

# Stephen R Rintoul

## List of Publications by Year in descending order

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144  
papers

13,788  
citations

24978

57  
h-index

22764

112  
g-index

150  
all docs

150  
docs citations

150  
times ranked

10559  
citing authors

#	ARTICLE	IF	CITATIONS
1	A mesoscale phytoplankton bloom in the polar Southern Ocean stimulated by iron fertilization. <i>Nature</i> , 2000, 407, 695-702.	13.7	1,417
2	Climate change cascades: Shifts in oceanography, species' ranges and subtidal marine community dynamics in eastern Tasmania. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 400, 17-32.	0.7	525
3	The response of the Antarctic Circumpolar Current to recent climate change. <i>Nature Geoscience</i> , 2008, 1, 864-869.	5.4	495
4	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.	4.2	448
5	The Southern Ocean Limb of the Global Deep Overturning Circulation*. <i>Journal of Physical Oceanography</i> , 2001, 31, 143-173.	0.7	320
6	The Diabatic Deacon Cell*. <i>Journal of Physical Oceanography</i> , 2000, 30, 3212-3222.	0.7	311
7	Circulation, Renewal, and Modification of Antarctic Mode and Intermediate Water*. <i>Journal of Physical Oceanography</i> , 2001, 31, 1005-1030.	0.7	297
8	Variations in behavior and condition of a Southern Ocean top predator in relation to <i>in situ</i> oceanographic conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13705-13710.	3.3	291
9	South Atlantic interbasin exchange. <i>Journal of Geophysical Research</i> , 1991, 96, 2675-2692.	3.3	285
10	Circumpolar structure and distribution of the Antarctic Circumpolar Current fronts: 1. Mean circumpolar paths. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	283
11	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223.	1.4	257
12	Structure of Southern Ocean fronts at 140°E. <i>Journal of Marine Systems</i> , 2002, 37, 151-184.	0.9	228
13	Global biogeography of SAR11 marine bacteria. <i>Molecular Systems Biology</i> , 2012, 8, 595.	3.2	215
14	Mercury in the Southern Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4037-4052.	1.6	209
15	Southern Ocean Thermocline Ventilation. <i>Journal of Physical Oceanography</i> , 2010, 40, 509-529.	0.7	206
16	Zonally asymmetric response of the Southern Ocean mixed-layer depth to the Southern Annular Mode. <i>Nature Geoscience</i> , 2010, 3, 273-279.	5.4	203
17	A late winter hydrographic section from Tasmania to Antarctica. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999, 46, 1417-1454.	0.6	193
18	Polar research: Six priorities for Antarctic science. <i>Nature</i> , 2014, 512, 23-25.	13.7	189

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19	The global influence of localized dynamics in the Southern Ocean. <i>Nature</i> , 2018, 558, 209-218.	13.7	181
20	Multiple Jets of the Antarctic Circumpolar Current South of Australia*. <i>Journal of Physical Oceanography</i> , 2007, 37, 1394-1412.	0.7	180
21	On the relationship between fronts of the Antarctic Circumpolar Current and surface chlorophyll concentrations in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	178
22	Circumpolar structure and distribution of the Antarctic Circumpolar Current fronts: 2. Variability and relationship to sea surface height. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	178
23	Chapter 4.6 The antarctic circumpolar current system. <i>International Geophysics</i> , 2001, , 271-XXXVI.	0.6	177
24	Rapid freshening of Antarctic Bottom Water formed in the Indian and Pacific oceans. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	176
25	Choosing the future of Antarctica. <i>Nature</i> , 2018, 558, 233-241.	13.7	172
26	Baroclinic transport variability of the Antarctic Circumpolar Current south of Australia (WOCE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	3.3	167
27	Localized subduction of anthropogenic carbon dioxide in the Southern Hemisphere oceans. <i>Nature Geoscience</i> , 2012, 5, 579-584.	5.4	166
28	Ekman Transport Dominates Local Air-Sea Fluxes in Driving Variability of Subantarctic Mode Water. <i>Journal of Physical Oceanography</i> , 2002, 32, 1308-1321.	0.7	159
29	A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. <i>Antarctic Science</i> , 2015, 27, 3-18.	0.5	158
30	Southern Ocean frontal structure and sea-ice formation rates revealed by elephant seals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11634-11639.	3.3	152
31	On the Origin and Influence of Ad-Elie Land Bottom Water. <i>Antarctic Research Series</i> , 0, , 151-171.	0.2	150
32	Eddy Variability and Energetics from Direct Current Measurements in the Antarctic Circumpolar Current South of Australia. <i>Journal of Physical Oceanography</i> , 2000, 30, 3050-3076.	0.7	146
33	State of the Climate in 2015. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, Si-S275.	1.7	142
34	Ocean heat drives rapid basal melt of the Totten Ice Shelf. <i>Science Advances</i> , 2016, 2, e1601610.	4.7	140
35	Seasonal evolution of the mixed layer in the Subantarctic zone south of Australia. <i>Journal of Geophysical Research</i> , 2001, 106, 31447-31462.	3.3	138
36	Wind forced low frequency variability of the East Australia Current. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	131

