

Climate change and Southern Ocean ecosystems I: how directly affect marine biota

Global Change Biology

20, 3004-3025

DOI: [10.1111/gcb.12623](https://doi.org/10.1111/gcb.12623)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Changes in the C, N, and P cycles by the predicted salps-krill shift in the southern ocean. <i>Frontiers in Marine Science</i> , 2014, 1, .	2.5	22
2	Proliferation of East Antarctic Adélie penguins in response to historical deglaciation. <i>BMC Evolutionary Biology</i> , 2015, 15, 236.	3.2	33
3	Extreme ecological response of a seabird community to unprecedented sea ice cover. <i>Royal Society Open Science</i> , 2015, 2, 140456.	2.4	41
4	An updated synthesis of the observed and projected impacts of climate change on the chemical, physical and biological processes in the oceans. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	59
5	IMBER â€œ Research for marine sustainability: Synthesis and the way forward. <i>Anthropocene</i> , 2015, 12, 42-53.	3.3	8
6	Acidification effects on biofouling communities: winners and losers. <i>Global Change Biology</i> , 2015, 21, 1907-1913.	9.5	43
7	Future challenges in cephalopod research. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 999-1015.	0.8	75
8	The changing form of Antarctic biodiversity. <i>Nature</i> , 2015, 522, 431-438.	27.8	277
9	A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. <i>Antarctic Science</i> , 2015, 27, 3-18.	0.9	158
10	The biology and ecology of the Antarctic limpet <i>Nacella concinna</i> . <i>Polar Biology</i> , 2015, 38, 1949-1969.	1.2	23
11	Polar lessons learned: long-term management based on shared threats in Arctic and Antarctic environments. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 316-324.	4.0	59
12	A Biophysical and Economic Profile of South Georgia and the South Sandwich Islands as Potential Large-Scale Antarctic Protected Areas. <i>Advances in Marine Biology</i> , 2015, 70, 1-286.	1.4	17
13	Not just about sunburn â€œ the ozone hole's profound effect on climate has significant implications for Southern Hemisphere ecosystems. <i>Global Change Biology</i> , 2015, 21, 515-527.	9.5	66
14	The Southern Ocean ecosystem under multiple climate change stresses â€œan integrated circumpolar assessment. <i>Global Change Biology</i> , 2015, 21, 1434-1453.	9.5	190
15	Viral attack exacerbates the susceptibility of a bloom-forming alga to ocean acidification. <i>Global Change Biology</i> , 2015, 21, 629-636.	9.5	21
16	Adaptive management of marine mega-fauna in a changing climate. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016, 21, 209-224.	2.1	24
17	Observed and Projected Impacts of Climate Change on Marine Fisheries, Aquaculture, Coastal Tourism, and Human Health: An Update. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	129
18	Responses of Marine Organisms to Climate Change across Oceans. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	624

#	ARTICLE	IF	CITATIONS
19	Future Challenges in Southern Ocean Ecology Research. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	53
20	Circumpolar habitat use in the southern elephant seal: implications for foraging success and population trajectories. <i>Ecosphere</i> , 2016, 7, e01213.	2.2	126
21	Necessary elements of precautionary management: implications for the Antarctic toothfish. <i>Fish and Fisheries</i> , 2016, 17, 1152-1174.	5.3	20
22	Species-specific foraging strategies and segregation mechanisms of sympatric Antarctic fulmarine petrels throughout the annual cycle. <i>Ibis</i> , 2016, 158, 569-586.	1.9	38
23	A review of recent changes in Southern Ocean sea ice, their drivers and forcings. <i>Global and Planetary Change</i> , 2016, 143, 228-250.	3.5	202
24	Southern Right Whale (<i>Eubalaena australis</i>) Reproductive Success is Influenced by Krill (<i>Euphausia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	88
25	CMIP5 Earth System Models with biogeochemistry: a Ross Sea assessment. <i>Antarctic Science</i> , 2016, 28, 327-346.	0.9	17
26	Valuing biodiversity and ecosystem services: a useful way to manage and conserve marine resources?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161635.	2.6	36
27	Understanding the structure and functioning of polar pelagic ecosystems to predict the impacts of change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161646.	2.6	83
28	Oxidative responsiveness to multiple stressors in the key Antarctic species, <i>Adamussium colbecki</i> : Interactions between temperature, acidification and cadmium exposure. <i>Marine Environmental Research</i> , 2016, 121, 20-30.	2.5	42
29	Developing priority variables ("ecosystem Essential Ocean Variables" eEOVs) for observing dynamics and change in Southern Ocean ecosystems. <i>Journal of Marine Systems</i> , 2016, 161, 26-41.	2.1	89
30	Southern Ocean phytoplankton physiology in a changing climate. <i>Journal of Plant Physiology</i> , 2016, 203, 135-150.	3.5	98
31	Biogeography of Cephalopods in the Southern Ocean Using Habitat Suitability Prediction Models. <i>Ecosystems</i> , 2016, 19, 220-247.	3.4	45
32	On the significance of Antarctic jellyfish as food for AdÃ©lie penguins, as revealed by video loggers. <i>Marine Biology</i> , 2016, 163, 1.	1.5	32
33	Feeding and Food Processing in Antarctic Krill (<i>Euphausia superba</i> Dana). <i>Advances in Polar Ecology</i> , 2016, , 175-224.	1.3	49
34	Introduction: SIPEX-2: A study of sea-ice physical, biogeochemical and ecosystem processes off East Antarctica during spring 2012. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 131, 1-6.	1.4	14
35	Polar opposites? Marine conservation tools and experiences in the changing Arctic and Antarctic. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 61-84.	2.0	38
36	Consensus management in Antarctica's high seas " Past success and current challenges. <i>Marine Policy</i> , 2016, 73, 172-180.	3.2	19

#	ARTICLE	IF	CITATIONS
37	Under ice habitats for Antarctic krill larvae: Could less mean more under climate warming?. Geophysical Research Letters, 2016, 43, 10,322.	4.0	29
38	Advection in polar and sub-polar environments: Impacts on high latitude marine ecosystems. Progress in Oceanography, 2016, 149, 40-81.	3.2	95
39	A review of methods used to analyse albatross dietsâ€”assessing priorities across their range. ICES Journal of Marine Science, 2016, 73, 2125-2137.	2.5	21
40	Expression pattern of heat shock proteins during acute thermal stress in the Antarctic sea urchin, <i>Sterechinus neumayeri</i> . Revista Chilena De Historia Natural, 2016, 89, .	1.2	48
41	Long-term dataset reveals declines in breeding success and high fluctuations in the number of breeding pairs in two skua species breeding on King George Island. Polar Biology, 2016, 39, 573-582.	1.2	7
42	The influence of historical climate changes on Southern Ocean marine predator populations: a comparative analysis. Global Change Biology, 2016, 22, 474-493.	9.5	41
43	Planktonic foraminiferal biogeography in the Indian sector of the Southern Ocean: Contribution from CPR data. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 110, 75-89.	1.4	11
44	Sea-ice algal primary production and nitrogen uptake rates off East Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 131, 140-149.	1.4	18
45	The vertical distribution and abundance of copepod nauplii and other micro- and mesozooplankton in the seasonal ice zone of LÃ¼tzow-Holm Bay during austral summer 2009. Polar Biology, 2017, 40, 79-93.	1.2	8
46	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.	1.4	49
47	Contrasting effects of climate and population density over time and life stages in a long-lived seabird. Functional Ecology, 2017, 31, 1275-1284.	3.6	22
48	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. Limnology and Oceanography, 2017, 62, 235-252.	3.1	87
49	Large-scale population assessment informs conservation management for seabirds in Antarctica and the Southern Ocean: A case study of AdÃ©lie penguins. Global Ecology and Conservation, 2017, 9, 104-115.	2.1	30
50	Bryozoan diversity around the Falkland and South Georgia Islands: Overcoming Antarctic barriers. Marine Environmental Research, 2017, 126, 81-94.	2.5	21
51	Understanding the link between sea ice, ice scour and Antarctic benthic biodiversityâ€”the need for cross-station and international collaboration. Polar Record, 2017, 53, 143-152.	0.8	22
52	Slow to change? Individual fidelity to three-dimensional foraging habitats in southern elephant seals, <i>Mirounga leonina</i> . Animal Behaviour, 2017, 127, 91-99.	1.9	34
53	Development of a molecularâ€”based index for assessing iron status in bloomâ€”forming pennate diatoms. Journal of Phycology, 2017, 53, 820-832.	2.3	31
54	Decadal changes in habitat characteristics influence population trajectories of southern elephant seals. Global Change Biology, 2017, 23, 5136-5150.	9.5	43

