of Daily Precipitation Change under Warming?. <i>Journal of Climate</i> , 2022, 35, 3243-3260. | 3.2 | 4 |
| 3 | Assessment of rainfall variability and future change in Brazil across multiple timescales. <i>International Journal of Climatology</i> , 2021, 41, E1875. | 3.5 | 29 |
| 4 | Effective Radiative Forcing in a GCM With Fixed Surface Temperatures. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033880. | 3.3 | 17 |
| 5 | Decomposition of projected summer rainfall change over East Asia based on timeslice experiments. <i>Climate Dynamics</i> , 2021, 56, 2531-2549. | 3.8 | 3 |
| 6 | High sensitivity of tropical precipitation to local sea surface temperature. <i>Nature</i> , 2021, 589, 408-414. | 27.8 | 24 |
| 7 | Increasing precipitation variability on daily-to-multiyear time scales in a warmer world. <i>Science Advances</i> , 2021, 7, . | 10.3 | 111 |
| 8 | Tropical Rainfall Linked to Stronger Future ENSO-NAO Teleconnection in CMIP5 Models. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088664. | 4.0 | 17 |
| 9 | Conceptual deconstruction of the simulated precipitation response to climate change. <i>Climate Dynamics</i> , 2020, 55, 613-630. | 3.8 | 2 |
| 10 | Influences of Local and Remote Conditions on Tropical Precipitation and Its Response to Climate Change. <i>Journal of Climate</i> , 2020, 33, 4045-4063. | 3.2 | 2 |
| 11 | Seasonally variant low cloud adjustment over cool oceans. <i>Climate Dynamics</i> , 2019, 52, 5801-5817. | 3.8 | 5 |
| 12 | Surface Warming and Atmospheric Circulation Dominate Rainfall Changes Over Tropical Rainforests Under Global Warming. <i>Geophysical Research Letters</i> , 2019, 46, 13410-13419. | 4.0 | 12 |
| 13 | Separating the Influences of Land Warming, the Direct CO ₂ Effect, the Plant Physiological Effect, and SST Warming on Regional Precipitation Changes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 624-640. | 3.3 | 40 |
| 14 | Responses of the Tropical Atmospheric Circulation to Climate Change and Connection to the Hydrological Cycle. <i>Annual Review of Earth and Planetary Sciences</i> , 2018, 46, 549-580. | 11.0 | 45 |
| 15 | Future Precipitation Projections over Central and Southern Africa and the Adjacent Indian Ocean: What Causes the Changes and the Uncertainty?. <i>Journal of Climate</i> , 2018, 31, 4807-4826. | 3.2 | 27 |
| 16 | Atmospheric Dynamics is the Largest Source of Uncertainty in Future Winter European Rainfall. <i>Journal of Climate</i> , 2018, 31, 963-977. | 3.2 | 41 |
| 17 | Diagnosing ENSO and Global Warming Tropical Precipitation Shifts Using Surface Relative Humidity and Temperature. <i>Journal of Climate</i> , 2018, 31, 1413-1433. | 3.2 | 12 |
| 18 | Diagnosing Changes of Winter NAO in Response to Different Climate Forcings in a Set of Atmosphere-Only Timeslice Experiments. <i>Atmosphere</i> , 2018, 9, 10. | 2.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | An ensemble of AMIP simulations with prescribed land surface temperatures. Geoscientific Model Development, 2018, 11, 3865-3881. | 3.6 | 12 |
| 20 | Causes of the Uncertainty in Projections of Tropical Terrestrial Rainfall Change: East Africa. Journal of Climate, 2018, 31, 5977-5995. | 3.2 | 30 |
| 21 | Landâ€œOcean Shifts in Tropical Precipitation Linked to Surface Temperature and Humidity Change. Journal of Climate, 2017, 30, 4527-4545. | 3.2 | 20 |
| 22 | The Role of Plant CO ₂ Physiological Forcing in Shaping Future Daily-Scale Precipitation. Journal of Climate, 2017, 30, 2319-2340. | 3.2 | 46 |
| 23 | Timeslice experiments for understanding regional climate projections: applications to the tropical hydrological cycle and European winter circulation. Climate Dynamics, 2017, 49, 3011-3029. | 3.8 | 38 |
| 24 | Sub-tropical drying explained. Nature Climate Change, 2017, 7, 10-11. | 18.8 | 2 |
| 25 | Examining the <sc>W</sc>est <sc>A</sc>frican <sc>M</sc>onsoon circulation response to atmospheric heating in a <sc>GCM</sc> dynamical core. Journal of Advances in Modeling Earth Systems, 2017, 9, 149-167. | 3.8 | 6 |
| 26 | The Cloud Feedback Model Intercomparison Project (CFMIP) contribution to CMIP6. Geoscientific Model Development, 2017, 10, 359-384. | 3.6 | 186 |
| 27 | nonlinMIP contribution to CMIP6: model intercomparison project for non-linear mechanisms: physical basis, experimental design and analysis principles (v1.0). Geoscientific Model Development, 2016, 9, 4019-4028. | 3.6 | 20 |
| 28 | Which Aspects of CO ₂ Forcing and SST Warming Cause Most Uncertainty in Projections of Tropical Rainfall Change over Land and Ocean?. Journal of Climate, 2016, 29, 2493-2509. | 3.2 | 37 |
| 29 | Idealized climate change simulations with a highâ€œresolution physical model: HadGEM3â€œGC2. Journal of Advances in Modeling Earth Systems, 2016, 8, 813-830. | 3.8 | 30 |
| 30 | Large differences in regional precipitation change between a first and second 2â€œK of global warming. Nature Communications, 2016, 7, 13667. | 12.8 | 31 |
| 31 | A Simple Moisture Advection Model of Specific Humidity Change over Land in Response to SST Warming. Journal of Climate, 2016, 29, 7613-7632. | 3.2 | 52 |
| 32 | Large rainfall changes consistently projected over substantial areas of tropical land. Nature Climate Change, 2016, 6, 177-181. | 18.8 | 181 |
| 33 | Understanding Uncertainties in Future Projections of Seasonal Tropical Precipitation. Journal of Climate, 2015, 28, 4390-4413. | 3.2 | 135 |
| 34 | Nonlinear regional warming with increasing CO ₂ concentrations. Nature Climate Change, 2015, 5, 138-142. | 18.8 | 55 |
| 35 | Surface warming patterns drive tropical rainfall pattern responses to CO ₂ forcing on all timescales. Geophysical Research Letters, 2014, 41, 610-615. | 4.0 | 94 |
| 36 | Asymmetries in tropical rainfall and circulation patterns in idealised CO ₂ removal experiments. Climate Dynamics, 2013, 40, 295-316. | 3.8 | 58 |

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|----|--|-----|-----------|
| 37 | Spatial Patterns of Precipitation Change in CMIP5: Why the Rich Do Not Get Richer in the Tropics. Journal of Climate, 2013, 26, 3803-3822. | 3.2 | 303 |
| 38 | Understanding nonlinear tropical precipitation responses to CO ₂ forcing. Geophysical Research Letters, 2013, 40, 4911-4915. | 4.0 | 24 |
| 39 | An Artificial Neural Network Approach to Multispectral Rainfall Estimation over Africa. Journal of Hydrometeorology, 2012, 13, 913-931. | 1.9 | 13 |
| 40 | An artificial neural network technique for downscaling GCM outputs to RCM spatial scale. Nonlinear Processes in Geophysics, 2011, 18, 1013-1028. | 1.3 | 46 |