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37	Circulation and seasonal evolution of polar waters south of Australia: implications for iron fertilization of the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2439-2466.	0.6	130
38	Seasonal evolution of upper ocean thermal structure between Tasmania and Antarctica. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 1185-1202.	0.6	126
39	Freshening by glacial meltwater enhances melting of ice shelves and reduces formation of Antarctic Bottom Water. <i>Science Advances</i> , 2018, 4, eaap9467.	4.7	125
40	Advection shapes Southern Ocean microbial assemblages independent of distance and environment effects. <i>Nature Communications</i> , 2013, 4, 2457.	5.8	123
41	A Two-Dimensional Gravest Empirical Mode Determined from Hydrographic Observations in the Subantarctic Front. <i>Journal of Physical Oceanography</i> , 2001, 31, 2186-2209.	0.7	118
42	Formation and export of dense shelf water from the Ad�lie Depression, East Antarctica. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	114
43	Observations: <i>Ocean Pages</i> , 2014, , 255-316.		113
44	Freshening of the Ad�lie Land Bottom Water near 140�E. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	111
45	Circulation and water masses of the southwest Pacific: WOCE Section P11, Papua New Guinea to Tasmania. <i>Journal of Marine Research</i> , 2000, 58, 223-268.	0.3	108
46	A persistent subsurface chlorophyll maximum in the Interpolar Frontal Zone south of Australia: Seasonal progression and implications for phytoplankton-light-nutrient interactions. <i>Journal of Geophysical Research</i> , 2001, 106, 31543-31557.	3.3	103
47	Antarctic Bottom Water from the Ad�lie and George V Land coast, East Antarctica (140�-149�E). <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	98
48	Mass, heat, oxygen and nutrient fluxes and budgets in the North Atlantic Ocean. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1991, 38, S355-S377.	1.6	93
49	Freshening drives contraction of Antarctic Bottom Water in the Australian Antarctic Basin. <i>Geophysical Research Letters</i> , 2014, 41, 1657-1664.	1.5	85
50	Biogeographic partitioning of Southern Ocean microorganisms revealed by metagenomics. <i>Environmental Microbiology</i> , 2013, 15, 1318-1333.	1.8	82
51	Recent wind-driven change in Subantarctic Mode Water and its impact on ocean heat storage. <i>Nature Climate Change</i> , 2018, 8, 58-63.	8.1	76
52	Glacier tongue calving reduced dense water formation and enhanced carbon uptake. <i>Geophysical Research Letters</i> , 2013, 40, 904-909.	1.5	71
53	Decadal changes in the South Pacific western boundary current system revealed in observations and ocean state estimates. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	70
54	Recent recovery of Antarctic Bottom Water formation in the Ross Sea driven by climate anomalies. <i>Nature Geoscience</i> , 2020, 13, 780-786.	5.4	70