#	ARTICLE	IF	CITATIONS
55	Beyond big fish: The case for more detailed representations of top predators in marine ecosystem models. Ecological Modelling, 2017, 359, 182-192.	2.5	26
56	Farâ€field connectivity of the <sc>UK</sc>'s four largest marine protected areas: Four of a kind?. Earth's Future, 2017, 5, 475-494.	6.3	21
57	Conservation and Management of Antarctic Silverfish Pleuragramma antarctica Populations and Habitats. Advances in Polar Ecology, 2017, , 287-305.	1.3	5
58	Under the sea ice: Exploring the relationship between sea ice and the foraging behaviour of southern elephant seals in East Antarctica. Progress in Oceanography, 2017, 156, 17-40.	3.2	18
60	High occurrence of jellyfish predation by blackâ€browed and Campbell albatross identified by <sc>DNA</sc> metabarcoding. Molecular Ecology, 2017, 26, 4831-4845.	3.9	79
61	Restricted regions of enhanced growth of Antarctic krill in the circumpolar Southern Ocean. Scientific Reports, 2017, 7, 6963.	3.3	33
62	The Southern Ocean. , 0, , 445-467.		0
63	Research on climate-change impact on Southern Ocean and Antarctic ecosystems after the UN Paris climate conferenceâ€œnow more than everâ€or â€œset sail to new shoresâ€?. Polar Biology, 2017, 40, 1481-1492.	1.2	4
64	Tropical forcing of increased Southern Ocean climate variability revealed by a 140-year subantarctic temperature reconstruction. Climate of the Past, 2017, 13, 231-248.	3.4	23
65	Southern Ocean Phytoplankton in a Changing Climate. Frontiers in Marine Science, 2017, 4, .	2.5	251
66	Understanding the Impact of Environmental Variability on Anchovy Overwintering Migration in the Black Sea and its Implications for the Fishing Industry. Frontiers in Marine Science, 2017, 4, .	2.5	8
67	A Synergistic Approach for Evaluating Climate Model Output for Ecological Applications. Frontiers in Marine Science, 2017, 4, .	2.5	37
68	Reviews and syntheses: Ice acidification, the effects of ocean acidification on sea ice microbial communities. Biogeosciences, 2017, 14, 3927-3935.	3.3	13
69	Sustained climate warming drives declining marine biological productivity. Science, 2018, 359, 1139-1143.	12.6	276
70	Linking oceanographic conditions, migratory schedules and foraging behaviour during the nonâ€breeding season to reproductive performance in a longâ€lived seabird. Functional Ecology, 2018, 32, 2040-2053.	3.6	34
71	Heat shock influences the fatty acid composition of the muscle of the Antarctic fish Trematomus bernacchii. Marine Environmental Research, 2018, 139, 122-128.	2.5	25
72	Climate, ecosystems, and planetary futures: The challenge to predict life in Earth system models. Science, 2018, 359, .	12.6	397
73	King Penguin populations increase on South Georgia but explanations remain elusive. Polar Biology, 2018, 41, 1111-1122.	1.2	16

#	ARTICLE	IF	CITATIONS
74	A review on the biodiversity, distribution and trophic role of cephalopods in the Arctic and Antarctic marine ecosystems under a changing ocean. <i>Marine Biology</i> , 2018, 165, 1.	1.5	50
75	Antarctic environmental protection: Strengthening the links between science and governance. <i>Environmental Science and Policy</i> , 2018, 83, 86-95.	4.9	55
76	Isotopic niches of sympatric Gentoo and Chinstrap Penguins: evidence of competition for Antarctic krill?. <i>Polar Biology</i> , 2018, 41, 1655-1669.	1.2	26
77	Projected distributions of Southern Ocean albatrosses, petrels and fisheries as a consequence of climatic change. <i>Ecography</i> , 2018, 41, 195-208.	4.5	44
78	Cross-disciplinarity in the advance of Antarctic ecosystem research. <i>Marine Genomics</i> , 2018, 37, 1-17.	1.1	70
79	Spatial distributions of Southern Ocean mesozooplankton communities have been resilient to long-term surface warming. <i>Global Change Biology</i> , 2018, 24, 132-142.	9.5	23
80	A New Daily Observational Record from Grytviken, South Georgia: Exploring Twentieth-Century Extremes in the South Atlantic. <i>Journal of Climate</i> , 2018, 31, 1743-1755.	3.2	12
81	Ocean acidification impacts primary and bacterial production in Antarctic coastal waters during austral summer. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 498, 46-60.	1.5	23
82	Predicting krill swarm characteristics important for marine predators foraging off East Antarctica. <i>Ecography</i> , 2018, 41, 996-1012.	4.5	25
83	Linking Ross Sea Coastal Benthic Communities to Environmental Conditions: Documenting Baselines in a Spatially Variable and Changing World. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	25
84	View From Below: Inferring Behavior and Physiology of Southern Ocean Marine Predators From Dive Telemetry. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	11
85	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
86	Gas chromatography-mass spectrometry analysis on effects of thermal shock on the fatty acid composition of the gills of the Antarctic teleost, <i>Trematomus bernacchii</i> . <i>Environmental Chemistry</i> , 2018, 15, 424.	1.5	9
87	Seasonal variation in the predatory impact of myctophids on zooplankton in the Scotia Sea (Southern) Tj ETQq1 1 0.784314 JgBT /Over	3.2	15
88	Persistent Organic Pollutants in two species of migratory birds from Rothera Point, Adelaide Island, Antarctica. <i>Marine Pollution Bulletin</i> , 2018, 137, 113-118.	5.0	4
89	UV-Protective Compounds in Marine Organisms from the Southern Ocean. <i>Marine Drugs</i> , 2018, 16, 336.	4.6	74
90	Two Recent Massive Breeding Failures in an Adélie Penguin Colony Call for the Creation of a Marine Protected Area in D'Urville Sea/Mertz. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	33
91	The Fundamental Contribution of Phytoplankton Spectral Scattering to Ocean Colour: Implications for Satellite Detection of Phytoplankton Community Structure. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2681.	2.5	9

#	ARTICLE	IF	CITATIONS
92	Icebergs, sea ice, blue carbon and Antarctic climate feedbacks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170176.	3.4	65
93	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.	3.4	20
94	Patterns in the distribution and abundance of sea anemones off Dumont d'Urville Station, Antarctica. Polar Biology, 2018, 41, 1923-1935.	1.2	3
95	Do pelagic grazers benefit from sea ice? Insights from the Antarctic sea ice proxy IPSO<sub>25</sub</sub>. Biogeosciences, 2018, 15, 1987-2006.	3.3	27
96	Distinct Oceanic Microbiomes From Viruses to Protists Located Near the Antarctic Circumpolar Current. Frontiers in Microbiology, 2018, 9, 1474.	3.5	23
97	Seasonal prey switching in non-breeding gentoo penguins related to a wintertime environmental anomaly around South Georgia. Polar Biology, 2018, 41, 2323-2335.	1.2	11
98	Temporal changes in abundances of large calanoid copepods in the Scotia Sea: comparing the 1930s with contemporary times. Polar Biology, 2018, 41, 2297-2310.	1.2	5
99	Dependency of Antarctic zooplankton species on ice algae<sup>2</sup</sup>-produced carbon suggests a sea ice<sup>2</sup</sup>-driven pelagic ecosystem during winter. Global Change Biology, 2018, 24, 4667-4681.	9.5	38
100	Modelling growth and reproduction of Antarctic krill, Euphausia superba, based on temperature, food and resource allocation amongst life history functions. ICES Journal of Marine Science, 2018, 75, 738-750.	2.5	18
101	Choosing the future of Antarctica. Nature, 2018, 558, 233-241.	27.8	172
102	Climate change and functional traits affect population dynamics of a long<sup>2</sup</sup>-lived seabird. Journal of Animal Ecology, 2018, 87, 906-920.	2.8	45
103	Trophodynamics of Southern Ocean pteropods on the southern Kerguelen Plateau. Ecology and Evolution, 2019, 9, 8119-8132.	1.9	4
104	Ensemble Modeling of Antarctic Macroalgal Habitats Exposed to Glacial Melt in a Polar Fjord. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	21
105	Delivering Sustained, Coordinated, and Integrated Observations of the Southern Ocean for Global Impact. Frontiers in Marine Science, 2019, 6, .	2.5	67
106	The challenges for antarctic governance in the early twenty-first century. Australian Journal of Maritime and Ocean Affairs, 2019, 11, 73-77.	2.0	10
107	Scale matters: sea ice and breeding success of Ad<sup>2</sup</sup>-lie penguins. Polar Biology, 2019, 42, 1405-1410.	1.2	7
108	Show your beaks and we tell you what you eat: Different ecology in sympatric Antarctic benthic octopods under a climate change context. Marine Environmental Research, 2019, 150, 104757.	2.5	15
109	Lack of long-term acclimation in Antarctic encrusting species suggests vulnerability to warming. Nature Communications, 2019, 10, 3383.	12.8	21

