Antarctic penguin response to habitat change as Earth's preindustrial levels

Ecological Monographs 80, 49-66 DOI: 10.1890/08-2289.1

Citation Report

#	Article	IF	CITATIONS
1	Responding to climate change: Adélie Penguins confront astronomical and ocean boundaries. Ecology, 2010, 91, 2056-2069.	1.5	76
2	Working less to gain more: when breeding quality relates to foraging efficiency. Ecology, 2010, 91, 2044-2055.	1.5	101
3	Antarctic sea ice change and variability – Physical and ecological implications. Polar Science, 2010, 4, 149-186.	0.5	254
5	First Recorded Loss of an Emperor Penguin Colony in the Recent Period of Antarctic Regional Warming: Implications for Other Colonies. PLoS ONE, 2011, 6, e14738.	1.1	55
6	Comparison of emperor penguin declines between Pointe Géologie and Haswell Island over the past 50 years. Antarctic Science, 2011, 23, 461-468.	0.5	39
7	Adélie penguin survival: age structure, temporal variability and environmental influences. Oecologia, 2011, 167, 951-965.	0.9	31
8	Intra-seasonal variation in foraging behavior among Adélie penguins (Pygocelis adeliae) breeding at Cape Hallett, Ross Sea, Antarctica. Polar Biology, 2011, 34, 49-67.	0.5	28
9	Review of historical population information of emperor penguins. Polar Biology, 2011, 34, 153-167.	0.5	7
10	Observed and predicted effects of climate on Australian seabirds. Emu, 2011, 111, 235-251.	0.2	89
11	Considerations for minimising the spread of infectious disease in Antarctic seabirds and seals. Polar Record, 2011, 47, 56-66.	0.4	16
12	Projected poleward shift of king penguins' (<i>Aptenodytes patagonicus</i>) foraging range at the Crozet Islands, southern Indian Ocean. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2515-2523.	1.2	94
13	Changes in Wind Pattern Alter Albatross Distribution and Life-History Traits. Science, 2012, 335, 211-214.	6.0	281
15	Effects of climate change and fisheries bycatch on Southern Ocean seabirds: a review. Marine Ecology - Progress Series, 2012, 454, 285-307.	0.9	134
16	An Emperor Penguin Population Estimate: The First Global, Synoptic Survey of a Species from Space. PLoS ONE, 2012, 7, e33751.	1.1	163
17	Effects of climate change on an emperor penguin population: analysis of coupled demographic and climate models. Global Change Biology, 2012, 18, 2756-2770.	4.2	93
18	Adélie penguins and temperature changes in Antarctica: a longâ€ŧerm view. Integrative Zoology, 2012, 7, 113-120.	1.3	15
19	Modeling the relationship of Antarctic minke whales to major ocean boundaries. Polar Biology, 2012, 35, 281-290.	0.5	42
20	Climate change and the oceans – What does the future hold?. Marine Pollution Bulletin, 2013, 74, 495-505	2.3	191

#	ARTICLE	IF	CITATIONS
21	Predicted effects of climate change on potential sources of nonâ€indigenous marine species. Diversity and Distributions, 2013, 19, 257-267.	1.9	21
22	TOURIST ACTIVITIES FOCUSING ON ANTARCTIC PENGUINS. Annals of Tourism Research, 2013, 42, 428-431.	3.7	9
23	Impacts of climate change on avian populations. Clobal Change Biology, 2013, 19, 2036-2057.	4.2	159
24	Impacts of climate variation and potential effects of climate change on South American seabirds – a review. Marine Biology Research, 2013, 9, 337-357.	0.3	23
25	The likelihood and potential impact of future change in the large-scale climate-earth system on ecosystem services. Environmental Science and Policy, 2013, 27, S15-S31.	2.4	30
26	The different breeding strategies of penguins: A review. Comptes Rendus - Biologies, 2013, 336, 1-12.	0.1	32
27	Large-scale occupancy surveys in East Antarctica discover new Adélie penguin breeding sites and reveal an expanding breeding distribution. Antarctic Science, 2013, 25, 531-535.	0.5	17
28	Behavioural and energetic constraints of reproduction: Distinguishing breeding from non-breeding northern fulmars at their colony. Ecoscience, 2013, 20, 48-54.	0.6	1
29	Increase in penguin populations during the Little Ice Age in the Ross Sea, Antarctica. Scientific Reports, 2013, 3, 2472.	1.6	19
30	Elevated corticosterone levels decrease reproductive output of chick-rearing Adelie penguins but do not affect chick mass at fledging. , 2013, 1, cot007-cot007.		33
31	Estimating resource acquisition and atâ€sea body condition of a marine predator. Journal of Animal Ecology, 2013, 82, 1300-1315.	1.3	42
32	Phenological Changes in the Southern Hemisphere. PLoS ONE, 2013, 8, e75514.	1.1	161
33	Adélie Penguin Population Diet Monitoring by Analysis of Food DNA in Scats. PLoS ONE, 2013, 8, e82227.	1.1	108
34	Have Historical Climate Changes Affected Gentoo Penguin (Pygoscelis papua) Populations in Antarctica?. PLoS ONE, 2014, 9, e95375.	1.1	18
35	AdÃf©lie penguins coping with environmental change: results from a natural experiment at the edge of their breeding range. Frontiers in Ecology and Evolution, 2014, 2, .	1.1	48
36	Projected continent-wide declines of the emperor penguin under climate change. Nature Climate Change, 2014, 4, 715-718.	8.1	95
37	Demographic History of the Gentoo Penguin (Pygoscelis papua) and the Adélie Penguin (Pygoscelis) Tj ETQq0	0 0 rgBT /0	Overlock 10 1

38	Penguins in peril. Nature Climate Change, 2014, 4, 667-668.	8.1	1

		CITATION REPORT		
#	Article		IF	CITATIONS
39	The Oceanography and Ecology of the Ross Sea. Annual Review of Marine Science, 2014,	6, 469-487.	5.1	169
40	Long-term trends in the population size and breeding success of emperor penguins at the Glacier colony, Antarctica. Polar Biology, 2014, 37, 251-259.	e Taylor	0.5	14
41	Decrease in stomach contents in the Antarctic minke whale (Balaenoptera bonaerensis) i Southern Ocean. Polar Biology, 2014, 37, 205-215.	n the	0.5	10
42	A method for estimating colony sizes of Adélie penguins using remote sensing imager 2014, 37, 507-517.	v. Polar Biology,	0.5	62
43	Productivity and linkages of the food web of the southern region of the western Antarcti continental shelf. Progress in Oceanography, 2014, 122, 10-29.	c Peninsula	1.5	56
44	Climate change and Southern Ocean ecosystems I: how changes in physical habitats dire marine biota. Global Change Biology, 2014, 20, 3004-3025.	ctly affect	4.2	448
45	Adélie penguin (Pygoscelis adeliae) survival rates and their relationship to environment the South Shetland Islands, Antarctica. Polar Biology, 2014, 37, 1797-1809.	al indices in	0.5	26
46	Applications of Very Highâ€Resolution Imagery in the Study and Conservation of Large P Southern Ocean. Conservation Biology, 2014, 28, 1731-1735.	redators in the	2.4	18
47	Antarctic climate change and the environment: an update. Polar Record, 2014, 50, 237-2	59.	0.4	411
48	Chick production at the largest emperor penguin colony decreases by 50% from 2008â€ Science, 2014, 26, 33-37.	°10. Antarctic	0.5	5
49	Proliferation of East Antarctic Adélie penguins in response to historical deglaciation. Bl Evolutionary Biology, 2015, 15, 236.	viС	3.2	33
50	Predicting responses of the Ad $\tilde{A}f\hat{A}$ ©lie penguin population of Edmonson Point to future in the Ross Sea. Frontiers in Ecology and Evolution, 2015, 3, .	sea ice changes	1.1	21
51	Diversity and structure of soil bacterial communities in the Fildes Region (maritime Antar revealed by 454 pyrosequencing. Frontiers in Microbiology, 2015, 6, 1188.	ctica) as	1.5	115
52	Spatially Extensive Standardized Surveys Reveal Widespread, Multi-Decadal Increase in E Adélie Penguin Populations. PLoS ONE, 2015, 10, e0139877.	ast Antarctic	1.1	47
53	Limited genetic differentiation among chinstrap penguin (Pygoscelis antarctica) colonies Arc and Western Antarctic Peninsula. Polar Biology, 2015, 38, 1493-1502.	in the Scotia	0.5	18
54	Using the unique spectral signature of guano to identify unknown seabird colonies. Remos of Environment, 2015, 156, 448-456.	ote Sensing	4.6	30
55	Remotely-operating camera network expands Antarctic seabird observations of key breed parameters for ecosystem monitoring and management. Journal for Nature Conservation	ling , 2015, 23, 1-8.	0.8	29
56	Too much of a good thing: sea ice extent may have forced emperor penguins into refugia last glacial maximum. Global Change Biology, 2015, 21, 2215-2226.	during the	4.2	32

