Ocean forcing of glacier retreat in the western Antarctic

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Citation Report

#	Article	IF	CITATIONS
1	Temporal Changes in the Antarctic Circumpolar Current: Implications for the Antarctic Continental Shelves., 2016, 29, 96-105.		24
2	Future sea-level rise from tidewater and ice-shelf tributary glaciers of the Antarctic Peninsula. Earth and Planetary Science Letters, 2016, 453, 161-170.	1.8	8
3	Impact of model resolution for onâ€shelf heat transport along the <scp>W</scp> est <scp>A</scp> ntarctic <scp>P</scp> eninsula. Journal of Geophysical Research: Oceans, 2016, 121, 7880-7897.	1.0	45
4	Holocene glacial activity in <scp>B</scp> arilari <scp>B</scp> ay, west <scp>A</scp> ntarctic <scp>P</scp> eninsula, tracked by magnetic mineral assemblages: <scp>L</scp> inking ice, ocean, and atmosphere. Geochemistry, Geophysics, Geosystems, 2016, 17, 4553-4565.	1.0	6
5	Ocean acidification and calcium carbonate saturation states in the coastal zone of the West Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 139, 181-194.	0.6	49
6	Macronutrient supply, uptake and recycling in the coastal ocean of the west Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 139, 58-76.	0.6	44
7	Marine studies at the western Antarctic Peninsula: Priorities, progress and prognosis. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 139, 1-8.	0.6	28
8	Past penguin colony responses to explosive volcanism on the Antarctic Peninsula. Nature Communications, 2017, 8, 14914.	5.8	53
9	Increased ice flow in Western Palmer Land linked to ocean melting. Geophysical Research Letters, 2017, 44, 4159-4167.	1.5	47
10	Oceanographic influences on the stability of the Cosgrove Ice Shelf, Antarctica. Holocene, 2017, 27, 1645-1658.	0.9	20
11	Polar clouds and radiation in satellite observations, reanalyses, and climate models. Geophysical Research Letters, 2017, 44, 3355-3364.	1.5	68
12	Temporal controls on silicic acid utilisation along the West Antarctic Peninsula. Nature Communications, 2017, 8, 14645.	5.8	3
13	Summer microbial community composition governed by upper-ocean stratification and nutrient availability in northern Marguerite Bay, Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 139, 151-166.	0.6	22
14	Widespread Biological Response to Rapid Warming on the Antarctic Peninsula. Current Biology, 2017, 27, 1616-1622.e2.	1.8	102
15	Controls on dissolved and particulate iron distributions in surface waters of the Western Antarctic Peninsula shelf. Marine Chemistry, 2017, 196, 81-97.	0.9	60
16	Iceberg killing fields limit huge potential for benthic blue carbon in Antarctic shallows. Global Change Biology, 2017, 23, 2649-2659.	4.2	96
17	Recent regional climate cooling on the Antarctic Peninsula and associated impacts on the cryosphere. Science of the Total Environment, 2017, 580, 210-223.	3.9	204
18	Peatland Ecosystem Processes in the Maritime Antarctic During Warm Climates. Scientific Reports, 2017, 7, 12344.	1.6	17

#	Article	IF	CITATIONS
19	CO <sub>2</sub> â€Induced Ocean Warming of the Antarctic Continental Shelf in an Eddying Global Climate Model. Journal of Geophysical Research: Oceans, 2017, 122, 8079-8101.	1.0	29
20	Rapid drawdown of Antarctica's Wordie Ice Shelf glaciers in response to ENSO/Southern Annular Mode-driven warming in the Southern Ocean. Earth and Planetary Science Letters, 2017, 476, 100-110.	1.8	26
21	Localized rapid warming of West Antarctic subsurface waters by remote winds. Nature Climate Change, 2017, 7, 595-603.	8.1	91
22	Spiraling pathways of global deep waters to the surface of the Southern Ocean. Nature Communications, 2017, 8, 172.	5.8	144
23	Distribution of <scp>U</scp> pper <scp>C</scp> ircumpolar <scp>D</scp> eep <scp>W</scp> ater on the warming continental shelf of the <scp>W</scp> est <scp>A</scp> ntarctic <scp>P</scp> eninsula. Journal of Geophysical Research: Oceans, 2017, 122, 5306-5315.	1.0	49
24	Revealing higher than expected meiofaunal diversity in Antarctic sediments: a metabarcoding approach. Scientific Reports, 2017, 7, 6094.	1.6	51
25	Rapid ice unloading in the Fleming Glacier region, southern Antarctic Peninsula, and its effect on bedrock uplift rates. Earth and Planetary Science Letters, 2017, 473, 164-176.	1.8	29
26	Characteristics of the modelled meteoric freshwater budget of the western Antarctic Peninsula.  Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 139, 31-39.	0.6	20
27	Functional characterization of the circadian clock in the Antarctic krill, Euphausia superba. Scientific Reports, 2017, 7, 17742.	1.6	52
28	Assessing Drivers of Coastal Primary Production in Northern Marguerite Bay, Antarctica. Frontiers in Marine Science, 2017, 4, .	1.2	13
29	Atlantic Water advection vs. glacier dynamics in northern Spitsbergen since early deglaciation. Climate of the Past, 2017, 13, 1717-1749.	1.3	31
30	Transformation of Deep Water Masses Along Lagrangian Upwelling Pathways in the Southern Ocean. Journal of Geophysical Research: Oceans, 2018, 123, 1994-2017.	1.0	31
31	Sources, variability and fate of freshwater in the Bellingshausen Sea, Antarctica. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 133, 59-71.	0.6	14
32	Rigorous 3D change determination in Antarctic Peninsula glaciers from stereo WorldView-2 and archival aerial imagery. Remote Sensing of Environment, 2018, 205, 18-31.	4.6	36
33	Three decades of deep water mass investigation in the Weddell Sea (1984–2014): Temporal variability and changes. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 70-83.	0.6	27
34	Biodiversity patterns of rock encrusting fauna from the shallow sublittoral of the Admiralty Bay. Marine Environmental Research, 2018, 139, 169-181.	1.1	8
35	Revealing recent calving activity of a tidewater glacier with terrestrial LiDAR reflection intensity. Cold Regions Science and Technology, 2018, 151, 288-301.	1.6	9
36	Carbonate system properties in the Gerlache Strait, Northern Antarctic Peninsula (February 2015): I. Sea–Air CO2 fluxes. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 171-181.	0.6	18

