Arctic system on trajectory to new, seasonally ice-free s

Eos

86, 309

DOI: 10.1029/2005eo340001

Citation Report

#	Article	IF	Citations
1	ATMOSPHERIC SCIENCE: Tipping Points in the Tundra. Science, 2005, 310, 627-628.	12.6	41
2	Reductions in Arctic sea ice cover no longer limited to summer. Eos, 2005, 86, 326.	0.1	44
3	Assessment of the AMSR-E Sea Ice-Concentration Product at the Ice Edge Using RADARSAT-1 and MODIS Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 3070-3080.	6.3	51
4	Mid-Holocene El NiÃ±oâ€“Southern Oscillation (ENSO) attenuation revealed by individual foraminifera in eastern tropical Pacific sediments. Geology, 2006, 34, 993.	4.4	257
5	The evidence for shrub expansion in Northern Alaska and the Pan-Arctic. Global Change Biology, 2006, 12, 686-702.	9.5	1,035
6	The Arctic on the fast track of change. Weather, 2006, 61, 65-69.	0.7	51
7	Overview and significance of a 250Âka paleoclimate record from Elâ€™gygytgyn Crater Lake, NE Russia. Journal of Paleolimnology, 2006, 37, 1-16.	1.6	81
8	Food webs and physicalâ€“biological coupling on pan-Arctic shelves: Unifying concepts and comprehensive perspectives. Progress in Oceanography, 2006, 71, 446-477.	3.2	407
9	Climate variability and physical forcing of the food webs and the carbon budget on panarctic shelves. Progress in Oceanography, 2006, 71, 145-181.	3.2	220
10	Trajectory Shifts in the Arctic and Subarctic Freshwater Cycle. Science, 2006, 313, 1061-1066.	12.6	313
11	Is There a Diurnal Cycle in the Summer Cloud-Capped Arctic Boundary Layer?. Journals of the Atmospheric Sciences, 2007, 64, 3970-3986.	1.7	36
12	Influence of Arctic Wetlands on Arctic Atmospheric Circulation. Journal of Climate, 2007, 20, 4243-4254.	3.2	14
13	One hundred years in the Norwegian Sea. Norsk Geografisk Tidsskrift, 2007, 61, 56-75.	0.7	19
14	Chapter 13 Polynyas and Climate Change: A View to the Future. Elsevier Oceanography Series, 2007, 74, 411-419.	0.1	8
15	Whither Arctic sea ice? A clear signal of decline regionally, seasonally and extending beyond the satellite record. Annals of Glaciology, 2007, 46, 428-434.	1.4	172
16	The role of ozone atmosphere-snow gas exchange on polar, boundary-layer tropospheric ozone â€“ a review and sensitivity analysis. Atmospheric Chemistry and Physics, 2007, 7, 15-30.	4.9	60
17	Halogens and their role in polar boundary-layer ozone depletion. Atmospheric Chemistry and Physics, 2007, 7, 4375-4418.	4.9	593
18	First-year sea-ice contact predicts bromine monoxide (BrO) levels at Barrow, Alaska better than potential frost flower contact. Atmospheric Chemistry and Physics, 2007, 7, 621-627.	4.9	157

#	Article	IF	Citations
19	Dangerous human-made interference with climate: a GISS modelE study. Atmospheric Chemistry and Physics, 2007, 7, 2287-2312.	4.9	211
20	Respiration, mineralization, and biochemical properties of the particulate matter in the southern Nansen Basin water column in April 1981. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 403-414.	1.4	22
21	Pacific walruses, indigenous hunters, and climate change: Bridging scientific and indigenous knowledge. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 2946-2957.	1.4	54
22	The tracing of riverine U in Arctic seawater with very precise 234U/238U measurements. Earth and Planetary Science Letters, 2007, 259, 171-185.	4.4	60
23	Relating temporal and spatial patterns of DMSP in the Barents Sea to phytoplankton biomass and productivity. Journal of Marine Systems, 2007, 67, 83-101.	2.1	40
24	Landward and eastward shift of Alaskan polar bear denning associated with recent sea ice changes. Polar Biology, 2007, 30, 1395-1405.	1.2	143
25	Inflatable â€˜Evergreenâ€™ dome settlements for Earthâ€™s Polar Regions. Clean Technologies and Environmental Policy, 2007, 9, 125-132.	4.1	12
26	Marine mammals as ecosystem sentinels. Journal of Mammalogy, 2008, 89, 534-540.	1.3	252
27	High resolution (400Âm) motion characterization of sea ice using ERS-1 SAR imagery. Cold Regions Science and Technology, 2008, 52, 207-223.	3.5	65
28	CLIMATE OF THE ARCTIC MARINE ENVIRONMENT. , 2008, 18, S3-S22.		134
29	How Well Do Regional Climate Models Reproduce Radiation and Clouds in the Arctic? An Evaluation of ARCMIP Simulations. Journal of Applied Meteorology and Climatology, 2008, 47, 2405-2422.	1.5	106
30	The Influence of Cloud and Surface Properties on the Arctic Ocean Shortwave Radiation Budget in Coupled Models*. Journal of Climate, 2008, 21, 866-882.	3.2	45
31	Effects of Climate Change on Polar Bears. Science Progress, 2008, 91, 151-173.	1.9	43
32	Nonlinear threshold behavior during the loss of Arctic sea ice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 28-32.	7.1	179
33	Attribution of Projected Changes in Atmospheric Moisture Transport in the Arctic: A Self-Organizing Map Perspective. Journal of Climate, 2009, 22, 4135-4153.	3.2	65
34	The vertical structure of the lower Arctic troposphere analysed from observations and the ERAâ€40 reanalysis. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 431-443.	2.7	132
35	Food, culture, and human health in Alaska: an integrative health approach to food security. Environmental Science and Policy, 2009, 12, 466-478.	4.9	134
36	Loss of Arctic sea ice causing punctuated change in sightings of killer whales (Orcinus orca) over the past century. Ecological Applications, 2009, 19, 1365-1375.	3.8	147

