

Accelerated decline in the Arctic sea ice cover

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Primary production in the Arctic Ocean, 1998–2006. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	308
2	The recent Arctic warm period. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2008, 60, 589-597.	0.8	191
3	Foreword to the special issue: Arctic Palaeoclimate and Its Extremes (APEX). <i>Polar Research</i> , 2008, 27, 97-104.	1.6	6
4	Predicting habitat use by ringed seals (<i>Phoca hispida</i>) in a warming Arctic. <i>Ecological Modelling</i> , 2008, 217, 19-32.	1.2	23
5	Protist entrapment in newly formed sea ice in the Coastal Arctic Ocean. <i>Journal of Marine Systems</i> , 2008, 74, 887-901.	0.9	83
6	Arctic sea ice variability and trends, 1979–2006. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	257
7	Model experiments on snow and ice thermodynamics in the Arctic Ocean with CHINARE 2003 data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	74
8	Distribution and biomass transport of ice amphipods in drifting sea ice around Svalbard. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2292-2307.	0.6	44
9	Carbon flux and ecosystem feedback in the northern Barents Sea in an era of climate change: An introduction. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2143-2153.	0.6	56
10	Did unusually sunny skies help drive the record sea ice minimum of 2007?. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	83
11	What drove the dramatic retreat of arctic sea ice during summer 2007?. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	164
12	A millennial-scale record of Arctic Ocean sea ice variability and the demise of the Ellesmere Island ice shelves. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	75
13	Meteorological conditions in the Arctic Ocean in spring and summer 2007 as recorded on the drifting ice station Tara. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	70
14	Evolution of the 2007–2008 Arctic sea ice cover and prospects for a new record in 2008. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	24
15	Circumpolar thinning of Arctic sea ice following the 2007 record ice extent minimum. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	210
16	Changing sea ice melt parameters in the Canadian Arctic Archipelago: Implications for the future presence of multiyear ice. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	38
17	Introduction to special section on Biocomplexity of Arctic Tundra Ecosystems. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	10
18	Dating late Quaternary planktonic foraminifer <i>Neogloboquadrina pachyderma</i> from the Arctic Ocean using amino acid racemization. <i>Paleoceanography</i> , 2008, 23, .	3.0	51

#	ARTICLE	IF	CITATIONS
19	Sunlight, water, and ice: Extreme Arctic sea ice melt during the summer of 2007. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	366
20	Recent radical shifts of atmospheric circulations and rapid changes in Arctic climate system. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	250
21	Palynological evidence of Holocene climate change in the eastern Arctic: a possible shift in the Arctic oscillation at the millennial time scale This article is one of a series of papers published in this Special Issue on the theme <i>Polar Climate Stability Network</i>.. <i>Canadian Journal of Earth Sciences</i> , 2008, 45, 1363-1375.	0.6	38
22	Decreasing Arctic Sea Ice Mirrors Increasing CO ₂ on Decadal Time Scale. <i>Atmospheric and Oceanic Science Letters</i> , 2008, 1, 51-56.	0.5	44
23	Holocene fluctuations in Arctic sea-ice cover: dinocyst-based reconstructions for the eastern Chukchi Sea This article is one of a series of papers published in this Special Issue on the theme <i>Polar Climate Stability Network</i>. GEOTOP Publication 2008-0023.. <i>Canadian Journal of Earth Sciences</i> , 2008, 45, 1377-1397.	0.6	51
24	Multi year sea ice concentration mapping using passive and active microwave satellite data. , 2008, , .		2
25	Climate Variations from the Viewpoint of the Arctic. <i>Journal of Geography (Chigaku Zasshi)</i> , 2008, 117, 1051-1062.	0.1	4
26	The Arctic Ocean marine carbon cycle: evaluation of air-sea CO ₂ exchanges, ocean acidification impacts and potential feedbacks. <i>Biogeosciences</i> , 2009, 6, 2433-2459.	1.3	294
27	Outflow of Arctic Ocean Sea Ice into the Greenland and Barents Seas: 1979â€“2007. <i>Journal of Climate</i> , 2009, 22, 2438-2457.	1.2	174
28	Dangerous climate change and the importance of adaptation for the Arcticâ€™s Inuit population. <i>Environmental Research Letters</i> , 2009, 4, 024006.	2.2	65
29	Spatial and temporal patterns of greenness on the Yamal Peninsula, Russia: interactions of ecological and social factors affecting the Arctic normalized difference vegetation index. <i>Environmental Research Letters</i> , 2009, 4, 045004.	2.2	79
30	Diagnosis of the record discharge of Arctic-draining Eurasian rivers in 2007. <i>Environmental Research Letters</i> , 2009, 4, 045011.	2.2	35
31	Modeling Sea-Level Rise and Surge in Low-Lying Urban Areas Using Spatial Data, Geographic Information Systems, and Animation Methods. , 2009, , 11-30.		2
32	Taking Stock of Arctic Sea Ice and Climate. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1351-1354.	1.7	2
33	Does sea ice influence Greenland ice sheet surface-melt?. <i>Environmental Research Letters</i> , 2009, 4, 024011.	2.2	32
34	Biomass of zooplankton in the eastern Arctic Ocean â€“ A base line study. <i>Progress in Oceanography</i> , 2009, 82, 265-280.	1.5	98
35	Interannual variations in the opening date of the Prudhoe Bay shipping season: links to atmospheric and surface conditions. <i>International Journal of Climatology</i> , 2009, 29, 197-203.	1.5	4
36	An updated assessment of the risks from climate change based on research published since the IPCC Fourth Assessment Report. <i>Climatic Change</i> , 2009, 97, 469-482.	1.7	122

#	ARTICLE	IF	CITATIONS
37	Foreword to the special issue: climate change impacts, adaptation and vulnerability in the Arctic. <i>Polar Research</i> , 2009, 28, 1-9.	1.6	55
38	Spatial variability in organic material sinking export in the Hudson Bay system, Canada, during fall. <i>Continental Shelf Research</i> , 2009, 29, 1276-1288.	0.9	23
39	Particle sedimentation patterns in the eastern Fram Strait during 2000â€“2005: Results from the Arctic long-term observatory HAUSGARTEN. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1471-1487.	0.6	111
40	Late Quaternary stratigraphy and sedimentation patterns in the western Arctic Ocean. <i>Global and Planetary Change</i> , 2009, 68, 5-17.	1.6	139
41	Sediment record from the western Arctic Ocean with an improved Late Quaternary age resolution: HOTRAX core HLY0503-8JPC, Mendeleev Ridge. <i>Global and Planetary Change</i> , 2009, 68, 18-29.	1.6	102
42	Simulating the mass balance and salinity of Arctic and Antarctic sea ice. 1. Model description and validation. <i>Ocean Modelling</i> , 2009, 27, 33-53.	1.0	230
44	Arctic air temperature change amplification and the Atlantic Multidecadal Oscillation. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	227
45	Aragonite Undersaturation in the Arctic Ocean: Effects of Ocean Acidification and Sea Ice Melt. <i>Science</i> , 2009, 326, 1098-1100.	6.0	290
46	Influence of low Arctic seaâ€“ice minima on anomalously cold Eurasian winters. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	573
47	Loss of Sea Ice in the Arctic. <i>Annual Review of Marine Science</i> , 2009, 1, 417-441.	5.1	197
48	Sea ice variability and primary productivity in the Ross Sea, Antarctica, from methylsulphonate snow record. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	43
49	Contribution of underâ€“ice primary production to an iceâ€“edge upwelling phytoplankton bloom in the Canadian Beaufort Sea. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	209
50	Fram Strait sea ice volume export estimated between 2003 and 2008 from satellite data. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	90
51	Extraordinary September Arctic sea ice reductions and their relationships with storm behavior over 1979â€“2008. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	189
52	Barents Sea multidecadal variability. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	70
53	Freshwater fluxes in the East Greenland Current: A decade of observations. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	157
54	Thinning and volume loss of the Arctic Ocean sea ice cover: 2003â€“2008. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	640
55	Impacts of reduced sea ice on winter Arctic atmospheric circulation, precipitation, and temperature. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	74

#	ARTICLE	IF	CITATIONS
56	Fluvial Impact of Extensive Active Layer Detachments, Cape Bounty, Melville Island, Canada. <i>Arctic, Antarctic, and Alpine Research</i> , 2009, 41, 59-68.	0.4	106
58	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2008. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 13-22.	1.6	27
59	Transpolar observations of the morphological properties of Arctic sea ice. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	95
60	Five years of Arctic sea ice freeboard measurements from the Ice, Cloud and land Elevation Satellite. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	71
61	Age characteristics in a multidecadal Arctic sea ice simulation. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	28
62	The performance of a global and mesoscale model over the central Arctic Ocean during late summer. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	25
63	Daily snow cover estimation from Advanced Very High Resolution Radiometer Polar Pathfinder data over Northern Hemisphere land surfaces during 1982â€“2004. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	31
64	Adjoint analysis of the 2007 all time Arctic seaâ€“ice minimum. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	96
65	Ocean acidification and biologically induced seasonality of carbonate mineral saturation states in the western Arctic Ocean. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	127
66	Positive trend in the mean speed and deformation rate of Arctic sea ice, 1979â€“2007. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	273
67	Surface freshening of the Canada Basin, 2003â€“2007: River runoff versus sea ice meltwater. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	174
68	Increased variability of the Arctic summer ice extent in a warmer climate. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	80
69	Is the Dipole Anomaly a major driver to record lows in Arctic summer sea ice extent?. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	271
70	A sea ice free summer Arctic within 30 years?. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	524
71	Influence of environmental factors on the development of bottom ice protist communities during the winterâ€“spring transition. <i>Marine Ecology - Progress Series</i> , 2009, 386, 43-59.	0.9	127
72	The Arctic Sea Route. <i>International Journal of Shipping and Transport Logistics</i> , 2009, 1, 55.	0.2	27
73	Error Structure and Atmospheric Temperature Trends in Observations from the Microwave Sounding Unit. <i>Journal of Climate</i> , 2009, 22, 1661-1681.	1.2	86
74	Effects of deglaciation on circumpolar distribution of arctic vegetation. <i>Canadian Journal of Remote Sensing</i> , 2009, 35, 118-129.	1.1	13

#	ARTICLE	IF	CITATIONS
75	Arctic Sea Ice Retreat in 2007 Follows Thinning Trend. <i>Journal of Climate</i> , 2009, 22, 165-176.	1.2	176
76	Climate trends at Eureka in the Canadian high arctic. <i>Atmosphere - Ocean</i> , 2010, 48, 59-80.	0.6	35
77	Riverine export and the effects of circulation on dissolved organic carbon in the Hudson Bay system, Canada. <i>Limnology and Oceanography</i> , 2010, 55, 315-323.	1.6	27
78	Mechanisms on Catastrophic Reduction of Arctic Sea Ice Cover. <i>Journal of Geography (Chigaku) Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	0.1	0
79	Arctic sea ice and the potential for abrupt loss. <i>Geophysical Monograph Series</i> , 2010, , 181-191.	0.1	3
80	The effect of misleading surface temperature estimations on the sensible heat fluxes at a high Arctic site – the Arctic Turbulence Experiment 2006 on Svalbard (ARCTEX-2006). <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 157-168.	1.9	25
81	The effect of Arctic sea-ice extent on the absorbed (net) solar flux at the surface, based on ISCCP-D2 cloud data for 1983–2007. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 777-787.	1.9	9
82	The role of arctic zooplankton in biogeochemical cycles: respiration and excretion of ammonia and phosphate during summer. <i>Polar Biology</i> , 2010, 33, 1719-1731.	0.5	70
83	Plankton metabolism in the Greenland Sea during the polar summer of 2007. <i>Polar Biology</i> , 2010, 33, 1651-1660.	0.5	23
84	Seasonal home ranges and fidelity to breeding sites among ringed seals. <i>Polar Biology</i> , 2010, 33, 1095-1109.	0.5	87
85	Primary production and climatic variability in the European sector of the Arctic Ocean prior to 2007: preliminary results. <i>Polar Biology</i> , 2010, 33, 1641-1650.	0.5	90
86	Phytoplankton community structure during the record Arctic ice-melting of summer 2007. <i>Polar Biology</i> , 2010, 33, 1709-1717.	0.5	40
87	Impacts of climate warming on polar marine and freshwater ecosystems. <i>Polar Biology</i> , 2010, 33, 1595-1598.	0.5	14
88	Impact of prescribed Arctic sea ice thickness in simulations of the present and future climate. <i>Climate Dynamics</i> , 2010, 35, 619-633.	1.7	18
89	Unprecedented low twentieth century winter sea ice extent in the Western Nordic Seas since A.D. 1200. <i>Climate Dynamics</i> , 2010, 34, 781-795.	1.7	67
90	Sensitivity of sea ice and ocean simulations to sea ice salinity in a coupled global climate model. <i>Science China Earth Sciences</i> , 2010, 53, 911-918.	2.3	20
91	Perspectives of Northern Sea Route and Northwest Passage in the twenty-first century. <i>Climatic Change</i> , 2010, 100, 757-768.	1.7	142
92	C-Band Polarimetric Backscattering Signatures of Newly Formed Sea Ice During Fall Freeze-Up. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010, 48, 3256-3267.	2.7	49