3

#	Article	IF	CITATIONS
37	Carbonate system properties in the Gerlache Strait, Northern Antarctic Peninsula (February 2015): II. Anthropogenic CO2 and seawater acidification. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 182-192.	0.6	19
38	Modern Glaciomarine Environments and Sediments. , 2018, , 181-272.		7
39	Past and future evolution of the marine carbonate system in a coastal zone of the Northern Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 193-205.	0.6	18
40	Subsurface iceberg melt key to Greenland fjord freshwater budget. Nature Geoscience, 2018, 11, 49-54.	5.4	80
41	Impact of sea ice on the structure of phytoplankton communities in the northern Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 111-123.	0.6	29
42	Spatially coherent late Holocene Antarctic Peninsula surface air temperature variability. Geology, 2018, 46, 1071-1074.	2.0	20
43	The marine system of the West Antarctic Peninsula: status and strategy for progress. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170179.	1.6	13
44	Recent dynamic changes on Fleming Glacier after the disintegration of Wordie Ice Shelf, Antarctic Peninsula. Cryosphere, 2018, 12, 1347-1365.	1.5	29
45	Spatial variability of biogeochemistry in shallow coastal benthic communities of Potter Cove (Antarctica) and the impact of a melting glacier. PLoS ONE, 2018, 13, e0207917.	1.1	14
46	Simulated retreat of Jakobshavn Isbr $ ilde{A}^{\dagger}_{l}$ since the Little Ice Age controlled by geometry. Cryosphere, 2018, 12, 2249-2266.	1.5	14
47	Ocean Stratification and Low Melt Rates at the Ross Ice Shelf Grounding Zone. Journal of Geophysical Research: Oceans, 2018, 123, 7438-7452.	1.0	61
48	Velocity increases at Cook Glacier, East Antarctica, linked to ice shelf loss and a subglacial flood event. Cryosphere, 2018, 12, 3123-3136.	1.5	26
49	Basal friction of Fleming Glacier, Antarctica – Part 1: Sensitivity of inversion to temperature and bedrock uncertainty. Cryosphere, 2018, 12, 2637-2652.	1.5	19
50	Oceanic Heat Delivery to the Antarctic Continental Shelf: Largeâ€Scale, Lowâ€Frequency Variability. Journal of Geophysical Research: Oceans, 2018, 123, 7678-7701.	1.0	37
51	Basal friction of Fleming Glacier, Antarctica – PartÂ2: Evolution fromÂ2008 toÂ2015. Cryosphere, 2018, 12, 2653-2666.	1.5	5
52	Largeâ€6cale Intrusion of Circumpolar Deep Water on Antarctic Margin Recorded by Stylasterid Corals. Paleoceanography and Paleoclimatology, 2018, 33, 1306-1321.	1.3	8
53	Remote Sensing of Antarctic Glacier and Ice-Shelf Front Dynamics—A Review. Remote Sensing, 2018, 10, 1445.	1.8	42
54	Origin of Circumpolar Deep Water intruding onto the Amundsen and Bellingshausen Sea continental shelves. Nature Communications, 2018, 9, 3403.	5.8	69

#	Article	IF	Citations
55	Effects of short-term thermal stress on the plasma biochemical profiles of two Antarctic nototheniid species. Reviews in Fish Biology and Fisheries, 2018, 28, 925-940.	2.4	9
56	Anatomy of a glacial meltwater discharge event in an Antarctic cove. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170163.	1.6	36
57	Icebergs, sea ice, blue carbon and Antarctic climate feedbacks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170176.	1.6	65
58	Macronutrient and carbon supply, uptake and cycling across the Antarctic Peninsula shelf during summer. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170168.	1.6	20
59	Shelf–ocean exchange and hydrography west of the Antarctic Peninsula: a review. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170164.	1.6	93
60	A â€~shallow bathtub ring' of local sedimentary iron input maintains the Palmer Deep biological hotspot on the West Antarctic Peninsula shelf. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170171.	1.6	52
61	Benthic meltwater fjord habitats formed by rapid glacier recession on King George Island, Antarctica. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170178.	1.6	21
62	Changes in glacier dynamics in the northern Antarctic Peninsula since 1985. Cryosphere, 2018, 12, 577-594.	1.5	30
63	Seasonal Evolution of Ocean Heat Supply and Freshwater Discharge From a Rapidly Retreating Tidewater Glacier: Jorge Montt, Patagonia. Journal of Geophysical Research: Oceans, 2018, 123, 4200-4223.	1.0	19
64	The sensitivity of the Greenland Ice Sheet to glacial–interglacial oceanic forcing. Climate of the Past, 2018, 14, 455-472.	1.3	11
65	Terrestrial Environments and Surface Types of the Polar Regions. , 0, , 165-234.		0
66	Impact of Fjord Geometry on Grounding Line Stability. Frontiers in Earth Science, 2018, 6, .	0.8	15
67	Reconciling Drivers of Seasonal Terminus Advance and Retreat at 13 Central West Greenland Tidewater Glaciers. Journal of Geophysical Research F: Earth Surface, 2018, 123, 1590-1607.	1.0	39
68	Linear response of east Greenland's tidewater glaciers to ocean/atmosphere warming. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7907-7912.	3.3	51
69	Interplay of grounding-line dynamics and sub-shelf melting during retreat of the BjĄ̃rnĄ̃yrenna Ice Stream. Scientific Reports, 2018, 8, 7196.	1.6	10
71	Holocene paleoceanography of Bigo Bay, west Antarctic Peninsula: Connections between surface water productivity and nutrient utilization and its implication for surface-deep water mass exchange. Quaternary Science Reviews, 2018, 192, 59-70.	1.4	19
74	Ensemble Modeling of Antarctic Macroalgal Habitats Exposed to Glacial Melt in a Polar Fjord. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	21
75	Subglacial water pressure and ice-speed variations at Johnsons Glacier, Livingston Island, Antarctic Peninsula. Journal of Glaciology, 2019, 65, 689-699.	1.1	8

