

# Michael Meredith

## List of Publications by Year in descending order

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Version: 2024-02-01

188  
papers

11,927  
citations

30070

54  
h-index

33894

99  
g-index

199  
all docs

199  
docs citations

199  
times ranked

9598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean mixing: oceanography at a watershed. , 2022, , 1-4.		7
2	On the phenology and seeding potential of sea-ice microalgal species. Elementa, 2022, 10, .	3.2	6
3	The Annual Salinity Cycle of the Denmark Strait Overflow. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	1
4	Carbon storage shifts around Antarctica. Nature Communications, 2022, 13, .	12.8	1
5	The CISE-LOCEAN seawater isotopic database (1998â€“2021). Earth System Science Data, 2022, 14, 2721-2735.	9.9	6
6	Dissolved organic carbon and nitrogen cycling along the west Antarctic Peninsula during summer. Progress in Oceanography, 2022, 206, 102854.	3.2	0
7	Future Risk for Southern Ocean Ecosystem Services Under Climate Change. Frontiers in Marine Science, 2021, 7, .	2.5	59
8	Shift from Carbon Flow through the Microbial Loop to the Viral Shunt in Coastal Antarctic Waters during Austral Summer. Microorganisms, 2021, 9, 460.	3.6	14
9	Ventilation of the abyss in the Atlantic sector of the Southern Ocean. Scientific Reports, 2021, 11, 6760.	3.3	13
10	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
11	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
12	Tracing Glacial Meltwater From the Greenland Ice Sheet to the Ocean Using Gliders. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017274.	2.6	3
13	Decline in plankton diversity and carbon flux with reduced sea ice extent along the Western Antarctic Peninsula. Nature Communications, 2021, 12, 4948.	12.8	24
14	Utilising IPCC assessments to support the ecosystem approach to fisheries management within a warming Southern Ocean. Marine Policy, 2021, 131, 104589.	3.2	15
15	Sweepstake reproductive success and collective dispersal produce chaotic genetic patchiness in a broadcast spawner. Science Advances, 2021, 7, eabj4713.	10.3	21
16	Interpopulational differences in the nutritional condition of <i>Aequiyoldia eightsi</i> (Protobranchia: Nuculanidae) from the Western Antarctic Peninsula during austral summer. PeerJ, 2021, 9, e12679.	2.0	1
17	Modeling of the Influence of Sea Ice Cycle and Langmuir Circulation on the Upper Ocean Mixed Layer Depth and Freshwater Distribution at the West Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016109.	2.6	6
18	Gene flow in the Antarctic bivalve <i>Aequiyoldia eightsi</i> (Jay, 1839) suggests a role for the Antarctic Peninsula Coastal Current in larval dispersal. Royal Society Open Science, 2020, 7, 200603.	2.4	11

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19	Modeling the Impact of Ocean Circulation on Chlorophyll Blooms Around South Georgia, Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016391.	2.6	12
20	Delivering Sustained, Coordinated, and Integrated Observations of the Southern Ocean for Global Impact. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	67
21	Topographic Control of Southern Ocean Gyres and the Antarctic Circumpolar Current: A Barotropic Perspective. <i>Journal of Physical Oceanography</i> , 2019, 49, 3221-3244.	1.7	15
22	OceanGliders: A Component of the Integrated GOOS. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	83
23	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
24	Reframing the carbon cycle of the subpolar Southern Ocean. <i>Science Advances</i> , 2019, 5, eaav6410.	10.3	25
25	Temporal variability in foraminiferal morphology and geochemistry at the West Antarctic Peninsula: a sediment trap study. <i>Biogeosciences</i> , 2019, 16, 3267-3282.	3.3	11
26	Stabilization of dense Antarctic water supply to the Atlantic Ocean overturning circulation. <i>Nature Climate Change</i> , 2019, 9, 742-746.	18.8	35
27	The role of ocean dynamics in king penguin range estimation. <i>Nature Climate Change</i> , 2019, 9, 120-121.	18.8	17
28	Phased Response of the Subpolar Southern Ocean to Changes in Circumpolar Winds. <i>Geophysical Research Letters</i> , 2019, 46, 6024-6033.	4.0	20
29	The biogeochemical impact of glacial meltwater from Southwest Greenland. <i>Progress in Oceanography</i> , 2019, 176, 102126.	3.2	34
30	Rapid mixing and exchange of deep-ocean waters in an abyssal boundary current. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13233-13238.	7.1	59
31	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. <i>Reviews of Geophysics</i> , 2019, 57, 623-708.	23.0	105
32	Variability and change in the west Antarctic Peninsula marine system: Research priorities and opportunities. <i>Progress in Oceanography</i> , 2019, 173, 208-237.	3.2	102
33	Impact of ocean acidification and high solar radiation on productivity and species composition of a late summer phytoplankton community of the coastal Western Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2019, 64, 1716-1736.	3.1	17
34	Extreme spikes in DMS flux double estimates of biogenic sulfur export from the Antarctic coastal zone to the atmosphere. <i>Scientific Reports</i> , 2019, 9, 2233.	3.3	31
35	Enhanced glacial discharge from the eastern Antarctic Peninsula since the 1700s associated with a positive Southern Annular Mode. <i>Scientific Reports</i> , 2019, 9, 14606.	3.3	25
36	Sources, variability and fate of freshwater in the Bellingshausen Sea, Antarctica. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 133, 59-71.	1.4	14

