

Joel Hirschi

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

3,912
citations

249298

26
h-index

242451

47
g-index

60
all docs

60
docs citations

60
times ranked

4431
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaotic variability of the Atlantic meridional overturning circulation at sub-annual time scales. <i>Journal of Physical Oceanography</i> , 2022, , .	0.7	1
2	A regional (land+ocean) comparison of the seasonal to decadal variability of the Northern Hemisphere jet stream 1871+2011. <i>Climate Dynamics</i> , 2022, 59, 1897-1918.	1.7	12
3	FORTE 2.0: a fast, parallel and flexible coupled climate model. <i>Geoscientific Model Development</i> , 2021, 14, 275-293.	1.3	3
4	Wind-Driven Oscillations in Meridional Overturning Circulations near the Equator. Part II: Idealized Simulations. <i>Journal of Physical Oceanography</i> , 2021, 51, 663-683.	0.7	4
5	Increasing tropical cyclone intensity and potential intensity in the subtropical Atlantic around Bermuda from an ocean heat content perspective 1955+2019. <i>Environmental Research Letters</i> , 2021, 16, 034052.	2.2	11
6	Labrador Sea subsurface density as a precursor of multidecadal variability in the North Atlantic: a multi-model study. <i>Earth System Dynamics</i> , 2021, 12, 419-438.	2.7	13
7	Evaluating the physical and biogeochemical state of the global ocean component of UKESM1 in CMIP6 historical simulations. <i>Geoscientific Model Development</i> , 2021, 14, 3437-3472.	1.3	25
8	Western boundary circulation and coastal sea-level variability in Northern Hemisphere oceans. <i>Ocean Science</i> , 2021, 17, 1449-1471.	1.3	10
9	Spin-up of UK Earth System Model 1 (UKESM1) for CMIP6. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001933.	1.3	25
10	The Atlantic Meridional Overturning Circulation in High-Resolution Models. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015522.	1.0	75
11	Re-emergence of North Atlantic subsurface ocean temperature anomalies in a seasonal forecast system. <i>Climate Dynamics</i> , 2019, 53, 4799-4820.	1.7	5
12	Loop Current Variability as Trigger of Coherent Gulf Stream Transport Anomalies. <i>Journal of Physical Oceanography</i> , 2019, 49, 2115-2132.	0.7	14
13	Ocean precursors to the extreme Atlantic 2017 hurricane season. <i>Nature Communications</i> , 2019, 10, 896.	5.8	14
14	The Recent Atlantic Cold Anomaly: Causes, Consequences, and Related Phenomena. <i>Annual Review of Marine Science</i> , 2018, 10, 475-501.	5.1	82
15	The impact of resolving the Rossby radius at mid-latitudes in the ocean: results from a high-resolution version of the Met Office GC2 coupled model. <i>Geoscientific Model Development</i> , 2016, 9, 3655-3670.	1.3	61
16	Drivers of exceptionally cold North Atlantic Ocean temperatures and their link to the 2015 European heat wave. <i>Environmental Research Letters</i> , 2016, 11, 074004.	2.2	122
17	Ocean impact on decadal Atlantic climate variability revealed by sea-level observations. <i>Nature</i> , 2015, 521, 508-510.	13.7	282
18	Historical analogues of the recent extreme minima observed in the Atlantic meridional overturning circulation at 26+N. <i>Climate Dynamics</i> , 2015, 44, 457-473.	1.7	50