#	ARTICLE	IF	CITATIONS
93	Sedimentation and particle dynamics in the seasonal ice zone of the Barents Sea. <i>Journal of Marine Systems</i> , 2010, 79, 185-198.	0.9	32
94	Origin and fate of particulate organic matter in the southern Beaufort Sea " Amundsen Gulf region, Canadian Arctic. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 86, 31-41.	0.9	67
95	Sea ice surface features in Arctic summer 2008: Aerial observations. <i>Remote Sensing of Environment</i> , 2010, 114, 693-699.	4.6	49
96	Validation of the Climate-SAF surface broadband albedo product: Comparisons with in situ observations over Greenland and the ice-covered Arctic Ocean. <i>Remote Sensing of Environment</i> , 2010, 114, 2779-2790.	4.6	27
97	Impact of 2007 and 2008 Arctic ice anomalies on the atmospheric circulation: Implications for long-range predictions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 1655-1664.	1.0	77
98	Sensitivity of arctic summer sea ice coverage to global warming forcing: towards reducing uncertainty in arctic climate change projections. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2010, 62, 220-227.	0.8	36
99	Climatology of the Nordic (Irminger, Greenland, Barents, Kara and White/Pechora) Seas ice cover based on 85 GHz satellite microwave radiometry: 1992-2008. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2010, 62, 411-434.	0.8	34
100	Spatial variation of the Arctic Oscillation and its long-term change. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 62, 661.	0.8	8
101	Timing of blooms, algal food quality and <i>Calanus glacialis</i> reproduction and growth in a changing Arctic. <i>Global Change Biology</i> , 2010, 16, 3154-3163.	4.2	292
102	The central role of diminishing sea ice in recent Arctic temperature amplification. <i>Nature</i> , 2010, 464, 1334-1337.	13.7	1,733
103	The prospects for polar bears. <i>Nature</i> , 2010, 468, 905-906.	13.7	16
104	Clay mineral cycles identified by diffuse spectral reflectance in Quaternary sediments from the Northwind Ridge: implications for glacial"interglacial sedimentation patterns in the Arctic Ocean. <i>Polar Research</i> , 2010, 29, 176-197.	1.6	22
105	Melt pond formation and temporal evolution at the drifting station Tara during summer 2007. <i>Polar Research</i> , 2010, 29, 311-321.	1.6	30
106	Spatial and temporal variability of ice algal production in a 3D ice-ocean model of the Hudson Bay, Hudson Strait and Foxe Basin system. <i>Polar Research</i> , 2010, 29, 353-378.	1.6	18
107	Effects of Climate Change, Altered Sea-Ice Distribution and Seasonal Phenology on Marine Birds. , 2010, , 179-195.		28
108	The International polar year (IPY) circumpolar flaw lead (CFL) system study: Overview and the physical system. <i>Atmosphere - Ocean</i> , 2010, 48, 225-243.	0.6	103
109	Structures and property distributions in the three oceans surrounding Canada in 2007: A basis for a long-term ocean climate monitoring strategy. <i>Atmosphere - Ocean</i> , 2010, 48, 211-224.	0.6	28
110	Circumpolar Arctic Tundra Vegetation Change Is Linked to Sea Ice Decline. <i>Earth Interactions</i> , 2010, 14, 1-20.	0.7	332

#	ARTICLE	IF	CITATIONS
111	Satellite microwave remote sensing of North Eurasian inundation dynamics: development of coarse-resolution products and comparison with high-resolution synthetic aperture radar data. Environmental Research Letters, 2010, 5, 015003.	2.2	53
112	Surface Albedo of the inner Arctic: Validation of the Climate-SAF satellite Albedo Product with in-situ observations. , 2010, , .		1
113	The Seasonal Atmospheric Response to Projected Arctic Sea Ice Loss in the Late Twenty-First Century. Journal of Climate, 2010, 23, 333-351.	1.2	447
114	Interannual Variations of Arctic Cloud Types in Relation to Sea Ice. Journal of Climate, 2010, 23, 4216-4232.	1.2	141
115	Arctic Ocean Warming Contributes to Reduced Polar Ice Cap. Journal of Physical Oceanography, 2010, 40, 2743-2756.	0.7	284
116	Composite Structure of Tropopause Polar Cyclones. Monthly Weather Review, 2010, 138, 3840-3857.	0.5	54
117	Errors in Cloud Detection over the Arctic Using a Satellite Imager and Implications for Observing Feedback Mechanisms. Journal of Climate, 2010, 23, 1894-1907.	1.2	91
118	Satellite remote sensing of sea-ice thickness and kinematics: a review. Journal of Glaciology, 2010, 56, 1129-1140.	1.1	82
119	An Arctic Sea Ice Simulation Using an Ocean-Ice Coupled Model. Atmospheric and Oceanic Science Letters, 2010, 3, 219-223.	0.5	2
120	Influence of winter and summer surface wind anomalies on summer Arctic sea ice extent. Geophysical Research Letters, 2010, 37, .	1.5	91
121	Atmospheric forcing of sea ice in Hudson Bay during the fall period, 1980â€“2005. Journal of Geophysical Research, 2010, 115, .	3.3	66
122	Low export flux of particulate organic carbon in the central Arctic Ocean as revealed by ²³⁴ Th: ²³⁸ U disequilibrium. Journal of Geophysical Research, 2010, 115, .	3.3	63
123	Thickness and surface-properties of different sea-ice regimes within the Arctic Trans Polar Drift: Data from summers 2001, 2004 and 2007. Journal of Geophysical Research, 2010, 115, .	3.3	31
124	Impact of the Arctic Ocean Atlantic water layer on Siberian shelf hydrography. Journal of Geophysical Research, 2010, 115, .	3.3	51
125	Seasonality of spectral albedo and transmittance as observed in the Arctic Transpolar Drift in 2007. Journal of Geophysical Research, 2010, 115, .	3.3	92
126	A 10 year climatology of Arctic cloud fraction and radiative forcing at Barrow, Alaska. Journal of Geophysical Research, 2010, 115, .	3.3	142
127	Observed forcingâ€“feedback processes between Northern Hemisphere atmospheric circulation and Arctic sea ice coverage. Journal of Geophysical Research, 2010, 115, .	3.3	101
128	Airâ€“sea flux of CO ₂ in the Arctic Ocean, 1998â€“2003. Journal of Geophysical Research, 2010, 115, .	3.3	51

#	ARTICLE	IF	CITATIONS
129	Holocene sea ice history and climate variability along the main axis of the Northwest Passage, Canadian Arctic. <i>Paleoceanography</i> , 2010, 25, .	3.0	37
130	Recent loss of floating ice and the consequent sea level contribution. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	82
131	Increasing fall-winter energy loss from the Arctic Ocean and its role in Arctic temperature amplification. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	279
132	Interannual variability of Arctic sea ice export into the East Greenland Current. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	20
133	On the emergence of an Arctic amplification signal in terrestrial Arctic snow extent. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44
134	Climate Warming-Induced Intensification of the Hydrologic Cycle. <i>Advances in Agronomy</i> , 2010, 109, 1-53.	2.4	59
135	Increased irradiance reduces food quality of sea ice algae. <i>Marine Ecology - Progress Series</i> , 2010, 411, 49-60.	0.9	98
136	Climate change policy responses for Canada's Inuit population: The importance of and opportunities for adaptation. <i>Global Environmental Change</i> , 2010, 20, 177-191.	3.6	164
137	Predicting survival, reproduction and abundance of polar bears under climate change. <i>Biological Conservation</i> , 2010, 143, 1612-1622.	1.9	180
138	Thickness sensitivities in the CICE sea ice model. <i>Ocean Modelling</i> , 2010, 34, 137-149.	1.0	69
139	History of sea ice in the Arctic. <i>Quaternary Science Reviews</i> , 2010, 29, 1757-1778.	1.4	343
140	Quaternary Sea-ice history in the Arctic Ocean based on a new Ostracode sea-ice proxy. <i>Quaternary Science Reviews</i> , 2010, 29, 3415-3429.	1.4	78
141	Spatial and temporal Arctic Ocean depositional regimes: a key to the evolution of ice drift and current patterns. <i>Quaternary Science Reviews</i> , 2010, 29, 3644-3664.	1.4	37
142	Quaternary Arctic Ocean sea ice variations and radiocarbon reservoir age corrections. <i>Quaternary Science Reviews</i> , 2010, 29, 3430-3441.	1.4	79
143	Holocene paleoceanography of the northwest passage, Canadian Arctic Archipelago. <i>Quaternary Science Reviews</i> , 2010, 29, 3468-3488.	1.4	42
144	History of ice-rafting and water mass evolution at the northern Siberian continental margin (Laptev Tj ETQq1 1 0.784314 rgBT /Overl	1.4	34
145	Geographic muting of changes in the Arctic sea ice cover. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	49
146	Contribution of melt in the Beaufort Sea to the decline in Arctic multiyear sea ice coverage: 1993-2009. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	95

#	ARTICLE	IF	CITATIONS
147	Deepening of the nutricline and chlorophyll maximum in the Canada Basin interior, 2003â€“2009. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	193
148	How Do Polar Marine Ecosystems Respond to Rapid Climate Change?. <i>Science</i> , 2010, 328, 1520-1523.	6.0	310
149	Changes in distribution of brine waters on the Laptev Sea shelf in 2007. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
150	Extreme low sea ice years in the Canadian Arctic Archipelago: 1998 versus 2007. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
151	Identification, characterization, and change of the nearâ€“surface temperature maximum in the Canada Basin, 1993â€“2008. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	161
152	CO ₂ fluxes across the airâ€“sea interface in the southeastern Beaufort Sea: Iceâ€“free period. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	50
153	Mechanisms of summertime upper Arctic Ocean warming and the effect on sea ice melt. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	118
154	Modeling the impact of declining sea ice on the Arctic marine planktonic ecosystem. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	111
155	Decrease in the CO ₂ Uptake Capacity in an Ice-Free Arctic Ocean Basin. <i>Science</i> , 2010, 329, 556-559.	6.0	218
156	Watershed-scale reconstruction of middle and late Holocene paleoenvironmental changes on Melville Peninsula, Nunavut, Canada. <i>Quaternary Science Reviews</i> , 2010, 29, 2302-2314.	1.4	14
157	Changing Sea Ice Conditions in Hudson Bay, 1980â€“2005. , 2010, , 39-52.		27
158	Polar Oceans from Space. <i>Atmospheric and Oceanographic Sciences Library</i> , 2010, , .	0.1	54
159	The Future of Hudson Bay: New Directions and Research Needs. , 2010, , 291-304.		7
160	Free Database Availability, Metadata and the Internet: An Example of Two High Latitude Components of the Census of Marine Life. , 2010, , 233-243.		13
161	Role of Polar Amplification in Long-Term Surface Air Temperature Variations and Modern Arctic Warming. <i>Journal of Climate</i> , 2010, 23, 3888-3906.	1.2	439
162	Kelp Bed Dynamics in Estuarine Environments in Subarctic Alaska. <i>Journal of Coastal Research</i> , 2011, 275, 133-143.	0.1	28
163	Enhanced Modern Heat Transfer to the Arctic by Warm Atlantic Water. <i>Science</i> , 2011, 331, 450-453.	6.0	378
164	Influence of oceanic heat variability on sea ice anomalies in the Nordic Seas. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	66

#	ARTICLE	IF	CITATIONS
165	The Greenland Sea Jet: A mechanism for wind-driven sea ice export through Fram Strait. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	18
166	Western Arctic Ocean temperature variability during the last 8000 years. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	38
167	Ocean wave conditions in the Chukchi Sea from satellite and <i>in situ</i> observations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	48
168	Arctic sea ice thickness characteristics in winter 2004 and 2007 from submarine sonar transects. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	33
169	Multiregime states of Arctic atmospheric circulation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	1
170	Estimating the global radiative impact of the sea ice albedo feedback in the Arctic. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	54
171	Dramatic interannual changes of perennial Arctic sea ice linked to abnormal summer storm activity. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	121
172	Recent recovery of the Siberian High intensity. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	100
173	Recent changes in shelf hydrography in the Siberian Arctic: Potential for subsea permafrost instability. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	85
174	Clouds at Arctic Atmospheric Observatories. Part II: Thermodynamic Phase Characteristics. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 645-661.	0.6	194
175	Assessment of radiation forcing data sets for large-scale sea ice models in the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1237-1249.	0.6	31
176	Sea ice response to an extreme negative phase of the Arctic Oscillation during winter 2009/2010. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	149
177	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 182-198.	1.6	403
178	Evolution of the Arctic Ocean Salinity, 2007-08: Contrast between the Canadian and the Eurasian Basins. <i>Journal of Climate</i> , 2011, 24, 1705-1717.	1.2	16
179	The spatial distribution of solar radiation under a melting Arctic sea ice cover. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	116
180	Distribution and trends in Arctic sea ice age through spring 2011. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	528
181	Trends in Arctic sea ice drift and role of wind forcing: 1992-2009. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	248
182	Winter studies on zooplankton in Arctic seas: the Storfjord (Svalbard) and adjacent ice-covered Barents Sea. <i>Marine Biology</i> , 2011, 158, 2359-2376.	0.7	44

#	ARTICLE	IF	CITATIONS
183	Observations of recent Arctic sea ice volume loss and its impact on ocean-atmosphere energy exchange and ice production. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	63
184	Distribution and microbial metabolism of dimethylsulfoniopropionate and dimethylsulfide during the 2007 Arctic ice minimum. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	30
185	Arctic sea-ice melt in 2008 and the role of solar heating. <i>Annals of Glaciology</i> , 2011, 52, 355-359.	2.8	71
186	Mixing, heat fluxes and heat content evolution of the Arctic Ocean mixed layer. <i>Ocean Science</i> , 2011, 7, 335-349.	1.3	38
187	Air-sea CO ₂ fluxes on the Bering Sea shelf. <i>Biogeosciences</i> , 2011, 8, 1237-1253.	1.3	24
188	Future Arctic Ocean Seasonal Ice Zones and Implications for Pelagic-Benthic Coupling. <i>Oceanography</i> , 2011, 24, 220-231.	0.5	269
189	Remote sensing of size structure of phytoplankton communities using optical properties of the Chukchi and Bering Sea shelf region. <i>Biogeosciences</i> , 2011, 8, 3567-3580.	1.3	46
190	Trends of solar ultraviolet irradiance at Barrow, Alaska, and the effect of measurement uncertainties on trend detection. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13029-13045.	1.9	27
191	IPCC climate models do not capture Arctic sea ice drift acceleration: Consequences in terms of projected sea ice thinning and decline. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	121
192	Acceleration of sea-ice melting due to transmission of solar radiation through ponded ice area in the Arctic Ocean: results of in situ observations from icebreakers in 2006 and 2007. <i>Annals of Glaciology</i> , 2011, 52, 249-260.	2.8	24
193	Late Cenozoic Paleoceanography of the Central Arctic Ocean. <i>IOP Conference Series: Earth and Environmental Science</i> , 2011, 14, 012002.	0.2	10
194	Seasonal ice mass-balance buoys: adapting tools to the changing Arctic. <i>Annals of Glaciology</i> , 2011, 52, 18-26.	2.8	42
195	Solar partitioning in a changing Arctic sea-ice cover. <i>Annals of Glaciology</i> , 2011, 52, 192-196.	2.8	116
196	Laser altimetry sampling strategies over sea ice. <i>Annals of Glaciology</i> , 2011, 52, 69-76.	2.8	24
197	Environmental forcing of phytoplankton community structure and function in the Canadian High Arctic: contrasting oligotrophic and eutrophic regions. <i>Marine Ecology - Progress Series</i> , 2011, 442, 37-57.	0.9	156
198	Impact of biogeochemical processes and environmental factors on the calcium carbonate saturation state in the Circumpolar Flaw Lead in the Amundsen Gulf, Arctic Ocean. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	49
199	Footprints of climate change in the Arctic marine ecosystem. <i>Global Change Biology</i> , 2011, 17, 1235-1249.	4.2	612
200	Arctic future scenario experiments with a coupled regional climate model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2011, 63, 69-86.	0.8	29