#	ARTICLE	IF	CITATIONS
110	Spatio-temporal trends of the Krill fisheries in the Western Antarctic Peninsula and Southern Scotia Arc. <i>Fisheries Management and Ecology</i> , 2019, 26, 327-333.	2.0	13
111	Dynamic Fine-Scale Sea Icescape Shapes Adult Emperor Penguin Foraging Habitat in East Antarctica. <i>Geophysical Research Letters</i> , 2019, 46, 11206-11218.	4.0	18
112	The State and Future of Antarctic Environments in a Global Context. <i>Annual Review of Environment and Resources</i> , 2019, 44, 1-30.	13.4	54
113	Habitat, trophic levels and migration patterns of the short-finned squid <i>Illex argentinus</i> from stable isotope analysis of beak regions. <i>Polar Biology</i> , 2019, 42, 2299-2304.	1.2	9
114	The importance of Southern Ocean frontal systems for the improvement of body condition in southern elephant seals. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019, 29, 283-304.	2.0	4
115	The importance of Antarctic krill in biogeochemical cycles. <i>Nature Communications</i> , 2019, 10, 4742.	12.8	97
116	Multidimensional stable isotope analysis illuminates resource partitioning in a sub-Antarctic island bird community. <i>Ecography</i> , 2019, 42, 1948-1959.	4.5	11
117	Myctophid Fish (Family Myctophidae) Are Central Consumers in the Food Web of the Scotia Sea (Southern Ocean). <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	59
118	Antarctic food web architecture under varying dynamics of sea ice cover. <i>Scientific Reports</i> , 2019, 9, 12454.	3.3	28
119	New insights into prime Southern Ocean forage grounds for thriving Western Australian humpback whales. <i>Scientific Reports</i> , 2019, 9, 13988.	3.3	27
120	Assessing status and trends of open ocean habitats: A regionally resolved approach and Southern Ocean application. <i>Ecological Indicators</i> , 2019, 107, 105616.	6.3	5
121	Ecosystem Service Supply in the Antarctic Peninsula Region: Evaluating an Expert-Based Assessment Approach and a Novel Seascape Data Model. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	8
122	Distribution of Antarctic toothfish <i>Dissostichus mawsoni</i> along East Antarctica: Environmental drivers and management implications. <i>Fisheries Research</i> , 2019, 219, 105338.	1.7	13
123	Krill (<i>Euphausia superba</i>) distribution contracts southward during rapid regional warming. <i>Nature Climate Change</i> , 2019, 9, 142-147.	18.8	231
124	Effects of glacier melting on the planktonic communities of two Antarctic coastal areas (Potter Cove) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.97	10
125	The Antarctic Peninsula Under a 1.5°C Global Warming Scenario. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	117
126	Environmental drivers of humpback whale foraging behavior in the remote Southern Ocean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 517, 1-12.	1.5	21
127	Observations and models to support the first Marine Ecosystem Assessment for the Southern Ocean (MEASO). <i>Journal of Marine Systems</i> , 2019, 197, 103182.	2.1	24

#	ARTICLE	IF	CITATIONS
128	Is the Southern Ocean Getting Greener?. Geophysical Research Letters, 2019, 46, 6034-6040.	4.0	25
129	Nonbreeder birds at colonies display qualitatively similar seasonal mass change patterns as breeders. Ecology and Evolution, 2019, 9, 4637-4650.	1.9	11
130	Predicting future distributions of lanternfish, a significant ecological resource within the Southern Ocean. Diversity and Distributions, 2019, 25, 1259-1272.	4.1	40
131	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	23.0	105
132	Variability and change in the west Antarctic Peninsula marine system: Research priorities and opportunities. Progress in Oceanography, 2019, 173, 208-237.	3.2	102
133	Future recovery of baleen whales is imperiled by climate change. Global Change Biology, 2019, 25, 1263-1281.	9.5	101
134	Antarctic Fishes. , 2019, , 138-141.		0
135	Sea Ice Meltwater and Circumpolar Deep Water Drive Contrasting Productivity in Three Antarctic Polynyas. Journal of Geophysical Research: Oceans, 2019, 124, 2943-2968.	2.6	31
136	Important areas and conservation sites for a community of globally threatened marine predators of the Southern Indian Ocean. Biological Conservation, 2019, 234, 192-201.	4.1	31
137	Climate Change and the Southern Ocean. , 2019, , 201-214.		2
138	The interactive effects of stratospheric ozone depletion, UV radiation, and climate change on aquatic ecosystems. Photochemical and Photobiological Sciences, 2019, 18, 717-746.	2.9	108
139	Climate sensitivities and uncertainties in food-web pathways supporting larval bluefin tuna in subtropical oligotrophic oceans. ICES Journal of Marine Science, 2019, 76, 359-369.	2.5	13
140	Lidar Monitoring of Chlorophyll a During the XXIX and XXXI Italian Antarctic Expeditions. International Journal of Environmental Research, 2019, 13, 253-263.	2.3	3
141	Photosynthetic adaptation to low iron, light, and temperature in Southern Ocean phytoplankton. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4388-4393.	7.1	104
143	Finding mesopelagic prey in a changing Southern Ocean. Scientific Reports, 2019, 9, 19013.	3.3	20
144	Managing Marine Protected Areas in Remote Areas: The Case of the Subantarctic Heard and McDonald Islands. Frontiers in Marine Science, 2019, 6, .	2.5	8
145	Antarctic Seas. , 2019, , 1-44.		10
146	Horizontal and vertical food web structure drives trace element trophic transfer in Terra Nova Bay, Antarctica. Environmental Pollution, 2019, 246, 772-781.	7.5	20

#	ARTICLE	IF	CITATIONS
147	Spatial variability in total and organic mercury levels in Antarctic krill <i>Euphausia superba</i> across the Scotia Sea. <i>Environmental Pollution</i> , 2019, 247, 332-339.	7.5	20
148	Gentoo penguins as sentinels of climate change at the sub-Antarctic Prince Edward Archipelago, Southern Ocean. <i>Ecological Indicators</i> , 2019, 101, 163-172.	6.3	24
149	Southern Ocean Fisheries. , 2019, , 510-516.		0
150	Physical Transport Mechanisms Driving Sub-Antarctic Island Marine Ecosystems. <i>Ecosystems</i> , 2019, 22, 1069-1087.	3.4	6
151	Influence of oceanographic variability on near-shore microbial communities of the sub-Antarctic Prince Edward Islands. <i>Limnology and Oceanography</i> , 2019, 64, 258-271.	3.1	9
152	DNA-based diet analysis of mesopelagic fish from the southern Kerguelen Axis. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, .	1.4	17
153	Eukaryote plankton assemblages in the southern Kerguelen Axis region: Ecological drivers differ between size fractions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, .	1.4	6
154	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, .	1.4	12
155	Alternative energy pathways in Southern Ocean food webs: Insights from a balanced model of Prydz Bay, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, 104613.	1.4	23
156	Eight urgent, fundamental and simultaneous steps needed to restore ocean health, and the consequences for humanity and the planet of inaction or delay. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 194-208.	2.0	46
157	Antarctic Futures: An Assessment of Climate-Driven Changes in Ecosystem Structure, Function, and Service Provisioning in the Southern Ocean. <i>Annual Review of Marine Science</i> , 2020, 12, 87-120.	11.6	140
158	Evolution, Microbes, and Changing Ocean Conditions. <i>Annual Review of Marine Science</i> , 2020, 12, 181-208.	11.6	42
159	Combined effects of warming and freshening on the physiological energetics of the edible whelk <i>Trophon geversianus</i> . <i>Marine Environmental Research</i> , 2020, 153, 104840.	2.5	6
160	Humpback whales extend their stay in a breeding ground in the Tropical Eastern Pacific. <i>ICES Journal of Marine Science</i> , 2020, 77, 109-118.	2.5	22
161	Long-term changes in habitat and trophic level of Southern Ocean squid in relation to environmental conditions. <i>Scientific Reports</i> , 2020, 10, 15215.	3.3	9
162	Evaluating Antarctic marine protected area scenarios using a dynamic food web model. <i>Biological Conservation</i> , 2020, 251, 108766.	4.1	15
163	How to survive winter?. , 2020, , 101-125.		1
164	Vertebrate viruses in polar ecosystems. , 2020, , 126-148.		0

