

Absence of 21st century warming on Antarctic Peninsula variability

Nature

535, 411-415

DOI: [10.1038/nature18645](https://doi.org/10.1038/nature18645)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Cooling in the Antarctic. <i>Nature</i> , 2016, 535, 358-359.	13.7	2
2	Testing reanalysis data sets in Antarctica: Trends, persistence properties, and trend significance. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,839.	1.2	41
3	Identification of Air Masses Responsible for Warm Events on the East Antarctic Coast. <i>Scientific Online Letters on the Atmosphere</i> , 2016, 12, 307-313.	0.6	7
4	Active layer and permafrost thermal regime in a patterned ground soil in Maritime Antarctica, and relationship with climate variability models. <i>Science of the Total Environment</i> , 2017, 584-585, 572-585.	3.9	22
5	Atmosphere-ocean-ice interactions in the Amundsen Sea Embayment, West Antarctica. <i>Reviews of Geophysics</i> , 2017, 55, 235-276.	9.0	92
6	Climate change effects on Antarctic benthos: a spatially explicit model approach. <i>Climatic Change</i> , 2017, 141, 733-746.	1.7	13
7	Marine studies at the western Antarctic Peninsula: Priorities, progress and prognosis. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 1-8.	0.6	28
8	Short timescale dynamics of phytoplankton in Fildes Bay, Antarctica. <i>Antarctic Science</i> , 2017, 29, 217-228.	0.5	10
9	Study on susceptibility of CO ₂ -assisted pyrolysis of various biomass to CO ₂ . <i>Energy</i> , 2017, 137, 510-517.	4.5	53
10	East Antarctic ice sheet most vulnerable to Weddell Sea warming. <i>Geophysical Research Letters</i> , 2017, 44, 2343-2351.	1.5	67
11	Past penguin colony responses to explosive volcanism on the Antarctic Peninsula. <i>Nature Communications</i> , 2017, 8, 14914.	5.8	53
12	Delayed warming hiatus over the Tibetan Plateau. <i>Earth and Space Science</i> , 2017, 4, 128-137.	1.1	23
13	Contrasting nitrogen use efficiency of Antarctic vascular plants may explain their population expansion in Antarctica. <i>Polar Biology</i> , 2017, 40, 1569-1580.	0.5	10
14	Decadal variability in coastal phytoplankton community composition in a changing West Antarctic Peninsula. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 124, 42-54.	0.6	138
15	Temporal controls on silicic acid utilisation along the West Antarctic Peninsula. <i>Nature Communications</i> , 2017, 8, 14645.	5.8	3
16	Possible connections of the opposite trends in Arctic and Antarctic sea-ice cover. <i>Scientific Reports</i> , 2017, 7, 45804.	1.6	30
17	Summer microbial community composition governed by upper-ocean stratification and nutrient availability in northern Marguerite Bay, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 151-166.	0.6	22
18	Widespread Biological Response to Rapid Warming on the Antarctic Peninsula. <i>Current Biology</i> , 2017, 27, 1616-1622.e2.	1.8	102