#	Article	IF	Citations
37	Rebuttal of â€œPolar Bear Population Forecasts: A Public-Policy Forecasting Auditâ€. Interfaces, 2009, 39, 353-369.	1.5	12
38	An arctic hydrologic system in transition: Feedbacks and impacts on terrestrial, marine, and human life. Journal of Geophysical Research, 2009, 114, .	3.3	69
39	Does the Agulhas Current amplify global temperatures during superâ€interglacials?. Journal of Quaternary Science, 2010, 25, 839-843.	2.1	163
40	Forecasting the consequences of climate-driven shifts in human behavior on cetaceans. Marine Policy, 2010, 34, 943-954.	3.2	32
41	Structures and property distributions in the three oceans surrounding Canada in 2007: A basis for a longâ€term ocean climate monitoring strategy. Atmosphere - Ocean, 2010, 48, 211-224.	1.6	28
42	Transitional states in marine fisheries: adapting to predicted global change. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3753-3763.	4.0	69
43	Spatial distribution of soil organic carbon in northwest Greenland and underestimates of high Arctic carbon stores. Global Biogeochemical Cycles, 2010, 24, .	4.9	40
44	Linking pan-Arctic human and physical data. Polar Geography, 2011, 34, 107-123.	1.9	5
45	The reversibility of sea ice loss in a state-of-the-art climate model. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	75
46	Arctic Warming Ripples through Eurasia. Eurasian Geography and Economics, 2011, 52, 56-78.	2.6	10
47	Climatic trends. , 0, , 1-2.		0
48	Sea-level rise and ice-sheet dynamics. , 0, , 50-74.		0
49	Evaluating the observed variability in hyperspectral Earth-reflected solar radiance. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	16
50	Seasonal ice mass-balance buoys: adapting tools to the changing Arctic. Annals of Glaciology, 2011, 52, 18-26.	1.4	42
51	Evidence and implications of recent and projected climate change in Alaska's forest ecosystems. Ecosphere, 2011, 2, art124.	2.2	87
52	Extreme physiological adaptations as predictors of climateâ€change sensitivity in the narwhal,Monodon monoceros. Marine Mammal Science, 2011, 27, 334-349.	1.8	49
53	Towards recognition of physical and geochemical change in Subarctic and Arctic Seas. Progress in Oceanography, 2011, 90, 90-104.	3.2	74
54	Sweeping scientific data under a polar bear skin rug: The IUCN and the proposed listing of polar bears under CITES Appendix I. Marine Policy, 2011, 35, 729-731.	3.2	8

