

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 | The evolution of the North Atlantic Meridional Overturning Circulation since 1980. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 241-254. | 29.7 | 58 |
| 2 | Deep mixed ocean volume in the Labrador Sea in HighResMIP models. <i>Climate Dynamics</i> , 2021, 57, 1895-1918. | 3.8 | 22 |
| 3 | Temperature domination of AMOC weakening due to freshwater hosing in two GCMs. <i>Climate Dynamics</i> , 2020, 54, 273-286. | 3.8 | 17 |
| 4 | Density-compensated overturning in the Labrador Sea. <i>Nature Geoscience</i> , 2020, 13, 121-126. | 12.9 | 40 |
| 5 | 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 |
| 6 | 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 |
| 7 | Impact of ocean resolution and mean state on the rate of AMOC weakening. <i>Climate Dynamics</i> , 2020, 55, 1711-1732. | 3.8 | 45 |
| 8 | Fingerprints for Early Detection of Changes in the AMOC. <i>Journal of Climate</i> , 2020, 33, 7027-7044. | 3.2 | 23 |
| 9 | 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 |
| 10 | Pending recovery in the strength of the meridional overturning circulation at 26°N. <i>Ocean Science</i> , 2020, 16, 863-874. | 3.4 | 65 |
| 11 | Ocean Reanalyses: Recent Advances and Unsolved Challenges. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 63 |
| 12 | Atlantic Meridional Overturning Circulation: Observed Transport and Variability. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 120 |
| 13 | 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 |
| 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 | Observable, low-order dynamical controls on thresholds of the Atlantic meridional overturning circulation. <i>Climate Dynamics</i> , 2019, 53, 6815-6834. | 3.8 | 21 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | Recent progress in understanding climate thresholds. <i>Progress in Physical Geography</i> , 2018, 42, 24-60. | 3.2 | 18 |
| 20 | Timescales of AMOC decline in response to fresh water forcing. <i>Climate Dynamics</i> , 2018, 51, 1333-1350. | 3.8 | 24 |
| 21 | Copernicus Marine Service Ocean State Report. <i>Journal of Operational Oceanography</i> , 2018, 11, S1-S142. | 1.2 | 96 |
| 22 | Hysteresis and Resilience of the AMOC in an Eddy-Permitting GCM. <i>Geophysical Research Letters</i> , 2018, 45, 8547-8556. | 4.0 | 52 |
| 23 | Ocean and atmosphere feedbacks affecting AMOC hysteresis in a GCM. <i>Climate Dynamics</i> , 2017, 49, 173-191. | 3.8 | 33 |
| 24 | Recent slowing of Atlantic overturning circulation as a recovery from earlier strengthening. <i>Nature Geoscience</i> , 2016, 9, 518-522. | 12.9 | 148 |
| 25 | Stable AMOC off state in an eddy-permitting coupled climate model. <i>Climate Dynamics</i> , 2016, 47, 2455-2470. | 3.8 | 62 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |