

Karen Heywood

List of Publications by Year in descending order

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150
papers

7,282
citations

43973

48
h-index

71532

76
g-index

195
all docs

195
docs citations

195
times ranked

6355
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread Intense Turbulent Mixing in the Southern Ocean. <i>Science</i> , 2004, 303, 210-213.	6.0	360
2	Multidecadal warming of Antarctic waters. <i>Science</i> , 2014, 346, 1227-1231.	6.0	346
3	Antarctic climate change and the environment. <i>Antarctic Science</i> , 2009, 21, 541-563.	0.5	195
4	The Antarctic Slope Current in a Changing Climate. <i>Reviews of Geophysics</i> , 2018, 56, 741-770.	9.0	180
5	Southern Ocean bottom water characteristics in CMIP5 models. <i>Geophysical Research Letters</i> , 2013, 40, 1409-1414.	1.5	179
6	On the export of Antarctic Bottom Water from the Weddell Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 4715-4742.	0.6	163
7	Open-Ocean Submesoscale Motions: A Full Seasonal Cycle of Mixed Layer Instabilities from Gliders. <i>Journal of Physical Oceanography</i> , 2016, 46, 1285-1307.	0.7	155
8	Modification and pathways of Southern Ocean Deep Waters in the Scotia Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 681-705.	0.6	152
9	The effects of flow disturbance by an oceanic island. <i>Journal of Marine Research</i> , 1990, 48, 55-73.	0.3	122
10	Decadal Ocean Forcing and Antarctic Ice Sheet Response: Lessons from the Amundsen Sea. , 2016, 29, 106-117.		122
11	SUSTAINED MONITORING OF THE SOUTHERN OCEAN AT DRAKE PASSAGE: PAST ACHIEVEMENTS AND FUTURE PRIORITIES. <i>Reviews of Geophysics</i> , 2011, 49, .	9.0	121
12	Surface Circulation at the Tip of the Antarctic Peninsula from Drifters. <i>Journal of Physical Oceanography</i> , 2009, 39, 3-26.	0.7	110
13	Variability of the southern Antarctic Circumpolar Current front north of South Georgia. <i>Journal of Marine Systems</i> , 2002, 37, 87-105.	0.9	107
14	On the fate of the Antarctic Slope Front and the origin of the Weddell Front. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	104
15	Seasonality of submesoscale flows in the ocean surface boundary layer. <i>Geophysical Research Letters</i> , 2016, 43, 2118-2126.	1.5	104
16	Diel vertical migration of zooplankton in the Northeast Atlantic. <i>Journal of Plankton Research</i> , 1996, 18, 163-184.	0.8	102
17	Measurements beneath an Antarctic ice shelf using an autonomous underwater vehicle. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	101
18	Variability of Subantarctic Mode Water and Antarctic Intermediate Water in the Drake Passage during the Late-Twentieth and Early-Twenty-First Centuries. <i>Journal of Climate</i> , 2009, 22, 3661-3688.	1.2	100