#	Article	IF	CITATIONS
57	An apparent population decrease, or change in distribution, of Weddell seals along the Victoria Land coast. Marine Mammal Science, 2015, 31, 1338-1361.	0.9	32
58	Emigration in emperor penguins: implications for interpretation of longâ€ŧerm studies. Ecography, 2015, 38, 114-120.	2.1	28
59	Mapping and assessing variability in the Antarctic marginal ice zone, pack ice and coastal polynyas in two sea ice algorithms with implications on breeding success of snow petrels. Cryosphere, 2016, 10, 1823-1843.	1.5	42
60	Population structure and phylogeography of the Gentoo Penguin (<i>Pygoscelis papua</i>) across the Scotia Arc. Ecology and Evolution, 2016, 6, 1834-1853.	0.8	42
61	Geochemical record of high emperor penguin populations during the Little Ice Age at Amanda Bay, Antarctica. Science of the Total Environment, 2016, 565, 1185-1191.	3.9	14
62	Synchronicity between ice retreat and phytoplankton bloom in circumâ€Antarctic polynyas. Geophysical Research Letters, 2016, 43, 2086-2093.	1.5	17
63	Full circumpolar migration ensures evolutionary unity in the Emperor penguin. Nature Communications, 2016, 7, 11842.	5.8	43
64	Advection in polar and sub-polar environments: Impacts on high latitude marine ecosystems. Progress in Oceanography, 2016, 149, 40-81.	1.5	95
65	Projected asymmetric response of Adélie penguins to Antarctic climate change. Scientific Reports, 2016, 6, 28785.	1.6	50
66	Contrasting responses to a climate regime change by sympatric, ice-dependent predators. BMC Evolutionary Biology, 2016, 16, 61.	3.2	16
67	Introduction to the special issue on the Life in Antarctica: Boundaries and Gradients in a Changing Environment (XIth SCAR Biology Symposium). Polar Biology, 2016, 39, 1-10.	0.5	21
68	The influence of historical climate changes on Southern Ocean marine predator populations: a comparative analysis. Global Change Biology, 2016, 22, 474-493.	4.2	41
69	Physiological differences between two overlapped breeding Antarctic penguins in a global change perspective. Polar Biology, 2016, 39, 57-64.	0.5	11
70	Leukocyte counts in different populations of Antarctic Pygoscelid penguins along the Antarctic Peninsula. Polar Biology, 2016, 39, 199-206.	0.5	11
71	Circumpolar analysis of the Adélie Penguin reveals the importance of environmental variability in phenological mismatch. Ecology, 2017, 98, 940-951.	1.5	28
72	The challenges of detecting subtle population structure and its importance for the conservation of emperor penguins. Molecular Ecology, 2017, 26, 3883-3897.	2.0	41
73	Influence of dispersal processes on the global dynamics of Emperor penguin, a species threatened by climate change. Biological Conservation, 2017, 212, 63-73.	1.9	26
74	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.	1.5	18

#	Article	IF	CITATIONS
75	Pan-Antarctic analysis aggregating spatial estimates of Adélie penguin abundance reveals robust dynamics despite stochastic noise. Nature Communications, 2017, 8, 832.	5.8	43
76	Aerial photography based census of Adélie Penguin and its application in CH4 and N2O budget estimation in Victoria Land, Antarctic. Scientific Reports, 2017, 7, 12942.	1.6	9
77	Population genetic structure and gene flow of Adélie penguins (Pygoscelis adeliae) breeding throughout the western Antarctic Peninsula. Antarctic Science, 2017, 29, 499-510.	0.5	9
78	The ecological value of long-term studies of birds and mammals in Central America, South America and Antarctica. Revista Chilena De Historia Natural, 2017, 90, .	0.5	7
79	Penguin colonization following the last glacial-interglacial transition in the Vestfold Hills, East Antarctica. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 490, 629-639.	1.0	18
80	Last Millennium Adélie Penguin Mortality and Colony Abandonment Events on Long Peninsula, East Antarctica. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2878-2889.	1.3	5
81	Local climatology of fast ice in McMurdo Sound, Antarctica. Antarctic Science, 2018, 30, 125-142.	0.5	35
82	Landscape genomics: natural selection drives the evolution of mitogenome in penguins. BMC Genomics, 2018, 19, 53.	1.2	27
83	Predicting the future is hard and other lessons from a population time series data science competition. Ecological Informatics, 2018, 48, 1-11.	2.3	13
84	Study of fauna population changes on Penguin Island and Turret Point Oasis (King George Island,) Tj ETQq1 1 0.	784314 rg 0.5	gBT_/Overlock
85	Dynamic Fine cale Sea Icescape Shapes Adult Emperor Penguin Foraging Habitat in East Antarctica. Geophysical Research Letters, 2019, 46, 11206-11218.	1.5	18
86	Significant decline of endangered Antipodes Island penguins: Is extreme weather an additional impact?. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 546-553.	0.9	4
87	Happy Feet in a Hostile World? The Future of Penguins Depends on Proactive Management of Current and Expected Threats. Frontiers in Marine Science, 2019, 6, .	1.2	64
88	Enhanced westerlies drove penguin movement at 1000â€ ⁻ yr BP on Ardley Island, west Antarctic Peninsula. Quaternary Science Reviews, 2019, 214, 44-53.	1.4	15
89	Emperors on thin ice: three years of breeding failure at Halley Bay. Antarctic Science, 2019, 31, 133-138.	0.5	33
90	The emperor penguin - Vulnerable to projected rates of warming and sea ice loss. Biological Conservation, 2020, 241, 108216.	1.9	35
91	Moult intensity in blue petrels and a key moult site off West Antarctica. Antarctic Science, 2020, 32, 1-9.	0.5	6
92	Marine Ecosystem Assessment for the Southern Ocean: Birds and Marine Mammals in a Changing Climate. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	63