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55	Estimating the Four-Dimensional Structure of the Southern Ocean Using Satellite Altimetry. <i>Journal of Atmospheric and Oceanic Technology</i> , 2011, 28, 548-568.	0.5	65
56	Subantarctic mode water: distribution and circulation. <i>Ocean Dynamics</i> , 2011, 61, 103-126.	0.9	64
57	Circulation of modified Circumpolar Deep Water and basal melt beneath the Amery Ice Shelf, East Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3098-3112.	1.0	64
58	Perfluorinated compounds in the Antarctic region: Ocean circulation provides prolonged protection from distant sources. <i>Environmental Pollution</i> , 2010, 158, 2985-2991.	3.7	63
59	Strong export of Antarctic Bottom Water east of the Kerguelen plateau. <i>Nature Geoscience</i> , 2010, 3, 327-331.	5.4	60
60	Distribution of water masses and meltwater on the continental shelf near the Totten and Mawson University ice shelves. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 2050-2068.	1.0	60
61	Ocean-Ice Shelf Interaction in East Antarctica. , 2016, 29, 130-143.		59
62	Oceanic evidence of climate change in southern Australia over the last three centuries. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	58
63	Abyssal connections of Antarctic Bottom Water in a Southern Ocean State Estimate. <i>Geophysical Research Letters</i> , 2013, 40, 2177-2182.	1.5	57
64	Dynamics of the Southern Ocean Circulation. <i>International Geophysics</i> , 2013, 103, 471-492.	0.6	56
65	Rebound of shelf water salinity in the Ross Sea. <i>Nature Communications</i> , 2019, 10, 5441.	5.8	56
66	Sustained Antarctic Research: A 21st Century Imperative. <i>One Earth</i> , 2019, 1, 95-113.	3.6	54
67	Southern Ocean overturning across streamlines in an eddy simulation of the Antarctic Circumpolar Current. <i>Ocean Science</i> , 2007, 3, 491-507.	1.3	53
68	Delivering 21st century Antarctic and Southern Ocean science. <i>Antarctic Science</i> , 2016, 28, 407-423.	0.5	51
69	Impacts of Climate Change on the Subduction of Mode and Intermediate Water Masses in the Southern Ocean. <i>Journal of Climate</i> , 2009, 22, 3289-3302.	1.2	49
70	Influence of Ross Sea Bottom Water changes on the warming and freshening of the Antarctic Bottom Water in the Australian-Antarctic Basin. <i>Ocean Science</i> , 2012, 8, 419-432.	1.3	49
71	Controls on phytoplankton production in the Australasian sector of the subtropical convergence. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998, 45, 1627-1661.	0.6	48
72	Changes in the Subduction of Southern Ocean Water Masses at the End of the Twenty-First Century in Eight IPCC Models. <i>Journal of Climate</i> , 2010, 23, 6526-6541.	1.2	48

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73	A 6 year record of baroclinic transport variability of the Antarctic Circumpolar Current at 140°E derived from expendable bathythermograph and altimeter measurements. <i>Journal of Geophysical Research</i> , 2002, 107, 19-1.	3.3	45
74	Estimates of Area-Averaged Diapycnal Fluxes from Basin-Scale Budgets. <i>Journal of Physical Oceanography</i> , 2000, 30, 2320-2341.	0.7	44
75	Sensitivity of Antarctic Circumpolar Current Transport and Eddy Activity to Wind Patterns in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2015, 45, 1051-1067.	0.7	44
76	Cold-core anomalies at the subantarctic front, south of Tasmania. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1417-1440.	0.6	42
77	Estimating the biodiversity of the East Antarctic shelf and oceanic zone for ecoregionalisation: Example of the ichthyofauna of the CEAMARC (Collaborative East Antarctic Marine Census) CAML surveys. <i>Polar Science</i> , 2010, 4, 115-133.	0.5	39
78	Oceanic Data Analysis Using a General Circulation Model. Part II: A North Atlantic Model. <i>Journal of Physical Oceanography</i> , 1992, 22, 1458-1485.	0.7	38
79	Do Box Inverse Models Work?. <i>Journal of Physical Oceanography</i> , 1997, 27, 291-308.	0.7	38
80	On the zonal and meridional circulation and ocean transports between Tasmania and Antarctica. <i>Journal of Geophysical Research</i> , 2001, 106, 2795-2814.	3.3	37
81	Tracking the Polar Front south of New Zealand using penguin dive data. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 591-607.	0.6	36
82	Introduction to special section: SAZ Project. <i>Journal of Geophysical Research</i> , 2001, 106, 31425-31429.	3.3	35
83	Regional circulation and its impact on upper ocean variability south of Tasmania. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 2071-2081.	0.6	35
84	Direct observations of the Antarctic Slope Current transport at 113°E. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7390-7407.	1.0	35
85	Mean-flow and topographic control on surface eddy-mixing in the Southern Ocean. <i>Journal of Marine Research</i> , 2011, 69, 753-777.	0.3	34
86	Frontal movements and property fluxes: Contributions to heat and freshwater trends in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	33
87	The Dynamics of Southern Ocean Storm Tracks. <i>Journal of Physical Oceanography</i> , 2015, 45, 884-903.	0.7	33
88	Fronts and upper ocean thermal variability south of New Zealand. <i>Antarctic Science</i> , 2003, 15, 141-152.	0.5	32
89	Seasonality of Warm Water Intrusions Onto the Continental Shelf Near the Totten Glacier. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4272-4289.	1.0	32
90	Sea Ice Meltwater and Circumpolar Deep Water Drive Contrasting Productivity in Three Antarctic Polynyas. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 2943-2968.	1.0	31