#	Article	IF	Citations
55	On the Role of Geomorphic Forcing in Tipping the Sea-Ice System. Journal of Coastal Research, 2012, 283, 774-779.	0.3	0
56	Our Common Futurein the Arctic Ocean. Round Table, 2012, 101, 123-135.	0.2	3
57	Assessing Institutional Alternatives for Future Northwest Passage Governance. American Review of Canadian Studies, 2012, 42, 171-194.	0.1	0
58	Seasonal variability of water mass distribution in the southeastern Beaufort Sea determined by total alkalinity and Î´¹⁸O. Journal of Geophysical Research, 2012, 117, .	3.3	73
59	The Future of Arctic Sea Ice. Annual Review of Earth and Planetary Sciences, 2012, 40, 625-654.	11.0	114
60	How Many Seals Were There? The Global Shelf Loss during the Last Glacial Maximum and Its Effect on the Size and Distribution of Grey Seal Populations. PLoS ONE, 2012, 7, e53000.	2.5	14
61	Killer whales (Orcinus orca) in the Canadian Arctic: Distribution, prey items, group sizes, and seasonality. Marine Mammal Science, 2012, 28, E93.	1.8	74
62	Biology of the Greenland shark Somniosus microcephalus. Journal of Fish Biology, 2012, 80, 991-1018.	1.6	103
63	Occurrence of killer whale Orcinus orca rake marks on Eastern Canada-West Greenland bowhead whales Balaena mysticetus. Polar Biology, 2013, 36, 1133-1146.	1.2	29
64	Multiple sea-ice states and abrupt MOC transitions in a general circulation ocean model. Climate Dynamics, 2013, 40, 1803-1817.	3.8	7
65	Climatic variability in Central Indian Himalaya during the last â¼1800 years: Evidence from a high resolution speleothem record. Quaternary International, 2013, 304, 183-192.	1.5	91
66	Synthesis of primary production in the Arctic Ocean: I. Surface waters, 1954â€“2007. Progress in Oceanography, 2013, 110, 93-106.	3.2	75
67	Drivers of projected change in arctic moist static energy transport. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2748-2761.	3.3	31
68	What is the Trajectory of Arctic Sea Ice?. Geophysical Monograph Series, 2013, , 175-185.	0.1	2
69	Arctic Cloud Properties and Radiative Forcing from Observations and their Role in Sea Ice Decline Predicted by the NCAR CCSM3 Model During the 21st Century. Geophysical Monograph Series, 0, , 47-62.	0.1	8
70	Multiple Equilibria and Abrupt Transitions in Arctic Summer Sea Ice Extent. Geophysical Monograph Series, 0, , 151-174.	0.1	14
71	Upper thermal limits of cardiac function for Arctic cod Boreogadus saida, a key food web fish species in the Arctic Ocean. Journal of Fish Biology, 2014, 84, 1781-1792.	1.6	35
72	Impacts of sea ice retreat, thinning, and melt-pond proliferation on the summer phytoplankton bloom in the Chukchi Sea, Arctic Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 105, 85-104.	1.4	46

#	Article	IF	Citations
73	Interdecadal changes in snow depth on Arctic sea ice. Journal of Geophysical Research: Oceans, 2014, 119, 5395-5406.	2.6	186
74	Seasonal evolution of melt ponds on Arctic sea ice. Journal of Geophysical Research: Oceans, 2015, 120, 5968-5982.	2.6	83
75	Arctic Freshwater Synthesis: Introduction. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2121-2131.	3.0	34
76	A new perspective on changing Arctic marine ecosystems: panarchy adaptive cycles in pan-Arctic spatial and temporal scales. , 2015, , 109-126.		5
77	Comparison of phytoplankton macromolecular compositions and zooplankton proximate compositions in the northern Chukchi Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 120, 82-90.	1.4	29
78	Formalizing the semantics of sea ice. Earth Science Informatics, 2015, 8, 51-62.	3.2	7
79	Rapid maturation of the muscle biochemistry that supports diving in Pacific walruses (<i>Odobenus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	21
80	Global and regional drivers of nutrient supply, primary production and CO2 drawdown in the changing Arctic Ocean. Progress in Oceanography, 2015, 139, 171-196.	3.2	226
81	Responsiveness of Polar Sea Ice Extent to Air Temperature 1979-2016. SSRN Electronic Journal, 2016, , .	0.4	0
82	The influence of global climate change on the environmental fate of persistent organic pollutants: A review with emphasis on the Northern Hemisphere and the Arctic as a receptor. Global and Planetary Change, 2016, 146, 89-108.	3.5	118
83	White Arctic vs. Blue Arctic: A case study of diverging stakeholder responses to environmental change. Earth's Future, 2016, 4, 396-405.	6.3	17
84	Climigration? Population and climate change in Arctic Alaska. Population and Environment, 2016, 38, 115-133.	3.0	84
85	Interaction of sea ice floe size, ocean eddies, and sea ice melting. Geophysical Research Letters, 2016, 43, 8083-8090.	4.0	69
86	Freshwater and its role in the Arctic Marine System: Sources, disposition, storage, export, and physical and biogeochemical consequences in the Arctic and global oceans. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 675-717.	3.0	317
87	Baleen whale abundance and distribution in relation to environmental variables and prey density in the Eastern Bering Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 134, 312-330.	1.4	26
88	September Arctic sea ice extent indicated by June reflected solar radiation. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2194-2202.	3.3	13
89	A land cover change detection and classification protocol for updating Alaska NLCD 2001 to 2011. Remote Sensing of Environment, 2017, 195, 44-55.	11.0	67
90	Occurrence and Turnover of Biogenic Sulfur in the Bering Sea During Summer. Journal of Geophysical Research: Oceans, 2017, 122, 8567-8592.	2.6	5