#	Article	IF	CITATIONS
93	Abandonment of Penguin Subcolonies in the Late Nineteenth Century on Inexpressible Island, Antarctica. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG006080.	1.3	3
94	Lagged response of Adélie penguin (Pygoscelis adeliae) abundance to environmental variability in the Ross Sea, Antarctica. Polar Biology, 2020, 43, 1769-1781.	0.5	6
95	Significant chick loss after early fast ice breakup at a high-latitude emperor penguin colony. Antarctic Science, 2020, 32, 180-185.	0.5	7
96	Sea ice predicts longâ€ŧerm trends in Adélie penguin population growth, but not annual fluctuations: Results from a rangeâ€wide multiscale analysis. Global Change Biology, 2020, 26, 3788-3798.	4.2	22
97	Density dependence forces divergent population growth rates and alters occupancy patterns of a central place foraging Antarctic seabird. Ecology and Evolution, 2020, 10, 2339-2351.	0.8	6
98	Discovery of new colonies by Sentinel2 reveals good and bad news for emperor penguins. Remote Sensing in Ecology and Conservation, 2021, 7, 139-153.	2.2	28
99	Penguins and Seals Transport Limiting Nutrients Between Offshore Pelagic and Coastal Regions of Antarctica Under Changing Sea Ice. Ecosystems, 2021, 24, 1203-1221.	1.6	8
100	The Vegetation of the South Shetland Islands and the Climatic Change. , 0, , .		1
101	Environmental DNA as a tool for monitoring Antarctic vertebrates. New Zealand Journal of Zoology, 2021, 48, 245-262.	0.6	6
102	Pitfalls and advances in morphometric sexing: insights from the Adélie penguin Pygoscelis adeliae. Polar Biology, 2021, 44, 1563-1573.	0.5	3
103	The influence of subcolony-scale nesting habitat on the reproductive success of Adélie penguins. Scientific Reports, 2021, 11, 15380.	1.6	8
104	Specific occupation of penguins under Neoglacial cooling on the Scott Coast, Antarctica. Quaternary Science Reviews, 2021, 264, 107010.	1.4	3
105	Phytoplankton growth at low temperatures: results from low temperature incubations. Journal of Plankton Research, 2021, 43, 633-641.	0.8	1
106	The call of the emperor penguin: Legal responses to species threatened by climate change. Global Change Biology, 2021, 27, 5008-5029.	4.2	30
107	Effects of Diesel, Heavy Metals and Plastics Pollution on Penguins in Antarctica: A Review. Animals, 2021, 11, 2505.	1.0	5
108	Insights from the first global population estimate of Weddell seals in Antarctica. Science Advances, 2021, 7, eabh3674.	4.7	25
109	Trace elements in Antarctic penguins and the potential role of guano as source of recycled metals in the Southern Ocean. Chemosphere, 2021, 285, 131423.	4.2	18
110	Different Biochemical Compositions of Particulate Organic Matter Driven by Major Phytoplankton Communities in the Northwestern Ross Sea. Frontiers in Microbiology, 2021, 12, 623600.	1.5	10