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19	Active layer monitoring at CALM-S site near J.G.Mendel Station, James Ross Island, eastern Antarctic Peninsula. <i>Science of the Total Environment</i> , 2017, 601-602, 987-997.	3.9	30
20	Alpine soil carbon is vulnerable to rapid microbial decomposition under climate cooling. <i>ISME Journal</i> , 2017, 11, 2102-2111.	4.4	33
21	Ice and firn heterogeneity within Larsen C Ice Shelf from borehole optical televiewing. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 1139-1153.	1.0	13
22	Controls on dissolved and particulate iron distributions in surface waters of the Western Antarctic Peninsula shelf. <i>Marine Chemistry</i> , 2017, 196, 81-97.	0.9	60
23	Drivers of interannual variability in virioplankton abundance at the coastal western Antarctic peninsula and the potential effects of climate change. <i>Environmental Microbiology</i> , 2017, 19, 740-755.	1.8	27
24	Recent regional climate cooling on the Antarctic Peninsula and associated impacts on the cryosphere. <i>Science of the Total Environment</i> , 2017, 580, 210-223.	3.9	204
25	Global thermal niche models of two European grasses show high invasion risks in Antarctica. <i>Global Change Biology</i> , 2017, 23, 2863-2873.	4.2	54
26	Antarctica-Regional Climate and Surface Mass Budget. <i>Current Climate Change Reports</i> , 2017, 3, 303-315.	2.8	29
27	Pan-Antarctic analysis aggregating spatial estimates of AdÃ©lie penguin abundance reveals robust dynamics despite stochastic noise. <i>Nature Communications</i> , 2017, 8, 832.	5.8	43
28	Antarctica, 1979â€”2016 sea ice extent: total versus regional trends, anomalies, and correlation with climatological variables. <i>International Journal of Remote Sensing</i> , 2017, 38, 7566-7584.	1.3	18
29	Large-Scale Forcing of the Amundsen Sea Low and Its Influence on Sea Ice and West Antarctic Temperature. <i>Journal of Climate</i> , 2017, 30, 8405-8424.	1.2	33
30	Barriers to globally invasive species are weakening across the Antarctic. <i>Diversity and Distributions</i> , 2017, 23, 982-996.	1.9	75
31	Radionuclides and soil properties as indicators of glacier retreat in a recently deglaciated permafrost environment of the Maritime Antarctica. <i>Science of the Total Environment</i> , 2017, 609, 192-204.	3.9	24
32	Recent Warming and Cooling in the Antarctic Peninsula Region has Rapid and Large Effects on Lichen Vegetation. <i>Scientific Reports</i> , 2017, 7, 5689.	1.6	61
33	Restricted regions of enhanced growth of Antarctic krill in the circumpolar Southern Ocean. <i>Scientific Reports</i> , 2017, 7, 6963.	1.6	33
34	Impacts of the Larsen-C Ice Shelf calving event. <i>Nature Climate Change</i> , 2017, 7, 540-542.	8.1	111
35	Inferring subglacial topography of the Emerald Icefalls (King George Island, Antarctica) from ice surface terrestrial laser scanning. , 2017, , .		1
36	Does highâ€”resolution modelling improve the spatial analysis of fÃ¼rn flow over the Larsen C Ice Shelf?. <i>Weather</i> , 2017, 72, 192-196.	0.6	20

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37	Distribution of Upper Circumpolar Wedgeter on the warming continental shelf of the West Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5306-5315.	1.0	49
38	Revealing higher than expected meiofaunal diversity in Antarctic sediments: a metabarcoding approach. <i>Scientific Reports</i> , 2017, 7, 6094.	1.6	51
39	The Impact of Föhn Winds on Surface Energy Balance During the 2010–2011 Melt Season Over Larsen C Ice Shelf, Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,062.	1.2	39
40	Snow Accumulation Variability Over the West Antarctic Ice Sheet Since 1900: A Comparison of Ice Core Records With ERA-20C Reanalysis. <i>Geophysical Research Letters</i> , 2017, 44, 11,482.	1.5	14
41	Research on climate-change impact on Southern Ocean and Antarctic ecosystems after the UN Paris climate conference—“now more than ever” or “set sail to new shores?”. <i>Polar Biology</i> , 2017, 40, 1481-1492.	0.5	4
42	Climate change drives expansion of Antarctic ice-free habitat. <i>Nature</i> , 2017, 547, 49-54.	13.7	297
43	Ground temperature and permafrost distribution in Hurd Peninsula (Livingston Island, Maritime) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	2.2	65
44	Regional climate of the Larsen B embayment 1980–2014. <i>Journal of Glaciology</i> , 2017, 63, 683-690.	1.1	18
45	The microphysics of clouds over the Antarctic Peninsula – Part 2: modelling aspects within Polar WRF. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10195-10221.	1.9	34
46	Photosynthetic limitations in two Antarctic vascular plants: importance of leaf anatomical traits and Rubisco kinetic parameters. <i>Journal of Experimental Botany</i> , 2017, 68, 2871-2883.	2.4	47
47	Tropical forcing of increased Southern Ocean climate variability revealed by a 140-year subantarctic temperature reconstruction. <i>Climate of the Past</i> , 2017, 13, 231-248.	1.3	23
49	Assessing Drivers of Coastal Primary Production in Northern Marguerite Bay, Antarctica. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	13
50	A Synergistic Approach for Evaluating Climate Model Output for Ecological Applications. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	37
51	Observationally constrained surface mass balance of Larsen C ice shelf, Antarctica. <i>Cryosphere</i> , 2017, 11, 2411-2426.	1.5	16
52	Recent Deceleration of the Ice Elevation Change of Ecology Glacier (King George Island, Antarctica). <i>Remote Sensing</i> , 2017, 9, 520.	1.8	43
53	Centuries of intense surface melt on Larsen C Ice Shelf. <i>Cryosphere</i> , 2017, 11, 2743-2753.	1.5	19
54	The changing extent of the glaciers along the western Ross Sea, Antarctica. <i>Geology</i> , 2017, 45, 927-930.	2.0	9
55	Foehn Event Triggered by an Atmospheric River Underlies Record-Setting Temperature Along Continental Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3871-3892.	1.2	71

