Eleanor Frajka-Williams

List of Publications by Year
in descending order

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Version: 2024-02-01

49 papers	3,031 citations	201674 27 h-index	206112 48 g-index
55 all docs	55 docs citations	55 times ranked	4007 citing authors

#	Article	IF	Citations
1	Measuring the Atlantic Meridional Overturning Circulation at 26Â°N. Progress in Oceanography, 2015, 130, 91-111.	3.2	314
2	Observed decline of the Atlantic meridional overturning circulation 2004â€“2012. Ocean Science, 2014, 10, 29-38.	3.4	293
3	The North Atlantic Ocean Is in a State of Reduced Overturning. Geophysical Research Letters, 2018, 45, 1527-1533.	4.0	263
4	Observed interannual variability of the Atlantic meridional overturning circulation at 26.5Â°N. Geophysical Research Letters, 2012, 39, .	4.0	211
5	State of the Climate in 2013. Bulletin of the American Meteorological Society, 2014, 95, S1-S279.	3.3	138
6	Monitoring the Atlantic meridional overturning circulation. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1744-1753.	1.4	135
7	State of the Climate in 2012. Bulletin of the American Meteorological Society, 2013, 94, S1-S258.	3.3	129
8	Drivers of exceptionally cold North Atlantic Ocean temperatures and their link to the 2015 European heat wave. Environmental Research Letters, 2016, 11, 074004.	5.2	122
9	Emerging negative Atlantic Multidecadal Oscillation index in spite of warm subtropics. Scientific Reports, 2017, 7, 11224.	3.3	94
10	Atmosphere drives recent interannual variability of the Atlantic meridional overturning circulation at 26.5Â°N. Geophysical Research Letters, 2013, 40, 5164-5170.	4.0	90
11	OceanGliders: A Component of the Integrated GOOS. Frontiers in Marine Science, 2019, 6, .	2.5	83
12	Determining Vertical Water Velocities from Seaglider. Journal of Atmospheric and Oceanic Technology, 2011, 28, 1641-1656.	1.3	78
13	Pending recovery in the strength of the meridional overturning circulation at 26Â°â€‰N. Ocean Science, 2020, 16, 863-874.	3.4	65
14	Estimating the Atlantic overturning at 26Â°N using satellite altimetry and cable measurements. Geophysical Research Letters, 2015, 42, 3458-3464.	4.0	64
15	Atlantic Meridional Overturning Circulation slowdown cooled the subtropical ocean. Geophysical Research Letters, 2013, 40, 6202-6207.	4.0	63
16	Rapid mixing and exchange of deep-ocean waters in an abyssal boundary current. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13233-13238.	7.1	59
17	Variability of the Ross Gyre, Southern Ocean: Drivers and Responses Revealed by Satellite Altimetry. Geophysical Research Letters, 2018, 45, 6195-6204.	4.0	58
18	Physical controls and mesoscale variability in the Labrador Sea spring phytoplankton bloom observed by Seaglider. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 2144-2161.	1.4	54