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19	High mixing rates in the abyssal Southern Ocean. <i>Nature</i> , 2002, 415, 1011-1014.	13.7	97
20	Wind-Driven Transport Fluctuations through Drake Passage: A Southern Mode. <i>Journal of Physical Oceanography</i> , 1999, 29, 1971-1992.	0.7	95
21	Warming of waters in an East Greenland fjord prior to glacier retreat: mechanisms and connection to large-scale atmospheric conditions. <i>Cryosphere</i> , 2011, 5, 701-714.	1.5	93
22	Eddy transport as a key component of the Antarctic overturning circulation. <i>Nature Geoscience</i> , 2014, 7, 879-884.	5.4	93
23	EUREC<sup>4</sup>A. <i>Earth System Science Data</i> , 2021, 13, 4067-4119.	3.7	88
24	Current structure of the south Indian Ocean. <i>Journal of Geophysical Research</i> , 1996, 101, 6377-6391.	3.3	83
25	OceanGliders: A Component of the Integrated GOOS. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	83
26	On the sources of Weddell Gyre Antarctic Bottom Water. <i>Journal of Geophysical Research</i> , 2000, 105, 1093-1104.	3.3	81
27	Southern Ocean fronts: Controlled by wind or topography?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	80
28	Mechanisms driving variability in the ocean forcing of Pine Island Glacier. <i>Nature Communications</i> , 2017, 8, 14507.	5.8	78
29	Oceanic heat delivery via Kangerdlugssuaq Fjord to the southéeast Greenland ice sheet. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 631-645.	1.0	77
30	Seasonal and interannual changes in the North Atlantic subpolar gyre from Geosat and TOPEX/POSEIDON altimetry. <i>Journal of Geophysical Research</i> , 1995, 100, 24931.	3.3	75
31	The oxygen isotope composition of water masses in the northern North Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2000, 47, 2265-2286.	0.6	74
32	Sensitivity of Pine Island Glacier to observed ocean forcing. <i>Geophysical Research Letters</i> , 2016, 43, 10,817.	1.5	69
33	Estimation of zooplankton abundance from shipborne ADCP backscatter. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1991, 38, 677-691.	1.6	67
34	Eddy kinetic energy of the North Atlantic subpolar gyre from satellite altimetry. <i>Journal of Geophysical Research</i> , 1994, 99, 22525.	3.3	67
35	Frontal structure and transport in the northwestern Weddell Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 1229-1251.	0.6	64
36	Transport and Water Masses of the Antarctic Slope Front System in The Eastern Weddell Sea. <i>Antarctic Research Series</i> , 0, , 203-214.	0.2	64

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37	Eddy formation behind the tropical island of Aldabra. Deep-Sea Research Part I: Oceanographic Research Papers, 1996, 43, 555-578.	0.6	63
38	Changes in Global Ocean Bottom Properties and Volume Transports in CMIP5 Models under Climate Change Scenarios*. Journal of Climate, 2015, 28, 2917-2944.	1.2	63
39	Physical Controls on Oxygen Distribution and Denitrification Potential in the North West Arabian Sea. Geophysical Research Letters, 2018, 45, 4143-4152.	1.5	60
40	The Antarctic Circumpolar Current between the Falkland Islands and South Georgia. Journal of Physical Oceanography, 2002, 32, 1914-1931.	0.7	58
41	Tracking passive drifters in a high resolution ocean model: implications for interannual variability of larval krill transport to South Georgia. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 909-920.	0.6	58
42	Physiological state of phytoplankton communities in the Southwest Atlantic sector of the Southern Ocean, as measured by fast repetition rate fluorometry. Polar Biology, 2005, 29, 44-52.	0.5	58
43	The Surface Diurnal Warm Layer in the Indian Ocean during CINDY/DYNAMO. Journal of Climate, 2014, 27, 9101-9122.	1.2	58
44	Ocean Rossby waves as a triggering mechanism for primary Madden-Julian events. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 514-527.	1.0	57
45	Frontal structure and Antarctic Bottom Water flow through the Princess Elizabeth Trough, Antarctica. Deep-Sea Research Part I: Oceanographic Research Papers, 1999, 46, 1181-1200.	0.6	56
46	Freshwater fluxes through the Western Fram Strait. Geophysical Research Letters, 2001, 28, 1615-1618.	1.5	56
47	Water Mass Conversion, Fluxes, and Mixing in the Scotia Sea Diagnosed by an Inverse Model. Journal of Physical Oceanography, 2003, 33, 2565-2587.	0.7	54
48	Deep Ocean Impact of a Madden-Julian Oscillation Observed by Argo Floats. Science, 2007, 318, 1765-1769.	6.0	54
49	Potential for an underwater glider component as part of the Global Ocean Observing System. Methods in Oceanography, 2016, 17, 50-82.	1.5	54
50	Distribution of oxygen isotopes in the water masses of Drake Passage and the South Atlantic. Journal of Geophysical Research, 1999, 104, 20949-20962.	3.3	53
51	The role of iron sources and transport for Southern Ocean productivity. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 87, 82-94.	0.6	52
52	Vigorous lateral export of the meltwater outflow from beneath an Antarctic ice shelf. Nature, 2017, 542, 219-222.	18.7	50
53	A dynamical ocean feedback mechanism for the Madden-Julian Oscillation. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 740-754.	1.0	49
54	An assessment of the use of ocean gliders to undertake acoustic measurements of zooplankton: the distribution and density of Antarctic krill (<i>Euphausia superba</i>) in the Weddell Sea.. Limnology and Oceanography: Methods, 2014, 12, 373-389.	1.0	49