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37	Stepping stones to isolation: Impacts of a changing climate on the connectivity of fragmented fish populations. <i>Evolutionary Applications</i> , 2018, 11, 978-994.	3.1	18
38	The marine system of the West Antarctic Peninsula: status and strategy for progress. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170179.	3.4	13
39	Anatomy of a glacial meltwater discharge event in an Antarctic cove. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170163.	3.4	36
40	Macronutrient and carbon supply, uptake and cycling across the Antarctic Peninsula shelf during summer. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170168.	3.4	20
41	Inter-decadal variability of phytoplankton biomass along the coastal West Antarctic Peninsula. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170174.	3.4	44
42	Impact of sea-ice melt on dimethyl sulfide (sulfoniopropionate) inventories in surface waters of Marguerite Bay, West Antarctic Peninsula. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170169.	3.4	22
43	Shelf-ocean exchange and hydrography west of the Antarctic Peninsula: a review. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170164.	3.4	93
44	A "shallow bathtub ring" of local sedimentary iron input maintains the Palmer Deep biological hotspot on the West Antarctic Peninsula shelf. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170171.	3.4	52
45	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
46	Oceanic fronts control the distribution of dissolved barium in the Southern Ocean. <i>Marine Chemistry</i> , 2018, 204, 95-106.	2.3	7
47	Variability of the Ross Gyre, Southern Ocean: Drivers and Responses Revealed by Satellite Altimetry. <i>Geophysical Research Letters</i> , 2018, 45, 6195-6204.	4.0	58
48	Changing distributions of sea ice melt and meteoric water west of the Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 40-57.	1.4	54
49	Ocean acidification and calcium carbonate saturation states in the coastal zone of the West Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 181-194.	1.4	49
50	Macronutrient supply, uptake and recycling in the coastal ocean of the west Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 58-76.	1.4	44
51	Coastal barium cycling at the West Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 120-131.	1.4	11
52	Interannual variability in phytoplankton biomass and species composition in northern Marguerite Bay (West Antarctic Peninsula) is governed by both winter sea ice cover and summer stratification. <i>Limnology and Oceanography</i> , 2017, 62, 235-252.	3.1	87
53	Marine studies at the western Antarctic Peninsula: Priorities, progress and prognosis. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 1-8.	1.4	28
54	Summer microbial community composition governed by upper-ocean stratification and nutrient availability in northern Marguerite Bay, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 151-166.	1.4	22