#	Article	IF	Citations
91	September sea-ice extent predicted by June reflected solar radiation. AIP Conference Proceedings, 2017, , .	0.4	0
92	The Arctic in the Twenty-First Century: Changing Biogeochemical Linkages across a Paraglacial Landscape of Greenland. BioScience, 2017, 67, 118-133.	4.9	60
94	Non-parametric analysis of the spatio-temporal variability in the fatty-acid profiles among Greenland sharks. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 627-633.	0.8	1
95	Does Global Warming Drive Changes in Arctic Sea Ice?. SSRN Electronic Journal, 0, , .	0.4	0
96	Unraveling Phytoplankton Community Dynamics in the Northern Chukchi Sea Under Seaâ€Iceâ€Covered and Seaâ€Iceâ€Free Conditions. Geophysical Research Letters, 2018, 45, 7663-7671.	4.0	24
97	The Population Settlement in Russiaâ€™s Arctic Zone: Facts and Trends. IOP Conference Series: Earth and Environmental Science, 2019, 302, 012081.	0.3	3
98	An integrated index of recent pan-Arctic climate change. Environmental Research Letters, 2019, 14, 035006.	5.2	16
99	Comparative Health Assessments of Alaskan Ice Seals. Frontiers in Veterinary Science, 2019, 6, 4.	2.2	10
100	Towards a unifying pan-arctic perspective: A conceptual modelling toolkit. Progress in Oceanography, 2020, 189, 102455.	3.2	30
101	Features of Creating Environmental Institutional Conditions for the Functioning of Arctic States. IOP Conference Series: Earth and Environmental Science, 2020, 539, 012043.	0.3	0
102	Evidence suggests potential transformation of the Pacific Arctic ecosystem is underway. Nature Climate Change, 2020, 10, 342-348.	18.8	180
103	Seasonal Influence of the Atmosphere and Ocean on the Fall Sea Ice Extent in the Barentsâ€Kara Seas. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035144.	3.3	2
104	The Winter Heat Budget of Sea Ice in Kotzebue Sound: Residual Ocean Heat and the Seasonal Roles of River Outflow. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016784.	2.6	5
105	Arcticâ€“Subarctic Ocean Fluxes: Defining the Role of the Northern Seas in Climate. , 2008, , 1-13.		29
106	Cryo-History: Narratives of Ice and the Emerging Arctic Humanities. , 2015, , 327-339.		13
107	Ways to Help and Ways to Hinder: Governance for Effective Adaptation to an Uncertain Climate. Arctic, 2011, 64, 73.	0.4	24
108	Polar Bear Conservation in Canada: Defining the Policy Problems. Arctic, 2009, 61, .	0.4	11
109	A Framework for Prioritization, Design and Coordination of Arctic Long-term Observing Networks: A Perspective from the U.S. SEARCH Program. Arctic, 2015, 68, 76.	0.4	11

#	Article	IF	Citations
110	Institutional Dimensions of Sustaining Arctic Observing Networks (SAON). Arctic, 2015, 68, 89.	0.4	6
111	Space use patterns of the endangered North Pacific right whale Eubalaena japonica in the Bering Sea. Marine Ecology - Progress Series, 2015, 532, 269-281.	1.9	13
112	Time-series of direct primary production and phytoplankton biomass in the southeastern Bering Sea: responses to cold and warm stanzas. Marine Ecology - Progress Series, 2020, 642, 39-54.	1.9	15
116	A global mean sea surface temperature dataset for the Last Interglacial (129â€“116â€‰ka) and contribution of thermal expansion to sea level change. Earth System Science Data, 2020, 12, 3341-3356.	9.9	26
117	PALEOBOTANY | Paleophytogeography. , 2007, , 1594-1598.		0
118	Arctic Sea Ice Decline. , 0, , .		1
119	The Influence of Population Migration and Settlement on Social and Economic Effectiveness of Russia's Northern Regions. Advances in Finance, Accounting, and Economics, 2020, , 153-176.	0.3	0
122	Human Development, Arctic. , 2023, , 1-3.		0
123	A Spatiotemporal Multiscale Deep Learning Model for Subseasonal Prediction of Arctic Sea Ice. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-22.	6.3	0
124	Human Development, Arctic. , 2023, , 3292-3295.		0