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55	The PRIME Eddy. <i>Journal of Marine Research</i> , 1998, 56, 439-462.	0.3	47
56	The deep waters from the Southern Ocean at the entry to the Argentine Basin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1999, 46, 475-499.	0.6	47
57	Circulation and Water Mass Modification in the Brazil-Malvinas Confluence. <i>Journal of Physical Oceanography</i> , 2010, 40, 845-864.	0.7	46
58	Spatial extent and historical context of North Sea oxygen depletion in August 2010. <i>Biogeochemistry</i> , 2013, 113, 53-68.	1.7	46
59	Water masses and baroclinic transports in the South Atlantic and Southern oceans. <i>Journal of Marine Research</i> , 2002, 60, 639-676.	0.3	45
60	Sources and fate of freshwater exported in the East Greenland Current. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	45
61	Ocean processes at the Antarctic continental slope. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130047.	1.6	45
62	BoBBLE: Ocean-Atmosphere Interaction and Its Impact on the South Asian Monsoon. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1569-1587.	1.7	45
63	Ocean temperature and salinity components of the Madden-Julian oscillation observed by Argo floats. <i>Climate Dynamics</i> , 2010, 35, 1149-1168.	1.7	44
64	Biogeochemical variability in the southern Ross Sea as observed by a glider deployment. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 92, 93-106.	0.6	44
65	On the structure, paths, and fluxes associated with Agulhas rings. <i>Journal of Geophysical Research</i> , 1999, 104, 21007-21020.	3.3	42
66	Observations of the Antarctic Slope Undercurrent in the southeastern Weddell Sea. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	42
67	Short-term climate response to a freshwater pulse in the Southern Ocean. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	41
68	Phytoplankton spring bloom initiation: The impact of atmospheric forcing and light in the temperate North Atlantic Ocean. <i>Progress in Oceanography</i> , 2019, 178, 102202.	1.5	40
69	Pathways and modification of warm water flowing beneath Thwaites Ice Shelf, West Antarctica. <i>Science Advances</i> , 2021, 7, .	4.7	39
70	Oxygen isotope study of water masses in the Princess Elizabeth Trough, Antarctica. <i>Marine Chemistry</i> , 1995, 49, 141-153.	0.9	36
71	The flow of the Antarctic Circumpolar Current over the North Scotia Ridge. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 14-28.	0.6	36
72	Between the Devil and the Deep Blue Sea: The Role of the Amundsen Sea Continental Shelf in Exchanges Between Ocean and Ice Shelves. , 2016, 29, 118-129.		36