#	ARTICLE	IF	CITATIONS
201	Atmospheric forcing of sea ice in Hudson Bay during the spring period, 1980–2005. <i>Journal of Marine Systems</i> , 2011, 88, 476-487.	0.9	42
203	Intra-regional comparison of productivity, carbon flux and ecosystem composition within the northern Barents Sea. <i>Progress in Oceanography</i> , 2011, 90, 33-46.	1.5	74
204	Towards recognition of physical and geochemical change in Subarctic and Arctic Seas. <i>Progress in Oceanography</i> , 2011, 90, 90-104.	1.5	74
205	Evaluating primary and secondary production in an Arctic Ocean void of summer sea ice: An experimental simulation approach. <i>Progress in Oceanography</i> , 2011, 90, 117-131.	1.5	195
206	Closing the loop – Approaches to monitoring the state of the Arctic Mediterranean during the International Polar Year 2007–2008. <i>Progress in Oceanography</i> , 2011, 90, 62-89.	1.5	47
207	Origin of freshwater and polynya water in the Arctic Ocean halocline in summer 2007. <i>Progress in Oceanography</i> , 2011, 91, 482-495.	1.5	87
208	Arctic Polar Low Detection and Monitoring Using Atmospheric Water Vapor Retrievals from Satellite Passive Microwave Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 3302-3310.	2.7	16
209	Enhancement/reduction of biological pump depends on ocean circulation in the sea-ice reduction regions of the Arctic Ocean. <i>Journal of Oceanography</i> , 2011, 67, 305-314.	0.7	73
210	Simulating present climate of the global ocean–ice system using the Meteorological Research Institute Community Ocean Model (MRI.COM): simulation characteristics and variability in the Pacific sector. <i>Journal of Oceanography</i> , 2011, 67, 449-479.	0.7	48
211	Does freshening of surface water enhance heterotrophic prokaryote production in the western Arctic? Empirical evidence from the Canada Basin during September 2009. <i>Journal of Oceanography</i> , 2011, 67, 589-599.	0.7	6
212	Changes in the activity and tracks of Arctic cyclones. <i>Climatic Change</i> , 2011, 105, 577-595.	1.7	113
213	Canary in a coal mine: perceptions of climate change risks and response options among Canadian mine operations. <i>Climatic Change</i> , 2011, 109, 399-415.	1.7	32
214	Climate change and mining in Canada. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2011, 16, 347-368.	1.0	85
215	The 1958–2009 Greenland ice sheet surface melt and the mid-tropospheric atmospheric circulation. <i>Climate Dynamics</i> , 2011, 36, 139-159.	1.7	67
216	Present and future climates of the Greenland ice sheet according to the IPCC AR4 models. <i>Climate Dynamics</i> , 2011, 36, 1897-1918.	1.7	29
217	Warm winds from the Pacific caused extensive Arctic sea-ice melt in summer 2007. <i>Climate Dynamics</i> , 2011, 36, 2103-2112.	1.7	121
218	Direct near-surface measurements of sensible heat fluxes in the Arctic tundra applying eddy covariance and laser scintillometry – the Arctic Turbulence Experiment 2006 on Svalbard (ARCTEX-2006). <i>Theoretical and Applied Climatology</i> , 2011, 105, 387-402.	1.3	11
219	Advancing adaptation planning for climate change in the Inuvialuit Settlement Region (ISR): a review and critique. <i>Regional Environmental Change</i> , 2011, 11, 1-17.	1.4	67

#	ARTICLE	IF	CITATIONS
220	Climate vulnerability of ecosystems and landscapes on Alaska's North Slope. <i>Regional Environmental Change</i> , 2011, 11, 249-264.	1.4	34
221	Benthic food web structure in the southeastern Chukchi Sea: an assessment using $\delta^{13}C$ and $\delta^{15}N$ analyses. <i>Polar Biology</i> , 2011, 34, 521-532.	0.5	39
222	Temporal and vertical variations of lipid biomarkers during a bottom ice diatom bloom in the Canadian Beaufort Sea: further evidence for the use of the IP25 biomarker as a proxy for spring Arctic sea ice. <i>Polar Biology</i> , 2011, 34, 1857-1868.	0.5	97
223	Abundant dissolved genetic material in Arctic sea ice Part II: Viral dynamics during autumn freeze-up. <i>Polar Biology</i> , 2011, 34, 1831-1841.	0.5	48
224	Evidence for microbial attenuation of particle flux in the Amundsen Gulf and Beaufort Sea: elevated hydrolytic enzyme activity on sinking aggregates. <i>Polar Biology</i> , 2011, 34, 2007-2023.	0.5	42
225	Summertime primary production and carbon export in the southeastern Beaufort Sea during the low ice year of 2008. <i>Polar Biology</i> , 2011, 34, 1989-2005.	0.5	48
226	Introduction to the special issue on the biology of the circumpolar flaw lead (CFL) in the Amundsen Gulf of the Beaufort Sea (Arctic Ocean). <i>Polar Biology</i> , 2011, 34, 1797-1801.	0.5	3
227	The pan-Arctic biodiversity of marine pelagic and sea-ice unicellular eukaryotes: a first-attempt assessment. <i>Marine Biodiversity</i> , 2011, 41, 13-28.	0.3	229
228	Late pleistocene and early holocene climate of Ny-Alesund, Svalbard (Norway): A study based on biological proxies. <i>Journal of the Geological Society of India</i> , 2011, 78, 109-116.	0.5	7
229	Analyzing abrupt and nonlinear climate changes and their impacts. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2011, 2, 663-686.	3.6	36
230	Sweeping scientific data under a polar bear skin rug: The IUCN and the proposed listing of polar bears under CITES Appendix I. <i>Marine Policy</i> , 2011, 35, 729-731.	1.5	8
231	Spatial and temporal variations of summer surface temperatures of high-arctic tundra on Svalbard – Implications for MODIS LST based permafrost monitoring. <i>Remote Sensing of Environment</i> , 2011, 115, 908-922.	4.6	97
232	RABIES IN THE ARCTIC FOX POPULATION, SVALBARD, NORWAY. <i>Journal of Wildlife Diseases</i> , 2011, 47, 945-957.	0.3	19
233	Impacts of a recent storm surge on an Arctic delta ecosystem examined in the context of the last millennium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8960-8965.	3.3	49
234	Variability and changes of Arctic sea ice draft distribution – submarine sonar measurements revisited. <i>Cryosphere</i> , 2011, 5, 917-929.	1.5	5
235	Indirect and Semi-direct Aerosol Campaign. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 183-201.	1.7	228
236	Impact of the Atlantic Meridional Overturning Circulation (AMOC) on Arctic Surface Air Temperature and Sea Ice Variability. <i>Journal of Climate</i> , 2011, 24, 6573-6581.	1.2	138
237	Origins and Levels of Seasonal Forecast Skill for Sea Ice in Hudson Bay Using Canonical Correlation Analysis. <i>Journal of Climate</i> , 2011, 24, 1378-1395.	1.2	22

#	ARTICLE	IF	CITATIONS
238	Synoptically Driven Arctic Winter States. <i>Journal of Climate</i> , 2011, 24, 1747-1762.	1.2	132
239	Polar Coasts. , 2011, , 245-283.		11
240	Do Climate Models Underestimate the Sensitivity of Northern Hemisphere Sea Ice Cover?. <i>Journal of Climate</i> , 2011, 24, 3924-3934.	1.2	97
241	Observed Evidence of an Impact of the Antarctic Sea Ice Dipole on the Antarctic Oscillation. <i>Journal of Climate</i> , 2011, 24, 4508-4518.	1.2	18
242	Eurasian Subarctic Summer Climate in Response to Anomalous Snow Cover. <i>Journal of Climate</i> , 2012, 25, 1305-1317.	1.2	47
243	Discontinuous change in ice cover in Hudson Bay in the 1990s and some consequences for marine birds and their prey. <i>ICES Journal of Marine Science</i> , 2012, 69, 1218-1225.	1.2	48
244	Impact of a Reduced Arctic Sea Ice Cover on Ocean and Atmospheric Properties. <i>Journal of Climate</i> , 2012, 25, 307-319.	1.2	15
245	Surface Energy Balance Framework for Arctic Amplification of Climate Change. <i>Journal of Climate</i> , 2012, 25, 8277-8288.	1.2	47
246	Recent Changes of Arctic Multiyear Sea Ice Coverage and the Likely Causes. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 145-151.	1.7	166
247	Tracing Atlantic Water Signature in the Arctic Sea Ice Cover East of Svalbard. <i>Advances in Meteorology</i> , 2012, 2012, 1-11.	0.6	54
248	Limitations of a coupled regional climate model in the reproduction of the observed Arctic sea-ice retreat. <i>Cryosphere</i> , 2012, 6, 985-998.	1.5	18
249	Evolution of marine sedimentation in the Bering Sea since the Pliocene. , 2012, 8, 1231-1253.		43
250	The haemoglobins of polar fish: evolutionary and physiological significance of multiplicity in Arctic fish. <i>Biodiversity</i> , 2012, 13, 228-233.	0.5	36
251	Investigation of polynya dynamics in the northern Bering Sea using greyscale morphology image-processing techniques. <i>International Journal of Remote Sensing</i> , 2012, 33, 2214-2232.	1.3	5
252	Long-distance swimming by polar bears (<i>Ursus maritimus</i>) of the southern Beaufort Sea during years of extensive open water. <i>Canadian Journal of Zoology</i> , 2012, 90, 663-676.	0.4	84
253	Large Decadal Decline of the Arctic Multiyear Ice Cover. <i>Journal of Climate</i> , 2012, 25, 1176-1193.	1.2	658
254	Impact of declining Arctic sea ice on winter snowfall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4074-4079.	3.3	718
255	Regional lake ice meltout patterns near Barrow, Alaska. <i>Polar Geography</i> , 2012, 35, 1-18.	0.8	17

#	ARTICLE	IF	CITATIONS
256	Investigation of Polynya Area in the Arctic Using Morphology Image-Processing Techniques. , 2012, , .		0
257	Antarctic sea ice variability and trends, 1979â€“2010. Cryosphere, 2012, 6, 871-880.	1.5	413
258	Sea ice inertial oscillations in the Arctic Basin. Cryosphere, 2012, 6, 1187-1201.	1.5	32
259	Associations between the Autumn Arctic Sea Ice and North American Winter Precipitation. Atmospheric and Oceanic Science Letters, 2012, 5, 212-218.	0.5	6
260	Ice bridging as a dispersal mechanism for Arctic terrestrial vertebrates and the possible consequences of reduced sea ice cover. Biodiversity, 2012, 13, 182-190.	0.5	7
261	Exploratory Observations of Winter Oceanographic Conditions in the Saguenay Fjord. Atmosphere - Ocean, 2012, 50, 17-30.	0.6	10
262	Modelling atmospheric structure, cloud and their response to CCN in the central Arctic: ASCOS case studies. Atmospheric Chemistry and Physics, 2012, 12, 3419-3435.	1.9	52
263	Wintertime Arctic Ocean sea water properties and primary marine aerosol concentrations. Atmospheric Chemistry and Physics, 2012, 12, 10405-10421.	1.9	37
264	Artificial primary marine aerosol production: a laboratory study with varying water temperature, salinity, and succinic acid concentration. Atmospheric Chemistry and Physics, 2012, 12, 10709-10724.	1.9	51
265	An analysis of fast photochemistry over high northern latitudes during spring and summer using in-situ observations from ARCTAS and TOPSE. Atmospheric Chemistry and Physics, 2012, 12, 6799-6825.	1.9	38
266	Phytoplankton distribution in unusually low sea ice cover over the Pacific Arctic. Biogeosciences, 2012, 9, 4835-4850.	1.3	73
267	Local and remote controls on observed Arctic warming. Geophysical Research Letters, 2012, 39, .	1.5	264
268	Oceanographic regime shift during 1997 in Disko Bay, Western Greenland. Limnology and Oceanography, 2012, 57, 634-644.	1.6	64
269	Quality assessment of a satellite altimetry data product in the Nordic, Barents, and Kara seas. Journal of Geophysical Research, 2012, 117, .	3.3	49
270	SAR Algorithm for Sea Ice Concentrationâ€”Evaluation for the Baltic Sea. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 938-942.	1.4	18
271	Impact of Siberian coastal polynyas on shelfâ€“derived Arctic Ocean halocline waters. Journal of Geophysical Research, 2012, 117, .	3.3	30
272	Variability of phytoplankton light absorption in Canadian Arctic seas. Journal of Geophysical Research, 2012, 117, .	3.3	23
273	Respiration and bacterial carbon dynamics in the Amundsen Gulf, western Canadian Arctic. Journal of Geophysical Research, 2012, 117, .	3.3	34