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55	On the dynamics of flow past a cylinder: Implications for <scp>CTD</scp> package motions and measurements. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5708-5728.	2.6	7
56	Controls on dissolved and particulate iron distributions in surface waters of the Western Antarctic Peninsula shelf. <i>Marine Chemistry</i> , 2017, 196, 81-97.	2.3	60
57	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
58	Drivers of interannual variability in virioplankton abundance at the coastal western <scp>A</scp>ntarctic peninsula and the potential effects of climate change. <i>Environmental Microbiology</i> , 2017, 19, 740-755.	3.8	27
59	The seasonal cycle of carbonate system processes in Ryder Bay, West Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 167-180.	1.4	36
60	Characteristics of the modelled meteoric freshwater budget of the western Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 31-39.	1.4	20
61	Silicon isotope and silicic acid uptake in surface waters of Marguerite Bay, West Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 143-150.	1.4	15
62	Ice melt influence on summertime net community production along the Western Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 89-102.	1.4	41
63	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
64	Silica cycling and isotopic composition in northern Marguerite Bay on the rapidly-warming western Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 132-142.	1.4	9
65	Assessing Drivers of Coastal Primary Production in Northern Marguerite Bay, Antarctica. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	13
66	State of the Climate in 2016. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, Si-S280.	3.3	132
67	The Southern Ocean. , 2017, , 297-314.		2
68	Understanding the structure of changes in the Southern Ocean eddy field. <i>Geophysical Research Letters</i> , 2016, 43, 5829-5832.	4.0	19
69	Wind-driven export of <scp>W</scp>eddell <scp>S</scp>ea slope water. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7530-7546.	2.6	20
70	Climate forcing for dynamics of dissolved inorganic nutrients at Palmer Station, Antarctica: An interdecadal (1993-2013) analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2369-2389.	3.0	47
71	Estimating the recharge properties of the deep ocean using noble gases and helium isotopes. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5959-5979.	2.6	21
72	Ocean forcing of glacier retreat in the western Antarctic Peninsula. <i>Science</i> , 2016, 353, 283-286.	12.6	346

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73	The thermodynamic balance of the Weddell Gyre. <i>Geophysical Research Letters</i> , 2016, 43, 317-325.	4.0	38
74	Modification of turbulent dissipation rates by a deep Southern Ocean eddy. <i>Geophysical Research Letters</i> , 2015, 42, 3450-3457.	4.0	24
75	Circulation, retention, and mixing of waters within the Weddell Sea continental shelf confluence, Southern Ocean: The role of stratified Taylor columns. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 547-562.	2.6	28
76	Recent trends in the Southern Ocean eddy field. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 257-267.	2.6	120
77	Carbon dynamics of the Weddell Gyre, Southern Ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 288-306.	4.9	24
78	Comparative roles of upwelling and glacial iron sources in Ryder Bay, coastal western Antarctic Peninsula. <i>Marine Chemistry</i> , 2015, 176, 21-33.	2.3	60
79	The seasonal cycle of ocean-atmosphere CO <sub>2</sub> flux in Ryder Bay, west Antarctic Peninsula. <i>Geophysical Research Letters</i> , 2015, 42, 2934-2942.	4.0	41
80	Oceanography and life history predict contrasting genetic population structure in two Antarctic fish species. <i>Evolutionary Applications</i> , 2015, 8, 486-509.	3.1	46
81	State of the Climate in 2014. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES1-ES32.	3.3	78
82	Freshwater distributions and water mass structure in the Amundsen Sea Polynya region, Antarctica. <i>Elementa</i> , 2015, 3, .	3.2	48
83	Seasonal variability of the warm Atlantic water layer in the vicinity of the Greenland shelf break. <i>Geophysical Research Letters</i> , 2014, 41, 8530-8537.	4.0	14
84	Boundary mixing in the Drake Passage outflow. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8627-8645.	2.6	11
85	The contribution of the Weddell Gyre to the lower limb of the Global Overturning Circulation. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3357-3377.	2.6	61
86	Climate change and Southern Ocean ecosystems I: how changes in physical habitats directly affect marine biota. <i>Global Change Biology</i> , 2014, 20, 3004-3025.	9.5	448
87	Minimal change in Antarctic Circumpolar Current flow speed between the last glacial and Holocene. <i>Nature Geoscience</i> , 2014, 7, 113-116.	12.9	54
88	Survival in macaroni penguins and the relative importance of different drivers: individual traits, predation pressure and environmental variability. <i>Journal of Animal Ecology</i> , 2014, 83, 1057-1067.	2.8	51
89	Feedbacks between ice cover, ocean stratification, and heat content in Ryder Bay, western Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5323-5336.	2.6	41
90	Rapid sea-level rise along the Antarctic margins in response to increased glacial discharge. <i>Nature Geoscience</i> , 2014, 7, 732-735.	12.9	78