#	Article	IF	Citations
76	Volcanically Triggered Ocean Warming Near the Antarctic Peninsula. Scientific Reports, 2019, 9, 9462.	1.6	6
77	Spatial and temporal dynamics of Antarctic shallow soft-bottom benthic communities: ecological drivers under climate change. BMC Ecology, 2019, 19, 27.	3.0	23
78	Lack of long-term acclimation in Antarctic encrusting species suggests vulnerability to warming. Nature Communications, 2019, 10, 3383.	5.8	21
79	Regional Climate Change Recorded in Moss Oxygen and Carbon Isotopes from a Late Holocene Peat Archive in the Western Antarctic Peninsula. Geosciences (Switzerland), 2019, 9, 282.	1.0	3
80	Temporal Stability of Bacterial Communities in Antarctic Sponges. Frontiers in Microbiology, 2019, 10, 2699.	1.5	44
81	Variability of Sediment Accumulation Rates in an Antarctic Fjord. Geophysical Research Letters, 2019, 46, 13271-13280.	1.5	15
82	Implications of Glacial Melt-Related Processes on the Potential Primary Production of a Microphytobenthic Community in Potter Cove (Antarctica). Frontiers in Marine Science, 2019, 6, .	1.2	12
83	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.	1.0	7
84	Effect of gradual temperature increase on the carbohydrate energy metabolism responses of the Antarctic fish Notothenia rossii. Marine Environmental Research, 2019, 150, 104779.	1.1	22
85	Origin and Attenuation of Mesoscale Structure in Circumpolar Deep Water Intrusions to an Antarctic Shelf. Journal of Physical Oceanography, 2019, 49, 1293-1318.	0.7	13
86	Response of an Antarctic Peninsula Fjord to Summer Katabatic Wind Events. Journal of Physical Oceanography, 2019, 49, 1485-1502.	0.7	11
87	Phytoplankton composition and bloom formation in unexplored nearshore waters of the western Antarctic Peninsula. Polar Biology, 2019, 42, 1859-1872.	0.5	18
88	Role of suspension feeders in antarctic pelagic-benthic coupling: Trophic ecology and potential carbon sinks under climate change. Marine Environmental Research, 2019, 152, 104790.	1.1	6
89	Ongoing ocean warming threatens the rich and diverse macrobenthic communities of the Antarctic continental shelf. Progress in Oceanography, 2019, 178, 102180.	1.5	9
90	Spatial and Temporal Variability of Glacier Surface Velocities and Outlet Areas on James Ross Island, Northern Antarctic Peninsula. Geosciences (Switzerland), 2019, 9, 374.	1.0	5
91	The Antarctic Peninsula Under a $1.5 \hat{A}^{\circ}C$ Global Warming Scenario. Frontiers in Environmental Science, 2019, 7, .	1.5	117
92	Patterns of total mercury and methylmercury bioaccumulation in Antarctic krill (Euphausia superba) along the West Antarctic Peninsula. Science of the Total Environment, 2019, 688, 174-183.	3.9	21
93	Surface radiation balance and weather conditions on a non-glaciated coastal area in the Antarctic region. Polar Science, 2019, 20, 117-128.	0.5	6

#	Article	IF	Citations
94	Processes and patterns of glacier-influenced sedimentation and recent tidewater glacier dynamics in Darbel Bay, western Antarctic Peninsula. Antarctic Science, 2019, 31, 218-227.	0.5	7
95	A cultivated area forecasting approach in artificial oases under climate change and human activities. Journal of Arid Land, 2019, 11, 400-418.	0.9	1
96	Climate Change and the Anthropocene. , 2019, , 200-241.		0
97	History and Development of the Anthropocene as a Stratigraphic Concept. , 2019, , 1-40.		O
98	Stratigraphic Signatures of the Anthropocene. , 2019, , 41-108.		0
99	The Biostratigraphic Signature of the Anthropocene. , 2019, , 109-136.		1
100	The Stratigraphic Boundary of the Anthropocene. , 2019, , 242-286.		0
101	Circumpolar Deep Water Impacts Glacial Meltwater Export and Coastal Biogeochemical Cycling Along the West Antarctic Peninsula. Frontiers in Marine Science, 2019, 6, .	1.2	23
102	The Technosphere and Its Physical Stratigraphic Record. , 2019, , 137-155.		1
103	Atmospheric Dynamics Footprint on the January 2016 Ice Sheet Melting in West Antarctica. Geophysical Research Letters, 2019, 46, 2829-2835.	1.5	10
104	Variability and change in the west Antarctic Peninsula marine system: Research priorities and opportunities. Progress in Oceanography, 2019, 173, 208-237.	1.5	102
105	Patterns of spatio-temporal paraglacial response in the Antarctic Peninsula region and associated ecological implications. Earth-Science Reviews, 2019, 192, 379-402.	4.0	28
106	Atmospheric forcing of rapid marine-terminating glacier retreat in the Canadian Arctic Archipelago. Science Advances, 2019, 5, eaau8507.	4.7	48
107	Degradation of macroalgal detritus in shallow coastal Antarctic sediments. Limnology and Oceanography, 2019, 64, 1423-1441.	1.6	47
108	Anthropocene Chemostratigraphy. , 2019, , 156-199.		0
109	Oceanographic Variability induced by Tides, the Intraseasonal Cycle and Warm Subsurface Water intrusions in Maxwell Bay, King George Island (West-Antarctica). Scientific Reports, 2019, 9, 18571.	1.6	24
110	Characterizing the influence of Atlantic water intrusion on water mass formation and phytoplankton distribution in Kongsfjorden, Svalbard. Continental Shelf Research, 2019, 191, 104005.	0.9	25
111	Antarctic environmental change and biological responses. Science Advances, 2019, 5, eaaz0888.	4.7	215