#	Article	IF	CITATIONS
111	Human Impacts to Antarctic Wildlife: Predictions and Speculations for 2060. , 2014, , 27-60.		15
114	Climate Change Winners: Receding Ice Fields Facilitate Colony Expansion and Altered Dynamics in an Adélie Penguin Metapopulation. PLoS ONE, 2013, 8, e60568.	1.1	78
115	Emperor Penguins Breeding on Iceshelves. PLoS ONE, 2014, 9, e85285.	1.1	48
116	Antarctic Climate Change: Extreme Events Disrupt Plastic Phenotypic Response in Adélie Penguins. PLoS ONE, 2014, 9, e85291.	1.1	50
117	Trends in the Breeding Population of Adélie Penguins in the Ross Sea, 1981–2012: A Coincidence of Climate and Resource Extraction Effects. PLoS ONE, 2014, 9, e91188.	1.1	89
118	The effect of directional wind components on survival of Little Penguins <i>Eudyptula minor</i> . ANZIAM Journal, 0, 52, 1012.	0.0	8
119	Ecological effects of climate change on little penguins Eudyptula minor and the potential economic impact on tourism. Climate Research, 2013, 58, 67-79.	0.4	36
120	Marine and terrestrial factors affecting AdélieÂpenguin Pygoscelis adeliae chick growth and recruitment off the western Antarctic Peninsula. Marine Ecology - Progress Series, 2011, 436, 273-289.	0.9	54
121	Seasonal ocean temperature and the survival of first-year little penguins Eudyptula minor in south-eastern Australia. Marine Ecology - Progress Series, 2012, 454, 263-272.	0.9	20
122	Factors driving Adélie penguin chick size, mass and condition at colonies of different sizes in the Southern Ross Sea. Marine Ecology - Progress Series, 2015, 523, 199-213.	0.9	22
123	Trophic cascades in the western Ross Sea, Antarctica: revisited. Marine Ecology - Progress Series, 2015, 534, 1-16.	0.9	65
124	Forecasting ocean warming impacts on seabird demography: a case study on the European storm petrel. Marine Ecology - Progress Series, 2016, 552, 255-269.	0.9	14
125	A comparative study of iron and temperature interactive effects on diatoms and Phaeocystis antarctica from the Ross Sea, Antarctica. Marine Ecology - Progress Series, 2016, 550, 39-51.	0.9	43
126	Distributions of krill and Antarctic silverfish and correlations with environmental variables in the western Ross Sea, Antarctica. Marine Ecology - Progress Series, 2017, 584, 45-65.	0.9	39
127	Physical and ecological factors explain the distribution of Ross Sea Weddell seals during the breeding season. Marine Ecology - Progress Series, 2019, 612, 193-208.	0.9	33
128	From trips to bouts to dives: temporal patterns in the diving behaviour of chick-rearing Adélie penguins, East Antarctica. Marine Ecology - Progress Series, 2020, 654, 177-194.	0.9	9
129	Retreating Shorelines as an Emerging Threat to Adélie Penguins on Inexpressible Island. Remote Sensing, 2021, 13, 4718.	1.8	2
130	Molecular Diet Analysis of Adélie Penguins (Pygoscelis adeliae) in the Ross Sea Using Fecal DNA. Biology, 2022, 11, 182.	1.3	4

#	Article	IF	CITATIONS
131	Ornithogenic soils in the lake margin reveal the most recent Adélie penguin recolonization in Cape Royds, Antarctica. Catena, 2022, 212, 106069.	2.2	1
132	Variation in Antarctic Petrel Foraging Ecology: Not All Individuals Specialize on Krill. Frontiers in Marine Science, 2022, 9, .	1.2	0
133	The occupation history of the longest-dwelling Adélie penguin colony reflects Holocene climatic and environmental changes in the Ross Sea, Antarctica. Quaternary Science Reviews, 2022, 284, 107494.	1.4	2
135	Historical population dynamics of the Adélie penguin in response to atmospheric-ocean circulation patterns at Beaufort Island, Ross Sea, Antarctica. Global and Planetary Change, 2022, 216, 103892.	1.6	1
136	Environmentâ€ŧriggered demographic changes cascade and compound to propel a dramatic decline of an Antarctic seabird metapopulation. Global Change Biology, 2022, 28, 7234-7249.	4.2	6
137	New Magellanic penguin Spheniscus magellanicus colony in a subantarctic island. Polar Biology, 2022, 45, 1553-1558.	0.5	3
138	Observations on Marine Mammals and Seabirds in the Antarctic: Ecological Fingerprints of Seaside Distributions during the 79th Voyage of the R/V Akademik Mstislav Keldysh. Biology Bulletin, 2022, 49, 1244-1259.	0.1	1
139	Positive Atlantic Multidecadal Oscillation has driven poleward redistribution of the West Antarctic Peninsula biota through a food-chain mechanism. Science of the Total Environment, 2023, 881, 163373.	3.9	0
143	Penguins Coping with a Changing Ocean. Fascinating Life Sciences, 2023, , 437-458.	0.5	0