#	ARTICLE	IF	CITATIONS
274	First measurements of nitrous oxide in Arctic sea ice. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	34
275	Decadal changes in the relationship between the tropical Pacific and the North Pacific. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	16
276	Observations of Tidally Induced Currents over the Continental Slope of the Laptev Sea, Arctic Ocean. <i>Journal of Physical Oceanography</i> , 2012, 42, 78-94.	0.7	19
277	Composition of the summer photosynthetic pico and nanoplankton communities in the Beaufort Sea assessed by T-RFLP and sequences of the 18S rRNA gene from flow cytometry sorted samples. <i>ISME Journal</i> , 2012, 6, 1480-1498.	4.4	132
278	Multiproxy reconstructions of climate for three sites in the Canadian High Arctic using <i>Cassiope tetragona</i> . <i>Climatic Change</i> , 2012, 114, 593-619.	1.7	16
279	The Arctic Ocean—a Canadian perspective from IPY. <i>Climatic Change</i> , 2012, 115, 89-113.	1.7	12
280	Crucial physical characteristics of sea ice in the Arctic section of 143°E–180°W during August and early September 2008. <i>Acta Oceanologica Sinica</i> , 2012, 31, 65-75.	0.4	11
281	Late Quaternary spatial and temporal variability in Arctic deep-sea bioturbation and its relation to Mn cycles. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 365-366, 192-208.	1.0	42
282	Bayesian Sea Ice Detection With the Advanced Scatterometer ASCAT. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 2649-2657.	2.7	36
283	Arctic coastal freshwater ecosystem responses to a major saltwater intrusion: A landscape-scale palaeolimnological analysis. <i>Holocene</i> , 2012, 22, 1451-1460.	0.9	14
284	Aqua's first 10 years: An overview. , 2012, , .		0
285	Arctic sea ice reduction and European cold winters in CMIP5 climate change experiments. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	60
286	Microbial community structure of Arctic multiyear sea ice and surface seawater by 454 sequencing of the 16S RNA gene. <i>ISME Journal</i> , 2012, 6, 11-20.	4.4	175
287	Multi sensor validation and error characteristics of Arctic satellite sea surface temperature observations. <i>Remote Sensing of Environment</i> , 2012, 121, 335-346.	4.6	42
288	The Future of Arctic Sea Ice. <i>Annual Review of Earth and Planetary Sciences</i> , 2012, 40, 625-654.	4.6	114
289	Frost flowers growing in the Arctic ocean-atmosphere-sea ice-snow interface: 1. Chemical composition. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	53
290	Ethological analysis of the trace fossil <i>Zoophycos</i> : hints from the Arctic Ocean. <i>Lethaia</i> , 2012, 45, 290-298.	0.6	37
291	Effects of environmental conditions on the biomass of <i>Calanus</i> spp. in the Nordic Seas. <i>Journal of Plankton Research</i> , 2012, 34, 951-966.	0.8	52

#	ARTICLE	IF	CITATIONS
292	New predictions of extreme keel depths and scour frequencies for the Beaufort Sea using ice thickness statistics. <i>Cold Regions Science and Technology</i> , 2012, 76-77, 77-82.	1.6	12
293	Variability and impacts of Atlantic Water entering the Barents Sea from the north. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 62, 70-88.	0.6	111
294	Western Arctic Ocean freshwater storage increased by wind-driven spin-up of the Beaufort Gyre. <i>Nature Geoscience</i> , 2012, 5, 194-197.	5.4	255
295	Biodiversity of Arctic marine ecosystems and responses to climate change. <i>Biodiversity</i> , 2012, 13, 200-214.	0.5	37
296	Seismic evidence for shallow gas escape features associated with a retreating gas hydrate zone offshore west Svalbard. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	47
297	Observational study of relationships between incoming radiation, open water fraction, and ocean-to-ice heat flux in the Transpolar Drift: 2002–2010. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
298	September Arctic sea ice predicted to disappear near 2°C global warming above present. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	113
299	Air-sea interactions during an Arctic storm. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
300	Albedo evolution of seasonal Arctic sea ice. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	277
301	Mapping of seasonal freeze-thaw transitions across the pan-Arctic land and sea ice domains with satellite radar. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27
302	The freshwater composition of the Fram Strait outflow derived from a decade of tracer measurements. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	62
303	Satellite observations of Antarctic sea ice thickness and volume. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	154
304	A 20-year independent record of sea surface temperature for climate from Along-Track Scanning Radiometers. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	77
305	Clear-sky thermodynamic and radiative anomalies over a sea ice sensitive region of the Arctic. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
306	Simulated Siberian snow cover response to observed Arctic sea ice loss, 1979–2008. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	35
307	Latitudinal variation of phytoplankton communities in the western Arctic Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 81-84, 3-17.	0.6	27
308	Particulate organic carbon export fluxes and validation of steady state model of ²³⁴ Th export in the Chukchi Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 81-84, 63-71.	0.6	22
309	Bacterioplankton and picophytoplankton abundance, biomass, and distribution in the Western Canada Basin during summer 2008. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 81-84, 36-45.	0.6	26

#	ARTICLE	IF	CITATIONS
310	Distributions and air-sea fluxes of carbon dioxide in the Western Arctic Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 81-84, 46-52.	0.6	22
311	Anomalous sea-ice reduction in the Eurasian Basin of the Arctic Ocean during summer 2010. <i>Polar Science</i> , 2012, 6, 39-53.	0.5	16
312	Horizontal distribution of calanoid copepods in the western Arctic Ocean during the summer of 2008. <i>Polar Science</i> , 2012, 6, 105-119.	0.5	14
313	Benthic and planktic community changes at the North Siberian margin in response to Atlantic water mass variability since last deglacial times. <i>Marine Micropaleontology</i> , 2012, 96-97, 13-28.	0.5	15
314	A Monte Carlo Method for Simulating Scattering From Sea Ice Using FVTD. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 2658-2668.	2.7	14
315	Potential misidentifications of two climate indicator species of the marine arctic ecosystem: <i>Calanus glacialis</i> and <i>C. finmarchicus</i> . <i>Polar Biology</i> , 2012, 35, 1621-1628.	0.5	67
316	Resilience of persistent Arctic mixed-phase clouds. <i>Nature Geoscience</i> , 2012, 5, 11-17.	5.4	498
317	Wind Field Climatology, Changes, and Extremes in the Chukchi-Beaufort Seas and Alaska North Slope during 1979-2009. <i>Journal of Climate</i> , 2012, 25, 8075-8089.	1.2	46
318	Recent mechanical weakening of the Arctic sea ice cover as revealed from larger inertial oscillations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
319	Mitigation of 21st century Antarctic sea ice loss by stratospheric ozone recovery. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	44
320	Sea-Ice in Twentieth-Century Simulations by New MIROC Coupled Models: A Comparison between Models with High Resolution and with Ice Thickness Distribution. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90A, 213-232.	0.7	26
321	Ice structures, patterns, and processes: A view across the icefields. <i>Reviews of Modern Physics</i> , 2012, 84, 885-944.	16.4	277
322	Relationship between Arctic sea ice thickness distribution and climate of China. <i>Journal of Meteorological Research</i> , 2012, 26, 189-204.	1.0	2
323	Synoptic forcing of wave states in the southeast Chukchi Sea, Alaska, at nearshore locations. <i>Natural Hazards</i> , 2012, 62, 1273-1300.	1.6	9
324	Temporal variation in distribution and density of ice-obligated seals in western Hudson Bay, Canada. <i>Polar Biology</i> , 2012, 35, 1105-1117.	0.5	16
325	Northern Alaskan land surface response to reduced Arctic sea ice extent. <i>Climate Dynamics</i> , 2012, 38, 2099-2113.	1.7	8
326	Effects of climate warming on polar bears: a review of the evidence. <i>Global Change Biology</i> , 2012, 18, 2694-2706.	4.2	234
327	Late Holocene paleoceanography and climate variability over the Mackenzie Slope (Beaufort Sea, Tj ETQq1 1 0.784314 rgBT_38/Overlook	0.9	38

#	ARTICLE	IF	CITATIONS
328	Central Arctic paleoceanography for the last 50kyr based on ostracode faunal assemblages. <i>Marine Micropaleontology</i> , 2012, 88-89, 65-76.	0.5	39
329	Changes in the properties and distribution of the intermediate and deep waters in the Fram Strait. <i>Progress in Oceanography</i> , 2012, 96, 57-76.	1.5	34
330	Thermal acclimation capacity for four Arctic marine benthic species. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 424-425, 38-43.	0.7	11
331	Spring Arctic sea ice as an indicator of North American summer rainfall. <i>International Journal of Climatology</i> , 2012, 32, 1354-1361.	1.5	3
332	Is extreme Arctic sea ice anomaly in 2007 a key contributor to severe January 2008 snowstorm in China?. <i>International Journal of Climatology</i> , 2012, 32, 2081-2087.	1.5	22
333	Will boreal winter precipitation over China increase in the future? An AGCM simulation under summer "ice-free Arctic" conditions. <i>Science Bulletin</i> , 2012, 57, 921-926.	1.7	27
334	Arctic Ice Cover, Ice Thickness and Tipping Points. <i>Ambio</i> , 2012, 41, 23-33.	2.8	64
335	Tipping Points in the Arctic: Eyeballing or Statistical Significance?. <i>Ambio</i> , 2012, 41, 34-43.	2.8	41
336	Different habitat use strategies by subadult and adult ringed seals (<i>Phoca hispida</i>) in the Bering and Chukchi seas. <i>Polar Biology</i> , 2012, 35, 241-255.	0.5	57
337	Phytoplankton productivity and its response to higher light levels in the Canada Basin. <i>Polar Biology</i> , 2012, 35, 257-268.	0.5	46
338	Comparing marine mammal acoustic habitats in Atlantic and Pacific sectors of the High Arctic: year-long records from Fram Strait and the Chukchi Plateau. <i>Polar Biology</i> , 2012, 35, 475-480.	0.5	69
339	The Arctic's rapidly shrinking sea ice cover: a research synthesis. <i>Climatic Change</i> , 2012, 110, 1005-1027.	1.7	1,277
340	Potential climatic transitions with profound impact on Europe. <i>Climatic Change</i> , 2012, 110, 845-878.	1.7	67
341	Analysis of Arctic and Antarctic sea ice extent using quantile regression. <i>International Journal of Climatology</i> , 2013, 33, 1079-1086.	1.5	35
342	The physical structures of snow and sea ice in the Arctic section of 150°-180°W during the summer of 2010. <i>Acta Oceanologica Sinica</i> , 2013, 32, 57-67.	0.4	14
343	Interaction of an anticyclonic eddy with sea ice in the western Arctic Ocean: an eddy-resolving model study. <i>Acta Oceanologica Sinica</i> , 2013, 32, 54-62.	0.4	2
344	Protists in Arctic drift and land-fast sea ice. <i>Journal of Phycology</i> , 2013, 49, 229-240.	1.0	65
345	Effects of chemical immobilization on the movement rates of free-ranging polar bears. <i>Journal of Mammalogy</i> , 2013, 94, 386-397.	0.6	28

#	ARTICLE	IF	CITATIONS
346	Rapid ecosystem change and polar bear conservation. <i>Conservation Letters</i> , 2013, 6, 368-375.	2.8	70
347	Interannual Variability of Young Ice in the Arctic Estimated Between 2002 and 2009. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 3354-3370.	2.7	9
348	Impact of nitrogen and climate change interactions on ambient air pollution and human health. <i>Biogeochemistry</i> , 2013, 114, 121-134.	1.7	85
349	Validating ICESat Over Thick Sea Ice in the Northern Canada Basin. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 2188-2200.	2.7	15
350	Do Arctic-nesting birds respond to earlier snowmelt? A multi-species study in north Yukon, Canada. <i>Polar Biology</i> , 2013, 36, 1097-1105.	0.5	37
351	The diets of polar cod (<i>Boreogadus saida</i>) from August 2008 in the US Beaufort Sea. <i>Polar Biology</i> , 2013, 36, 907-912.	0.5	30
352	Habitat use by harbour seals (<i>Phoca vitulina</i>) in a seasonally ice-covered region, the western Hudson Bay. <i>Polar Biology</i> , 2013, 36, 477-491.	0.5	22
353	Arctic climate change in 21st century CMIP5 simulations with EC-Earth. <i>Climate Dynamics</i> , 2013, 40, 2719-2743.	1.7	146
354	Every species is good in its season: Do the shifts in the annual temperature dynamics affect the phenology of the zooplankton species in the White Sea?. <i>Hydrobiologia</i> , 2013, 706, 11-33.	1.0	26
355	Links between ocean properties, ice cover, and plankton dynamics on interannual time scales in the Canadian Arctic Archipelago. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5625-5639.	1.0	17
356	Observed changes in the albedo of the Arctic sea-ice zone for the period 1982–2009. <i>Nature Climate Change</i> , 2013, 3, 895-898.	8.1	68
357	Using pelagic ciliated microzooplankton communities as an indicator for monitoring environmental condition under impact of summer sea-ice reduction in western Arctic Ocean. <i>Ecological Indicators</i> , 2013, 34, 380-390.	2.6	71
358	The role of declining Arctic sea ice in recent decreasing terrestrial Arctic snow depths. <i>Polar Science</i> , 2013, 7, 174-187.	0.5	38
359	Impacts of climate change on fresh water content and sea surface height in the Beaufort Sea. <i>Ocean Modelling</i> , 2013, 71, 127-139.	1.0	10
360	The Globins of Cold-Adapted <i>Pseudoalteromonas haloplanktis</i> TAC125: From the Structure to the Physiological Functions. <i>Advances in Microbial Physiology</i> , 2013, 63, 329-389.	1.0	13
361	Advancing plant phenology and reduced herbivore production in a terrestrial system associated with sea ice decline. <i>Nature Communications</i> , 2013, 4, 2514.	5.8	60
362	Severe winter weather as a response to the lowest Arctic sea-ice anomalies. <i>Acta Oceanologica Sinica</i> , 2013, 32, 11-15.	0.4	2
363	Projected 21st-century changes to Arctic marine access. <i>Climatic Change</i> , 2013, 118, 885-899.	1.7	129