#	Article	IF	CITATIONS
112	Subglacial topography and thickness of ice caps on the Argentine Islands. Antarctic Science, 2019, 31, 332-344.	0.5	11
113	Instantaneous Antarctic ice sheet mass loss driven by thinning ice shelves. Geophysical Research Letters, 2019, 46, 13903-13909.	1.5	106
114	Enhanced glacial discharge from the eastern Antarctic Peninsula since the 1700s associated with a positive Southern Annular Mode. Scientific Reports, 2019, 9, 14606.	1.6	25
115	Predicting Which Species Succeed in Climate-Forced Polar Seas. Frontiers in Marine Science, 2019, 5, .	1.2	41
116	Four decades of Antarctic Ice Sheet mass balance from 1979–2017. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1095-1103.	3.3	662
117	Trace metal partitioning in the top meter of the ocean. Science of the Total Environment, 2019, 652, 907-914.	3.9	18
118	A comparison of modelled ice thickness and volume across the entire Antarctic Peninsula region. Geografiska Annaler, Series A: Physical Geography, 2019, 101, 45-67.	0.6	7
119	Recent changes in two outlet glaciers in the Antarctic Peninsula using multi-temporal Landsat and Sentinel-1 data. Geocarto International, 2020, 35, 1233-1244.	1.7	2
120	Changes in Antarctic coastline between 1997 and 2016 using RADARSAT and MODIS data. International Journal of Remote Sensing, 2020, 41, 1389-1414.	1.3	5
121	Antarctic Futures: An Assessment of Climate-Driven Changes in Ecosystem Structure, Function, and Service Provisioning in the Southern Ocean. Annual Review of Marine Science, 2020, 12, 87-120.	5.1	140
122	Remote sensing of glacier and ice sheet grounding lines: A review. Earth-Science Reviews, 2020, 201, 102948.	4.0	30
123	Spatial and temporal analysis of changes in the glaciers of the Antarctic Peninsula. Global and Planetary Change, 2020, 184, 103079.	1.6	24
124	Ocean freshening and acidification differentially influence mortality and behavior of the Antarctic amphipod Gondogeneia antarctica. Marine Environmental Research, 2020, 154, 104847.	1.1	14
125	Remote sensing of ice motion in Antarctica – A review. Remote Sensing of Environment, 2020, 237, 111595.	4.6	22
126	Future Evolution of Greenland's Marineâ€√Ferminating Outlet Glaciers. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2018JF004873.	1.0	57
127	Hydrography and energetics of a cold subpolar fjord: Andvord Bay, western Antarctic Peninsula. Progress in Oceanography, 2020, 181, 102224.	1.5	13
128	Evaluation of UAV and satellite-derived NDVI to map maritime Antarctic vegetation. Applied Geography, 2020, 125, 102322.	1.7	28
129	14C and 10Be dated Late Holocene fluctuations of Patagonian glaciers in Torres del Paine (Chile, $51\hat{A}^{\circ}S$ ) and connections to Antarctic climate change. Quaternary Science Reviews, 2020, 246, 106541.	1.4	8

#	ARTICLE	IF	CITATIONS
130	Changes in Phytoplankton Communities Along the Northern Antarctic Peninsula: Causes, Impacts and Research Priorities. Frontiers in Marine Science, 2020, 7, .	1.2	32
131	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.	1.0	6
132	Intense deposition and rapid processing of seafloor phytodetritus in a glaciomarine fjord, Andvord Bay (Antarctica). Progress in Oceanography, 2020, 187, 102413.	1.5	11
133	Changing Biogeochemistry of the Southern Ocean and Its Ecosystem Implications. Frontiers in Marine Science, 2020, 7, .	1.2	100
134	Genesis of the Antarctic Slope Current in West Antarctica. Geophysical Research Letters, 2020, 47, e2020GL087802.	1.5	28
135	The role of internal climate variability in projecting Antarctica's contribution to future sea-level rise. Climate Dynamics, 2020, 55, 1875-1892.	1.7	13
136	Variation in zoobenthic blue carbon in the Arctic's Barents Sea shelf sediments. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190362.	1.6	13
137	Temporal Changes Over Major Antarctic Ice Shelve Margins During 2001–2016. Journal of the Indian Society of Remote Sensing, 2020, 48, 1509-1522.	1.2	1
138	Distribution and Control of Bacterial Community Composition in Marian Cove Surface Waters, King George Island, Antarctica during the Summer of 2018. Microorganisms, 2020, 8, 1115.	1.6	10
139	Trends in Atmospheric Humidity and Temperature above Dome C, Antarctica Evaluated from Observations and Reanalyses. Atmosphere, 2020, 11, 836.	1.0	6
140	Abundance and Distributional Patterns of Benthic Peracarid Crustaceans From the Atlantic Sector of the Southern Ocean and Weddell Sea. Frontiers in Marine Science, 2020, 7, .	1.2	7
141	The Sensitivity of the Antarctic Ice Sheet to a Changing Climate: Past, Present, and Future. Reviews of Geophysics, 2020, 58, e2019RG000663.	9.0	49
142	Default versus Configured-Geostatistical Modeling of Suspended Particulate Matter in Potter Cove, West Antarctic Peninsula. Fluids, 2020, 5, 235.	0.8	6
143	Global Drivers on Southern Ocean Ecosystems: Changing Physical Environments and Anthropogenic Pressures in an Earth System. Frontiers in Marine Science, 2020, 7, .	1.2	79
144	Effects of Low pH and Low Salinity Induced by Meltwater Inflow on the Behavior and Physical Condition of the Antarctic Limpet, Nacella concinna. Journal of Marine Science and Engineering, 2020, 8, 822.	1.2	10
145	Modeling the vertical structure of the ice shelf–ocean boundary current under supercooled condition with suspended frazil ice processes: A case study underneath the Amery Ice Shelf, East Antarctica. Ocean Modelling, 2020, 156, 101712.	1.0	4
146	Spatially Coherent Intraseasonal Velocity Fluctuations on the Western Antarctic Peninsula Shelf. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015770.	1.0	4
147	Seaâ€lce Induced Southern Ocean Subsurface Warming and Surface Cooling in a Warming Climate. AGU Advances, 2020, 1, e2019AV000132.	2.3	39