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57	What affects the probability of biological invasions in Antarctica? Using an expanded conceptual framework to anticipate the risk of alien species expansion. <i>Biodiversity and Conservation</i> , 2018, 27, 1789-1809.	1.2	21
58	<i>In situ</i> warming in the Antarctic: effects on growth and photosynthesis in Antarctic vascular plants. <i>New Phytologist</i> , 2018, 218, 1406-1418.	3.5	48
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60	A Simple Accurate Formula for Calculating Saturation Vapor Pressure of Water and Ice. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 1265-1272.	0.6	83
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62	Microbial activity during a coastal phytoplankton bloom on the Western Antarctic Peninsula in late summer. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	24
63	Evaluation of the significance of abrupt changes in precipitation and runoff process in China. <i>Journal of Hydrology</i> , 2018, 560, 451-460.	2.3	24
64	Search for Trends and Periodicities in Inter-hemispheric Sea Surface Temperature Difference. <i>Pure and Applied Geophysics</i> , 2018, 175, 2381-2394.	0.8	7
65	Sources, variability and fate of freshwater in the Bellingshausen Sea, Antarctica. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 133, 59-71.	0.6	14
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67	Atmospheric Patterns over the Antarctic Peninsula. <i>Journal of Climate</i> , 2018, 31, 3597-3608.	1.2	22
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69	Untargeted metabolic profiling reveals distinct patterns of thermal sensitivity in two related notothenioids. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 217, 43-54.	0.8	13
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71	The Interconnected Global Climate System—A Review of Tropical–Polar Teleconnections. <i>Journal of Climate</i> , 2018, 31, 5765-5792.	1.2	86
72	Competition between native Antarctic vascular plants and invasive <i>Poa annua</i> changes with temperature and soil nitrogen availability. <i>Biological Invasions</i> , 2018, 20, 1597-1610.	1.2	28
73	On the temporal variability of intermediate and deep waters in the Western Basin of the Bransfield Strait. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 149, 31-46.	0.6	28