#	ARTICLE	IF	CITATIONS
364	Diminishing Sea-Ice Extent and Thickness in the Arctic Ocean. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 15-30.	0.1	5
365	Appearance of the Pacific diatom <i>Neodenticula seminae</i> in the northern Nordic Seas – An indication of changes in Arctic sea ice and ocean circulation. <i>Marine Micropaleontology</i> , 2013, 99, 2-7.	0.5	19
366	Insights into Circum-Arctic sea ice variability from molecular geochemistry. <i>Quaternary Science Reviews</i> , 2013, 79, 63-73.	1.4	37
367	Reprint of: Benthic and planktic community changes at the North Siberian margin in response to Atlantic water mass variability since last deglacial times. <i>Marine Micropaleontology</i> , 2013, 99, 29-44.	0.5	7
368	A Lagrangian view of Pacific water inflow pathways in the Arctic Ocean during model spin-up. <i>Ocean Modelling</i> , 2013, 71, 66-80.	1.0	32
369	The influence of wind and ice on spring walrus hunting success on St. Lawrence Island, Alaska. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 94, 312-322.	0.6	43
370	Evaluation of the sea ice proxy IP25 against observational and diatom proxy data in the SW Labrador Sea. <i>Quaternary Science Reviews</i> , 2013, 79, 53-62.	1.4	41
371	Diatom evidence for the onset of Pliocene cooling from AND-1B, McMurdo Sound, Antarctica. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 369, 136-153.	1.0	22
372	The genesis of sea level variability in the Barents Sea. <i>Continental Shelf Research</i> , 2013, 66, 92-104.	0.9	24
373	Improved characterisation of sea ice using simultaneous aerial photography and sea ice thickness measurements. <i>Cold Regions Science and Technology</i> , 2013, 92, 37-47.	1.6	20
374	Satellite-derived multi-year trend in primary production in the Arctic Ocean. <i>International Journal of Remote Sensing</i> , 2013, 34, 3903-3937.	1.3	48
375	The Atmospheric Response to Three Decades of Observed Arctic Sea Ice Loss. <i>Journal of Climate</i> , 2013, 26, 1230-1248.	1.2	314
376	Future projections of the Greenland ice sheet energy balance driving the surface melt. <i>Cryosphere</i> , 2013, 7, 1-18.	1.5	74
377	Estimation of thin ice thickness from AMSR-E data in the Chukchi Sea. <i>International Journal of Remote Sensing</i> , 2013, 34, 468-489.	1.3	38
378	Summarizing the First Ten Years of NASA's Aqua Mission. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 1179-1188.	2.3	25
379	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5380-5552.	1.2	4,319
380	Case Study: Novel Socio-ecological Systems in the North: Potential Pathways Toward Ecological and Societal Resilience. , 2013, , 334-344.		6
381	Marine calcium carbonate preservation vs. climate change over the last two millennia in the Fram Strait: Implications for planktic foraminiferal paleostudies. <i>Marine Micropaleontology</i> , 2013, 98, 14-27.	0.5	18

#	ARTICLE	IF	CITATIONS
382	The Global Water Cycle. , 2013, , 399-417.		6
383	Polar cod (<i>Boreogadus saida</i>) and capelin (<i>Mallotus villosus</i>) as key species in marine food webs of the Arctic and the Barents Sea. <i>Marine Biology Research</i> , 2013, 9, 878-894.	0.3	249
384	Correlation of river water and local sea-ice melting on the Laptev Sea shelf (Siberian Arctic). <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 550-561.	1.0	48
385	Sea-ice coverage variability on the Northern Sea Routes, 1980–2011. <i>Annals of Glaciology</i> , 2013, 54, 139-148.	2.8	16
386	Shoaling of the nutricline with an increase in near-freezing temperature water in the Makarov Basin. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 635-649.	1.0	37
387	Arctic Cloud Characteristics as Derived from MODIS, CALIPSO, and CloudSat. <i>Journal of Climate</i> , 2013, 26, 3285-3306.	1.2	60
388	Validation and potential applications of Environment Canada Ice Concentration Extractor (ECICE) algorithm to Arctic ice by combining AMSR-E and QuikSCAT observations. <i>Remote Sensing of Environment</i> , 2013, 128, 315-332.	4.6	23
389	Enhanced poleward moisture transport and amplified northern high-latitude wetting trend. <i>Nature Climate Change</i> , 2013, 3, 47-51.	8.1	262
390	Modelling snow and ice thickness in the coastal Kara Sea, Russian Arctic. <i>Annals of Glaciology</i> , 2013, 54, 105-113.	2.8	26
391	Springtime atmospheric energy transport and the control of Arctic summer sea-ice extent. <i>Nature Climate Change</i> , 2013, 3, 744-748.	8.1	179
392	The Sensitivity of the Arctic Ocean Sea Ice Thickness and Its Dependence on the Surface Albedo Parameterization. <i>Journal of Climate</i> , 2013, 26, 1355-1370.	1.2	13
393	Waveform classification of airborne synthetic aperture radar altimeter over Arctic sea ice. <i>Cryosphere</i> , 2013, 7, 1315-1324.	1.5	36
394	Future Arctic marine access: analysis and evaluation of observations, models, and projections of sea ice. <i>Cryosphere</i> , 2013, 7, 321-332.	1.5	34
395	Weather measurement system using near-infrared differential spectroscopy. <i>Electronics Letters</i> , 2013, 49, 900-901.	0.5	0
396	Causes and consequences of mid-21st-century rapid ice loss events simulated by the Rossby centre regional atmosphere-ocean model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2013, 65, 19110.	0.8	6
397	On the classification of melt season first-year and multi-year sea ice in the Beaufort Sea using Radarsat-2 data. <i>International Journal of Remote Sensing</i> , 2013, 34, 3760-3774.	1.3	10
398	Reducing spread in climate model projections of a September ice-free Arctic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12571-12576.	3.3	138
399	Influence of Arctic sea ice on European summer precipitation. <i>Environmental Research Letters</i> , 2013, 8, 044015.	2.2	118

#	ARTICLE	IF	CITATIONS
400	Does Arctic sea ice reduction foster shelf-basin exchange?. <i>Ecological Applications</i> , 2013, 23, 1765-1777.	1.8	8
401	Oceans and Marine Resources in a Changing Climate. , 2013, , .		17
402	Recent extreme light sea ice years in the Canadian Arctic Archipelago: 2011 and 2012 eclipse 1998 and 2007. <i>Cryosphere</i> , 2013, 7, 1753-1768.	1.5	14
403	<i>Brief communication</i> "Important role of the mid-tropospheric atmospheric circulation in the recent surface melt increase over the Greenland ice sheet". <i>Cryosphere</i> , 2013, 7, 241-248.	1.5	179
404	Winter Weather Patterns over Northern Eurasia and Arctic Sea Ice Loss. <i>Monthly Weather Review</i> , 2013, 141, 3786-3800.	0.5	69
405	CryoGRID 1.0: Permafrost Distribution in Norway estimated by a Spatial Numerical Model. <i>Permafrost and Periglacial Processes</i> , 2013, 24, 2-19.	1.5	63
406	Sea ice impacts on spring bloom dynamics and net primary production in the Eastern Bering Sea. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 43-62.	1.0	75
407	The role of snow-surface coupling, radiation, and turbulent mixing in modeling a stable boundary layer over Arctic sea ice. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1199-1217.	1.2	63
408	Atmosphere and Ocean Impacts on Recent Western Arctic Summer Sea Ice Melt. <i>Geography Compass</i> , 2013, 7, 686-700.	1.5	7
409	Low <scp>MHC</scp> variation in the polar bear: implications in the face of <scp>A</scp>rtic warming?. <i>Animal Conservation</i> , 2013, 16, 671-683.	1.5	27
410	Trends in Arctic sea ice and the role of atmospheric circulation. <i>Atmospheric Science Letters</i> , 2013, 14, 97-101.	0.8	35
411	A natural antipredation experiment: predator control and reduced sea ice increases colony size in a long-lived duck. <i>Ecology and Evolution</i> , 2013, 3, 3554-3564.	0.8	26
412	Trails to the whale: reflections of change and choice on an Inupiat icescape at Barrow, Alaska. <i>Polar Geography</i> , 2013, 36, 5-29.	0.8	30
413	On the 2012 record low Arctic sea ice cover: Combined impact of preconditioning and an August storm. <i>Geophysical Research Letters</i> , 2013, 40, 1356-1361.	1.5	391
414	High-Latitude Ocean and Sea Ice Surface Fluxes: Challenges for Climate Research. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 403-423.	1.7	137
415	Synthetic aperture radar (SAR) backscatter response from methane ebullition bubbles trapped by thermokarst lake ice. <i>Canadian Journal of Remote Sensing</i> , 2013, 38, 667-682.	1.1	31
417	Recent Trends in Arctic Sea Ice and the Evolving Role of Atmospheric Circulation Forcing, 1979-2007. <i>Geophysical Monograph Series</i> , 0, , 7-26.	0.1	16
418	Comparison between summertime and wintertime Arctic Ocean primary marine aerosol properties. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4783-4799.	1.9	13

#	ARTICLE	IF	CITATIONS
419	Low-level jet characteristics over the Arctic Ocean in spring and summer. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11089-11099.	1.9	38
420	Pollution transport from North America to Greenland during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3825-3848.	1.9	34
421	Cloud and boundary layer interactions over the Arctic sea ice in late summer. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9379-9399.	1.9	155
422	A combined optimal interpolation and nudging scheme to assimilate OSISAF sea-ice concentration into ROMS. <i>Annals of Glaciology</i> , 2013, 54, 8-12.	2.8	25
423	Colimitation by light, nitrate, and iron in the Beaufort Sea in late summer. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3260-3277.	1.0	52
424	The distribution of dissolved and total dissolvable aluminum in the Beaufort Sea and Canada Basin region of the Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6824-6837.	1.0	9
425	Influence of winter sea-ice motion on summer ice cover in the Arctic. <i>Polar Research</i> , 2013, 32, 20193.	1.6	73
426	Arctic Sea Ice Decline: Introduction. <i>Geophysical Monograph Series</i> , 2013, , 1-5.	0.1	1
427	The Atmospheric Response to Realistic Reduced Summer Arctic Sea Ice Anomalies. <i>Geophysical Monograph Series</i> , 0, , 91-110.	0.1	26
428	Full-depth desalination of warm sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 435-447.	1.0	30
429	CO ₂ increases ¹⁴ C primary production in an Arctic plankton community. <i>Biogeosciences</i> , 2013, 10, 1291-1308.	1.3	116
430	Interannual variability of surface and bottom sediment transport on the Laptev Sea shelf during summer. <i>Biogeosciences</i> , 2013, 10, 1117-1129.	1.3	29
431	Modeling plankton ecosystem functioning and nitrogen fluxes in the oligotrophic waters of the Beaufort Sea, Arctic Ocean: a focus on light-driven processes. <i>Biogeosciences</i> , 2013, 10, 4785-4800.	1.3	23
432	Arctic rapid sea ice loss events in regional coupled climate scenario experiments. <i>Ocean Science</i> , 2013, 9, 217-248.	1.3	24
433	Short- and long-term thermo-erosion of ice-rich permafrost coasts in the Laptev Sea region. <i>Biogeosciences</i> , 2013, 10, 4297-4318.	1.3	167
434	Effects of temperature on the metabolic stoichiometry of Arctic zooplankton. <i>Biogeosciences</i> , 2013, 10, 689-697.	1.3	34
435	Interannual variation in the epibenthic megafauna at the shallowest station of the HAUSGARTEN observatory (79° N, 6° E). <i>Biogeosciences</i> , 2013, 10, 3479-3492.	1.3	26
436	Assessment of light absorption within highly scattering bottom sea ice from under-ice light measurements: Implications for Arctic ice algae primary production. <i>Limnology and Oceanography</i> , 2013, 58, 893-902.	1.6	31

#	ARTICLE	IF	CITATIONS
437	Increasing cloudiness in Arctic damps the increase in phytoplankton primary production due to sea ice receding. <i>Biogeosciences</i> , 2013, 10, 4087-4101.	1.3	141
438	Time and space variability of freshwater content, heat content and seasonal ice melt in the Arctic Ocean from 1991 to 2011. <i>Ocean Science</i> , 2013, 9, 1015-1055.	1.3	40
439	Daily Area of Snow Melt Onset on Arctic Sea Ice from Passive Microwave Satellite Observations 1979â€“2012. <i>Remote Sensing</i> , 2014, 6, 11283-11314.	1.8	9
440	Sensitivity of CryoSat-2 Arctic sea-ice freeboard and thickness on radar-waveform interpretation. <i>Cryosphere</i> , 2014, 8, 1607-1622.	1.5	232
441	Variability in categories of Arctic sea ice in Fram Strait. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7175-7189.	1.0	22
442	Attribution of snowmelt onset in Northern Canada. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9638-9653.	1.2	15
443	Autonomous observations of solar energy partitioning in first-year sea ice in the Arctic Basin. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2066-2080.	1.0	20
444	Surface energy budget of landfast sea ice during the transitions from winter to snowmelt and melt pond onset: The importance of net longwave radiation and cyclone forcings. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3679-3693.	1.0	19
445	Polar Bears from Space: Assessing Satellite Imagery as a Tool to Track Arctic Wildlife. <i>PLoS ONE</i> , 2014, 9, e101513.	1.1	44
446	Improved mapping of sea ice production in the Arctic Ocean using AMSRâ€“E thin ice thickness algorithm. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3574-3594.	1.0	55
447	ELECTROMAGNETIC WAVE SCATTERING FROM ROUGH BOUNDARIES INTERFACING INHOMOGENEOUS MEDIA AND APPLICATION TO SNOW-COVERED SEA ICE. <i>Progress in Electromagnetics Research</i> , 2014, 144, 201-219.	1.6	16
448	Holocene sub-centennial evolution of Atlantic water inflow and sea ice distribution in the western Barents Sea. <i>Climate of the Past</i> , 2014, 10, 181-198.	1.3	52
449	Response of ice cover on shallow lakes of the North Slope of Alaska to contemporary climate conditions (1950â€“2011): radar remote-sensing and numerical modeling data analysis. <i>Cryosphere</i> , 2014, 8, 167-180.	1.5	107
450	A synthesis of light absorption properties of the Arctic Ocean: application to semianalytical estimates of dissolved organic carbon concentrations from space. <i>Biogeosciences</i> , 2014, 11, 3131-3147.	1.3	29
451	Iron and manganese speciation and cycling in glacially influenced high-latitude fjord sediments (West) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Cosmochimica Acta</i> , 2014, 141, 628-655.	1.6	88
452	Effects of explicit atmospheric convection at high CO ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10943-10948.	3.3	24
453	In Vivo Effects of Environmental Concentrations of Produced Water on the Reproductive Function of Polar Cod (<i>Boreogadus saida</i>). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 557-573.	1.1	26
454	Late Winter Sea Ice in the Bering Sea: Predictor for Maize and Rice Production in Northeast China. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 1183-1192.	0.6	22