#	ARTICLE	IF	CITATIONS
166	Life in the extreme environments of our planet under pressure. , 2020, , 151-183.		0
167	Chemical ecology in the Southern Ocean. , 2020, , 251-278.		1
169	World record extreme sea surface temperatures in the northwestern Arabian/Persian Gulf verified by in situ measurements. Marine Pollution Bulletin, 2020, 161, 111766.	5.0	30
172	Physiological traits of the Greenland shark <i>Somniosus microcephalus</i> obtained during the TUNU-Expeditions to Northeast Greenland. , 2020, , 11-41.		0
173	Metazoan adaptation to deep-sea hydrothermal vents. , 2020, , 42-67.		4
174	Extremophiles populating high-level natural radiation areas (HLNRAs) in Iran. , 2020, , 68-86.		1
176	Metazoan life in anoxic marine sediments. , 2020, , 89-100.		0
177	The ecophysiology of responding to change in polar marine benthos. , 2020, , 184-217.		0
178	The Southern Ocean: an extreme environment or just home of unique ecosystems?. , 2020, , 218-233.		1
179	Metabolic and taxonomic diversity in antarctic subglacial environments. , 2020, , 279-296.		2
180	Analytical astrobiology: the search for life signatures and the remote detection of biomarkers through their Raman spectral interrogation. , 2020, , 301-318.		1
181	Adaptation/acclimatisation mechanisms of oxyphototrophic microorganisms and their relevance to astrobiology. , 2020, , 319-342.		0
182	Life at the extremes. , 2020, , 343-354.		0
183	Planning for success: Leveraging two ecosystem models to support development of an Antarctic marine protected area. Marine Policy, 2020, 121, 104109.	3.2	8
184	Microorganisms in cryoturbated organic matter of Arctic permafrost soils. , 2020, , 234-250.		0
187	Mesoscale eddies influencing the sub-Antarctic Prince Edward Islands Archipelago: Origin, pathways, and characteristics. Continental Shelf Research, 2020, 210, 104257.	1.8	8
188	Selecting environmental descriptors is critical for modelling the distribution of Antarctic benthic species. Polar Biology, 2020, 43, 1363-1381.	1.2	5
189	Climate Change Will Re-draw the Map for Marine Megafauna and the People Who Depend on Them. Frontiers in Marine Science, 2020, 7, .	2.5	19

#	ARTICLE	IF	CITATIONS
190	Marine Ecosystem Assessment for the Southern Ocean: Birds and Marine Mammals in a Changing Climate. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	63
191	Antarctic: Climate Change, Fisheries, and Governance. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 1-12.	0.1	4
192	Capturing open ocean biodiversity: Comparing environmental DNA metabarcoding to the continuous plankton recorder. <i>Molecular Ecology</i> , 2021, 30, 3140-3157.	3.9	42
193	Changing Biogeochemistry of the Southern Ocean and Its Ecosystem Implications. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	100
194	Matching zooplankton abundance and environment in the South Indian Ocean and Southern Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 163, 103347.	1.4	6
195	Southern Ocean isoscapes derived from a wide-ranging circumpolar marine predator, the Antarctic fur seal. <i>Ecological Indicators</i> , 2020, 118, 106694.	6.3	6
196	Variation in zoobenthic blue carbon in the Arctic's Barents Sea shelf sediments. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190362.	3.4	13
197	Time-Dynamic Food Web Modeling to Explore Environmental Drivers of Ecosystem Change on the Kerguelen Plateau. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
198	Decadal changes in blood $\delta^{13}C$ values, at-sea distribution, and weaning mass of southern elephant seals from Kerguelen Islands. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201544.	2.6	7
199	What's the catch? Profiling the benefits and costs associated with marine protected areas and displaced fishing in the Scotia Sea. <i>PLoS ONE</i> , 2020, 15, e0237425.	2.5	14
200	Spatial-Related Community Structure and Dynamics in Phytoplankton of the Ross Sea, Antarctica. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	20
201	Seasonal Food Web Dynamics in the Antarctic Benthos of Tethys Bay (Ross Sea): Implications for Biodiversity Persistence Under Different Seasonal Sea-Ice Coverage. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	16
202	Similar foraging energetics of two sympatric albatrosses despite contrasting life histories and wind-mediated foraging strategies. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	2
203	Global Drivers on Southern Ocean Ecosystems: Changing Physical Environments and Anthropogenic Pressures in an Earth System. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	79
204	Nematode responses to an Arctic sea-ice regime: morphometric characteristics and biomass size spectra. <i>Marine Environmental Research</i> , 2020, 162, 105181.	2.5	2
205	Circumpolar projections of Antarctic krill growth potential. <i>Nature Climate Change</i> , 2020, 10, 568-575.	18.8	54
206	Remote sensing reveals Antarctic green snow algae as important terrestrial carbon sink. <i>Nature Communications</i> , 2020, 11, 2527.	12.8	75
207	Modelling spatiotemporal trends in range shifts of marine commercial fish species driven by climate change surrounding the Antarctic Peninsula. <i>Science of the Total Environment</i> , 2020, 737, 140258.	8.0	7

#	ARTICLE	IF	CITATIONS
208	Population trends of penguins in the French Southern Territories. <i>Polar Biology</i> , 2020, 43, 835-850.	1.2	26
209	Zooplankton community structure and dominant copepod population structure on the southern Kerguelen Plateau during summer 2016. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, 104788.	1.4	3
210	<i>Salpa thompsoni</i> in the Indian Sector of the Southern Ocean: Environmental drivers and life history parameters. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, 104789.	1.4	6
211	Ecosystem drivers of food webs on the Kerguelen Axis of the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, 104790.	1.4	2
212	Tracking of marine predators to protect Southern Ocean ecosystems. <i>Nature</i> , 2020, 580, 87-92.	27.8	156
213	Multiple independent chromosomal fusions accompanied the radiation of the Antarctic teleost genus <i>Trematomus</i> (Notothenioidei:Nototheniidae). <i>BMC Evolutionary Biology</i> , 2020, 20, 39.	3.2	11
214	Thermoregulatory costs in molting Antarctic Weddell seals: impacts of physiological and environmental conditions. , 2020, 8, coaa022.		24
215	Marine Plankton of Open Antarctic Seas. , 2020, , 623-634.		0
216	Defining Southern Ocean fronts and their influence on biological and physical processes in a changing climate. <i>Nature Climate Change</i> , 2020, 10, 209-219.	18.8	99
217	Longer migration not necessarily the costliest strategy for migrating humpback whales. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 937-948.	2.0	11
218	Benthic ecoregionalization based on echinoid fauna of the Southern Ocean supports current proposals of Antarctic Marine Protected Areas under IPCC scenarios of climate change. <i>Global Change Biology</i> , 2020, 26, 2161-2180.	9.5	14
219	Towards a robust baseline for long-term monitoring of Antarctic coastal benthos. <i>Hydrobiologia</i> , 2020, 847, 1753-1771.	2.0	12
220	Integrated assessment of the spatial distribution and structural dynamics of deep benthic marine communities. <i>Ecological Applications</i> , 2020, 30, e02065.	3.8	5
221	The policy relevance of Southern Ocean food web structure: Implications of food web change for fisheries, conservation and carbon sequestration. <i>Marine Policy</i> , 2020, 115, 103832.	3.2	33
222	Combined stress of ocean acidification and warming influence survival and drives differential gene expression patterns in the Antarctic pteropod, <i>Limacina helicina antarctica</i> . , 2020, 8, coaa013.		13
223	Antarctic ecosystem responses following ice shelf collapse and iceberg calving: Science review and future research. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2021, 12, .	8.1	25
224	Impact of climate change on the primary production and related biogeochemical cycles in the coastal and sea ice zone of the Southern Ocean. <i>Science of the Total Environment</i> , 2021, 751, 141678.	8.0	9
225	Effects of ocean acidification on acid-base physiology, skeleton properties, and metal contamination in two echinoderms from vent sites in Deception Island, Antarctica. <i>Science of the Total Environment</i> , 2021, 765, 142669.	8.0	7