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75	Autumn Cooling of Western East Antarctica Linked to the Tropical Pacific. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 89-107.	1.2	21
76	Interpreting environmental changes from radionuclides and soil characteristics in different landform contexts of Elephant Island (maritime Antarctica). <i>Land Degradation and Development</i> , 2018, 29, 3141-3158.	1.8	19
77	Modeling the Dynamics of the Atmospheric Boundary Layer Over the Antarctic Plateau With a General Circulation Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 98-125.	1.3	34
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79	Effect of temperature on bacterial community in petroleum hydrocarbon-contaminated and uncontaminated Antarctic soil. <i>Polar Biology</i> , 2018, 41, 1763-1775.	0.5	21
80	Combined effects of temperature and salinity on fatty acid content and lipid damage in Antarctic phytoplankton. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 503, 120-128.	0.7	26
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83	A first approach to calculate BIOCLIM variables and climate zones for Antarctica. <i>Theoretical and Applied Climatology</i> , 2018, 131, 1397-1415.	1.3	9
84	Can Antarctic lichens acclimatize to changes in temperature?. <i>Global Change Biology</i> , 2018, 24, 1123-1135.	4.2	63
85	Modelling the fate of surface melt on the Larsen C Ice Shelf. <i>Cryosphere</i> , 2018, 12, 3565-3575.	1.5	15
86	Spatially coherent late Holocene Antarctic Peninsula surface air temperature variability. <i>Geology</i> , 2018, 46, 1071-1074.	2.0	20
87	Changing pattern of ice flow and mass balance for glaciers discharging into the Larsen A and B embayments, Antarctic Peninsula, 2011 to 2016. <i>Cryosphere</i> , 2018, 12, 1273-1291.	1.5	46
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89	Remote sensing of albedo-reducing snow algae and impurities in the Maritime Antarctica. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 146, 507-517.	4.9	43
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93	How robust are the temperature trends on the Antarctic Peninsula?. <i>Antarctic Science</i> , 2018, 30, 322-328.	0.5	33
94	Rapid change in East Antarctic terrestrial vegetation in response to regional drying. <i>Nature Climate Change</i> , 2018, 8, 879-884.	8.1	100
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97	Warmer Temperatures Affect the in situ Freezing Resistance of the Antarctic Vascular Plants. <i>Frontiers in Plant Science</i> , 2018, 9, 1456.	1.7	21
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99	Spatiotemporal Variability in Extreme Precipitation in China from Observations and Projections. <i>Water (Switzerland)</i> , 2018, 10, 1089.	1.2	27
100	Lichen species assemblage gradient in South Shetlands Islands, Antarctica: relationship to deglaciation and microsite conditions. <i>Polar Biology</i> , 2018, 41, 2523-2531.	0.5	11
101	Seasonal similarity in rates of protistan herbivory in fjords along the Western Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2018, 63, 2858-2876.	1.6	6
102	Recession and Ice Surface Elevation Changes of Baranowski Glacier and Its Impact on Proglacial Relief (King George Island, West Antarctica). <i>Geosciences (Switzerland)</i> , 2018, 8, 355.	1.0	15
103	Discrete taxa of saprotrophic fungi respire different ages of carbon from Antarctic soils. <i>Scientific Reports</i> , 2018, 8, 7866.	1.6	27
104	Anatomy of a glacial meltwater discharge event in an Antarctic cove. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170163.	1.6	36
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111	Seafloor geomorphology of western Antarctic Peninsula bays: a signature of ice flow behaviour. <i>Cryosphere</i> , 2018, 12, 205-225.	1.5	13
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113	Decadal Climate Change in Ny-Ålesund, Svalbard, A Representative Area of the Arctic. <i>Condensed Matter</i> , 2018, 3, 12.	0.8	11
114	Cloud Optical Properties Over West Antarctica From Shortwave Spectroradiometer Measurements During AWARE. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9559-9570.	1.2	5
115	A Multidecadal Analysis of Föhn Winds over Larsen C Ice Shelf from a Combination of Observations and Modeling. <i>Atmosphere</i> , 2018, 9, 172.	1.0	27
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117	Surface mass balance of small glaciers on James Ross Island, north-eastern Antarctic Peninsula, during 2009–2015. <i>Journal of Glaciology</i> , 2018, 64, 349-361.	1.1	29
118	Ocean as the main driver of Antarctic ice sheet retreat during the Holocene. <i>Global and Planetary Change</i> , 2018, 166, 62-74.	1.6	17
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122	Ensemble Modeling of Antarctic Macroalgal Habitats Exposed to Glacial Melt in a Polar Fjord. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	21
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125	Variations in Antarctic Peninsula snow liquid water during 1999–2017 revealed by merging radiometer, scatterometer and model estimations. <i>Remote Sensing of Environment</i> , 2019, 232, 111219.	4.6	20
126	Comparison of different methods for detecting change points in hydroclimatic time series. <i>Journal of Hydrology</i> , 2019, 577, 123973.	2.3	16
127	Spatial and temporal dynamics of Antarctic shallow soft-bottom benthic communities: ecological drivers under climate change. <i>BMC Ecology</i> , 2019, 19, 27.	3.0	23
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129	Habitat controls on limno-terrestrial diatom communities of Clearwater Mesa, James Ross Island, Maritime Antarctica. <i>Polar Biology</i> , 2019, 42, 1595-1613.	0.5	14