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91	The Southern Ocean Observing System. <i>Oceanography</i> , 2012, 25, 68-69.	0.5	30
92	Widespread freshening in the Seasonal Ice Zone near 140°E off the Adélie Land Coast, Antarctica, from 1994 to 2012. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6046-6063.	1.0	30
93	Animal Borne Ocean Sensors “ AniBOS “ An Essential Component of the Global Ocean Observing System. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	30
94	A high resolution transect of dissolved barium in the Southern Ocean. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	27
95	Seasonal and interannual evolution of the mixed layer in the Antarctic Zone south of Tasmania. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 2047-2072.	0.6	27
96	Subantarctic Mode Water variability influenced by mesoscale eddies south of Tasmania. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
97	Summer hydrography on the shelf off Terre Adélie/George V Land based on the ALBION and CEAMARC observations during the IPY. <i>Polar Science</i> , 2011, 5, 88-103.	0.5	27
98	Stationary Rossby waves dominate subduction of anthropogenic carbon in the Southern Ocean. <i>Scientific Reports</i> , 2017, 7, 17076.	1.6	27
99	New insights into prime Southern Ocean forage grounds for thriving Western Australian humpback whales. <i>Scientific Reports</i> , 2019, 9, 13988.	1.6	27
100	Antarctic Circumpolar Current transport and barotropic transition at Macquarie Ridge. <i>Geophysical Research Letters</i> , 2014, 41, 7254-7261.	1.5	26
101	Ocean Heat Storage in Response to Changing Ocean Circulation Processes. <i>Journal of Climate</i> , 2020, 33, 9065-9082.	1.2	26
102	Carbon uptake and biogeochemical change in the Southern Ocean, south of Tasmania. <i>Biogeosciences</i> , 2017, 14, 5217-5237.	1.3	26
103	A Mean Synoptic View of the Subantarctic Front South of Australia. <i>Journal of Physical Oceanography</i> , 2002, 32, 1536-1553.	0.7	24
104	Barotropic and baroclinic contributions to along-stream and across-stream transport in the Antarctic Circumpolar Current. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8011-8028.	1.0	24
105	Eddies revealed by SeaWiFS ocean color images in the Antarctic Divergence zone near 140°E. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	22
106	Summertime physical and biological controls on O <sub>2</sub> and CO <sub>2</sub> in the Australian Sector of the Southern Ocean. <i>Journal of Marine Systems</i> , 2015, 147, 21-28.	0.9	22
107	Change in Dense Shelf Water and Adélie Land Bottom Water Precipitated by Iceberg Calving. <i>Geophysical Research Letters</i> , 2018, 45, 2380-2387.	1.5	22
108	Some Remarks on Interpolation of Nonstationary Oceanographic Fields. <i>Journal of Atmospheric and Oceanic Technology</i> , 1999, 16, 1434-1449.	0.5	20