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19	Physical controls and interannual variability of the Labrador Sea spring phytoplankton bloom in distinct regions. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 541-552.	1.4	50
20	Estimating Oceanic Primary Production Using Vertical Irradiance and Chlorophyll Profiles from Ocean Gliders in the North Atlantic. Environmental Science & Technology, 2015, 49, 11612-11621.	10.0	46
21	Coherent modulation of the sea-level annual cycle in the United States by Atlantic Rossby waves. Nature Communications, 2018, 9, 2571.	12.8	45
22	Observed and simulated variability of the AMOC at 26Â°N and 41Â°N. Geophysical Research Letters, 2013, 40, 1159-1164.	4.0	40
23	Generation of Internal Waves by Eddies Impinging on the Western Boundary of the North Atlantic. Journal of Physical Oceanography, 2016, 46, 1067-1079.	1.7	39
24	Compensation between meridional flow components of the Atlantic MOC at 26Â°â€¯N. Ocean Science, 2016, 12, 481-493.	3.4	38
25	Wind-driven transport of fresh shelf water into the upper 30â€‰m of the Labrador Sea. Ocean Science, 2018, 14, 1247-1264.	3.4	34
26	Seasonal to interannual variability in density around the Canary Islands and their influence on the Atlantic meridional overturning circulation at 26Â°N. Journal of Geophysical Research: Oceans, 2014, 119, 1843-1860.	2.6	33
27	Variability of Antarctic Bottom Water at 24.5Â°N in the Atlantic. Journal of Geophysical Research, 2011, 116, .	3.3	30
28	A New Index for the Atlantic Meridional Overturning Circulation at 26Â°N. Journal of Climate, 2014, 27, 6439-6455.	3.2	28
29	Horizontal Stratification during Deep Convection in the Labrador Sea. Journal of Physical Oceanography, 2014, 44, 220-228.	1.7	27
30	The Observed North Atlantic Meridional Overturning Circulation: Its Meridional Coherence and Ocean Bottom Pressure. Journal of Physical Oceanography, 2014, 44, 517-537.	1.7	27
31	Major variations in subtropical North Atlantic heat transport at short (5 day) timescales and their causes. Journal of Geophysical Research: Oceans, 2016, 121, 3237-3249.	2.6	27
32	Vertical structure of eddies and <scp>R</scp>ossby waves, and their effect on the <scp>A</scp>tlantic meridional overturning circulation at 26.5Â°N. Journal of Geophysical Research: Oceans, 2014, 119, 6479-6498.	2.6	25
33	Eddy impacts on the Florida Current. Geophysical Research Letters, 2013, 40, 349-353.	4.0	23
34	Coherent Circulation Changes in the Deep North Atlantic From 16Â°N and 26Â°N Transport Arrays. Journal of Geophysical Research: Oceans, 2018, 123, 3427-3443.	2.6	23
35	The accuracy of estimates of the overturning circulation from basin-wide mooring arrays. Progress in Oceanography, 2018, 160, 101-123.	3.2	23
36	Phased Response of the Subpolar Southern Ocean to Changes in Circumpolar Winds. Geophysical Research Letters, 2019, 46, 6024-6033.	4.0	20

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37	Annual Cycle of Turbulent Dissipation Estimated from Seagliders. Geophysical Research Letters, 2018, 45, 10,560.	4.0	18
38	Structure and Variability of the Antilles Current at 26.5Â°N. Journal of Geophysical Research: Oceans, 2019, 124, 3700-3723.	2.6	16
39	Mesoscale Eddy Dissipation by a â€œZooâ€•of Submesoscale Processes at a Western Boundary. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016246.	2.6	15
40	Observed Basin-Scale Response of the North Atlantic Meridional Overturning Circulation to Wind Stress Forcing. Journal of Climate, 2017, 30, 2029-2054.	3.2	14
41	Loop Current Variability as Trigger of Coherent Gulf Stream Transport Anomalies. Journal of Physical Oceanography, 2019, 49, 2115-2132.	1.7	14
42	Modelâ€Derived Uncertainties in Deep Ocean Temperature Trends Between 1990 and 2010. Journal of Geophysical Research: Oceans, 2019, 124, 1155-1169.	2.6	13
43	Detectability of an AMOC Decline in Current and Projected Climate Changes. Geophysical Research Letters, 2020, 47, e2020GL089974.	4.0	13
44	Greenland Melt and the Atlantic Meridional Overturning Circulation. , 2016, 29, 22-33.		11
45	Estimating the Deep Overturning Transport Variability at 26Â°N Using Bottom Pressure Recorders. Journal of Geophysical Research: Oceans, 2019, 124, 335-348.	2.6	8
46	Revisiting AMOC Transport Estimates From Observations and Models. Geophysical Research Letters, 2021, 48, e2021GL093045.	4.0	6
47	A dynamically based method for estimating the Atlantic meridional overturning circulation at 26Â°â€‰N from satellite altimetry. Ocean Science, 2021, 17, 1321-1340.	3.4	5
48	Sustaining observations of the unsteady ocean circulation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130335.	3.4	4
49	The Atlantic Overturning Circulation: More Evidence of Variability and Links to Climate. Bulletin of the American Meteorological Society, 2014, 95, ES163-ES166.	3.3	3