#	Article	IF	CITATIONS
148	Analysis of Antarctic Peninsula glacier frontal ablation rates with respect to iceberg melt-inferred variability in ocean conditions. Journal of Glaciology, 2020, 66, 457-470.	1.1	17
149	Recent climate trends. , 2020, , 241-257.		1
150	Interannual-to-Multidecadal Responses of Antarctic Ice Shelf–Ocean Interaction and Coastal Water Masses during the Twentieth Century and the Early Twenty-First Century to Dynamic and Thermodynamic Forcing. Journal of Climate, 2020, 33, 4941-4973.	1.2	10
151	Preliminary Evidence for the Role Played by South Westerly Wind Strength on the Marine Diatom Content of an Antarctic Peninsula Ice Core (1980–2010). Geosciences (Switzerland), 2020, 10, 87.	1.0	6
152	Warming reaches the South Pole. Nature Climate Change, 2020, 10, 710-711.	8.1	18
153	Larval Dispersal Modeling Suggests Limited Ecological Connectivity Between Fjords on the West Antarctic Peninsula. Integrative and Comparative Biology, 2020, 60, 1369-1385.	0.9	2
154	Freshwater runoff effects on the production of biogenic silicate and chlorophyll-a in western Patagonia archipelago (50–51°S). Estuarine, Coastal and Shelf Science, 2020, 241, 106597.	0.9	11
155	Blue carbon gains from glacial retreat along Antarctic fjords: What should we expect?. Global Change Biology, 2020, 26, 2750-2755.	4.2	28
156	Particleâ€Size Distributions and Solubility of Aerosol Iron Over the Antarctic Peninsula During Austral Summer. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032082.	1.2	18
157	High-resolution orthophoto map and digital surface models of the largest Argentine Islands (the) Tj ETQq $1\ 1\ 0.7$	84314 rgB	T /Overlock
158	Suspension feeders as natural sentinels of the spatial variability in food sources in an Antarctic fjord: A stable isotope approach. Ecological Indicators, 2020, 115, 106378.	2.6	6
159	Late Quaternary glacier and seaâ€ice history of northern Wijdefjorden, Svalbard. Boreas, 2020, 49, 417-437.	1.2	21
160	Sensitivity of the summer upper ocean heat content in a Western Antarctic Peninsula fjord. Progress in Oceanography, 2020, 183, 102287.	1.5	7
161	Windâ€Driven Barotropic Velocity Dynamics on an Antarctic Shelf. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015771.	1.0	6
162	Hydrographic conditions during two austral summer situations (2015 and 2017) in the Gerlache and Bismarck straits, northern Antarctic Peninsula. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 161, 103278.	0.6	10
163	Molecular markers for fungal spores and biogenic SOA over the Antarctic Peninsula: Field measurements and modeling results. Science of the Total Environment, 2021, 762, 143089.	3.9	7
164	Antarctic ecosystem responses following iceâ€shelf collapse and iceberg calving: Science review and future research. Wiley Interdisciplinary Reviews: Climate Change, 2021, 12, .	3.6	25
165	Antarctic krill fishery effects over penguin populations under adverse climate conditions: Implications for the management of fishing practices. Ambio, 2021, 50, 560-571.	2.8	27

#	Article	IF	CITATIONS
166	Omega-3 nutraceuticals, climate change and threats to the environment: The cases of Antarctic krill and Calanus finmarchicus. Ambio, 2021, 50, 1184-1199.	2.8	5
167	A clustering-based approach to ocean model–data comparison around Antarctica. Ocean Science, 2021, 17, 131-145.	1.3	5
168	Ice sheet velocity tracking by Sentinel-1 satellite images at Graham Coast Kyiv Peninsula. Ukrainian Antarctic Journal, 2021, , 24-31.	0.1	2
169	Reframing Antarctica's ice loss: impacts of cryospheric change on local human activity. Polar Record, 2021, 57, .	0.4	1
170	Automated Detection of Marine Glacier Calving Fronts Using the 2-D Wavelet Transform Modulus Maxima Segmentation Method. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9047-9056.	2.7	10
171	The role of wind fetch in structuring Antarctic seabird breeding occupancy. Ibis, 2021, 163, 695-705.	1.0	2
172	The Vegetation of the South Shetland Islands and the Climatic Change. , $0$ , , .		1
173	Concentrations, particle-size distributions, and dry deposition fluxes of aerosol trace elements over the Antarctic Peninsula in austral summer. Atmospheric Chemistry and Physics, 2021, 21, 2105-2124.	1.9	10
174	Surface Elevation Variations on Lachman II Debris-covered Glacier (Ice-cored Rock Glacier), James Ross Island, Antarctic Peninsula, and Its Responses to Recent Climate Change. Journal of Geography (Chigaku Zasshi), 2021, 130, 27-41.	0.1	0
175	A novel hydrographic gridded data set for the northern Antarctic Peninsula. Earth System Science Data, 2021, 13, 671-696.	3.7	17
176	High-concentration sediment plumes, Horseshoe Island, western Antarctic Peninsula. Antarctic Science, 2021, 33, 213-216.	0.5	1
177	Multi-scale assessment of distribution and density of procellariiform seabirds within the Northern Antarctic Peninsula marine ecosystem. ICES Journal of Marine Science, 2021, 78, 1324-1339.	1.2	9
178	New insights from multi-proxy data from the West Antarctic continental rise: Implications for dating and interpreting Late Quaternary palaeoenvironmental records. Quaternary Science Reviews, 2021, 257, 106842.	1.4	14
179	Geometric Constraints on Glacial Fjord–Shelf Exchange. Journal of Physical Oceanography, 2021, 51, 1223-1246.	0.7	8
180	Can Antarctica's shallow zoobenthos †bounce back' from iceberg scouring impacts driven by climate change?. Global Change Biology, 2021, 27, 3157-3165.	4.2	13
181	The Shelf Circulation of the Bellingshausen Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016871.	1.0	9
182	Submarine landforms and seismic facies in Börgen Bay, Anvers Island: Imprints of the past glacial behaviour and climate influence in the Western Antarctic Peninsula. Polar Science, 2021, , 100695.	0.5	1
183	Krill availability in adjacent Adélie and gentoo penguin foraging regions near Palmer Station, Antarctica. Limnology and Oceanography, 2021, 66, 2234-2250.	1.6	10