#	ARTICLE	IF	CITATIONS
226	Individual-based model of population dynamics in a sea urchin of the Kerguelen Plateau (Southern Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 109352.	2.5	3
227	Decadal shift in foraging strategy of a migratory southern ocean predator. <i>Global Change Biology</i> , 2021, 27, 1052-1067.	9.5	20
228	Decades of dietary data demonstrate regional food web structures in the Southern Ocean. <i>Ecology and Evolution</i> , 2021, 11, 227-241.	1.9	17
229	Sea freshening may drive the ecological impacts of emerging and existing invasive nonâ€native species. <i>Diversity and Distributions</i> , 2021, 27, 144-156.	4.1	9
231	Significance of differential allelic expression in phenotypic plasticity and evolutionary potential of microbial eukaryotes. <i>Quantitative Biology</i> , 2021, 9, 400-410.	0.5	1
232	Macroecology of Southern Ocean benthic Ostracoda (Crustacea) from the continental margin and abyss. <i>Zoological Journal of the Linnean Society</i> , 2022, 194, 226-255.	2.3	4
233	Antarctica and NE Greenland: Marine Pollution in a Changing World. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 1-19.	0.1	2
234	Factors controlling the competition between <i>Phaeocystis</i> and diatoms in the Southern Ocean and implications for carbon export fluxes. <i>Biogeosciences</i> , 2021, 18, 251-283.	3.3	19
235	Future Risk for Southern Ocean Ecosystem Services Under Climate Change. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	59
236	The influence of seafloor terrain on fish and fisheries: A global synthesis. <i>Fish and Fisheries</i> , 2021, 22, 707-734.	5.3	30
237	Warming and freshening activate the transcription of genes involved in the cellular stress response in <i>Harpagifer antarcticus</i> . <i>Fish Physiology and Biochemistry</i> , 2021, 47, 533-546.	2.3	1
238	Disentangling the Influence of Three Major Threats on the Demography of an Albatross Community. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	6
239	From warm to cold waters: new insights into the habitat and trophic ecology of Southern Ocean squids throughout their life cycle. <i>Marine Ecology - Progress Series</i> , 2021, 659, 113-126.	1.9	9
240	Low Fe Availability for Photosynthesis of Sea-Ice Algae: Ex situ Incubation of the Ice Diatom <i>Fragilariopsis cylindrus</i> in Low-Fe Sea Ice Using an Ice Tank. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	4
243	Zooplankton communities along a Southern Ocean monitoring transect at 110Â° E from three CPR surveys (Dec 2014, Jan 2015, Mar 2015). <i>Polar Biology</i> , 2021, 44, 1069-1081.	1.2	3
244	Distribution and Habitat Suitability of Ross Seals in a Warming Ocean. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	8
245	Biogeography of the Southern Ocean: environmental factors driving mesoplankton distribution South of Africa. <i>PeerJ</i> , 2021, 9, e11411.	2.0	3
246	Diatom diversity during two austral summers in the Ross Sea (Antarctica). <i>Marine Micropaleontology</i> , 2021, 165, 101993.	1.2	10

#	ARTICLE	IF	CITATIONS
247	Productivity and Change in Fish and Squid in the Southern Ocean. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	18
248	Determinants of moult haulout phenology and duration in southern elephant seals. <i>Scientific Reports</i> , 2021, 11, 13331.	3.3	8
249	Antarctic krill <i>Euphausia superba</i> : spatial distribution, abundance, and management of fisheries in a changing climate. <i>Marine Ecology - Progress Series</i> , 2021, 668, 185-214.	1.9	28
250	New insights into the autecology of the two sympatric fish species <i>Notothenia coriiceps</i> and <i>N. rossii</i> from western Antarctic Peninsula: A trophic biomarkers approach. <i>Polar Biology</i> , 2021, 44, 1591-1603.	1.2	2
251	Hydrographic fronts shape productivity, nitrogen fixation, and microbial community composition in the southern Indian Ocean and the Southern Ocean. <i>Biogeosciences</i> , 2021, 18, 3733-3749.	3.3	14
252	Detecting Climate Signals in Southern Ocean Krill Growth Habitat. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	14
253	High latitude Southern Ocean phytoplankton have distinctive bio-optical properties. <i>Optics Express</i> , 2021, 29, 21084.	3.4	12
254	Landfast ice: a major driver of reproductive success in a polar seabird. <i>Biology Letters</i> , 2021, 17, 20210097.	2.3	8
255	Population decline of the cape petrel (<i>Daption capense</i>) on King George Island, South Shetland Islands, Antarctica. <i>Polar Biology</i> , 2021, 44, 1795-1801.	1.2	9
256	Sclerochronology in the Southern Ocean. <i>Polar Biology</i> , 2021, 44, 1485-1515.	1.2	1
257	Climate influences on female survival in a declining population of southern elephant seals (<i>Mirounga leonina</i>). <i>Ecology and Evolution</i> , 2021, 11, 11333-11344.	1.9	7
258	Using Forecasting Methods to Incorporate Social, Economic, and Political Considerations Into Marine Protected Area Planning. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
259	Global Connectivity of Southern Ocean Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	28
260	Winter and summer biogeography of macrozooplankton community structure in the northern Antarctic Peninsula ecosystem. <i>Progress in Oceanography</i> , 2021, 196, 102610.	3.2	4
261	Assessing the trophic link between primary and secondary producers in the Southern Ocean: A carbon-biomass based approach. <i>Polar Science</i> , 2022, 31, 100734.	1.2	1
262	Climate anomalies influence tooth growth patterns of South American sea lion. <i>Marine Mammal Science</i> , 0, , .	1.8	0
263	Methods for identifying spatially referenced conservation needs and opportunities. <i>Biological Conservation</i> , 2021, 260, 109138.	4.1	3
264	Climate change in the Southern Ocean: Is the Commission for the Convention for the Conservation of Antarctic Marine Living Resources doing enough?. <i>Marine Policy</i> , 2021, 130, 104549.	3.2	12

#	ARTICLE	IF	CITATIONS
265	Temperature, not salinity, drives impact of an emerging invasive species. <i>Science of the Total Environment</i> , 2021, 780, 146640.	8.0	7
267	Utilising IPCC assessments to support the ecosystem approach to fisheries management within a warming Southern Ocean. <i>Marine Policy</i> , 2021, 131, 104589.	3.2	15
268	Contrasting impacts of environmental variability on the breeding biology of two sympatric small procellariiform seabirds in south-eastern Australia. <i>PLoS ONE</i> , 2021, 16, e0250916.	2.5	5
269	The Belgica 121 expedition to the Western Antarctic Peninsula: a detailed biodiversity census. <i>Biodiversity Data Journal</i> , 2021, 9, e70590.	0.8	1
270	Late Holocene <i>Ameghinomya antiqua</i> shells from the Beagle Channel: A multi-proxy approach to palaeoenvironmental and palaeoclimatic reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 578, 110574.	2.3	1
271	Impacts of global warming on marine microbial communities. <i>Science of the Total Environment</i> , 2021, 791, 147905.	8.0	47
272	Mare incognita: Adélie penguins foraging in newly exposed habitat after calving of the Nansen Ice Shelf. <i>Environmental Research</i> , 2021, 201, 111561.	7.5	3
273	The impact of seawater warming on fatty acid composition and nutritional quality indices of <i>Trematomus bernacchii</i> from the Antarctic region. <i>Food Chemistry</i> , 2021, 365, 130500.	8.2	8
274	Effect of climate change on marine ecosystems. , 2021, , 115-176.		13
275	Characterizing Marine Heatwaves in the Kerguelen Plateau Region. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	8
276	Carbon Balance Under a Changing Light Environment. , 2020, , 173-191.		1
277	Close Encounters - Microplastic availability to pelagic amphipods in sub-Antarctic and Antarctic surface waters. <i>Environment International</i> , 2020, 140, 105792.	10.0	79
278	More losers than winners in a century of future Southern Ocean seafloor warming. <i>Nature Climate Change</i> , 2017, 7, 749-754.	18.8	92
279	Oceanography and Marine Biology. , 0, , .		6
280	Antarctic Marine Biodiversity: Adaptations, Environments and Responses to Change. , 2018, , 105-236.		99
282	Sexual and individual foraging segregation in Gentoo penguins <i>Pygoscelis papua</i> from the Southern Ocean during an abnormal winter. <i>PLoS ONE</i> , 2017, 12, e0174850.	2.5	36
283	Phytoplankton blooms during austral summer in the Ross Sea, Antarctica: Driving factors and trophic implications. <i>PLoS ONE</i> , 2017, 12, e0176033.	2.5	74
284	Impacts of rising sea temperature on krill increase risks for predators in the Scotia Sea. <i>PLoS ONE</i> , 2018, 13, e0191011.	2.5	66