#	ARTICLE	IF	CITATIONS
455	Impacts of Autumn Arctic Sea Ice Concentration Changes on the East Asian Winter Monsoon Variability. <i>Journal of Climate</i> , 2014, 27, 5433-5450.	1.2	70
456	Toward Producing the Chukchiâ€Beaufort High-Resolution Atmospheric Reanalysis (CBHAR) via the WRFDA Data Assimilation System. <i>Monthly Weather Review</i> , 2014, 142, 788-805.	0.5	19
457	Summer Arctic Atmospheric Circulation Response to Spring Eurasian Snow Cover and Its Possible Linkage to Accelerated Sea Ice Decrease. <i>Journal of Climate</i> , 2014, 27, 6551-6558.	1.2	40
458	The Early Winter Sea Ice Variability under the Recent Arctic Climate Shift. <i>Journal of Climate</i> , 2014, 27, 5092-5110.	1.2	19
459	Response of the Wintertime Northern Hemisphere Atmospheric Circulation to Current and Projected Arctic Sea Ice Decline: A Numerical Study with CAM5. <i>Journal of Climate</i> , 2014, 27, 244-264.	1.2	256
460	Source identification of the Arctic sea ice proxy IP25. <i>Nature Communications</i> , 2014, 5, 4197.	5.8	136
461	Infectious disease, shifting climates, and opportunistic predators: cumulative factors potentially impacting wild salmon declines. <i>Evolutionary Applications</i> , 2014, 7, 812-855.	1.5	185
462	Climate trends in the Arctic as observed from space. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014, 5, 389-409.	3.6	236
463	Intraseasonal and Interdecadal Jet Shifts in the Northern Hemisphere: The Role of Warm Pool Tropical Convection and Sea Ice. <i>Journal of Climate</i> , 2014, 27, 6497-6518.	1.2	61
464	The Boulder Patch (North Alaska, Beaufort Sea) and its Benthic Algal Flora. <i>Arctic</i> , 2014, 67, 43.	0.2	22
465	Pan-Arctic Climate and Land Cover Trends Derived from Multi-Variate and Multi-Scale Analyses (1981â€2012). <i>Remote Sensing</i> , 2014, 6, 2296-2316.	1.8	29
466	Global Sea Ice Coverage from Satellite Data: Annual Cycle and 35-Yr Trends. <i>Journal of Climate</i> , 2014, 27, 9377-9382.	1.2	71
467	Barcoding the <i>Colembola</i> of <i>Chukchi</i> : a molecular taxonomic reassessment of species diversity in a subarctic area. <i>Molecular Ecology Resources</i> , 2014, 14, 249-261.	2.2	32
468	Spatial and temporal variability of air-sea CO ₂ exchange of alongshore waters in summer near Barrow, Alaska. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 141, 37-46.	0.9	5
469	Impacts of sea ice retreat, thinning, and melt-pond proliferation on the summer phytoplankton bloom in the Chukchi Sea, Arctic Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 105, 85-104.	0.6	46
470	Nutrients and phytoplankton biomass distribution and activity at the Barents Sea Polar Front during summer near Hopen and Storbanken. <i>Journal of Marine Systems</i> , 2014, 130, 181-192.	0.9	18
471	The impact of winds and sea surface temperatures on the Barents Sea ice extent, a statistical approach. <i>Journal of Marine Systems</i> , 2014, 130, 248-255.	0.9	38
472	The Arctic freshwater cycle during a naturally and an anthropogenically induced warm climate. <i>Climate Dynamics</i> , 2014, 42, 2099-2112.	1.7	8

#	ARTICLE	IF	CITATIONS
473	Evaluation of pan-Arctic melt-freeze onset in CMIP5 climate models and reanalyses using surface observations. <i>Climate Dynamics</i> , 2014, 42, 2239-2257.	1.7	14
474	Ocean heat transport into the Arctic in the twentieth and twenty-first century in EC-Earth. <i>Climate Dynamics</i> , 2014, 42, 3101-3120.	1.7	79
475	Recent climate variation in the Bering and Chukchi Seas and its linkages to large-scale circulation in the Pacific. <i>Climate Dynamics</i> , 2014, 42, 2423-2437.	1.7	24
476	Arctic Climate and Water Change: Model and Observation Relevance for Assessment and Adaptation. <i>Surveys in Geophysics</i> , 2014, 35, 853-877.	2.1	26
477	Patterns of decadal-scale Arctic warming events in simulated climate. <i>Climate Dynamics</i> , 2014, 43, 1773-1789.	1.7	20
478	A bias correction method for Arctic satellite sea surface temperature observations. <i>Remote Sensing of Environment</i> , 2014, 146, 201-213.	4.6	42
479	Comparison of surface albedo feedback in climate models and observations. <i>Geophysical Research Letters</i> , 2014, 41, 1717-1723.	1.5	26
480	Will typhoon over the western North Pacific be more frequent in the Blue Arctic conditions?. <i>Science China Earth Sciences</i> , 2014, 57, 1494-1500.	2.3	1
481	Impact of dispersed fuel oil on cardiac mitochondrial function in polar cod <i>Boreogadus saida</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 13779-13788.	2.7	19
482	Critical mechanisms for the formation of extreme arctic sea-ice extent in the summers of 2007 and 1996. <i>Climate Dynamics</i> , 2014, 43, 53-70.	1.7	15
483	Unusual forest growth decline in boreal North America covaries with the retreat of Arctic sea ice. <i>Global Change Biology</i> , 2014, 20, 851-866.	4.2	77
484	The large marine ecosystem approach to assessment and management of polar bears during climate change. <i>Environmental Development</i> , 2014, 11, 67-83.	1.8	0
485	Controls on the seasonal variability of calcium carbonate saturation states in the Atlantic gateway to the Arctic Ocean. <i>Marine Chemistry</i> , 2014, 158, 1-9.	0.9	11
486	Holocene records of paleoclimatic and paleoceanographic changes in the western arctic. <i>Geosciences Journal</i> , 2014, 18, 247-260.	0.6	1
487	New tools for the reconstruction of Pleistocene Antarctic sea ice. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 399, 260-283.	1.0	53
488	Sea Ice Motion Tracking From Sequential Dual-Polarization RADARSAT-2 Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 121-136.	2.7	97
489	Role of sea ice in formation of wintertime arctic temperature anomalies. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2014, 50, 343-349.	0.2	10
490	Changes to the Canadian Arctic Archipelago Sea Ice and Freshwater Fluxes in the Twenty-First Century under the Intergovernmental Panel on Climate Change A1B Climate Scenario. <i>Atmosphere - Ocean</i> , 2014, 52, 331-350.	0.6	24

#	ARTICLE	IF	CITATIONS
491	Robust Arctic sea-ice influence on the frequent Eurasian cold winters in past decades. <i>Nature Geoscience</i> , 2014, 7, 869-873.	5.4	620
492	Marine accessibility along Russia's Northern Sea Route. <i>Polar Geography</i> , 2014, 37, 111-133.	0.8	90
493	Seasonal changes in mesozooplankton swimmers collected by sediment trap moored at a single station on the Northwind Abyssal Plain in the western Arctic Ocean. <i>Journal of Plankton Research</i> , 2014, 36, 490-502.	0.8	29
494	Belugas in the Mackenzie River estuary, NT, Canada: Habitat use and hot spots in the Tarium Niryutait Marine Protected Area. <i>Ocean and Coastal Management</i> , 2014, 100, 128-138.	2.0	14
495	Productivity of aquatic primary producers under global climate change. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1370-1392.	1.6	55
496	Sustaining observations in the polar oceans. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130337.	1.6	7
497	Distribution, diversity and drivers of blood-borne parasite co-infections in Alaskan bird populations. <i>International Journal for Parasitology</i> , 2014, 44, 717-727.	1.3	76
498	Near-Inertial Internal Waves and Sea Ice in the Beaufort Sea*. <i>Journal of Physical Oceanography</i> , 2014, 44, 2212-2234.	0.7	35
499	Can uncertainties in sea ice albedo reconcile patterns of data-model discord for the Pliocene and 20th/21st centuries?. <i>Geophysical Research Letters</i> , 2014, 41, 2011-2018.	1.5	9
500	A trophic mass balance model of the eastern Chukchi Sea with comparisons to other high-latitude systems. <i>Polar Biology</i> , 2014, 37, 911-939.	0.5	58
501	Declining trends in the majority of Greenland's thick-billed murre (<i>Uria lomvia</i>) colonies 1981-2011. <i>Polar Biology</i> , 2014, 37, 1061-1071.	0.5	29
502	Sensitivity of Arctic warming to sea surface temperature distribution over melted sea-ice region in atmospheric general circulation model experiments. <i>Climate Dynamics</i> , 2014, 42, 941-955.	1.7	5
503	Ensemble of sea ice initial conditions for interannual climate predictions. <i>Climate Dynamics</i> , 2014, 43, 2813-2829.	1.7	28
504	Effects of Arctic Sea Ice Decline on Weather and Climate: A Review. <i>Surveys in Geophysics</i> , 2014, 35, 1175-1214.	2.1	595
505	Vertical heat transfer based on direct microstructure measurements in the ice-free Pacific-side Arctic Ocean: the role and impact of the Pacific water intrusion. <i>Journal of Oceanography</i> , 2014, 70, 343-353.	0.7	11
506	A Comparison of Atmospheric Reanalysis Products for the Arctic Ocean and Implications for Uncertainties in Air-Sea Fluxes. <i>Journal of Climate</i> , 2014, 27, 5411-5421.	1.2	40
507	Variations of sea ice in the Antarctic and Arctic from 1997-2006. <i>Frontiers of Earth Science</i> , 2014, 8, 385-392.	0.9	1
508	Characterization of spirolide producing <i>Alexandrium ostenfeldii</i> (Dinophyceae) from the western Arctic. <i>Harmful Algae</i> , 2014, 39, 259-270.	2.2	32

#	ARTICLE	IF	CITATIONS
509	Phytoplankton blooms beneath the sea ice in the Chukchi sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 105, 1-16.	0.6	187
510	Surface sediment dinoflagellate cysts from the Hudson Bay system and their relation to freshwater and nutrient cycling. Marine Micropaleontology, 2014, 106, 79-109.	0.5	63
511	Influence of the physical environment on polar phytoplankton blooms: A case study in the Fram Strait. Journal of Marine Systems, 2014, 132, 196-207.	0.9	55
512	On coherent ice drift features in the southern Beaufort sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 92, 56-74.	0.6	5
513	Diffuse spectral reflectance of surficial sediments indicates sedimentary environments on the shelves of the Bering Sea and western Arctic. Marine Geology, 2014, 355, 218-233.	0.9	20
514	Atmospheric impacts of an Arctic sea ice minimum as seen in the Community Atmosphere Model. International Journal of Climatology, 2014, 34, 766-779.	1.5	44
515	Assessing trend and variation of Arctic sea-ice extent during 1979â€”2012 from a latitude perspective of ice edge. Polar Research, 2014, 33, 21249.	1.6	21
516	Modelling changes in Arctic Sea Ice Cover: an application of generalized and inflated beta and gamma densities. Journal of Statistical Distributions and Applications, 2014, 1, 3.	1.2	0
517	Connecting early summer cloudâ€”controlled sunlight and late summer sea ice in the Arctic. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,087.	1.2	33
518	Solar heating of the Arctic Ocean in the context of iceâ€”albedo feedback. Journal of Geophysical Research: Oceans, 2014, 119, 8395-8409.	1.0	9
519	Changes in Arctic melt season and implications for sea ice loss. Geophysical Research Letters, 2014, 41, 1216-1225.	1.5	531
520	Deterioration of perennial sea ice in the Beaufort Gyre from 2003 to 2012 and its impact on the oceanic freshwater cycle. Journal of Geophysical Research: Oceans, 2014, 119, 1271-1305.	1.0	166
521	The Arctic Summer Cloud Ocean Study (ASCOS): overview and experimental design. Atmospheric Chemistry and Physics, 2014, 14, 2823-2869.	1.9	140
522	Recent advances in understanding the Arctic climate system state and change from a sea ice perspective: a review. Atmospheric Chemistry and Physics, 2014, 14, 13571-13600.	1.9	71
523	Zooplankton community structure and dynamics in the Arctic Canada Basin during a period of intense environmental change (2004-2009). Journal of Geophysical Research: Oceans, 2014, 119, 2518-2538.	1.0	21
524	Summer Arctic sea ice albedo in CMIP5 models. Atmospheric Chemistry and Physics, 2014, 14, 1987-1998.	1.9	37
525	Mechanism of an Abrupt Decrease in Sea-Ice Cover in the Pacific Sector of the Arctic during the Late 1980s. Atmosphere - Ocean, 2014, 52, 434-445.	0.6	3
526	First records of Amphidoma languida and Azadinium dexteroporum (Amphidomataceae, Dinophyceae) from the Irminger Sea off Iceland. Marine Biodiversity Records, 2015, 8, .	1.2	22

#	ARTICLE	IF	CITATIONS
527	Estimating the abundance of the Southern Hudson Bay polar bear subpopulation with aerial surveys. <i>Polar Biology</i> , 2015, 38, 1713-1725.	0.5	47
528	Impact of snow accumulation on CryoSat-2 range retrievals over Arctic sea ice: An observational approach with buoy data. <i>Geophysical Research Letters</i> , 2015, 42, 4447-4455.	1.5	65
529	Nutrient supply and biological response to wind-induced mixing, inertial motion, internal waves, and currents in the northern Chukchi Sea. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1975-1992.	1.0	50
530	A negative phase shift of the winter AO/NAO due to the recent Arctic sea-ice reduction in late autumn. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3209-3227.	1.2	180
531	Assessing the potential impacts of declining Arctic sea ice cover on the photochemical degradation of dissolved organic matter in the Chukchi and Beaufort Seas. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2326-2344.	1.3	17
532	Variability in the meteoric water, sea-ice melt, and Pacific water contributions to the central Arctic Ocean, 2000-2014. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1573-1598.	1.0	37
533	The coastal ocean response to the global warming acceleration and hiatus. <i>Scientific Reports</i> , 2015, 5, 16630.	1.6	54
534	Uncertainty of Arctic summer ice drift assessed by high-resolution SAR data. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5285-5301.	1.0	39
535	Covariance between Arctic sea ice and clouds within atmospheric state regimes at the satellite footprint level. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 12656-12678.	1.2	84
536	Arctic climate change in an ensemble of regional CORDEX simulations. <i>Polar Research</i> , 2015, 34, 24603.	1.6	43
537	The Beaufort Gyre variation and its impacts on the Canada Basin in 2003-2012. <i>Acta Oceanologica Sinica</i> , 2015, 34, 19-31.	0.4	11
538	Temporal variability of vertical heat flux in the Makarov Basin during the ice camp observation in summer 2010. <i>Acta Oceanologica Sinica</i> , 2015, 34, 118-125.	0.4	2
539	Arctic Ocean outflow shelves in the changing Arctic: A review and perspectives. <i>Progress in Oceanography</i> , 2015, 139, 66-88.	1.5	65
541	A study of multiyear ice concentration retrieval algorithms using AMSR-E data. <i>Acta Oceanologica Sinica</i> , 2015, 34, 102-109.	0.4	8
542	Middle to late Holocene paleoproductivity reconstructions for the western Barents Sea: a model-data comparison. <i>Arktos</i> , 2015, 1, 1.	1.0	4
543	A baseline for the vertical distribution of the stable carbon isotopes of dissolved inorganic carbon ($\delta^{13}\text{CDIC}$) in the Arctic Ocean. <i>Arktos</i> , 2015, 1, 1.	1.0	15
544	Causes for different spatial distributions of minimum Arctic sea-ice extent in 2007 and 2012. <i>Acta Oceanologica Sinica</i> , 2015, 34, 94-101.	0.4	6
545	A hybrid statistical downscaling model for prediction of winter precipitation in China. <i>International Journal of Climatology</i> , 2015, 35, 1309-1321.	1.5	28