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91	Eddy-induced variability in Southern Ocean abyssal mixing on climatic timescales. <i>Nature Geoscience</i> , 2014, 7, 577-582.	12.9	51
92	Dense waters of the Weddell and Scotia Seas: recent changes in properties and circulation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130041.	3.4	17
93	Freshwater fluxes in the Weddell Gyre: results from <i>18</i> O. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130298.	3.4	12
94	Antarctic climate change and the environment: an update. <i>Polar Record</i> , 2014, 50, 237-259.	0.8	411
95	The Southern Ocean, carbon and climate. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130057.	3.4	7
96	Deep boundary current disintegration in Drake Passage. <i>Geophysical Research Letters</i> , 2014, 41, 121-127.	4.0	4
97	The impact of changes in sea ice advance on the large winter warming on the western Antarctic Peninsula. <i>International Journal of Climatology</i> , 2013, 33, 852-861.	3.5	84
98	The vision for a Southern Ocean Observing System. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 306-313.	6.3	40
99	The Freshwater System West of the Antarctic Peninsula: Spatial and Temporal Changes. <i>Journal of Climate</i> , 2013, 26, 1669-1684.	3.2	68
100	Rapid cross-density ocean mixing at mid-depths in the Drake Passage measured by tracer release. <i>Nature</i> , 2013, 501, 408-411.	27.8	61
101	Remotely induced warming of Antarctic Bottom Water in the eastern Weddell gyre. <i>Geophysical Research Letters</i> , 2013, 40, 2755-2760.	4.0	41
102	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
103	Decadal Freshening of the Antarctic Bottom Water Exported from the Weddell Sea. <i>Journal of Climate</i> , 2013, 26, 8111-8125.	3.2	57
104	Primary production export flux in Marguerite Bay (Antarctic Peninsula): Linking upper water-column production to sediment trap flux. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 75, 52-66.	1.4	42
105	Dense bottom layers in the Scotia Sea, Southern Ocean: Creation, lifespan, and destruction. <i>Geophysical Research Letters</i> , 2013, 40, 933-936.	4.0	11
106	Replenishing the abyss. <i>Nature Geoscience</i> , 2013, 6, 166-167.	12.9	26
107	Wintertime controls on summer stratification and productivity at the western Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2013, 58, 1035-1047.	3.1	139
108	Use of radium isotopes to estimate mixing rates and trace sediment inputs to surface waters in northern Marguerite Bay, Antarctic Peninsula. <i>Antarctic Science</i> , 2013, 25, 445-456.	0.9	22

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109	West Antarctic Peninsula: An Ice-Dependent Coastal Marine Ecosystem in Transition. <i>Oceanography</i> , 2013, 26, 190-203.	1.0	249
110	Penguin Biogeography Along the West Antarctic Peninsula: Testing the Canyon Hypothesis with Palmer LTER Observations. <i>Oceanography</i> , 2013, 26, 204-206.	1.0	45
111	Abrupt changes in high-latitude nutrient supply to the Atlantic during the last glacial cycle. <i>Geology</i> , 2012, 40, 123-126.	4.4	33
112	Sensitivity of the Overturning Circulation in the Southern Ocean to Decadal Changes in Wind Forcing. <i>Journal of Climate</i> , 2012, 25, 99-110.	3.2	115
113	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.	1.4	35
114	Fronts and habitat zones in the Scotia Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 59-60, 14-24.	1.4	67
115	Implementing a Southern Ocean Observing System. <i>Eos</i> , 2012, 93, 241-243.	0.1	1
116	Climate-induced change in biogenic bromine emissions from the Antarctic marine biosphere. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	19
117	The Southern Ocean Observing System. <i>Oceanography</i> , 2012, 25, 68-69.	1.0	30
118	Physical and behavioural influences on larval fish retention: contrasting patterns in two Antarctic fishes. <i>Marine Ecology - Progress Series</i> , 2012, 465, 201-215.	1.9	21
119	Synchronous intensification and warming of Antarctic Bottom Water outflow from the Weddell Gyre. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	39
120	On the response of the Antarctic Circumpolar Current transport to climate change in coupled climate models. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	29
121	SUSTAINED MONITORING OF THE SOUTHERN OCEAN AT DRAKE PASSAGE: PAST ACHIEVEMENTS AND FUTURE PRIORITIES. <i>Reviews of Geophysics</i> , 2011, 49, .	23.0	121
122	Temperature signature of high latitude Atlantic boundary currents revealed by marine mammal-borne sensor and Argo data. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	20
123	Seasonal evolution of the upper-ocean adjacent to the South Orkney Islands, Southern Ocean: Results from a lazy biological mooring. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1569-1579.	1.4	34
124	High-resolution modelling of the shelf and open ocean adjacent to South Georgia, Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1540-1552.	1.4	30
125	Shifts in coastal Antarctic marine microbial communities during and after melt water-related surface stratification. <i>FEMS Microbiology Ecology</i> , 2011, 76, 413-427.	2.7	69
126	Seasonal and interannual variation of dissolved iodine speciation at a coastal Antarctic site. <i>Marine Chemistry</i> , 2010, 118, 171-181.	2.3	49