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130	Lack of long-term acclimation in Antarctic encrusting species suggests vulnerability to warming. <i>Nature Communications</i> , 2019, 10, 3383.	5.8	21
131	Distribution and temporal trends of temperature extremes over Antarctica. <i>Environmental Research Letters</i> , 2019, 14, 084040.	2.2	14
132	The Medieval Climate Anomaly in Antarctica. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 532, 109251.	1.0	29
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139	Sixty Years of Widespread Warming in the Southern Middle and High Latitudes (1957â€“2016). <i>Journal of Climate</i> , 2019, 32, 6875-6898.	1.2	49
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143	Spatial and Temporal Variability of Glacier Surface Velocities and Outlet Areas on James Ross Island, Northern Antarctic Peninsula. <i>Geosciences (Switzerland)</i> , 2019, 9, 374.	1.0	5
144	Seabird and pinniped shape soil bacterial communities of their settlements in Cape Shirreff, Antarctica. <i>PLoS ONE</i> , 2019, 14, e0209887.	1.1	10
145	Snow algae communities in Antarctica: metabolic and taxonomic composition. <i>New Phytologist</i> , 2019, 222, 1242-1255.	3.5	60
146	Ocean temperature impact on ice shelf extent in the eastern Antarctic Peninsula. <i>Nature Communications</i> , 2019, 10, 304.	5.8	48
147	Observing and Modeling Ice Sheet Surface Mass Balance. <i>Reviews of Geophysics</i> , 2019, 57, 376-420.	9.0	119

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148	The pioneer lichen <i>Placopsis</i> in maritime Antarctica: Genetic diversity of their mycobionts and green algal symbionts, and their correlation with deglaciation time. <i>Symbiosis</i> , 2019, 79, 1-24.	1.2	19
149	Role of the South Pacific Convergence Zone in West Antarctic Decadal Climate Variability. <i>Geophysical Research Letters</i> , 2019, 46, 6900-6909.	1.5	18
150	Effects of glacier melting on the planktonic communities of two Antarctic coastal areas (Potter Cove) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	10
151	Nest characteristics determine nest microclimate and affect breeding output in an Antarctic seabird, the Wilson's storm-petrel. <i>PLoS ONE</i> , 2019, 14, e0217708.	1.1	16
152	The Antarctic Peninsula Under a 1.5°C Global Warming Scenario. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	117
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154	Positive interactions among native and invasive vascular plants in Antarctica: assessing the nurse effect at different spatial scales. <i>Biological Invasions</i> , 2019, 21, 2819-2836.	1.2	13
155	The Characteristics of Surface Albedo Change Trends over the Antarctic Sea Ice Region during Recent Decades. <i>Remote Sensing</i> , 2019, 11, 821.	1.8	8
156	Lacustrine systems of Clearwater Mesa (James Ross Island, north-eastern Antarctic Peninsula): geomorphological setting and limnological characterization. <i>Antarctic Science</i> , 2019, 31, 169-188.	0.5	10
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