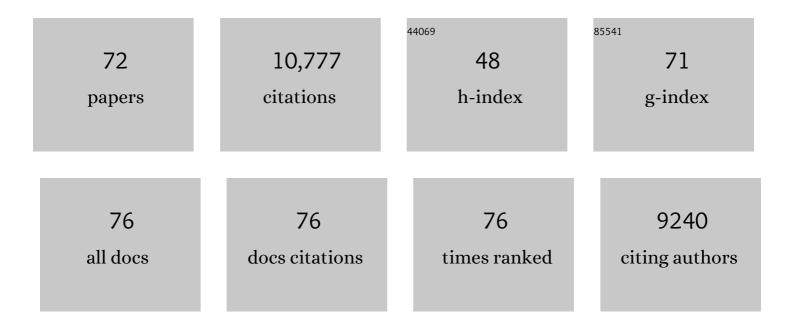
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	GFDL's CM2 Global Coupled Climate Models. Part I: Formulation and Simulation Characteristics. Journal of Climate, 2006, 19, 643-674.	3.2	1,431
2	Ice Age Terminations. Science, 2009, 326, 248-252.	12.6	794
3	Impact of Atlantic multidecadal oscillations on India/Sahel rainfall and Atlantic hurricanes. Geophysical Research Letters, 2006, 33, .	4.0	728
4	Simulated Tropical Response to a Substantial Weakening of the Atlantic Thermohaline Circulation. Journal of Climate, 2005, 18, 1853-1860.	3.2	673
5	Simulated Climate and Climate Change in the GFDL CM2.5 High-Resolution Coupled Climate Model. Journal of Climate, 2012, 25, 2755-2781.	3.2	454
6	Enhanced warming of the <scp>N</scp> orthwest <scp>A</scp> tlantic <scp>O</scp> cean under climate change. Journal of Geophysical Research: Oceans, 2016, 121, 118-132.	2.6	348
7	Formulation of an ocean model for global climate simulations. Ocean Science, 2005, 1, 45-79.	3.4	343
8	A Review of the Role of the Atlantic Meridional Overturning Circulation in Atlantic Multidecadal Variability and Associated Climate Impacts. Reviews of Geophysics, 2019, 57, 316-375.	23.0	298
9	Impacts on Ocean Heat from Transient Mesoscale Eddies in a Hierarchy of Climate Models. Journal of Climate, 2015, 28, 952-977.	3.2	292
10	Have Aerosols Caused the Observed Atlantic Multidecadal Variability?. Journals of the Atmospheric Sciences, 2013, 70, 1135-1144.	1.7	282
11	Liquid-Liquid Phase Transition: Evidence from Simulations. Physical Review Letters, 1997, 78, 2409-2412.	7.8	270
12	GFDL's CM2 Global Coupled Climate Models. Part II: The Baseline Ocean Simulation. Journal of Climate, 2006, 19, 675-697.	3.2	269
13	Coherent surfaceâ€subsurface fingerprint of the Atlantic meridional overturning circulation. Geophysical Research Letters, 2008, 35, .	4.0	258
14	Structure and Performance of GFDL's CM4.0 Climate Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 3691-3727.	3.8	242
15	Explaining Extreme Events of 2012 from a Climate Perspective. Bulletin of the American Meteorological Society, 2013, 94, S1-S74.	3.3	229
16	Impact of the Atlantic Multidecadal Oscillation on North Pacific climate variability. Geophysical Research Letters, 2007, 34, .	4.0	217
17	The North Atlantic Oscillation as a driver of rapid climate change in the Northern Hemisphere. Nature Geoscience, 2016, 9, 509-512.	12.9	197
18	The GFDL Global Ocean and Sea Ice Model OM4.0: Model Description and Simulation Features. Journal of Advances in Modeling Earth Systems, 2019, 11, 3167-3211.	3.8	195

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19	Can the Atlantic Ocean drive the observed multidecadal variability in Northern Hemisphere mean temperature?. Geophysical Research Letters, 2007, 34, .	4.0	167
20	Mechanisms for low-frequency variability of summer Arctic sea ice extent. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4570-4575.	7.1	146
21	Fram Strait sea ice export variability and September Arctic sea ice extent over the last 80 years. Cryosphere, 2017, 11, 65-79.	3.9	141
22	Impact of the Atlantic Meridional Overturning Circulation (AMOC) on Arctic Surface Air Temperature and Sea Ice Variability. Journal of Climate, 2011, 24, 6573-6581.	3.2	138
23	Oceanic link between abrupt changes inÂthe North Atlantic Ocean and theÂAfricanÂmonsoon. Nature Geoscience, 2008, 1, 444-448.	12.9	136
24	Comment on "The Atlantic Multidecadal Oscillation without a role for ocean circulation― Science, 2016, 352, 1527-1527.	12.6	136
25	Latitudinal dependence of Atlantic meridional overturning circulation (AMOC) variations. Geophysical Research Letters, 2010, 37, .	4.0	130
