

Alexander Brearley

List of Publications by Year in descending order

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23
papers

527
citations

840776

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docs citations

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times ranked

1007
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. <i>Reviews of Geophysics</i> , 2019, 57, 623-708.	23.0	105
3	Eddy-induced variability in Southern Ocean abyssal mixing on climatic timescales. <i>Nature Geoscience</i> , 2014, 7, 577-582.	12.9	51
4	Generation of Internal Waves by Eddies Impinging on the Western Boundary of the North Atlantic. <i>Journal of Physical Oceanography</i> , 2016, 46, 1067-1079.	1.7	39
5	The biogeochemical impact of glacial meltwater from Southwest Greenland. <i>Progress in Oceanography</i> , 2019, 176, 102126.	3.2	34
6	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
7	Modification of deep waters in Marguerite Bay, western Antarctic Peninsula, caused by topographic overflows. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 9-17.	1.4	25
8	Modification of turbulent dissipation rates by a deep Southern Ocean eddy. <i>Geophysical Research Letters</i> , 2015, 42, 3450-3457.	4.0	24
9	Controls on turbulent mixing on the West Antarctic Peninsula shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 18-30.	1.4	19
10	Evidences of strong sources of DFe and DMn in Ryder Bay, Western Antarctic Peninsula. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170172.	3.4	13
11	Vertical Flow in the Southern Ocean Estimated from Individual Moorings. <i>Journal of Physical Oceanography</i> , 2015, 45, 2209-2220.	1.7	12
12	Seismic reflection imaging of mixing processes in Fram Strait. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6884-6896.	2.6	11
13	Local and Large Scale Drivers of Variability in the Coastal Freshwater Budget of the Western Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017172.	2.6	10
14	The Role of Eddies and Topography in the Export of Shelf Waters From the West Antarctic Peninsula Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7718-7742.	2.6	7
15	Three-Dimensional Structure of a Cold-Core Arctic Eddy Interacting with the Chukchi Slope Current. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 8375-8391.	2.6	6
16	Landfast Ice Controls on Turbulence in Antarctic Coastal Seas. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	5
17	Deep boundary current disintegration in Drake Passage. <i>Geophysical Research Letters</i> , 2014, 41, 121-127.	4.0	4
18	Rates and Mechanisms of Turbulent Mixing in a Coastal Embayment of the West Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016861.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Antarctic krill likely avoid underwater gliders. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 179, 103680.	1.4	4
20	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
21	Tracing Glacial Meltwater From the Greenland Ice Sheet to the Ocean Using Gliders. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017274.	2.6	3
22	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
23	The Annual Salinity Cycle of the Denmark Strait Overflow. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	1