#	ARTICLE	IF	CITATIONS
285	Time- and depth-wise trophic niche shifts in Antarctic benthos. PLoS ONE, 2018, 13, e0194796.	2.5	32
286	The influence of glacial melt and retreat on the nutritional condition of the bivalve <i>Nuculana inaequisculpta</i> (Protobranchia: Nuculanidae) in the West Antarctic Peninsula. PLoS ONE, 2020, 15, e0233513.	2.5	3
287	Impact of temperature, CO ₂ , and iron on nutrient uptake by a late-season microbial community from the Ross Sea, Antarctica. Aquatic Microbial Ecology, 2018, 82, 145-159.	1.8	12
288	Cephalopod fauna of South Pacific waters: new information from breeding New Zealand wandering albatrosses. Marine Ecology - Progress Series, 2014, 513, 131-142.	1.9	21
289	Prey-field use by a Southern Ocean top predator: enhanced understanding using integrated datasets. Marine Ecology - Progress Series, 2015, 526, 169-181.	1.9	14
290	Seawater acidification more than warming presents a challenge for two Antarctic macroalgae-associated amphipods. Marine Ecology - Progress Series, 2016, 554, 81-97.	1.9	12
291	Effect of climate variability on weaning mass in a declining population of southern elephant seals <i>Mirounga leonina</i> . Marine Ecology - Progress Series, 2017, 568, 249-260.	1.9	7
292	Overwinter habitat selection by Antarctic krill under varying sea-ice conditions: implications for top predators and fishery management. Marine Ecology - Progress Series, 2017, 568, 1-16.	1.9	67
293	Low trophic level diet of juvenile southern elephant seals <i>Mirounga leonina</i> from Marion Island: a stable isotope investigation using vibrissal regrowths. Marine Ecology - Progress Series, 2017, 577, 237-250.	1.9	22
294	Ocean warming and acidification alter Antarctic macroalgal biochemical composition but not amphipod grazer feeding preferences. Marine Ecology - Progress Series, 2017, 581, 45-56.	1.9	14
295	Spatial and temporal distribution patterns of acoustic backscatter in the New Zealand sector of the Southern Ocean. Marine Ecology - Progress Series, 2018, 592, 19-35.	1.9	20
296	Predicting distribution and relative abundance of mid-trophic level organisms using oceanographic parameters and acoustic backscatter. Marine Ecology - Progress Series, 2018, 592, 37-56.	1.9	17
297	Ontogenetic changes in stable isotope ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) values in squid <i>Gonatus fabricii</i> (Cephalopoda) reveal its important ecological role in the Arctic. Marine Ecology - Progress Series, 2018, 606, 65-78.	1.9	35
298	Factors influencing the habitat use of sympatric albatrosses from Macquarie Island, Australia. Marine Ecology - Progress Series, 2019, 609, 221-237.	1.9	9
299	Trophic structure of southern marine ecosystems: a comparative isotopic analysis from the Beagle Channel to the oceanic Burdwood Bank area under a wasp-waist assumption. Marine Ecology - Progress Series, 2020, 655, 1-27.	1.9	44
300	Microbial metabolic rates in the Ross Sea: the ABIOCLEAR Project. Nature Conservation, 0, 34, 441-475.	0.0	7
301	The Southern Annular Mode (SAM) influences phytoplankton communities in the seasonal ice zone of the Southern Ocean. Biogeosciences, 2020, 17, 3815-3835.	3.3	6
302	Polar Tourism as an Effective Research Tool: Citizen Science in the Western Antarctic Peninsula. Oceanography, 2020, 33, .	1.0	14

#	ARTICLE	IF	CITATIONS
303	Immune-mediated hookworm clearance and survival of a marine mammal decrease with warmer ocean temperatures. <i>ELife</i> , 2018, 7, .	6.0	16
304	Zooplankton communities in the Drake Passage through environmental boundaries: a snapshot of 2010, early spring. <i>PeerJ</i> , 2019, 7, e7994.	2.0	9
305	Climate change impacts on sea-ice ecosystems and associated ecosystem services. <i>Elementa</i> , 2021, 9, .	3.2	26
306	Biodiversity in Areas Beyond National Jurisdiction (BBNJ): the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR) and the United Nations BBNJ agreement. <i>Polar Journal</i> , 2021, 11, 303-316.	0.8	4
307	DISTRIBUTION AND FLOATING POPULATION OF BIRDS ON PENGUIN ISLAND, SOUTH SHETLANDS, ANTARCTICA. INCT-APA Annual Activity Report, 2016, , 42-45.	0.0	0
308	Increasing temperature may shift availability of euphausiid prey in the Southern Ocean. <i>Marine Ecology - Progress Series</i> , 2018, 588, 59-70.	1.9	4
309	How the future climate may modulate the non-breeding distribution of a Vulnerable gadfly petrel. <i>Marine Ecology - Progress Series</i> , 2018, 599, 253-266.	1.9	1
310	Antarctic Seaweeds: Biogeography, Adaptation, and Ecosystem Services. , 2020, , 3-20.		4
311	Underwater Light Environment of Antarctic Seaweeds. , 2020, , 131-153.		1
312	Form and Function in Antarctic Seaweeds: Photobiological Adaptations, Zonation Patterns, and Ecosystem Feedbacks. , 2020, , 217-237.		2
314	Southern Ocean Food Web Modelling: Progress, Prognoses, and Future Priorities for Research and Policy Makers. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	14
315	Parallel shape divergence between ecotypes of the limpet <i>Nacella concinna</i> along the Antarctic Peninsula: a new model species for parallel evolution?. <i>Zoology</i> , 2022, 150, 125983.	1.2	3
316	Antarctic teleosts with and without hemoglobin behaviorally mitigate deleterious effects of acute environmental warming. <i>PLoS ONE</i> , 2021, 16, e0252359.	2.5	0
317	Editorial: Effects of Ice Loss on Marine Biodiversity. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	0
318	History of Antarctic Territorial Claims and Spatial Contestation. <i>Springer Polar Sciences</i> , 2022, , 17-30.	0.1	0
319	Effects of temperature and salinity on the sub-Antarctic snail <i>Xymenopsis muriciformis</i> (King and Tj ETQq1 1 0.784314 rgBT /Overload 1 Marine Biology and Ecology, 2022, 548, 151682.	1.5	1
320	Seasonal Dietary Shifts of the Gammarid Amphipod <i>Gondogeneia antarctica</i> in a Rapidly Warming Fjord of the West Antarctic Peninsula. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1447.	2.6	4
321	Introduction to the impact of microbes on climate: an ocean of opportunities. , 2022, , 393-414.		0