#	Article	IF	CITATIONS
184	Low diversity of a key phytoplankton group along the West Antarctic Peninsula. Limnology and Oceanography, 2021, 66, 2470-2480.	1.6	13
185	Local―and Large‧cale Drivers of Variability in the Coastal Freshwater Budget of the Western Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017172.	1.0	10
187	Rates and Mechanisms of Turbulent Mixing in a Coastal Embayment of the West Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016861.	1.0	4
188	Historical and Future Projected Warming of Antarctic Shelf Bottom Water in CMIP6 Models. Geophysical Research Letters, 2021, 48, e2021GL092752.	1.5	34
189	Environmental drivers of circum-Antarctic glacier and ice shelf front retreat over the last two decades. Cryosphere, 2021, 15, 2357-2381.	1.5	21
190	Statistical emulation of a perturbed basal melt ensemble of an ice sheet model to better quantify Antarctic sea level rise uncertainties. Cryosphere, 2021, 15, 2683-2699.	1.5	6
191	A review of the observed air temperature in the Antarctic Peninsula. Did the warming trend come back after the early 21st hiatus?. Polar Science, 2021, 28, 100653.	0.5	38
192	The ecosystem approach to management of the Antarctic krill fishery - the †devils are in the detail' at small spatial and temporal scales. Journal of Marine Systems, 2022, 225, 103598.	0.9	30
193	Glaciological Monitoring Using the Sun as a Radio Source for Echo Detection. Geophysical Research Letters, 2021, 48, e2021GL092450.	1.5	8
194	Intermediate ice scour disturbance is key to maintaining a peak in biodiversity within the shallows of the Western Antarctic Peninsula. Scientific Reports, 2021, 11, 16712.	1.6	9
195	Phytoplankton succession during a massive coastal diatom bloom at Marian Cove, King George Island, Antarctica. Polar Biology, 2021, 44, 1993-2010.	0.5	6
196	A Generalized Interpolation Material Point Method for Shallow Ice Shelves. 1: Shallow Shelf Approximation and Ice Thickness Evolution. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002277.	1.3	2
197	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	12.2	85
198	High-resolution topography of the Antarctic Peninsula combining the TanDEM-X DEM and Reference Elevation Model of Antarctica (REMA) mosaic. Cryosphere, 2021, 15, 4421-4443.	1.5	7
199	Drivers of abundance and spatial distribution in Southern Ocean peracarid crustacea. Ecological Indicators, 2021, 128, 107832.	2.6	4
200	Societal importance of Antarctic negative feedbacks on climate change: blue carbon gains from sea ice, ice shelf and glacier losses. Die Naturwissenschaften, 2021, 108, 43.	0.6	4
201	Microplanktonic diatom assemblages dominated the primary production but not the biomass in an Antarctic fjord. Journal of Marine Systems, 2021, 224, 103624.	0.9	6
202	Physiological and molecular responses of the Antarctic harpacticoid copepod Tigriopus kingsejongensis to salinity fluctuations – A multigenerational study. Environmental Research, 2022, 204, 112075.	3.7	2

#	Article	IF	CITATIONS
203	Glacial melt disturbance shifts community metabolism of an Antarctic seafloor ecosystem from net autotrophy to heterotrophy. Communications Biology, 2021, 4, 148.	2.0	13
205	The Surface Mass Balance of the Ward Hunt Ice Shelf and Ward Hunt Ice Rise, Ellesmere Island, Nunavut, Canada. Springer Polar Sciences, 2017, , 149-183.	0.0	10
206	Simulated last deglaciation of the Barents Sea Ice Sheet primarily driven by oceanic conditions. Quaternary Science Reviews, 2020, 238, 106314.	1.4	14
208	Antarctic ecosystems in transition – life between stresses and opportunities. Biological Reviews, 2021, 96, 798-821.	4.7	53
209	Thermal Responses to Antarctic Ice Shelf Melt in an Eddy-Rich Global Ocean–Sea Ice Model. Journal of Climate, 2020, 33, 6599-6620.	1.2	53
210	Oceanography and Marine Biology. , 0, , .		6
211	Antarctic Marine Biodiversity: Adaptations, Environments and Responses to Change., 2018, , 105-236.		99
212	The influence of glacial melt and retreat on the nutritional condition of the bivalve Nuculana inaequisculpta (Protobranchia: Nuculanidae) in the West Antarctic Peninsula. PLoS ONE, 2020, 15, e0233513.	1.1	3
213	Diversity and community structure of bacterioplankton in surface waters off the northern tip of the Antarctic Peninsula. Polar Research, 2019, 38, .	1.6	8
214	Groundwater discharge to the western Antarctic coastal ocean. Polar Research, 2019, 38, .	1.6	8
215	Glacial dropstones: islands enhancing seafloor species richness of benthic megafauna in West Antarctic Peninsula fjords. Marine Ecology - Progress Series, 2017, 583, 1-14.	0.9	42
216	Sea ice dynamics in the Bransfield Strait, Antarctic Peninsula, during the past 240 years: a multi-proxy intercomparison study. Climate of the Past, 2020, 16, 2459-2483.	1.3	19
217	A complete glacier inventory of the Antarctic Peninsula based on LandsatÂ7 images from 2000 to 2002 and other preexisting data sets. Earth System Science Data, 2017, 9, 115-131.	3.7	16
218	The contrasting response of outlet glaciers to interior and ocean forcing. Cryosphere, 2020, 14, 2515-2535.	1.5	8
219	Polar Tourism as an Effective Research Tool: Citizen Science in the Western Antarctic Peninsula. Oceanography, 2020, 33, .	0.5	14
220	The importance of local settings: within-year variability in seawater temperature at South Bay, Western Antarctic Peninsula. PeerJ, 2018, 6, e4289.	0.9	44
221	High similarity in the microbiota of cold-water sponges of the Genus <i>Mycale</i> from two different geographical areas. PeerJ, 2018, 6, e4935.	0.9	62
222	Quantification of blue carbon pathways contributing to negative feedback on climate change following glacier retreat in West Antarctic fjords. Global Change Biology, 2022, 28, 8-20.	4.2	16