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19	Intrinsic Variability of the Atlantic Meridional Overturning Circulation at Interannual-to-Multidecadal Time Scales. <i>Journal of Physical Oceanography</i> , 2015, 45, 1929-1946.	0.7	57
20	The North Atlantic subpolar circulation in an eddy-resolving global ocean model. <i>Journal of Marine Systems</i> , 2015, 142, 126-143.	0.9	145
21	North Atlantic SST Anomalies and the Cold North European Weather Events of Winter 2009/10 and December 2010. <i>Monthly Weather Review</i> , 2014, 142, 922-932.	0.5	53
22	Seasonal to interannual variability in density around the Canary Islands and their influence on the Atlantic meridional overturning circulation at 26°N. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1843-1860.	1.0	33
23	Asymmetric response of European pressure and temperature anomalies to <sc>NAO</sc> positive and <sc>NAO</sc> negative winters. <i>Weather</i> , 2013, 68, 73-80.	0.6	13
24	On the Near-Inertial Resonance of the Atlantic Meridional Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2013, 43, 2661-2672.	0.7	7
25	Large near-inertial oscillations of the Atlantic meridional overturning circulation. <i>Ocean Modelling</i> , 2012, 42, 50-56.	1.0	29
26	Mountain ranges favour vigorous Atlantic meridional overturning. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	36
27	Re-emerging ocean temperature anomalies in late-2010 associated with a repeat negative NAO. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	59
28	Continuous, Array-Based Estimates of Atlantic Ocean Heat Transport at 26.5°N. <i>Journal of Climate</i> , 2011, 24, 2429-2449.	1.2	352
29	Monitoring the Atlantic meridional overturning circulation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1744-1753.	0.6	135
30	State of the Climate in 2010. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, S1-S236.	1.7	135
31	Seasonal Variability of the Atlantic Meridional Overturning Circulation at 26.5°N. <i>Journal of Climate</i> , 2010, 23, 5678-5698.	1.2	270
32	Sea Surface Height Signals as Indicators for Oceanic Meridional Mass Transports. <i>Journal of Physical Oceanography</i> , 2009, 39, 581-601.	0.7	17
33	Basinwide Integrated Volume Transports in an Eddy-Filled Ocean. <i>Journal of Physical Oceanography</i> , 2009, 39, 3091-3110.	0.7	91
34	Recent changes in the North Atlantic circulation simulated with eddy-permitting and eddy-resolving ocean models. <i>Ocean Modelling</i> , 2009, 28, 226-239.	1.0	40
35	Reconstructing the Meridional Overturning Circulation from Boundary Densities and the Zonal Wind Stress. <i>Journal of Physical Oceanography</i> , 2007, 37, 743-763.	0.7	74
36	Subannual, Seasonal, and Interannual Variability of the North Atlantic Meridional Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2007, 37, 1246-1265.	0.7	69

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37	The Influence of Diapycnal Mixing on Quasi-Steady Overturning States in the Indian Ocean. <i>Journal of Physical Oceanography</i> , 2007, 37, 2290-2304.	0.7	9
38	Temporal Variability of the Atlantic Meridional Overturning Circulation at 26.5°N. <i>Science</i> , 2007, 317, 935-938.	6.0	718
39	Observed Flow Compensation Associated with the MOC at 26.5°N in the Atlantic. <i>Science</i> , 2007, 317, 938-941.	6.0	205
40	Atlantic Meridional Overturning Circulation During the Last Glacial Maximum. <i>Science</i> , 2007, 316, 66-69.	6.0	322
41	Negative NAO and cold Eurasian winters: how exceptional was the winter of 1962/1963?. <i>Weather</i> , 2007, 62, 43-48.	0.6	22
42	Global warming and changes of continentality since 1948. <i>Weather</i> , 2007, 62, 215-221.	0.6	8
43	Monitoring the meridional overturning circulation in the North Atlantic: A model-based array design study. <i>Journal of Marine Research</i> , 2004, 62, 283-312.	0.3	79
44	Observed changes in the South Indian Ocean gyre circulation, 1987–2002. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	17
45	A monitoring design for the Atlantic meridional overturning circulation. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	90
46	Rapid changes of the oceanic circulation in a hierarchy of ocean models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2002, 54, 273-287.	0.8	3
47	Rapid changes of the oceanic circulation in a hierarchy of ocean models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2002, 54, 273-287.	0.8	4
48	Intermittent convection, mixed boundary conditions and the stability of the thermohaline circulation. <i>Climate Dynamics</i> , 1999, 15, 277-291.	1.7	7