

# Alexander Brearley

## List of Publications by Year in descending order

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23  
papers

527  
citations

840776

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h-index

642732

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g-index

24  
all docs

24  
docs citations

24  
times ranked

1007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antarctic krill likely avoid underwater gliders. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 179, 103680.	1.4	4
2	Landfast Ice Controls on Turbulence in Antarctic Coastal Seas. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	5
3	The Annual Salinity Cycle of the Denmark Strait Overflow. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	1
4	Local and Large Scale Drivers of Variability in the Coastal Freshwater Budget of the Western Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017172.	2.6	10
5	Rates and Mechanisms of Turbulent Mixing in a Coastal Embayment of the West Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016861.	2.6	4
6	Tracing Glacial Meltwater From the Greenland Ice Sheet to the Ocean Using Gliders. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017274.	2.6	3
7	Three-Dimensional Structure of a Cold-Core Arctic Eddy Interacting with the Chukchi Slope Current. Journal of Geophysical Research: Oceans, 2019, 124, 8375-8391.	2.6	6
8	The Role of Eddies and Topography in the Export of Shelf Waters From the West Antarctic Peninsula Shelf. Journal of Geophysical Research: Oceans, 2019, 124, 7718-7742.	2.6	7
9	The biogeochemical impact of glacial meltwater from Southwest Greenland. Progress in Oceanography, 2019, 176, 102126.	3.2	34
10	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	23.0	105
11	SST Dynamics at Different Scales: Evaluating the Oceanographic Model Resolution Skill to Represent SST Processes in the Southern Ocean. Journal of Geophysical Research: Oceans, 2019, 124, 2546-2570.	2.6	3
12	Diapycnal Mixing in the Southern Ocean Diagnosed Using the DIMES Tracer and Realistic Velocity Fields. Journal of Geophysical Research: Oceans, 2018, 123, 2615-2634.	2.6	2
13	Evidences of strong sources of DFe and DMn in Ryder Bay, Western Antarctic Peninsula. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170172.	3.4	13
14	Controls on turbulent mixing on the West Antarctic Peninsula shelf. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 139, 18-30.	1.4	19
15	Modification of deep waters in Marguerite Bay, western Antarctic Peninsula, caused by topographic overflows. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 139, 9-17.	1.4	25
16	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
17	Seismic reflection imaging of mixing processes in Fram Strait. Journal of Geophysical Research: Oceans, 2015, 120, 6884-6896.	2.6	11
18	Modification of turbulent dissipation rates by a deep Southern Ocean eddy. Geophysical Research Letters, 2015, 42, 3450-3457.	4.0	24

#	ARTICLE	IF	CITATIONS
19	Vertical Flow in the Southern Ocean Estimated from Individual Moorings. <i>Journal of Physical Oceanography</i> , 2015, 45, 2209-2220.	1.7	12
20	Eddy-induced variability in Southern Ocean abyssal mixing on climatic timescales. <i>Nature Geoscience</i> , 2014, 7, 577-582.	12.9	51
21	Deep boundary current disintegration in Drake Passage. <i>Geophysical Research Letters</i> , 2014, 41, 121-127.	4.0	4
22	Rates and mechanisms of turbulent dissipation and mixing in the Southern Ocean: Results from the Diapycnal and Isopycnal Mixing Experiment in the Southern Ocean (DIMES). <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2774-2792.	2.6	112
23	The East Greenland boundary current system south of Denmark Strait. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 63, 1-19.	1.4	33