#	Article	IF	CITATIONS
223	Short-Term Meteorological and Environmental Signals Recorded in a Firn Core from a High-Accumulation Site on Plateau Laclavere, Antarctic Peninsula. Geosciences (Switzerland), 2021, 11, 428.	1.0	4
224	Blue carbon pathways in West Antarctic fjords. Global Change Biology, 2022, 28, 6-7.	4.2	0
225	Evolutionary constraints on physiology confound range shift predictions of two nacellid limpets. Science of the Total Environment, 2022, 806, 150943.	3.9	4
227	Evaluation of lipid biomarkers as proxies for sea ice and ocean temperatures along the Antarctic continental margin. Climate of the Past, 2021, 17, 2305-2326.	1.3	12
228	Vertical zonation of benthic invertebrates in the intertidal zone of Antarctica (Admiralty Bay, King) Tj ETQq0 0 0 rg	gBT /Overl 0.5	ogk 10 Tf 50
230	Terrestrial ecosystems of the Antarctic Peninsula and their responses to climate change and anthropogenic impacts. Ukrainian Antarctic Journal, 2020, , 84-97.	0.1	6
231	EFECTOS DEL CAMBIO CLIMÃTICO SOBRE LOS GLACIARES DEL COMPLEJO VOLCÃNICO NEVADOS DE CHILLÃN. Revista Geografica De Chile Terra Australis, 2020, 56, 5-13.	0.0	0
232	Long-term changes on the Bransfield Strait deep water masses: Variability, drivers and connections with the northwestern Weddell Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 179, 103667.	0.6	8
233	Parallel shape divergence between ecotypes of the limpet Nacella concinna along the Antarctic Peninsula: a new model species for parallel evolution?. Zoology, 2022, 150, 125983.	0.6	3
234	Rapid Mass Loss in West Antarctica Revealed by Swarm Gravimetry in the Absence of GRACE. Geophysical Research Letters, 2021, 48, .	1.5	9
235	The distribution of Fe across the shelf of the Western Antarctic Peninsula at the start of the phytoplankton growing season. Marine Chemistry, 2021, , 104066.	0.9	3
236	Impact of Freshwater Discharge on the Carbon Uptake Rate of Phytoplankton During Summer (January–February 2019) in Marian Cove, King George Island, Antarctica. Frontiers in Marine Science, 2021, 8, .	1.2	8
237	Automatic calving front extraction from digital elevation model-derived data. Remote Sensing of Environment, 2022, 270, 112854.	4.6	4
239	Variability and Dynamics of Along‧hore Exchange on the West Antarctic Peninsula (WAP) Continental Shelf. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	12
240	Environmental drivers of phytoplankton crops and taxonomic composition in northeastern Antarctic Peninsula adjacent sea area. Acta Oceanologica Sinica, 2022, 41, 99-117.	0.4	2
241	How to Get the Most Out of U-Net for Glacier Calving Front Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1712-1723.	2.3	9
242	Oceanographic and climatic influences on Trooz Glacier, Antarctica during the Holocene. Quaternary Science Reviews, 2022, 276, 107279.	1.4	4
243	Landfast Ice Controls on Turbulence in Antarctic Coastal Seas. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	5

#	Article	IF	CITATIONS
244	Climate drives long-term change in Antarctic Silverfish along the western Antarctic Peninsula. Communications Biology, 2022, 5, 104.	2.0	11
245	Chemotaxonomic characterization of the key genera of diatoms in the Northern Antarctic Peninsula. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20210584.	0.3	3
246	Benthic Biodiversity, Carbon Storage and the Potential for Increasing Negative Feedbacks on Climate Change in Shallow Waters of the Antarctic Peninsula. Biology, 2022, 11, 320.	1.3	8
247	Changes in area, flow speed and structure of southwest Antarctic Peninsula ice shelves in the 21st century. Journal of Glaciology, $0$ , $0$ , $0$ , $0$ , $0$ , $0$ , $0$ , $0$	1.1	1
248	Revisiting Potter Cove, King George Island, Antarctica, 12Âyears later: new observations of marine benthic diatoms. Botanica Marina, 2022, 65, 81-103.	0.6	3
249	The macro-and megabenthic fauna on the continental shelf of Prydz Bay, east Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2022, 198, 105052.	0.6	3
250	Modelling suspended particulate matter dynamics at an Antarctic fjord impacted by glacier melt. Journal of Marine Systems, 2022, 231, 103734.	0.9	6
251	Stability of the Microbiome of the Sponge Mycale (Oxymycale) acerata in the Western Antarctic Peninsula. Frontiers in Microbiology, 2022, 13, 827863.	1.5	10
252	Variation in magnetic susceptibility in the Bellingshausen Sea continental rise since the last glacial period and implications for terrigenous material input mechanisms. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 594, 110948.	1.0	2
253	Aerosol iron speciation and seasonal variation of iron oxidation state over the western Antarctic Peninsula. Science of the Total Environment, 2022, 824, 153890.	3.9	5
254	Developing a convolutional neural network to classify phytoplankton images collected with an Imaging FlowCytobot along the West Antarctic Peninsula., 2021,,.		0
255	Acceleration of Dynamic Ice Loss in Antarctica From Satellite Gravimetry. Frontiers in Earth Science, 2021, 9, .	0.8	10
256	Seasonal dispersal of fjord meltwaters as an important source of iron and manganese to coastal Antarctic phytoplankton. Biogeosciences, 2021, 18, 6349-6375.	1.3	14
257	Upper Mantle Viscosity Underneath Northern Marguerite Bay, Antarctic Peninsula Constrained by Bedrock Uplift and Ice Mass Variability. Geophysical Research Letters, 2021, 48, .	1.5	8
258	Large diatom bloom off the Antarctic Peninsula during cool conditions associated with the 2015/2016 El Ni $\tilde{A}\pm 0$ . Communications Earth & Environment, 2021, 2, .	2.6	15
259	Interpopulational differences in the nutritional condition of <i>Aequiyoldia eightsii</i> (Protobranchia: Nuculanidae) from the Western Antarctic Peninsula during austral summer. PeerJ, 2021, 9, e12679.	0.9	1
260	Glacial meltwater input to the ocean around the Antarctic Peninsula: forcings and consequences. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20210811.	0.3	2
261	Estimating the average distribution of Antarctic krill Euphausia superba at the northern Antarctic Peninsula during austral summer and winter. Polar Biology, 2022, 45, 857-871.	0.5	11