26	The Central Role of Ocean Dynamics in Connecting the North Atlantic Oscillation to the Extratropical Component of the Atlantic Multidecadal Oscillation. Journal of Climate, 2017, 30, 3789-3805.	3.2	122
27	The Role of Bottom Vortex Stretching on the Path of the North Atlantic Western Boundary Current and on the Northern Recirculation Gyre. Journal of Physical Oceanography, 2007, 37, 2053-2080.	1.7	108
28	Large fluctuations of dissolved oxygen in the Indian and Pacific oceans during Dansgaardâ€Oeschger oscillations caused by variations of North Atlantic Deep Water subduction. Paleoceanography, 2007, 22, .	3.0	104
29	Anticorrelated multidecadal variations between surface and subsurface tropical North Atlantic. Geophysical Research Letters, 2007, 34, .	4.0	102
30	On the persistence and coherence of subpolar sea surface temperature and salinity anomalies associated with the Atlantic multidecadal variability. Geophysical Research Letters, 2017, 44, 7865-7875.	4.0	100
31	A Predictable AMO-Like Pattern in the GFDL Fully Coupled Ensemble Initialization and Decadal Forecasting System. Journal of Climate, 2013, 26, 650-661.	3.2	97
32	Muted change in Atlantic overturning circulation over some glacial-aged Heinrich events. Nature Geoscience, 2014, 7, 144-150.	12.9	94
33	Aerosolâ€Forced AMOC Changes in CMIP6 Historical Simulations. Geophysical Research Letters, 2020, 47, e2020GL088166.	4.0	85
34	Predicting a Decadal Shift in North Atlantic Climate Variability Using the GFDL Forecast System. Journal of Climate, 2014, 27, 6472-6496.	3.2	84
35	On the Path of the Gulf Stream and the Atlantic Meridional Overturning Circulation. Journal of Climate, 2010, 23, 3146-3154.	3.2	82
36	Underestimated AMOC Variability and Implications for AMV and Predictability in CMIP Models. Geophysical Research Letters, 2018, 45, 4319-4328.	4.0	78

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37	The necessity of cloud feedback for a basinâ€scale Atlantic Multidecadal Oscillation. Geophysical Research Letters, 2016, 43, 3955-3963.	4.0	74
38	On the observed relationship between the Pacific Decadal Oscillation and the Atlantic Multi-decadal Oscillation. Journal of Oceanography, 2011, 67, 27-35.	1.7	73
39	Could the Late Permian deep ocean have been anoxic?. Paleoceanography, 2001, 16, 317-329.	3.0	72
40	Sensitivity of the North Atlantic Ocean Circulation to an abrupt change in the Nordic Sea overflow in a high resolution global coupled climate model. Journal of Geophysical Research, 2011, 116, .	3.3	67
41	On the discrepancy between observed and CMIP5 multi-model simulated Barents Sea winter sea ice decline. Nature Communications, 2017, 8, 14991.	12.8	63
42	Impact of Great Salinity Anomalies on the Low-Frequency Variability of the North Atlantic Climate. Journal of Climate, 2006, 19, 470-482.	3.2	62
43	The role of Atlantic overturning circulation in the recent decline of Atlantic major hurricane frequency. Nature Communications, 2017, 8, 1695.	12.8	60
44	Sensitivity of Climate Change Induced by the Weakening of the Atlantic Meridional Overturning Circulation to Cloud Feedback. Journal of Climate, 2010, 23, 378-389.	3.2	59
45	Decadal to centennial variability of the Atlantic from observations and models. Geophysical Monograph Series, 2007, , 131-148.	0.1	58
46	Multiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitations. Journal of Climate, 2013, 26, 5337-5357.	3.2	57
47	On the evolution of Atlantic Meridional Overturning Circulation Fingerprint and implications for decadal predictability in the North Atlantic. Geophysical Research Letters, 2015, 42, 5419-5426.	4.0	57
48	Global seiching of thermocline waters between the Atlantic and the Indian-Pacific Ocean Basins. Geophysical Research Letters, 2004, 31, .	4.0	54
49	Prospects for a prolonged slowdown in global warming in the early 21st century. Nature Communications, 2016, 7, 13676.	12.8	44
