Elaine L Mcdonagh

List of Publications by Year
in descending order

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41 papers	1,887 citations	331670 21 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	2986 citing authors

#	Article	IF	Citations
1	Large-scale distribution of Atlantic nitrogen fixation controlled by iron availability. Nature Geoscience, 2009, 2, 867-871.	12.9	396
2	Changes in Ocean Heat, Carbon Content, and Ventilation: A Review of the First Decade of GO-SHIP Global Repeat Hydrography. Annual Review of Marine Science, 2016, 8, 185-215.	11.6	183
3	Atlantic Meridional Overturning Circulation: Observed Transport and Variability. Frontiers in Marine Science, 2019, 6, .	2.5	120
4	Deep and abyssal ocean warming from 35Âyears of repeat hydrography. Geophysical Research Letters, 2016, 43, 10,356.	4.0	110
5	Stability of the Atlantic Meridional Overturning Circulation: A Review and Synthesis. Journal of Geophysical Research: Oceans, 2019, 124, 5336-5375.	2.6	109
6	Global and Full-Depth Ocean Temperature Trends during the Early Twenty-First Century from Argo and Repeat Hydrography. Journal of Climate, 2017, 30, 1985-1997.	3.2	89
7	Decadal Changes in the South Indian Ocean Thermocline. Journal of Climate, 2005, 18, 1575-1590.	3.2	66
8	Impact of a 30% reduction in Atlantic meridional overturning during 2009â€“2010. Ocean Science, 2014, 10, 683-691.	3.4	61
9	Circulation and Transport in the Western Boundary Currents at Cape Farewell, Greenland. Journal of Physical Oceanography, 2009, 39, 1854-1870.	1.7	60
10	The Global Ocean Ship-Based Hydrographic Investigations Program (GO-SHIP): A Platform for Integrated Multidisciplinary Ocean Science. Frontiers in Marine Science, 2019, 6, .	2.5	60
11	Nutrient streams in the North Atlantic: Advective pathways of inorganic and dissolved organic nutrients. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	57
12	Continuous Estimate of Atlantic Oceanic Freshwater Flux at 26.5Â°N. Journal of Climate, 2015, 28, 8888-8906.	3.2	50
13	Reduction in Ocean Heat Transport at 26Â°N since 2008 Cools the Eastern Subpolar Gyre of the North Atlantic Ocean. Journal of Climate, 2020, 33, 1677-1689.	3.2	49
14	Oceanic Fluxes in the South Atlantic. Journal of Physical Oceanography, 2005, 35, 109-122.	1.7	45
15	Subpolar North Atlantic Overturning and Gyreâ€Scale Circulation in the Summers of 2014 and 2016. Journal of Geophysical Research: Oceans, 2018, 123, 4538-4559.	2.6	44
16	The circulation of the Indian Ocean at 32Â°S. Progress in Oceanography, 2008, 79, 20-36.	3.2	40
17	Is the deep Indian Ocean MOC sustained by breaking internal waves?. Journal of Geophysical Research, 2012, 117, .	3.3	36
18	A twenty year reversal in water mass trends in the subtropical North Atlantic. Geophysical Research Letters, 2007, 34, .	4.0	33

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19	Circulation, Heat, and Freshwater Transport at 36Â°N in the Atlantic. Journal of Physical Oceanography, 2010, 40, 2661-2678.	1.7	24
20	Fullâ€depth temperature trends in the northeastern Atlantic through the early 21st century. Geophysical Research Letters, 2014, 41, 7971-7979.	4.0	23
21	Control of Mode and Intermediate Water Mass Properties in Drake Passage by the Amundsen Sea Low. Journal of Climate, 2013, 26, 5102-5123.	3.2	22
22	Shear at the Base of the Oceanic Mixed Layer Generated by Wind Shear Alignment. Journal of Physical Oceanography, 2013, 43, 1798-1810.	1.7	21
23	The upper, deep, abyssal and overturning circulation in the Atlantic Ocean at 30Â°S in 2003 and 2011. Progress in Oceanography, 2019, 176, 102136.	3.2	21
24	Recent Water Mass Changes Reveal Mechanisms of Ocean Warming. Journal of Climate, 2021, 34, 3461-3479.	3.2	21
25	Decadal Variability of Thermocline and Intermediate Waters at 24Â°S in the South Atlantic. Journal of Physical Oceanography, 2011, 41, 157-165.	1.7	20
26	Thirty Years of GOSHIP and WOCE Data: Atlantic Overturning of Mass, Heat, and Freshwater Transport. Geophysical Research Letters, 2022, 49, .	4.0	16
27	Circulation-driven variability of Atlantic anthropogenic carbon transports and uptake. Nature Geoscience, 2021, 14, 571-577.	12.9	15
28	Modelâ€Derived Uncertainties in Deep Ocean Temperature Trends Between 1990 and 2010. Journal of Geophysical Research: Oceans, 2019, 124, 1155-1169.	2.6	13
29	Impact of slowdown of Atlantic overturning circulation on heat and freshwater transports. Geophysical Research Letters, 2016, 43, 7625-7631.	4.0	12
30	Signature of Ocean Warming at the Mixed Layer Base. Geophysical Research Letters, 2020, 47, e2019GL086269.	4.0	12
31	How Is the Ocean Anthropogenic Carbon Reservoir Filled?. Global Biogeochemical Cycles, 2022, 36, .	4.9	9
32	On the subâ€decadal variability of South Atlantic Antarctic Intermediate Water. Geophysical Research Letters, 2012, 39, .	4.0	8
33	Deep temperature variability in Drake Passage. Journal of Geophysical Research: Oceans, 2017, 122, 713-725.	2.6	8
34	Importance of Boundary Processes for Heat Uptake in the Subpolar North Atlantic. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016366.	2.6	8
35	Decadal changes in ocean properties revealed by ARGO floats. Geophysical Research Letters, 2005, 32, .	4.0	6
36	Observational Advances in Estimates of Oceanic Heating. Current Climate Change Reports, 2016, 2, 127-134.	8.6	6

#	Article	IF	Citations
37	Counteracting Contributions of the Upper and Lower Meridional Overturning Limbs to the North Atlantic Nutrient Budgets: Enhanced Imbalance in 2010. Global Biogeochemical Cycles, 2021, 35, e2020GB006898.	4.9	4
38	Surface atmospheric forcing as the driver of long-term pathways and timescales of ocean ventilation. Ocean Science, 2021, 17, 935-952.	3.4	3
39	The Technological, Scientific, and Sociological Revolution of Global Subsurface Ocean Observing. Oceanography, 2021, , 2-8.	1.0	2
40	Mechanisms of Ocean Heat Uptake along and across Isopycnals. Journal of Climate, 2022, 35, 4885-4904.	3.2	1
41	Decomposing oceanic temperature and salinity change using ocean carbon change. Ocean Science, 2022, 18, 523-548.	3.4	1