Cecilie Mauritzen

List of Publications by Year
in descending order

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Version: 2024-02-01

32 papers	2,348 citations	331670 21 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	2953 citing authors

#	Article	IF	Citations
1	Production of dense overflow waters feeding the North Atlantic across the Greenland-Scotland Ridge. Part 1: Evidence for a revised circulation scheme. Deep-Sea Research Part I: Oceanographic Research Papers, 1996, 43, 769-806.	1.4	343
2	Dilution of the Northern North Atlantic Ocean in Recent Decades. Science, 2005, 308, 1772-1774.	12.6	335
3	Arctic Ocean Warming Contributes to Reduced Polar Ice Cap. Journal of Physical Oceanography, 2010, 40, 2743-2756.	1.7	284
4	Circulation and mixing in the Faroese Channels. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 883-913.	1.4	113
5	Chapter 1 Impacts of the Oceans on Climate Change. Advances in Marine Biology, 2009, 56, 1-150.	1.4	110
6	On the origin of the warm inflow to the Nordic Seas. Progress in Oceanography, 2001, 51, 125-214.	3.2	105
7	Atlantic Climate Variability and Predictability: A CLIVAR Perspective. Journal of Climate, 2006, 19, 5100-5121.	3.2	99
8	Surface circulation in the Nordic Seas from clustered drifters. Deep-Sea Research Part I: Oceanographic Research Papers, 2011, 58, 468-485.	1.4	86
9	Impact of recirculation on the East Greenland Current in Fram Strait: Results from moored current meter measurements between 1997 and 2009. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 92, 26-40.	1.4	83
10	Production of dense overflow waters feeding the North Atlantic across the Greenland-Scotland Ridge. Part 2: An inverse model. Deep-Sea Research Part I: Oceanographic Research Papers, 1996, 43, 807-835.	1.4	81
11	Influence of sea ice on the thermohaline circulation in the Arctic-North Atlantic Ocean. Geophysical Research Letters, 1997, 24, 3257-3260.	4.0	74
12	On the influence of Mediterranean Water on the Central Waters of the North Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2001, 48, 347-381.	1.4	72
13	Wind-Driven Variability of the Large-Scale Recirculating Flow in the Nordic Seas and Arctic Ocean. Journal of Physical Oceanography, 2003, 33, 2534-2550.	1.7	69
14	Dense water formation in the Nordic Seas diagnosed from sea surface buoyancy fluxes. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 22-41.	1.4	67
15	Seasonal variability in Atlantic Water off Spitsbergen. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 1-14.	1.4	59
16	Observational program tracks Arctic Ocean transition to a warmer state. Eos, 2007, 88, 398-399.	0.1	58
17	Closing the loop â€“ Approaches to monitoring the state of the Arctic Mediterranean during the International Polar Year 2007â€“2008. Progress in Oceanography, 2011, 90, 62-89.	3.2	47
18	On the relationship between dense water formation and the â€œMeridional Overturning Cellâ€•in the North Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 1999, 46, 877-894.	1.4	44

#	Article	IF	Citations
19	Importance of density-compensated temperature change for deep North Atlantic Ocean heat uptake. Nature Geoscience, 2012, 5, 905-910.	12.9	35
20	Potential sources of marine plastic from survey beaches in the Arctic and Northeast Atlantic. Science of the Total Environment, 2021, 790, 148009.	8.0	28
21	In pursuit of anomaliesâ€"Analyzing the poleward transport of Atlantic Water with surface drifters. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 85, 96-108.	1.4	22
22	Arctic freshwater. Nature Geoscience, 2012, 5, 162-164.	12.9	21
23	Transport estimates of the Western Branch of the Norwegian Atlantic Current from glider surveys. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 79, 86-95.	1.4	21
24	Ten years of modeling the Deepwater Horizon oil spill. Environmental Modelling and Software, 2021, 142, 105070.	4.5	17
25	The flow of Atlantic water to the Nordic Seas and Arctic Ocean. , 2007, , 123-146.		15
26	Surface currents in operational oceanography: Key applications, mechanisms, and methods. Journal of Operational Oceanography, 2023, 16, 60-88.	1.2	14
27	On the relationship between climate sensitivity and modelling uncertainty. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 69, 1327765.	1.7	12
28	Towards integrated modeling of the long-term impacts of oil spills. Marine Policy, 2021, 131, 104554.	3.2	10
29	Upper-ocean hydrography of the Nordic Seas during the International Polar Year (2007â€"2008) as observed by instrumented seals and Argo floats. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 93, 41-59.	1.4	9
30	Deepwater Formation. International Geophysics, 2013, 103, 227-253.	0.6	9
31	The Arctic and Subarctic Oceans/Seas. International Geophysics, 2013, 103, 443-470.	0.6	5
32	Capabilities of Global Ocean Programmes to Inform Climate Services. Procedia Environmental Sciences, 2010, 1, 342-353.	1.4	1