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73	Antarctic Circumpolar Current response to zonally averaged winds. <i>Journal of Geophysical Research</i> , 2001, 106, 2743-2759.	3.3	35
74	Advective pathways near the tip of the Antarctic Peninsula: Trends, variability and ecosystem implications. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 63, 91-101.	0.6	35
75	Variability in Basal Melting Beneath Pine Island Ice Shelf on Weekly to Monthly Timescales. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8655-8669.	1.0	34
76	Variation in the Distribution and Properties of Circumpolar Deep Water in the Eastern Amundsen Sea, on Seasonal Timescales, Using Seal-Borne Tags. <i>Geophysical Research Letters</i> , 2018, 45, 4982-4990.	1.5	33
77	The vertical structure of upper ocean variability at the Porcupine Abyssal Plain during 2012–2013. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 3075-3089.	1.0	32
78	Acoustic backscatter observations of zooplankton abundance and behaviour and the influence of oceanic fronts in the northeast Atlantic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 899-924.	0.6	31
79	A Decomposition of the Atlantic Meridional Overturning. <i>Journal of Physical Oceanography</i> , 2006, 36, 2253-2270.	0.7	31
80	Validation of three global ocean models in the Weddell Sea. <i>Ocean Modelling</i> , 2009, 30, 1-15.	1.0	31
81	On the outflow of dense water from the Weddell and Ross Seas in OCCAM model. <i>Ocean Science</i> , 2012, 8, 369-388.	1.3	31
82	Ocean glider observations of iceberg-enhanced biological production in the northwestern Weddell Sea. <i>Geophysical Research Letters</i> , 2015, 42, 459-465.	1.5	31
83	Glacial Meltwater Identification in the Amundsen Sea. <i>Journal of Physical Oceanography</i> , 2017, 47, 933-954.	0.7	31
84	On the temporal variability of the transport through Drake Passage. <i>Journal of Geophysical Research</i> , 1996, 101, 22485-22494.	3.3	30
85	Deep and Bottom Waters in the Eastern Scotia Sea: Rapid Changes in Properties and Circulation. <i>Journal of Physical Oceanography</i> , 2001, 31, 2157-2168.	0.7	30
86	An Assessment of Density-Based Finescale Methods for Estimating Diapycnal Diffusivity in the Southern Ocean. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 2647-2661.	0.5	30
87	On the circulation of bottom water in the region of the Vema Channel. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 1119-1139.	0.6	29
88	Seasonal variability of water masses and transport on the Antarctic continental shelf and slope in the southeastern Weddell Sea. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2201-2214.	1.0	29
89	Formation and circulation of the water masses between the southern Indian Ocean and Antarctica: Results from I ¹⁸ O. <i>Journal of Marine Research</i> , 1999, 57, 449-470.	0.3	28
90	High-latitude oceanography using the Autosub autonomous underwater vehicle. <i>Limnology and Oceanography</i> , 2008, 53, 2309-2320.	1.6	28

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91	The Impact of Overturning and Horizontal Circulation in Pine Island Trough on Ice Shelf Melt in the Eastern Amundsen Sea. <i>Journal of Physical Oceanography</i> , 2019, 49, 63-83.	0.7	28
92	Atmospheric conditions associated with oceanic convection in the south-east Labrador Sea. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	27
93	Variability of the Antarctic Slope Current System in the Northwestern Weddell Sea. <i>Journal of Physical Oceanography</i> , 2017, 47, 2977-2997.	0.7	27
94	Increasing vertical mixing to reduce Southern Ocean deep convection in NEMO3.4. <i>Geoscientific Model Development</i> , 2015, 8, 3119-3130.	1.3	26
95	Weddell Sea Export Pathways from Surface Drifters. <i>Journal of Physical Oceanography</i> , 2015, 45, 1068-1085.	0.7	23
96	Drivers of summer oxygen depletion in the central North Sea. <i>Biogeosciences</i> , 2016, 13, 1209-1222.	1.3	23
97	Upper Ocean Distribution of Glacial Meltwater in the Amundsen Sea, Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 6854-6870.	1.0	23
98	Dynamical Ocean Forcing of the Madden-Julian Oscillation at Lead Times of up to Five Months. <i>Journal of Climate</i> , 2012, 25, 2824-2842.	1.2	21
99	Seaglider observations of equatorial Indian Ocean Rossby waves associated with the Madden-Julian Oscillation. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3714-3731.	1.0	21
100	Evidence of an active volcanic heat source beneath the Pine Island Glacier. <i>Nature Communications</i> , 2018, 9, 2431.	5.8	21
101	Observations of oceanic mesoscale features and variability in the Canary Islands area from ERS-1 altimeter data, satellite infrared imagery and hydrographic measurements. <i>International Journal of Remote Sensing</i> , 2002, 23, 4897-4916.	1.3	20
102	Interannual variability of Arctic sea ice export into the East Greenland Current. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	20
103	The influence of intermediate waters on the stability of the eastern North Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 1405-1426.	0.6	19
104	Heat and Freshwater Fluxes through the Nordic Seas. <i>Journal of Physical Oceanography</i> , 2003, 33, 1009-1026.	0.7	19
105	Ice-shelf ocean interactions at Fimbul Ice Shelf, Antarctica from oxygen isotope ratio measurements. <i>Ocean Science</i> , 2008, 4, 89-98.	1.3	19
106	Tracking the PRIME eddy using satellite altimetry. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 725-737.	0.6	18
107	Eddy heat fluxes from direct current measurements of the Antarctic Polar Front in Shag Rocks Passage. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	17
108	The Origin of an Anomalous Ring in the Southeast Atlantic. <i>Journal of Physical Oceanography</i> , 1999, 29, 2050-2064.	0.7	16

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109	A comparison of five surface mixed layer models with a year of observations in the North Atlantic. <i>Progress in Oceanography</i> , 2020, 187, 102316.	1.5	16
110	Thermohaline forcing and interannual variability of northwestern inflows into the northern North Sea. <i>Continental Shelf Research</i> , 2017, 138, 120-131.	0.9	15
111	Measuring pH variability using an experimental sensor on an underwater glider. <i>Ocean Science</i> , 2017, 13, 427-442.	1.3	14
112	High-resolution observations in the western Mediterranean Sea: the REP14-MED experiment. <i>Ocean Science</i> , 2018, 14, 321-335.	1.3	14
113	Injection of Oxygenated Persian Gulf Water Into the Southern Bay of Bengal. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087773.	1.5	14
114	Winter seal-based observations reveal glacial meltwater surfacing in the southeastern Amundsen Sea. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	14
115	Collection of Water Samples from an Autonomous Underwater Vehicle for Tracer Analysis. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006, 23, 1759-1767.	0.5	13
116	Comparison of two time-variant forced eddy-permitting global ocean circulation models with hydrography of the Scotia Sea. <i>Ocean Modelling</i> , 2005, 9, 105-132.	1.0	12
117	On the detectability of internal tides in Drake Passage. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1972-1984.	0.6	11
118	Temporal Variability of Diapycnal Mixing in Shag Rocks Passage. <i>Journal of Physical Oceanography</i> , 2012, 42, 370-385.	0.7	11
119	An Overview of the Synoptic Antarctic Shelf-Slope Interactions (SASSI) project for the International Polar Year. <i>Ocean Science</i> , 2012, 8, 1117-1122.	1.3	11
120	Ice front retreat reconfigures meltwater-driven gyres modulating ocean heat delivery to an Antarctic ice shelf. <i>Nature Communications</i> , 2022, 13, 306.	5.8	10
121	Vertical Circulation Revealed by Diurnal Heating of the Upper Ocean in Late Winter: Part I: Observations. <i>Journal of Physical Oceanography</i> , 1989, 19, 269-278.	0.7	9
122	Direct observations of the Antarctic circumpolar current transport on the northern flank of the Kerguelen Plateau. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1333-1348.	1.0	9
123	A parameterization of Greenland's tip jets suitable for ocean or coupled climate models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	8
124	Wind forcing of salinity anomalies in the Denmark Strait overflow. <i>Ocean Science</i> , 2011, 7, 821-834.	1.3	8
125	Dissolved oxygen dynamics during a phytoplankton bloom in the Ross Sea polynya. <i>Antarctic Science</i> , 2015, 27, 362-372.	0.5	8
126	Variability of water masses in the western Indian Ocean. <i>Journal of Geophysical Research</i> , 1996, 101, 14027-14038.	3.3	7

