

Laura C Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,928
citations

279798

23
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

2472
citing authors

#	ARTICLE	IF	CITATIONS
1	Global and European climate impacts of a slowdown of the AMOC in a high resolution GCM. <i>Climate Dynamics</i> , 2015, 45, 3299-3316.	3.8	185
2	Recent slowing of Atlantic overturning circulation as a recovery from earlier strengthening. <i>Nature Geoscience</i> , 2016, 9, 518-522.	12.9	148
3	Description of the resolution hierarchy of the global coupled HadGEM3-GC3.1 model as used in CMIP6 HighResMIP experiments. <i>Geoscientific Model Development</i> , 2019, 12, 4999-5028.	3.6	139
4	History matching for exploring and reducing climate model parameter space using observations and a large perturbed physics ensemble. <i>Climate Dynamics</i> , 2013, 41, 1703-1729.	3.8	132
5	Atlantic Meridional Overturning Circulation: Observed Transport and Variability. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	120
6	Stability of the Atlantic Meridional Overturning Circulation: A Review and Synthesis. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5336-5375.	2.6	109
7	Copernicus Marine Service Ocean State Report. <i>Journal of Operational Oceanography</i> , 2018, 11, S1-S142.	1.2	96
8	A Multimodel Study of Sea Surface Temperature and Subsurface Density Fingerprints of the Atlantic Meridional Overturning Circulation. <i>Journal of Climate</i> , 2013, 26, 9155-9174.	3.2	68
9	Pending recovery in the strength of the meridional overturning circulation at 26°N. <i>Ocean Science</i> , 2020, 16, 863-874.	3.4	65
10	Ocean Reanalyses: Recent Advances and Unsolved Challenges. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	63
11	Stable AMOC off state in an eddy-permitting coupled climate model. <i>Climate Dynamics</i> , 2016, 47, 2455-2470.	3.8	62
12	Sensitivity of the Atlantic Meridional Overturning Circulation to Model Resolution in CMIP6 HighResMIP Simulations and Implications for Future Changes. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002014.	3.8	59
13	The evolution of the North Atlantic Meridional Overturning Circulation since 1980. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 241-254.	29.7	58
14	The Mean State and Variability of the North Atlantic Circulation: A Perspective From Ocean Reanalyses. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 9141-9170.	2.6	55
15	Hysteresis and Resilience of the AMOC in an Eddy-permitting GCM. <i>Geophysical Research Letters</i> , 2018, 45, 8547-8556.	4.0	52
16	Reconciling the Relationship Between the AMOC and Labrador Sea in OSNAP Observations and Climate Models. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089793.	4.0	47
17	Impact of ocean resolution and mean state on the rate of AMOC weakening. <i>Climate Dynamics</i> , 2020, 55, 1711-1732.	3.8	45
18	Mechanisms of aerosol-forced AMOC variability in a state of the art climate model. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2087-2096.	2.6	44

#	ARTICLE	IF	CITATIONS
19	Density-compensated overturning in the Labrador Sea. <i>Nature Geoscience</i> , 2020, 13, 121-126.	12.9	40
20	Shutdown and recovery of the AMOC in a coupled global climate model: The role of the advective feedback. <i>Geophysical Research Letters</i> , 2013, 40, 1182-1188.	4.0	36
21	Basin bifurcations, oscillatory instability and rate-induced thresholds for Atlantic meridional overturning circulation in a global oceanic box model. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20190051.	2.1	36
22	Ocean and atmosphere feedbacks affecting AMOC hysteresis in a GCM. <i>Climate Dynamics</i> , 2017, 49, 173-191.	3.8	33
23	Multidecadal to Centennial Variability of the AMOC: HadCM3 and a Perturbed Physics Ensemble. <i>Journal of Climate</i> , 2013, 26, 2390-2407.	3.2	29
24	Extended warming of the northern high latitudes due to an overshoot of the Atlantic meridional overturning circulation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	25
25	Timescales of AMOC decline in response to fresh water forcing. <i>Climate Dynamics</i> , 2018, 51, 1333-1350.	3.8	24
26	Fingerprints for Early Detection of Changes in the AMOC. <i>Journal of Climate</i> , 2020, 33, 7027-7044.	3.2	23
27	Deep mixed ocean volume in the Labrador Sea in HighResMIP models. <i>Climate Dynamics</i> , 2021, 57, 1895-1918.	3.8	22
28	Observable, low-order dynamical controls on thresholds of the Atlantic meridional overturning circulation. <i>Climate Dynamics</i> , 2019, 53, 6815-6834.	3.8	21
29	Recent progress in understanding climate thresholds. <i>Progress in Physical Geography</i> , 2018, 42, 24-60.	3.2	18
30	Temperature domination of AMOC weakening due to freshwater hosing in two GCMs. <i>Climate Dynamics</i> , 2020, 54, 273-286.	3.8	17
31	Locations and Mechanisms of Ocean Ventilation in the High-Latitude North Atlantic in an Eddy-Permitting Ocean Model. <i>Journal of Climate</i> , 2020, 33, 10113-10131.	3.2	14
32	Response of the Atlantic meridional overturning circulation to a reversal of greenhouse gas increases. <i>Climate Dynamics</i> , 2014, 42, 3323-3336.	3.8	12
33	Explaining asymmetry between weakening and recovery of the AMOC in a coupled climate model. <i>Climate Dynamics</i> , 2019, 53, 67-79.	3.8	12
34	The sensitivity of the meridional overturning circulation to modelling uncertainty in a perturbed physics ensemble without flux adjustment. <i>Climate Dynamics</i> , 2012, 39, 277-285.	3.8	11