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109	Controls on circulation, cross-shelf exchange, and dense water formation in an Antarctic polynya. <i>Geophysical Research Letters</i> , 2016, 43, 7089-7096.	1.5	20
110	Changes in water properties and flow regime on the continental shelf off the Antarctic Peninsula and coast, after glacier tongue calving. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6277-6294.	1.0	20
111	Regional Changes in Icescape Impact Shelf Circulation and Basal Melting. <i>Geophysical Research Letters</i> , 2017, 44, 11,519.	1.5	20
112	Regional circulation around Heard and McDonald Islands and through the Fawn Trough, central Kerguelen Plateau. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 653-669.	0.6	19
113	Parameterization of eddy-induced subduction in the Southern Ocean surface-layer. <i>Ocean Modelling</i> , 2011, 39, 146-153.	1.0	19
114	Tasman Leakage of intermediate waters as inferred from Argo floats. <i>Geophysical Research Letters</i> , 2013, 40, 5456-5460.	1.5	19
115	A series of cyclonic eddies in the Antarctic Divergence off Adèlie Coast. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
116	Variability and mesoscale activity of the Southern Ocean fronts: Identification of a circumpolar coordinate system. <i>Ocean Modelling</i> , 2011, 39, 79-96.	1.0	17
117	Subsurface structure of interannual temperature anomalies in the Australian sector of the Southern Ocean. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	16
118	Brief communication: Impacts of a developing polynya off Commonwealth Bay, East Antarctica, triggered by grounding of iceberg B09B. <i>Cryosphere</i> , 2016, 10, 2603-2609.	1.5	16
119	The Neodymium Isotope Fingerprint of Adèlie Coast Bottom Water. <i>Geophysical Research Letters</i> , 2018, 45, 11,247.	1.5	16
120	Deep Argo Reveals Bottom Water Properties and Pathways in the Australian Antarctic Basin. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	1.0	16
121	Rapid response of the East Australian Current to remote wind forcing: The role of barotropic-baroclinic interactions. <i>Journal of Marine Research</i> , 2010, 68, 413-431.	0.3	15
122	Continuous shipboard measurements of oceanic $\delta^{18}O$ , $\delta^2H$ and $\delta^{13}C_{DIC}$ along a transect from New Zealand to Antarctica using cavity ring-down isotope spectrometry. <i>Journal of Marine Systems</i> , 2014, 137, 21-27.	0.9	15
123	Spatial Variability of Antarctic Bottom Water in the Australian Antarctic Basin From 2018 to 2020 Captured by Deep Argo. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089467.	1.5	15
124	Warm Modified Circumpolar Deep Water Intrusions Drive Ice Shelf Melt and Inhibit Dense Shelf Water Formation in Vincennes Bay, East Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016998.	1.0	15
125	Upper ocean temperature and the baroclinic transport stream function relationship in Drake Passage. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	13
126	Detecting and Characterizing Ekman Currents in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2015, 45, 1205-1223.	0.7	13



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127	Ocean circulation and frontal structure near the southern Kerguelen Plateau: The physical context for the Kerguelen Axis ecosystem study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, .	0.6	12
128	Rapid development and persistence of a massive Antarctic sea ice tongue. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	11
129	Along-slope Variability of Cross-slope Eddy Transport in East Antarctica. <i>Geophysical Research Letters</i> , 2019, 46, 8224-8233.	1.5	11
130	Near-bottom current direction inferred from comatulid crinoid feeding postures on the Terre Adélie and George V shelf, East Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 163-169.	0.6	10
131	Atlantic-Pacific asymmetry of subsurface temperature change and frontal response of the Antarctic Circumpolar Current for the recent three decades. <i>Journal of Oceanography</i> , 2015, 71, 623-636.	0.7	10
132	Residence Time and Transformation of Warm Circumpolar Deep Water on the Antarctic Continental Shelf. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096092.	1.5	9
133	Antarctic Circumpolar Current. , 2019, , 248-261.		7
134	A Continental Shelf Pump for CO <sub>2</sub> on the Adélie Land Coast, East Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016302.	1.0	6
135	Bathymetry-Constrained Navigation of Argo Floats Under Sea Ice on the Antarctic Continental Shelf. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087019.	1.5	6
136	Subpolar Southern Ocean Response to Changes in the Surface Momentum, Heat, and Freshwater Fluxes under 2xCO <sub>2</sub> . <i>Journal of Climate</i> , 2021, 34, 8755-8775.	1.2	6
137	The Role of the Oceans in Southern Hemisphere Climate. , 1998, , 283-306.		6
138	The Southern Ocean in the Earth System. , 2011, , 175-187.		6
139	Seasonal Transformation and Spatial Variability of Water Masses Within MacKenzie Polynya, Prydz Bay. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	1.0	5
140	Dynamics of a Standing Meander of the Subantarctic Front Diagnosed from Satellite Altimetry and Along-Stream Anomalies of Temperature and Salinity. <i>Journal of Physical Oceanography</i> , 2022, 52, 1073-1089.	0.7	2
141	Distribution of Hydrocorals Along the George V Slope, East Antarctica. , 2012, , 717-726.		1
142	Hydrothermal Heat Enhances Abyssal Mixing in the Antarctic Circumpolar Current. <i>Geophysical Research Letters</i> , 2019, 46, 812-821.	1.5	1
143	Large-Scale Ocean Circulation: Deep Circulation and Meridional Overturning. , 2013, , 199-232.		1
144	Atlantic-Pacific asymmetry of subsurface temperature change and frontal response of the Antarctic Circumpolar Current for the recent three decades. , 2016, , 157-170.		0