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127	Changes in the freshwater composition of the upper ocean west of the Antarctic Peninsula during the first decade of the 21st century. <i>Progress in Oceanography</i> , 2010, 87, 127-143.	3.2	60
128	The role of sea ice formation in cycling of aluminium in northern Marguerite Bay, Antarctica. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 87, 103-112.	2.1	18
129	Monitoring the Antarctic Circumpolar Current in the Drake Passage: Oceanography in Drake Passage: Wherefrom, Whereto and What in Between? Liverpool, United Kingdom, 26â€“27 October 2009. <i>Eos</i> , 2010, 91, 135.	0.1	0
130	Windâ€“controlled export of Antarctic Bottom Water from the Weddell Sea. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	41
131	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.	1.4	36
132	How Do Polar Marine Ecosystems Respond to Rapid Climate Change?. <i>Science</i> , 2010, 328, 1520-1523.	12.6	310
133	Technical Note: Animal-borne CTD-Satellite Relay Data Loggers for real-time oceanographic data collection. <i>Ocean Science</i> , 2009, 5, 685-695.	3.4	146
134	State of the Antarctic and Southern Ocean climate system. <i>Reviews of Geophysics</i> , 2009, 47, .	23.0	190
135	Nonâ€“annual atmospheric circulation change induced by stratospheric ozone depletion and its role in the recent increase of Antarctic sea ice extent. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	410
136	Sources and fate of freshwater exported in the East Greenland Current. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	45
137	Theory and observations of Ekman flux in the chlorophyll distribution downstream of South Georgia. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	13
138	Spatial variation in seabed temperatures in the Southern Ocean: Implications for benthic ecology and biogeography. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	84
139	Chapter 1 Impacts of the Oceans on Climate Change. <i>Advances in Marine Biology</i> , 2009, 56, 1-150.	1.4	110
140	Tracerâ€“derived freshwater composition of the Siberian continental shelf and slope following the extreme Arctic summer of 2007. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	42
141	The summertime plankton community at South Georgia (Southern Ocean): Comparing the historical (1926/1927) and modern (post 1995) records. <i>Progress in Oceanography</i> , 2008, 78, 241-256.	3.2	15
142	Antarctic Circumpolar Current frontal system in the South Atlantic: Monitoring using merged Argo and animalâ€“borne sensor data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	66
143	Variability in the freshwater balance of northern Marguerite Bay, Antarctic Peninsula: Results from 180. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 309-322.	1.4	100
144	On the characteristics of internal tides and coastal upwelling behaviour in Marguerite Bay, west Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2023-2040.	1.4	29

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145	Seasonal and interannual variability in temperature, chlorophyll and macronutrients in northern Marguerite Bay, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 1988-2006.	1.4	160
146	On the interannual variability of ocean temperatures around South Georgia, Southern Ocean: Forcing by El Niño/Southern Oscillation and the Southern Annular Mode. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2007-2022.	1.4	78
147	Density-driven Southern Hemisphere subpolar gyres in coupled climate models. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	26
148	Eddy Heat Flux in the Southern Ocean: Response to Variable Wind Forcing. <i>Journal of Climate</i> , 2008, 21, 608-620.	3.2	126
149	Evolution of the Deep and Bottom Waters of the Scotia Sea, Southern Ocean, during 1995-2005*. <i>Journal of Climate</i> , 2008, 21, 3327-3343.	3.2	70
150	The Impacts of the Oceans on Climate Change. , 2008, , .		1
151	Monitoring Drake Passage with elephant seals: Frontal structures and snapshots of transport. <i>Limnology and Oceanography</i> , 2008, 53, 2350-2360.	3.1	43
152	Freshwater Fluxes East of Greenland. , 2008, , 263-287.		15
153	Climate change and the marine ecosystem of the western Antarctic Peninsula. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 149-166.	4.0	343
154	Climatically driven fluctuations in Southern Ocean ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 3057-3067.	2.6	148
155	Spatial and temporal operation of the Scotia Sea ecosystem: a review of large-scale links in a krill centred food web. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 113-148.	4.0	298
156	Drake Passage and Cenozoic climate: An open and shut case?. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	178
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