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127	The Processing and Application of Inverted Echo Sounder Data from Drake Passage. Journal of Atmospheric and Oceanic Technology, 1997, 14, 871-882.	0.5	7
128	Interannual variability of bottom temperatures in Drake Passage. Journal of Geophysical Research, 2001, 106, 2779-2793.	3.3	7
129	North Atlantic climate responses to perturbations in Antarctic Intermediate Water. Climate Dynamics, 2011, 37, 297-311.	1.7	6
130	Shelf sea tidal currents and mixing fronts determined from ocean glider observations. Ocean Science, 2018, 14, 225-236.	1.3	6
131	Meridional heat transport across the Antarctic Circumpolar Current by the Antarctic Bottom Water overturning cell. Geophysical Research Letters, 2007, 34, .	1.5	5
132	Using gliders to study a phytoplankton bloom in the Ross Sea, antarctica. , 2011, , .		5
133	Deployments in extreme conditions: Pushing the boundaries of Seaglider capabilities. , 2012, , .		5
134	Multiplatform, Multidisciplinary Investigations of the Impacts of Modified Circumpolar Deep Water in the Ross Sea, Antarctica. Oceanography, 2014, 2, .	0.5	5
135	Seasonal extrema of sea surface temperature in CMIP6 models. Ocean Science, 2022, 18, 839-855.	1.3	5
136	Fluid flows in the environment: an introduction. Physics Education, 1993, 28, 43-47.	0.3	4
137	First measurements of ocean and atmosphere in the <sc>T</sc>ropical <sc>N</sc>orth <sc>A</sc>tantic using <i><sc>C</sc>aravela</i>, a novel uncrewed surface vessel. Weather, 2021, 76, 200-204.	0.6	4
138	Spatial and temporal variability of solar penetration depths in the Bay of Bengal and its impact on sea surface temperature (SST) during the summer monsoon. Ocean Science, 2021, 17, 871-890.	1.3	4
139	The effect of seasonally and spatially varying chlorophyll on Bay of Bengal surface ocean properties and the South Asian monsoon. Weather and Climate Dynamics, 2020, 1, 635-655.	1.2	4
140	Sensitivity of Melting, Freezing and Marine Ice Beneath Larsen C Ice Shelf to Changes in Ocean Forcing. Geophysical Research Letters, 2022, 49, .	1.5	4
141	Weekly variability of hydrography and transport of northwestern inflows into the northern North Sea. Journal of Marine Systems, 2020, 204, 103288.	0.9	3
142	Freshwater transport at Fimbulisen, Antarctica. Journal of Geophysical Research, 2009, 114, .	3.3	2
143	The impact of high-frequency current variability on dispersion off the eastern Antarctic Peninsula. Journal of Geophysical Research, 2011, 116, .	3.3	2
144	An Overview of the Synoptic Antarctic Shelf-Slope Interactions (SASSI) project for the International Polar Year. Ocean Science, 2012, 8, 1111-1116.	1.3	2

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145	Nitrous oxide variability at sub-kilometre resolution in the Atlantic sector of the Southern Ocean. PeerJ, 2018, 6, e5100.	0.9	2
146	Tracking passive drifters in a high resolution ocean model: implications for interannual variability of larval krill transport to South Georgia. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 909-909.	0.6	1
147	Nonlinear Climate Responses to Changes in Antarctic Intermediate Water. Journal of Climate, 2013, 26, 9175-9193.	1.2	1
148	Glider Observations of the Northwestern Iberian Margin During an Exceptional Summer Upwelling Season. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015804.	1.0	1
149	Eddies in the environment: laboratory experiments. Physics Education, 1993, 28, 48-51.	0.3	0
150	Monitoring the Antarctic Circumpolar Current in the Drake Passage: Oceanography in Drake Passage: Wherefrom, Where to and What in Between? Liverpool, United Kingdom, 26-27 October 2009. Eos, 2010, 91, 135.	0.1	0