#	ARTICLE	IF	CITATIONS
323	Lower marine productivity increases agonistic interactions between sea lions and fur seals in Northern Pacific Patagonia. <i>Environmental Epigenetics</i> , 0, , .	1.8	2
324	Origin and fate of long-chain polyunsaturated fatty acids in the Kerguelen Islands region (Southern) Tj ETQq1 1 0.784314 rgBT /Overl	2.1	1
325	Spatially explicit food web modelling to consider fisheries impacts and ecosystem representation within Marine Protected Areas on the Kerguelen Plateau. <i>ICES Journal of Marine Science</i> , 2022, 79, 1327-1339.	2.5	4
326	Spatial and temporal variability and connectivity of the marine environment of the South Sandwich Islands, Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 198, 105057.	1.4	5
327	Bioregionalization of the South Sandwich Islands through community analysis of bathyal fish and invertebrate assemblages using fishery-derived data. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 198, 105054.	1.4	5
331	Mercury biomagnification in an Antarctic food web of the Antarctic Peninsula. <i>Environmental Pollution</i> , 2022, 304, 119199.	7.5	16
332	Surface chlorophyll concentration as a mesoplankton biomass assessment tool in the Southern Ocean region. <i>Global Ecology and Biogeography</i> , 2022, 31, 405-424.	5.8	5
333	Stepping stones towards Antarctica: Switch to southern spawning grounds explains an abrupt range shift in krill. <i>Global Change Biology</i> , 2022, 28, 1359-1375.	9.5	21
334	Phenology-based adjustments improve population estimates of Antarctic breeding seabirds: the case of Cape petrels in East Antarctica. <i>Royal Society Open Science</i> , 2022, 9, 211659.	2.4	0
352	Contrasting life-history traits of two toothfish (<i>Dissostichus</i> spp.) species at their range edge around the South Sandwich Islands. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 201, 105098.	1.4	8
353	Status, Change, and Futures of Zooplankton in the Southern Ocean. <i>Frontiers in Ecology and Evolution</i> , 0, 9, .	2.2	28
354	Antarctica and NE Greenland: Marine Pollution in a Changing World. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 26-43.	0.1	0
355	Antarctic: Climate Change, Fisheries, and Governance. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 15-26.	0.1	0
356	Application of Dual Metabarcoding Platforms for the Meso- and Macrozooplankton Taxa in the Ross Sea. <i>Genes</i> , 2022, 13, 922.	2.4	1
357	Biologicalâ€“physical processes regulate autumn prey availability of spiny icefish <i>Chaenodraco wilsoni</i> in the Bransfield Strait, Antarctic. <i>Journal of Fish Biology</i> , 2022, 101, 289-301.	1.6	2
358	South Sandwich Islands â€“ An understudied isolated Southern Ocean archipelago. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, , 105121.	1.4	0
359	Nimble vessel cruises as a complementary platform for Southern Ocean biodiversity research: concept and preliminary results from the Belgica 121 expedition. <i>Antarctic Science</i> , 2022, 34, 336-342.	0.9	1
360	Melting Antarctic Sea Ice Is Yielding Adverse Effects on a Short-Lived Squid Species in the Antarctic Adjacent Waters. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	1

#	ARTICLE	IF	CITATIONS
361	DETERMINATION OF THE CARBON EMISSIONS OF RESEARCH VESSELS IN ANTARCTIC EXPEDITIONS WITH A STATISTICAL APPROACH. , 0, , .		0
362	Historical population dynamics of the Ad�lie penguin in response to atmospheric-ocean circulation patterns at Beaufort Island, Ross Sea, Antarctica. Global and Planetary Change, 2022, 216, 103892.	3.5	1
363	Thermal trait variation may buffer Southern Ocean phytoplankton from anthropogenic warming. Global Change Biology, 2022, 28, 5755-5767.	9.5	13
364	Projecting environmental and krill fishery impacts on the Antarctic Peninsula food web in 2100. Progress in Oceanography, 2022, 206, 102862.	3.2	4
365	Myctobase, a circumpolar database of mesopelagic fishes for new insights into deep pelagic prey fields. Scientific Data, 2022, 9, .	5.3	5
366	Cephalopod diet of juvenile male southern elephant seals <i>Mirounga leonina</i> at Marion Island, South Indian Ocean. Polar Biology, 0, , .	1.2	0
367	Demography of cape petrels in response to environmental changes. Population Ecology, 0, , .	1.2	1
368	Geographical differences in the diet of <i>Dissostichus mawsoni</i> revealed by metabarcoding. Frontiers in Marine Science, 0, 9, .	2.5	2
369	Ecological interactions between Antarctic krill (<i>Euphausia superba</i>) and baleen whales in the South Sandwich Islands region â Exploring predator-prey biomass ratios. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 189, 103867.	1.4	6
370	Seals from outer space - Population census of southern elephant seals using VHR satellite imagery. Remote Sensing Applications: Society and Environment, 2022, 28, 100836.	1.5	0
371	Warm acclimation alters antioxidant defences but not metabolic capacities in the Antarctic fish, <i>Notothenia coriiceps</i> . , 2022, 10, .		4
372	Cascading effects augment the direct impact of CO2 on phytoplankton growth in a biogeochemical model. Elementa, 2022, 10, .	3.2	2
373	Contrasting the Primary Production and C and Si Export in the Different Environments of the Southern Ocean. SSRN Electronic Journal, 0, , .	0.4	0
374	DNA metabarcoding data reveals harmful algal-bloom species undescribed previously at the northern Antarctic Peninsula region. Polar Biology, 2022, 45, 1495-1512.	1.2	4
375	Untangling unexpected terrestrial conservation challenges arising from the historical human exploitation of marine mammals in the Atlantic sector of the Southern Ocean. Ambio, 2023, 52, 357-375.	5.5	8
376	A DBULSTM-Adaboost Model for Sea Surface Temperature Prediction. PeerJ Computer Science, 0, 8, e1095.	4.5	3
377	Ancient marine sediment DNA reveals diatom transition in Antarctica. Nature Communications, 2022, 13, .	12.8	24
378	Potential for redistribution of post�moult habitat for <i>Eudyptes</i> penguins in the Southern Ocean under future climate conditions. Global Change Biology, 2023, 29, 648-667.	9.5	2

#	ARTICLE	IF	CITATIONS
379	Composition and Distribution of Plankton Communities in the Atlantic Sector of the Southern Ocean. Diversity, 2022, 14, 923.	1.7	11
380	Microbial ecology of the Southern Ocean. FEMS Microbiology Ecology, 2022, 98, .	2.7	3
381	Environmentâ€ triggered demographic changes cascade and compound to propel a dramatic decline of an Antarctic seabird metapopulation. Global Change Biology, 2022, 28, 7234-7249.	9.5	6
382	The distribution of mycosporine-like amino acids in phytoplankton across a Southern Ocean transect. Frontiers in Marine Science, 0, 9, .	2.5	3
383	Age Structure and Spatial Distribution of Euphausia superba Larvae off the Antarctic Peninsula, Southern Ocean. Water (Switzerland), 2022, 14, 3196.	2.7	2
384	Global patterns of sea surface climate connectivity for marine species. Communications Earth & Environment, 2022, 3, .	6.8	4
385	An unexpected role for leucyl aminopeptidase in UV tolerance revealed by a genome-wide fitness assessment in a model cyanobacterium. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	4
387	Multi-decadal changes in the at-sea distribution and abundance of black-browed and light-mantled sooty albatrosses in the southwest Pacific Ocean. ICES Journal of Marine Science, 2022, 79, 2630-2642.	2.5	3
388	A regional-scale approach for modeling primary production and biogenic silica export in the Southern Ocean. Environmental Research, 2022, , 114811.	7.5	0
389	South American Sea Lions Otaria flavescens, a good indicator of relative spatial and temporal changes in the distribution and abundance of marine resources?. Iheringia - Serie Zoologia, 0, 112, .	0.5	1
390	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.	0.7	3
391	Higher biotic than abiotic natural variability of the plankton ecosystem revealed by a time series along a subantarctic transect. Journal of Marine Systems, 2023, 238, 103843.	2.1	3
392	Science Monitoring and Scientific Outreach. , 2023, , 535-596.		0
393	Distribution and Demography of Antarctic Krill and Salps in the Atlantic Sector of the Southern Ocean during Austral Summer 2021â€2022. Water (Switzerland), 2022, 14, 3812.	2.7	10
394	Age and growth estimation of Southern Ocean squid Moroteuthopsis longimana: can we use beaks collected from predatorsâ€™ stomachs?. Marine Biology, 2023, 170, .	1.5	0
395	Biological responses to change in Antarctic sea ice habitats. Frontiers in Ecology and Evolution, 0, 10, .	2.2	6
396	Terrigenous particles regulate autotrophic and heterotrophic microbial assembly and induce humic-like FDOM accumulation in seawater. Frontiers in Marine Science, 0, 9, .	2.5	0
397	Southern Ocean Iron Limitation of Primary Production between Past Knowledge and Future Projections. Journal of Marine Science and Engineering, 2023, 11, 272.	2.6	6