#	ARTICLE	IF	CITATIONS
546	Landfast ice affects the stability of the Arctic halocline: Evidence from a numerical model. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 2622-2635.	1.0	21
547	Characterizing horizontal variability and energy spectra in the Arctic Ocean halocline. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 436-450.	1.0	6
548	The impact of stored solar heat on Arctic sea ice growth. <i>Geophysical Research Letters</i> , 2015, 42, 6399-6406.	1.5	70
549	Sea ice climatology in the Canadian Western Arctic: thermodynamic versus dynamic controls. <i>International Journal of Climatology</i> , 2015, 35, 1867-1880.	1.5	4
550	Advancements in decadal climate predictability: The role of nonoceanic drivers. <i>Reviews of Geophysics</i> , 2015, 53, 165-202.	9.0	81
551	Revisiting the potential of melt pond fraction as a predictor for the seasonal Arctic sea ice extent minimum. <i>Environmental Research Letters</i> , 2015, 10, 054017.	2.2	39
552	Modelling snow ice and superimposed ice on landfast sea ice in Kongsfjorden, Svalbard. <i>Polar Research</i> , 2015, 34, 20828.	1.6	26
553	Short-term changes in the mesozooplankton community and copepod gut pigment in the Chukchi Sea in autumn: reflections of a strong wind event. <i>Biogeosciences</i> , 2015, 12, 4005-4015.	1.3	14
554	Flux variations and vertical distributions of siliceous Rhizaria (Radiolaria and Phaeodaria) in the western Arctic Ocean: indices of environmental changes. <i>Biogeosciences</i> , 2015, 12, 2019-2046.	1.3	30
555	Interactions of anthropogenic stress factors on marine phytoplankton. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	66
556	Empirical error functions for monthly mean Arctic sea ice drift. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7450-7475.	1.0	29
557	Conservation Issues: Polar Seas. , 2015, , .		0
558	A General Linear Model for Sea Ice Extent. <i>SSRN Electronic Journal</i> , 2015, , .	0.4	2
559	Upper Ocean Heat Observation using UpTempO buoys during RV <i>Mirai</i> Arctic cruise MR14-05. <i>JAMSTEC Report of Research and Development</i> , 2015, 21, 1-6.	0.2	2
560	Atmospheric moisture transport: the bridge between ocean evaporation and Arctic ice melting. <i>Earth System Dynamics</i> , 2015, 6, 583-589.	2.7	21
561	Modelling the impact of riverine DON removal by marine bacterioplankton on primary production in the Arctic Ocean. <i>Biogeosciences</i> , 2015, 12, 3385-3402.	1.3	14
562	An ice-free Arctic Ocean: history, science, and scepticism. <i>Polar Record</i> , 2015, 51, 130-139.	0.4	3
563	Modeling and Measurement of C-Band Radar Backscatter From Snow-Covered First-Year Sea Ice. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 4063-4078.	2.7	20

#	ARTICLE	IF	CITATIONS
564	Pigment signatures of phytoplankton communities in the Beaufort Sea. <i>Biogeosciences</i> , 2015, 12, 991-1006.	1.3	61
565	Ecological recovery in an Arctic delta following widespread saline incursion. , 2015, 25, 172-185.		21
566	An Investigation into the Impact of using Various Techniques to Estimate Arctic Surface Air Temperature Anomalies*. <i>Journal of Climate</i> , 2015, 28, 1743-1763.	1.2	17
567	A comparison of ringed and bearded seal diet, condition and productivity between historical (1975â€“1984) and recent (2003â€“2012) periods in the Alaskan Bering and Chukchi seas. <i>Progress in Oceanography</i> , 2015, 136, 133-150.	1.5	73
568	Wind-stress effect on the relationships between sea surface temperature and geomagnetic activity. , 2015, , .		0
569	Winter shipping in the Canadian Arctic: toward year-round traffic?. <i>Polar Geography</i> , 2015, 38, 70-88.	0.8	22
570	Arctic sea ice trends, variability and implications for seasonal ice forecasting. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140159.	1.6	256
571	Variability and extreme of Mackenzie River daily discharge during 1973â€“2011. <i>Quaternary International</i> , 2015, 380-381, 159-168.	0.7	70
572	Attenuation of Wave Energy by Nearshore Sea Ice: Prince Edward Island, Canada. <i>Journal of Coastal Research</i> , 2015, 32, 253.	0.1	6
573	Barents Sea monitoring with a SEA EXPLORER glider. , 2015, , .		1
574	New areas of polar lows over the Arctic as a result of the decrease in sea ice extent. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2015, 51, 1021-1033.	0.2	9
575	Arctic sea ice cover in connection with climate change. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2015, 51, 889-902.	0.2	9
576	The impact of freshening on phytoplankton production in the Pacific Arctic Ocean. <i>Progress in Oceanography</i> , 2015, 131, 113-125.	1.5	97
577	Fixed-Point Observation of Mixed Layer Evolution in the Seasonally Ice-Free Chukchi Sea: Turbulent Mixing due to Gale Winds and Internal Gravity Waves. <i>Journal of Physical Oceanography</i> , 2015, 45, 836-853.	0.7	23
578	The uniaxial compressive strength of the Arctic summer sea ice. <i>Acta Oceanologica Sinica</i> , 2015, 34, 129-136.	0.4	11
579	A Simple Scheme for Estimating Turbulent Heat Flux over Landfast Arctic Sea Ice from Dry Snow to Advanced Melt. <i>Boundary-Layer Meteorology</i> , 2015, 155, 351-367.	1.2	4
580	Projected future duration of the sea-ice-free season in the Alaskan Arctic. <i>Progress in Oceanography</i> , 2015, 136, 50-59.	1.5	82
581	Arctic sea ice and Eurasian climate: A review. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 92-114.	1.9	169

#	ARTICLE	IF	CITATIONS
582	Assessment of ocean color data records from MODIS-Aqua in the western Arctic Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 118, 32-43.	0.6	32
583	A year in the acoustic world of bowhead whales in the Bering, Chukchi and Beaufort seas. <i>Progress in Oceanography</i> , 2015, 136, 223-240.	1.5	34
584	Divergent patterns of recent sea ice cover across the Bering, Chukchi, and Beaufort seas of the Pacific Arctic Region. <i>Progress in Oceanography</i> , 2015, 136, 32-49.	1.5	169
585	Bowhead whale body condition and links to summer sea ice and upwelling in the Beaufort Sea. <i>Progress in Oceanography</i> , 2015, 136, 250-262.	1.5	81
586	Assessment of Sea Ice Albedo Radiative Forcing and Feedback over the Northern Hemisphere from 1982 to 2009 Using Satellite and Reanalysis Data. <i>Journal of Climate</i> , 2015, 28, 1248-1259.	1.2	29
587	Particle sources and downward fluxes in the eastern Fram strait under the influence of the west Spitsbergen current. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 103, 49-63.	0.6	17
588	Sea Ice Enhancements to Polar WRF*. <i>Monthly Weather Review</i> , 2015, 143, 2363-2385.	0.5	69
589	Age and growth of marine three-spined stickleback in the White Sea 50 years after a population collapse. <i>Polar Biology</i> , 2015, 38, 1813-1823.	0.5	13
590	Mechanisms for low-frequency variability of summer Arctic sea ice extent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4570-4575.	3.3	146
591	Decadal changes in the Southern Hemisphere sea surface temperature in association with El Niño and Southern Oscillation and Southern Annular Mode. <i>Climate Dynamics</i> , 2015, 45, 3227-3242.	1.7	47
592	Synchronous changes in chironomid assemblages in two Arctic delta lake ecosystems after a major saltwater intrusion event. <i>Journal of Paleolimnology</i> , 2015, 53, 177-189.	0.8	7
593	Extratropical Ocean Warming and Winter Arctic Sea Ice Cover since the 1990s. <i>Journal of Climate</i> , 2015, 28, 5510-5522.	1.2	25
594	Structure and variability of the boundary current in the Eurasian Basin of the Arctic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 101, 80-97.	0.6	59
595	Arctic Tropospheric Warming: Causes and Linkages to Lower Latitudes. <i>Journal of Climate</i> , 2015, 28, 2154-2167.	1.2	126
596	Unexpected Levels of Biological Activity during the Polar Night Offer New Perspectives on a Warming Arctic. <i>Current Biology</i> , 2015, 25, 2555-2561.	1.8	163
597	The marine carbonate system of the Arctic Ocean: Assessment of internal consistency and sampling considerations, summer 2010. <i>Marine Chemistry</i> , 2015, 176, 174-188.	0.9	48
598	Atmospheric Impact of Arctic Sea Ice Loss in a Coupled Ocean-Atmosphere Simulation*. <i>Journal of Climate</i> , 2015, 28, 9606-9622.	1.2	32
599	Changes in the UV Lambertian equivalent reflectivity in the Southern Ocean: Influence of sea ice and cloudiness. <i>Remote Sensing of Environment</i> , 2015, 169, 75-92.	4.6	5

#	ARTICLE	IF	CITATIONS
600	Attribution of the Recent Winter Sea Ice Decline over the Atlantic Sector of the Arctic Ocean*. Journal of Climate, 2015, 28, 4027-4033.	1.2	141
601	On the measure of sea ice area from sea ice concentration data sets. , 2015, , .		0
602	Regional productivity of phytoplankton in the Western Arctic Ocean during summer in 2010. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 120, 61-71.	0.6	22
603	The Study of Inuit Knowledge of Climate Change in Nunavik, Quebec: A Mixed Methods Approach. Human Ecology, 2015, 43, 379-394.	0.7	48
604	Wind Waves in the Arctic Seas: Envisat and AltiKa Data Analysis. Marine Geodesy, 2015, 38, 289-298.	0.9	10
605	Controls on Spatial and Temporal Variability in Northern Hemisphere Terrestrial Snow Melt Timing, 1979-2012. Journal of Climate, 2015, 28, 2136-2153.	1.2	18
606	Oceanography north of 60°N from World Ocean Database. Progress in Oceanography, 2015, 132, 153-173.	1.5	37
607	Impact of early food input on the Arctic benthos activities during the polar night. Polar Biology, 2015, 38, 99-114.	0.5	33
608	Effect of light and food on the metabolism of the Arctic copepod <i>Calanus glacialis</i> . Polar Biology, 2015, 38, 67-73.	0.5	18
609	Ozone depletion and climate change: impacts on UV radiation. Photochemical and Photobiological Sciences, 2014, 14, 19-52.	1.6	227
610	PREVALENCE AND SPATIO-TEMPORAL VARIATION OF AN ALOPECIA SYNDROME IN POLAR BEARS (<i>URSUS</i>) Tj ET Oq 0 0 0 rg BT /Overlo	0.3	20
611	The Southern Ocean ecosystem under multiple climate change stresses -an integrated circumpolar assessment. Global Change Biology, 2015, 21, 1434-1453.	4.2	190
612	Microzooplankton community structure and grazing impact on major phytoplankton in the Chukchi sea and the western Canada basin, Arctic ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 120, 91-102.	0.6	22
613	At the rainbow's end: high productivity fueled by winter upwelling along an Arctic shelf. Polar Biology, 2015, 38, 5-11.	0.5	78
614	Increased Surface Ocean Heating by Colored Detrital Matter (CDM) Linked to Greater Northern Hemisphere Ice Formation in the GFDL CM2Mc ESM. Journal of Climate, 2016, 29, 9063-9076.	1.2	14
615	Benefits of assimilating thin sea ice thickness from SMOS into the TOPAZ system. Cryosphere, 2016, 10, 2745-2761.	1.5	42
616	Mechanism of seasonal Arctic sea ice evolution and Arctic amplification. Cryosphere, 2016, 10, 2191-2202.	1.5	41
617	Influence of timing of sea ice retreat on phytoplankton size during marginal ice zone bloom period on the Chukchi and Bering shelves. Biogeosciences, 2016, 13, 115-131.	1.3	36