50	Local and Downstream Relationships between Labrador Sea Water Volume and North Atlantic Meridional Overturning Circulation Variability. Journal of Climate, 2019, 32, 3883-3898.	3.2	41
51	Cooperative molecular motions in water: The liquid-liquid critical point hypothesis. Physica A: Statistical Mechanics and Its Applications, 1997, 236, 19-37.	2.6	39
52	A Multivariate AMV Index and Associated Discrepancies Between Observed and CMIP5 Externally Forced AMV. Geophysical Research Letters, 2019, 46, 4421-4431.	4.0	36
53	Observed and Simulated Fingerprints of Multidecadal Climate Variability and Their Contributions to Periods of Global SST Stagnation. Journal of Climate, 2017, 30, 721-737.	3.2	32
54	Dynamic millennialâ€scale climate changes in the northwestern Pacific over the past 40,000 years. Geophysical Research Letters, 2010, 37, .	4.0	27

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55	On the interpretation of Caribbean paleoâ€ŧemperature reconstructions during the Younger Dryas. Geophysical Research Letters, 2009, 36, .	4.0	26
56	Impact of the Atlantic meridional overturning circulation on the decadal variability of the Gulf Stream path and regional chlorophyll and nutrient concentrations. Geophysical Research Letters, 2015, 42, 9889-9887.	4.0	26
57	Western Pacific thermocline structure and the Pacific marine Intertropical Convergence Zone during the Last Glacial Maximum. Earth and Planetary Science Letters, 2013, 363, 133-143.	4.4	25
58	Predicting Atlantic meridional overturning circulation (AMOC) variations using subsurface and surface fingerprints. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1895-1903.	1.4	23
59	Horizontal circulation across density surfaces contributes substantially to the long-term mean northern Atlantic Meridional Overturning Circulation. Communications Earth & Environment, 2021, 2, .	6.8	21
60	Climate Sensitivity of GFDL's CM4.0. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001838.	3.8	17
61	A new method for attributing climate variations over the Atlantic Hurricane Basin's main development region. Geophysical Research Letters, 2009, 36, .	4.0	14
62	North Atlantic Multi-Decadal Variability — Mechanisms and Predictability. World Scientific Series on Asia-Pacific Weather and Climate, 2015, , 141-157.	0.2	13
63	Comparison of Mechanisms for Low-Frequency Variability of Summer Arctic Sea Ice in Three Coupled Models. Journal of Climate, 2018, 31, 1205-1226.	3.2	12
64	Impact of climate warming on upper layer of the Bering Sea. Climate Dynamics, 2013, 40, 327-340.	3.8	11
65	Mechanisms of Thermohaline Mode Switching with Application to Warm Equable Climates. Journal of Climate, 2002, 15, 2056-2072.	3.2	10
66	Comment on "Multiyear Prediction of Monthly Mean Atlantic Meridional Overturning Circulation at 26.5°N― Science, 2012, 338, 604-604.	12.6	8
67	Reply to Comment by Roberta M. Hotinski, Lee R. Kump, and Karen L. Bice on "Could the Late Permian deep ocean have been anoxic?― Paleoceanography, 2003, 18, n/a-n/a.	3.0	5
68	Northward intensification of anthropogenically forced changes in the Atlantic meridional overturning circulation (AMOC). Geophysical Research Letters, 2010, 37, .	4.0	4
69	Two sources of deep decadal variability in the central Labrador Sea openâ€ocean convection region. Geophysical Research Letters, 0, , .	4.0	3
70	Reply to Comments on "Multiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitationsâ€: Journal of Climate, 2014, 27, 490-492.	3.2	2
71	A Simple Conceptual Model for the Selfâ€sustained Multidecadal AMOC Variability. Geophysical Research Letters, 0, , .	4.0	2
72	The climatological mean atmospheric transport under weakened Atlantic thermohaline circulation climate scenario. Climate Dynamics, 2009, 32, 343-354.	3.8	1