#	ARTICLE	IF	CITATIONS
398	Terrigenous dissolved organic matter input and nutrient-light-limited conditions on the winter microbial food web of the Beagle Channel. <i>Journal of Marine Systems</i> , 2023, 239, 103860.	2.1	6
399	Species distribution models describe spatial variability in mesopelagic fish abundance in the Southern Ocean. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	2
400	Modelled prey fields predict marine predator foraging success. <i>Ecological Indicators</i> , 2023, 147, 109943.	6.3	1
401	Managing for climate resilient fisheries: Applications to the Southern Ocean. <i>Ocean and Coastal Management</i> , 2023, 239, 106580.	4.4	2
402	Positive Atlantic Multidecadal Oscillation has driven poleward redistribution of the West Antarctic Peninsula biota through a food-chain mechanism. <i>Science of the Total Environment</i> , 2023, 881, 163373.	8.0	0
403	Unique benthic foraminiferal communities (stained) in diverse environments of sub-Antarctic fjords, South Georgia. <i>Biogeosciences</i> , 2023, 20, 523-544.	3.3	0
404	The rapid shift of intertidal macroalgal assemblage from vertical shoreline profiles in Barton Peninsula, King George Island, Antarctica during summer. <i>Polar Science</i> , 2023, 35, 100927.	1.2	0
405	An Assessment of the Oceanic Physical and Biogeochemical Components of CMIP5 and CMIP6 Models for the Ross Sea Region. <i>Journal of Geophysical Research: Oceans</i> , 2023, 128, .	2.6	1
406	Phytoplankton competition and resilience under fluctuating temperature. <i>Ecology and Evolution</i> , 2023, 13, .	1.9	1
407	From the Surface Ocean to the Seafloor: Linking Modern and Paleo-Genetics at the Sabrina Coast, East Antarctica (IN2017_V01). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	3.0	1
408	Extreme El Niño southern oscillation conditions have contrasting effects on the body condition of five euphausiid species around the northern Antarctic Peninsula during winter. <i>Polar Biology</i> , 2023, 46, 319-338.	1.2	0
409	Analysis of ecologically relevant sea ice and ocean variables for the Southern Ocean using a high-resolution model to inform ecosystem studies. <i>Progress in Oceanography</i> , 2023, 215, 103049.	3.2	0
410	Estimating population changes in humpback whales <i>Megaptera novaeangliae</i> migrating past Cape Vidal, South Africa. <i>African Journal of Marine Science</i> , 2023, 45, 39-50.	1.1	1
411	Effects of Sea-Ice Persistence on the Diet of Adélie Penguin (<i>Pygoscelis adeliae</i>) Chicks and the Trophic Differences between Chicks and Adults in the Ross Sea, Antarctica. <i>Biology</i> , 2023, 12, 708.	2.8	0
412	Spatio-temporal variations in organic carbon composition driven by two different major phytoplankton communities in the Ross Sea, Antarctica. <i>Science of the Total Environment</i> , 2023, 891, 164666.	8.0	0
413	Unraveling the functional diversity of macrobenthic community from Prydz Bay, Indian sector of the Southern Ocean. <i>Continental Shelf Research</i> , 2023, 263, 105043.	1.8	0
414	Potential macroalgal expansion and blue carbon gains with northern Antarctic Peninsula glacial retreat. <i>Marine Environmental Research</i> , 2023, 189, 106056.	2.5	2
415	Current and projected patterns of warming and marine heatwaves in the Southern Indian Ocean. <i>Progress in Oceanography</i> , 2023, 215, 103036.	3.2	1

#	ARTICLE	IF	CITATIONS
416	Recent Changes in Composition and Distribution Patterns of Summer Mesozooplankton off the Western Antarctic Peninsula. <i>Water (Switzerland)</i> , 2023, 15, 1948.	2.7	2
417	Introduction to the Marine Policy special issue on abandoned, lost and discarded fishing gear: Causes, magnitude, impacts, mitigation methods and priorities for monitoring and evidence-informed management. <i>Marine Policy</i> , 2023, 155, 105738.	3.2	2
418	Pelagic ciliate (Ciliophora) communities in the Southern Ocean: Bioindicator to water mass, habitat suitability classification and potential response to global warming. <i>Progress in Oceanography</i> , 2023, 216, 103081.	3.2	4
419	Plankton diversity and dynamics in the upper surface of the Indian sector of the Southern Ocean ecosystem and biogeochemical processes. <i>Regional Studies in Marine Science</i> , 2023, 65, 103095.	0.7	0
420	Interannual and spatial variation in small zooplankton off Vincennes Bay, East Antarctica. <i>Polar Biology</i> , 0, , .	1.2	0
421	Reproductive phenology is a repeatable, heritable trait linked to the timing of other life-history events in a migratory marine predator. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2023, 290, .	2.6	2
422	Macroalgal input into the coastal food web along a gradient of seasonal sea ice cover along the Western Antarctic Peninsula. <i>Marine Ecology - Progress Series</i> , 0, , .	1.9	1
423	Incorporating mesopelagic fish into the evaluation of conservation areas for marine living resources under climate change scenarios. <i>Marine Life Science and Technology</i> , 2024, 6, 68-83.	4.6	0
424	Composition patterns of surface mesozooplankton in the zonal fronts of Drake Passage. <i>Journal of Plankton Research</i> , 0, , .	1.8	0
426	Current knowledge of the Southern Hemisphere marine microbiome in eukaryotic hosts and the Strait of Magellan surface microbiome project. <i>PeerJ</i> , 0, 11, e15978.	2.0	2
427	Same species, different population dynamics: Spatio-temporal differences of <i>Undaria pinnatifida</i> (Ochrophyta, Phaeophyceae) in the intertidal of North Patagonia, Argentina. <i>Journal of Phycology</i> , 2023, 59, 1310-1322.	2.3	0
428	Ninety years of change, from commercial extinction to recovery, range expansion and decline for Antarctic fur seals at South Georgia. <i>Global Change Biology</i> , 2023, 29, 6867-6887.	9.5	2
430	Dinoflagellate cyst distribution over the past 9 kyrs BP from offshore east Tasmania, southeast Australia. <i>Palynology</i> , 0, , .	1.5	2
431	Holocene climate change shifted Southern Ocean biogeochemical cycling and predator trophic dynamics. <i>Limnology and Oceanography</i> , 2023, 68, 2642-2653.	3.1	0
432	Transport of Anthropogenic Carbon From the Antarctic Shelf to Deep Southern Ocean Triggers Acidification. <i>Global Biogeochemical Cycles</i> , 2023, 37, .	4.9	0
433	Patterns of occurrence of the sub-Antarctic fur seal <i>Arctocephalus tropicalis</i> (Gray 1872) in Southern Brazil: climatic and environmental associations. <i>Polar Biology</i> , 0, , .	1.2	0
434	Spatial structuring in early life stage fish diversity in the Scotia Sea region of the Southern Ocean. <i>Polar Biology</i> , 0, , .	1.2	0
435	Climate change impacts on Antarctic krill behaviour and population dynamics. <i>Nature Reviews Earth & Environment</i> , 2024, 5, 43-58.	29.7	1

#	ARTICLE	IF	CITATIONS
438	New insights into the Weddell Sea ecosystem applying a quantitative network approach. Ocean Science, 2024, 20, 141-153.	3.4	0
439	At second glance: The importance of strict quality control – A case study on microplastic in the Southern Ocean key species Antarctic krill, Euphausia superba. Science of the Total Environment, 2024, 918, 170618.	8.0	0
440	Ice type matters: impacts of landfast and drift ice on body condition in a high Arctic seabird community. Frontiers in Marine Science, 0, 11, .	2.5	0
441	What inhabits the South Sandwich Islands deep-sea? Biodiversity and biogeography of bathyal communities using predators as biological samplers. Deep-Sea Research Part I: Oceanographic Research Papers, 2024, 205, 104260.	1.4	0
442	Short-term temporal variability in offshore benthic biodiversity across hydrographic regions at a sub-Antarctic archipelago. Marine Biology, 2024, 171, .	1.5	0
443	3D reconstruction of horizontal and vertical quasi-geostrophic currents in the North Atlantic Ocean. Earth System Science Data, 2024, 16, 1029-1046.	9.9	0
444	Observing change in pelagic animals as sampling methods shift: the case of Antarctic krill. Frontiers in Marine Science, 0, 11, .	2.5	0
445	What if there is no further south to go: Assessing the vulnerability of Nacella species to climate change. Estuarine, Coastal and Shelf Science, 2024, 301, 108735.	2.1	0
447	Southern Ocean food-webs and climate change: A short review and future directions. , 2024, 3, e0000358.		0
448	Delay in AdÃ©lie penguin nest occupation restricts parental investment in nest construction and reduces reproductive output. Ecology and Evolution, 2024, 14, .	1.9	0