#	Article	IF	CITATIONS
262	Glacier geometry and flow speed determine how Arctic marine-terminating glaciers respond to lubricated beds. Cryosphere, 2022, 16, 1431-1445.	1.5	2
263	Seasonal circulation and volume transport of the Bransfield Current. Progress in Oceanography, 2022, 204, 102795.	1.5	7
281	Voluntary actions by the Antarctic krill fishing industry help reduce potential negative impacts on land-based marine predators during breeding, highlighting the need for CCAMLR action. ICES Journal of Marine Science, 2022, 79, 1457-1466.	1.2	9
282	The marine carbonate system along the northern Antarctic Peninsula: current knowledge and future perspectives. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20210825.	0.3	3
283	Atmospheric Triggers of the Brunt Ice Shelf Calving in February 2021. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	8
284	The circum-Antarctic ice-shelves respond to a more positive Southern Annular Mode with regionally varied melting. Communications Earth & Environment, 2022, 3, .	2.6	12
285	History of Anvers-Hugo Trough, western Antarctic Peninsula shelf, since the Last Glacial Maximum. Part II: Palaeo-productivity and palaeoceanographic changes during the Last Glacial Transition. Quaternary Science Reviews, 2022, , 107503.	1.4	0
286	Long-Term Warm–Cold Phase Shifts in the Gerlache Strait, Western Antarctic Peninsula. Frontiers in Marine Science, 0, 9, .	1.2	1
287	Variability in the Carbon and Nitrogen Uptake Rates of Phytoplankton Associated With Wind Speed and Direction in the Marian Cove, Antarctica. Frontiers in Marine Science, 0, 9, .	1.2	6
288	Evaluation of basal melting parameterisations using in situ ocean and melting observations from the Amery Ice Shelf, East Antarctica. Ocean Science, 2022, 18, 1109-1130.	1.3	4
289	Heat tolerance of marine ectotherms in a warming Antarctica. Global Change Biology, 2023, 29, 179-188.	4.2	11
290	New confirmed depth limit of Antarctic macroalgae: Palmaria decipiens found at 100Âm depth in the Southern Ocean. Polar Biology, 0, , .	0.5	3
291	Antarctic Peninsula warming triggers enhanced basal melt rates throughout West Antarctica. Science Advances, 2022, 8, .	4.7	20
292	History of Anvers-Hugo Trough, western Antarctic Peninsula shelf, since the Last Glacial Maximum. Part I: Deglacial history based on new sedimentological and chronological data. Quaternary Science Reviews, 2022, 291, 107590.	1.4	3
293	Classic or hybrid? The performance of next generation ecological models to study the response of Southern Ocean species to changing environmental conditions. Diversity and Distributions, 0, , .	1.9	1
294	Windâ€Induced Variability of Warm Water on the Southern Bellingshausen Sea Continental Shelf. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	2
295	Innovative Method of Combing Multidecade Remote Sensing Data for Detecting Precollapse Elevation Changes of Glaciers in the Larsen B Region, Antarctica. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 9699-9715.	2.3	1
296	Effects of temperature and starvation on life history traits and fatty acid profiles of the Antarctic copepod Tigriopus kingsejongensis. Regional Studies in Marine Science, 2023, 57, 102743.	0.4	3

#	ARTICLE	IF	CITATIONS
297	Internal tsunamigenesis and ocean mixing driven by glacier calving in Antarctica. Science Advances, 2022, 8, .	4.7	5
298	Antarctic Seabed Assemblages in an Ice-Shelf-Adjacent Polynya, Western Weddell Sea. Biology, 2022, 11, 1705.	1.3	1
299	Windâ€Driven Seasonal Intrusion of Modified Circumpolar Deep Water Onto the Continental Shelf in Prydz Bay, East Antarctica. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	2
300	Upper thermal limits and risk of mortality of coastal Antarctic ectotherms. Frontiers in Marine Science, 0, 9, .	1.2	1
301	Kill dates from re-exposed black mosses constrain past glacier advances in the northern Antarctic Peninsula. Geology, 2023, 51, 257-261.	2.0	3
302	Cryptophytes: An emerging algal group in the rapidly changing Antarctic Peninsula marine environments. Global Change Biology, 2023, 29, 1791-1808.	4.2	10
303	Slowdown of Shirase Glacier, East Antarctica, caused by strengthening alongshore winds. Cryosphere, 2023, 17, 445-456.	1.5	8
304	Characterizing coastal phytoplankton seasonal succession patterns on the West Antarctic Peninsula. Limnology and Oceanography, 2023, 68, 845-861.	1.6	6
305	Antarctic shelf ocean warming and sea ice melt affected by projected El Niño changes. Nature Climate Change, 2023, 13, 235-239.	8.1	11
306	Drivers of Marine CO <sub>2</sub> â€Carbonate Chemistry in the Northern Antarctic Peninsula. Global Biogeochemical Cycles, 2023, 37, .	1.9	3
307	Continued glacial retreat linked to changing macronutrient supply along the West Antarctic Peninsula. Marine Chemistry, 2023, 251, 104230.	0.9	3
308	Widespread seasonal speed-up of west Antarctic Peninsula glaciers from 2014 to 2021. Nature Geoscience, 2023, 16, 231-237.	5.4	10
309	Water masses in the Caribbean Sea and sub-annual variability in the Guajira upwelling region. Ocean Dynamics, 2023, 73, 39-57.	0.9	1
310	Strategy for the Adaptation to Stressful Conditions of the Novel Isolated Conditional Piezophilic Strain Halomonas titanicae ANRCS81. Applied and Environmental Microbiology, 2023, 89, .	1.4	4
311	IceLines – A new data set of Antarctic ice shelf front positions. Scientific Data, 2023, 10, .	2.4	4
312	Assessing controls on ice dynamics at Crane Glacier, Antarctic Peninsula, using a numerical ice flow model. Journal of Glaciology, $0$ , $1 \cdot 16$ .	1.1	0
313	Southern Ocean warming and its climatic impacts. Science Bulletin, 2023, 68, 946-960.	4.3	9
342	Short- and long-term variability of the Antarctic and Greenland ice sheets. Nature Reviews Earth & Environment, 2024, 5, 193-210.	12.2	0

# Article IF Citations