

Rowan Sutton

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

5,121
citations

361413

20
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

6303
citing authors

#	ARTICLE	IF	CITATIONS
1	The Potential to Narrow Uncertainty in Regional Climate Predictions. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1095-1108.	3.3	1,936
2	The potential to narrow uncertainty in projections of regional precipitation change. <i>Climate Dynamics</i> , 2011, 37, 407-418.	3.8	784
3	Decadal Climate Prediction: An Update from the Trenches. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 243-267.	3.3	454
4	A Review of the Role of the Atlantic Meridional Overturning Circulation in Atlantic Multidecadal Variability and Associated Climate Impacts. <i>Reviews of Geophysics</i> , 2019, 57, 316-375.	23.0	298
5	Have Aerosols Caused the Observed Atlantic Multidecadal Variability?. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1135-1144.	1.7	282
6	Causes of the Rapid Warming of the North Atlantic Ocean in the Mid-1990s. <i>Journal of Climate</i> , 2012, 25, 4116-4134.	3.2	226
7	A reversal of climatic trends in the North Atlantic since 2005. <i>Nature Geoscience</i> , 2016, 9, 513-517.	12.9	174
8	Projections of when temperature change will exceed 2 °C above pre-industrial levels. <i>Nature Climate Change</i> , 2011, 1, 407-412.	18.8	151
9	Comment on "The Atlantic Multidecadal Oscillation without a role for ocean circulation". <i>Science</i> , 2016, 352, 1527-1527.	12.6	136
10	Atlantic overturning in decline?. <i>Nature Geoscience</i> , 2014, 7, 2-3.	12.9	124
11	Aerosol-Forced AMOC Changes in CMIP6 Historical Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088166.	4.0	85
12	Decadal Predictability of the Atlantic Ocean in a Coupled GCM: Forecast Skill and Optimal Perturbations Using Linear Inverse Modeling. <i>Journal of Climate</i> , 2009, 22, 3960-3978.	3.2	62
13	Connecting Climate Model Projections of Global Temperature Change with the Real World. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 963-980.	3.3	61
14	The Importance of Wind and Buoyancy Forcing for the Boundary Density Variations and the Geostrophic Component of the AMOC at 26°N. <i>Journal of Physical Oceanography</i> , 2014, 44, 2387-2408.	1.7	56
15	Challenges and opportunities for improved understanding of regional climate dynamics. <i>Nature Climate Change</i> , 2018, 8, 101-108.	18.8	56
16	Decadal predictions of the cooling and freshening of the North Atlantic in the 1960s and the role of ocean circulation. <i>Climate Dynamics</i> , 2014, 42, 2353-2365.	3.8	53
17	What does global mean temperature tell us about local climate?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140426.	3.4	53
18	Evaluating the potential for statistical decadal predictions of sea surface temperatures with a perfect model approach. <i>Climate Dynamics</i> , 2011, 37, 2495-2509.	3.8	51

#	ARTICLE	IF	CITATIONS
19	Predictable Climate Impacts of the Decadal Changes in the Ocean in the 1990s. Journal of Climate, 2013, 26, 6329-6339.	3.2	37
20	The Interpretation and Use of Biases in Decadal Climate Predictions. Journal of Climate, 2014, 27, 2931-2947.	3.2	23
21	Estimating Climatically Relevant Singular Vectors for Decadal Predictions of the Atlantic Ocean. Journal of Climate, 2011, 24, 109-123.	3.2	9
22	The Evaluation of the North Atlantic Climate System in UKESM1 Historical Simulations for CMIP6. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002126.	3.8	8
23	Challenges and opportunities for improved understanding of regional climate dynamics. , 0, .		1
24	Interactions between the stratospheric polar vortex and Atlantic circulation on seasonal to multi-decadal timescales. Atmospheric Chemistry and Physics, 2022, 22, 4867-4893.	4.9	1