#	ARTICLE	IF	CITATIONS
618	Assessment of Arctic and Antarctic sea ice predictability in CMIP5 decadal hindcasts. <i>Cryosphere</i> , 2016, 10, 2429-2452.	1.5	20
619	Wave climate in the Arctic 1992–2014: seasonality and trends. <i>Cryosphere</i> , 2016, 10, 1605-1629.	1.5	114
620	The influence of winter and summer atmospheric circulation on the variability of temperature and sea ice around Greenland. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2016, 68, 31971.	0.8	8
621	Understanding Rapid Changes in Phase Partitioning between Cloud Liquid and Ice in Stratiform Mixed-Phase Clouds: An Arctic Case Study. <i>Monthly Weather Review</i> , 2016, 144, 4805-4826.	0.5	29
622	Primary production in the Chukchi Sea with potential effects of freshwater content. <i>Biogeosciences</i> , 2016, 13, 737-749.	1.3	41
623	Distribution of Arctic and Pacific copepods and their habitat in the northern Bering and Chukchi seas. <i>Biogeosciences</i> , 2016, 13, 4555-4567.	1.3	2
624	An Interdecadal Increase in the Spring Bering Sea Ice Cover in 2007. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	4
625	Spectral Reflectance of Polar Bear and Other Large Arctic Mammal Pelts; Potential Applications to Remote Sensing Surveys. <i>Remote Sensing</i> , 2016, 8, 273.	1.8	22
626	Improving Multiyear Sea Ice Concentration Estimates with Sea Ice Drift. <i>Remote Sensing</i> , 2016, 8, 397.	1.8	34
627	Water mass characteristics and their temporal changes in a biological hotspot in the southern Chukchi Sea. <i>Biogeosciences</i> , 2016, 13, 2563-2578.	1.3	52
628	On assessment of the relationship between changes of sea ice extent and climate in the Arctic. <i>International Journal of Climatology</i> , 2016, 36, 3407-3412.	1.5	23
629	An 11 000-year record of driftwood delivery to the western Queen Elizabeth Islands, Arctic Canada. <i>Boreas</i> , 2016, 45, 494-507.	1.2	12
630	Dynamic Preconditioning of the Minimum September Sea-Ice Extent. <i>Journal of Climate</i> , 2016, 29, 5879-5891.	1.2	64
631	Dependence of subsurface chlorophyll on seasonal water masses in the Chukchi Sea. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1755-1770.	1.0	28
632	Influence of sea ice on ocean water vapor isotopes and Greenland ice core records. <i>Geophysical Research Letters</i> , 2016, 43, 12,475.	1.5	16
633	An overview of black carbon deposition and its radiative forcing over the Arctic. <i>Advances in Climate Change Research</i> , 2016, 7, 115-122.	2.1	31
634	Sea ice retreat controls timing of summer plankton blooms in the Eastern Arctic Ocean. <i>Geophysical Research Letters</i> , 2016, 43, 12,493.	1.5	39
635	Barents Sea polar bears (<i>Ursus maritimus</i>): population biology and anthropogenic threats. <i>Polar Research</i> , 2016, 35, 26029.	1.6	7

#	ARTICLE	IF	CITATIONS
637	Interannual Arctic sea ice variability and associated winter weather patterns: A regional perspective for 1979–2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14,433.	1.2	29
638	Polar Marine Microorganisms and Climate Change. <i>Advances in Microbial Physiology</i> , 2016, 69, 187-215.	1.0	45
639	Trophic variability of Arctic fishes in the Canadian Beaufort Sea: a fatty acids and stable isotopes approach. <i>Polar Biology</i> , 2016, 39, 1267-1282.	0.5	24
640	A year-round study on digestive enzymes in the Arctic copepod <i>Calanus glacialis</i> : implications for its capability to adjust to changing environmental conditions. <i>Polar Biology</i> , 2016, 39, 2241-2252.	0.5	15
641	Trend and interannual variation in summer precipitation in eastern Siberia in recent decades. <i>International Journal of Climatology</i> , 2016, 36, 355-368.	1.5	33
642	Post-glacial variability of sea ice cover, river run-off and biological production in the western Laptev Sea (Arctic Ocean) – A high-resolution biomarker study. <i>Quaternary Science Reviews</i> , 2016, 143, 133-149.	1.4	50
643	Distribution pattern of Polar cod (<i>Boreogadus saida</i>) larvae and larval fish assemblages in relation to oceanographic parameters in the northern Bering Sea and Chukchi Sea. <i>Polar Biology</i> , 2016, 39, 1039-1048.	0.5	22
644	Impact of Ural Blocking on Winter Warm Arctic–Cold Eurasian Anomalies. Part I: Blocking-Induced Amplification. <i>Journal of Climate</i> , 2016, 29, 3925-3947.	1.2	270
645	Impact of Ural Blocking on Winter Warm Arctic–Cold Eurasian Anomalies. Part II: The Link to the North Atlantic Oscillation. <i>Journal of Climate</i> , 2016, 29, 3949-3971.	1.2	152
646	Pleistocene benthic foraminifers in the Arctic Ocean: Implications for sea-ice and circulation history. <i>Marine Micropaleontology</i> , 2016, 126, 19-30.	0.5	16
647	Two different periods of high dust weather frequency in northern China. <i>Atmospheric and Oceanic Science Letters</i> , 2016, 9, 263-269.	0.5	17
648	Microbes and the Arctic Ocean. <i>Advances in Environmental Microbiology</i> , 2016, , 341-381.	0.1	5
649	The migration of fin whales into the southern Chukchi Sea as monitored with passive acoustics. <i>ICES Journal of Marine Science</i> , 2016, 73, 2085-2092.	1.2	18
650	Spatial and geographical changes in the mesozooplankton community in the Bering and Chukchi Seas during the summers of 2007 and 2008. <i>Polar Science</i> , 2016, 10, 335-345.	0.5	13
651	Recent amplification of the North American winter temperature dipole. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9911-9928.	1.2	67
653	Deciphering the structure of the West Greenland marine food web using stable isotopes ($\delta^{13}C$, $\delta^{15}N$). <i>Marine Biology</i> , 2016, 163, 1.	0.7	36
654	A diffusion approximation for ocean wave scatterings by randomly distributed ice floes. <i>Ocean Modelling</i> , 2016, 107, 21-27.	1.0	14
655	Rising atmospheric methane: 2007–2014 growth and isotopic shift. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1356-1370.	1.9	317

#	ARTICLE	IF	CITATIONS
656	Early ice retreat and ocean warming may induce copepod biogeographic boundary shifts in the Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 6137-6158.	1.0	25
657	Spatial and temporal variability of sea-surface temperature fronts in the coastal Beaufort Sea. <i>Continental Shelf Research</i> , 2016, 124, 134-141.	0.9	10
658	Assessing stress in Western Hudson Bay polar bears using hair cortisol concentration as a biomarker. <i>Ecological Indicators</i> , 2016, 71, 47-54.	2.6	21
659	Aerial surveys suggest long-term stability in the seasonally ice-free Foxe Basin (Nunavut) polar bear population. <i>Marine Mammal Science</i> , 2016, 32, 181-201.	0.9	70
660	A new algorithm for discriminating water sources from space: A case study for the southern Beaufort Sea using MODIS ocean color and SMOS salinity data. <i>Remote Sensing of Environment</i> , 2016, 184, 124-138.	4.6	29
661	The Robustness of Midlatitude Weather Pattern Changes due to Arctic Sea Ice Loss. <i>Journal of Climate</i> , 2016, 29, 7831-7849.	1.2	65
662	Glacial meltwater influences on plankton community structure and the importance of top-down control (of primary production) in a Greenland fjord. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 183, 123-135.	0.9	36
663	Meteorology and oceanography of the Atlantic sector of the Southern Ocean—a review of German achievements from the last decade. <i>Ocean Dynamics</i> , 2016, 66, 1379-1413.	0.9	12
664	New visualizations highlight new information on the contrasting Arctic and Antarctic sea-ice trends since the late 1970s. <i>Remote Sensing of Environment</i> , 2016, 183, 198-204.	4.6	66
665	The inflow of Atlantic water at the Fram Strait and its interannual variability. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 502-519.	1.0	33
666	Variability of sea ice melt and meteoric water input in the surface Labrador Current off Newfoundland. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 2841-2855.	1.0	10
667	Linkages between Arctic summer circulation regimes and regional sea ice anomalies. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7868-7880.	1.2	29
668	Physical processes contributing to an ice free Beaufort Sea during September 2012. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 267-283.	1.0	24
669	Atmospheric conditions in the central Arctic Ocean through the melt seasons of 2012 and 2013: Impact on surface conditions and solar energy deposition into the ice-ocean system. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1043-1058.	1.2	13
670	Patterns of Sea Ice Retreat in the Transition to a Seasonally Ice-Free Arctic. <i>Journal of Climate</i> , 2016, 29, 6993-7008.	1.2	30
671	Multidecadal wind-driven shifts in northwest Pacific temperature, salinity, O_2 , and PO_4 . <i>Global Biogeochemical Cycles</i> , 2016, 30, 1599-1619.	1.9	6
672	Effect of retreating sea ice on Arctic cloud cover in simulated recent global warming. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14343-14356.	1.9	32
673	Increasing summer net CO_2 uptake in high northern ecosystems inferred from atmospheric inversions and comparisons to remote-sensing NDVI. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9047-9066.	1.9	33

#	ARTICLE	IF	CITATIONS
674	The phenology of Arctic Ocean surface warming. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 6847-6861.	1.0	38
675	The relationship between summer sea ice extent in Hudson Bay and the Arctic Ocean via the atmospheric circulation. <i>Atmospheric Science Letters</i> , 2016, 17, 603-609.	0.8	3
676	Statistical characteristics of polar lows over the Nordic Seas based on satellite passive microwave data. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2016, 52, 1128-1136.	0.2	4
677	Sensitivity of Arctic warming to sea ice concentration. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6927-6942.	1.2	13
678	Dynamical Link between the Barents-Kara Sea Ice and the Arctic Oscillation. <i>Journal of Climate</i> , 2016, 29, 5103-5122.	1.2	92
679	Mesoscale Climatology and Variation of Surface Winds over the Chukchi-Beaufort Coastal Areas. <i>Journal of Climate</i> , 2016, 29, 2721-2739.	1.2	16
680	Atmospheric response to the autumn sea-ice free Arctic and its detectability. <i>Climate Dynamics</i> , 2016, 46, 2051-2066.	1.7	12
681	On the effects of constraining atmospheric circulation in a coupled atmosphere-ocean Arctic regional climate model. <i>Climate Dynamics</i> , 2016, 46, 3499-3515.	1.7	6
682	Clusters of interannual sea ice variability in the northern hemisphere. <i>Climate Dynamics</i> , 2016, 47, 1527-1543.	1.7	11
683	Predictability of winter temperature in China from previous autumn Arctic sea ice. <i>Climate Dynamics</i> , 2016, 47, 2331-2343.	1.7	49
684	Natural variability or anthropogenically-induced variation? Insights from 15 years of multidisciplinary observations at the arctic marine LTER site HAUSGARTEN. <i>Ecological Indicators</i> , 2016, 65, 89-102.	2.6	129
685	Variations in glacial and interglacial marine conditions over the last two glacial cycles off northern Greenland. <i>Quaternary Science Reviews</i> , 2016, 147, 164-177.	1.4	14
686	The potential role of sea ice melt in the distribution of chromophoric dissolved organic matter in the Chukchi and Beaufort Seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 130, 28-42.	0.6	27
687	Erodibility of permafrost exposures in the coasts of Eastern Chukotka. <i>Polar Science</i> , 2016, 10, 374-381.	0.5	10
688	Northern-Hemisphere snow cover patterns and formation conditions in winter 2007 and 2012. <i>Journal of Ocean University of China</i> , 2016, 15, 407-413.	0.6	0
689	Marine capture fisheries in the Arctic: winners or losers under climate change and ocean acidification?. <i>Fish and Fisheries</i> , 2016, 17, 335-357.	2.7	57
690	Change of Arctic sea-ice volume and its relationship with sea-ice extent in CMIP5 simulations. <i>Atmospheric and Oceanic Science Letters</i> , 2016, 9, 22-30.	0.5	4
691	Improving Multiyear Ice Concentration Estimates With Reanalysis Air Temperatures. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 2602-2614.	2.7	27

#	ARTICLE	IF	CITATIONS
692	Dynamics of the Changing Near-Inertial Internal Wave Field in the Arctic Ocean. <i>Journal of Physical Oceanography</i> , 2016, 46, 395-415.	0.7	39
693	An assessment of the Arctic Ocean in a suite of interannual CORE-II simulations. Part I: Sea ice and solid freshwater. <i>Ocean Modelling</i> , 2016, 99, 110-132.	1.0	64
694	Evaluation of Four Reanalysis Surface Albedo Data Sets in Arctic Using a Satellite Product. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, , 1-5.	1.4	8
695	Atmospheric Applications of Remote Sensing. , 2016, , 177-199.		0
696	Modeling snowdrift habitat for polar bear dens. <i>Ecological Modelling</i> , 2016, 320, 114-134.	1.2	27
697	Arctic and Sub-Arctic shallow lakes in a multiple-stressor world: a paleoecological perspective. <i>Hydrobiologia</i> , 2016, 778, 253-272.	1.0	28
698	Spatial and year-to-year patterns in new and primary productivity in sea ice melt regions of the eastern Bering Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 134, 86-99.	0.6	12
699	Regional Arctic sea ice variations as predictor for winter climate conditions. <i>Climate Dynamics</i> , 2016, 46, 317-337.	1.7	80
700	Winter climate changes over East Asian region under RCP scenarios using East Asian winter monsoon indices. <i>Climate Dynamics</i> , 2017, 48, 577-595.	1.7	15
701	Sources and distribution of sedimentary organic matter along the northern Bering and Chukchi Seas. <i>Journal of Environmental Sciences</i> , 2017, 52, 66-75.	3.2	2
702	Summer refugia of polar bears (<i>Ursus maritimus</i>) in the southern Beaufort Sea. <i>Polar Biology</i> , 2017, 40, 753-763.	0.5	23
703	The importance of sea ice for exchange of habitat-specific protist communities in the Central Arctic Ocean. <i>Journal of Marine Systems</i> , 2017, 165, 124-138.	0.9	58
704	Dynamical and Thermodynamical Impacts of High- and Low-Frequency Atmospheric Eddies on the Initial Melt of Arctic Sea Ice. <i>Journal of Climate</i> , 2017, 30, 865-883.	1.2	14
705	September Arctic sea ice extent indicated by June reflected solar radiation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2194-2202.	1.2	13
706	Temperature variations since 1750 CE inferred from an alpine lake in the southeastern margin of the Tibetan Plateau. <i>Quaternary International</i> , 2017, 436, 37-44.	0.7	8
707	Changes in phytoplankton bloom phenology over the North Water (NOW) polynya: a response to changing environmental conditions. <i>Polar Biology</i> , 2017, 40, 1721-1737.	0.5	57
708	Measurement of the ¹³ C isotopic signature of methane emissions from northern European wetlands. <i>Global Biogeochemical Cycles</i> , 2017, 31, 605-623.	1.9	52
709	The euphotic zone under Arctic Ocean sea ice: Vertical extents and seasonal trends. <i>Limnology and Oceanography</i> , 2017, 62, 1910-1934.	1.6	21

#	ARTICLE	IF	CITATIONS
710	An intercomparison and validation of satellite-based surface radiative energy flux estimates over the Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4829-4848.	1.2	39
711	Re-calibration of Arctic sea ice extent datasets using Arctic surface air temperature records. <i>Hydrological Sciences Journal</i> , 2017, 62, 1317-1340.	1.2	26
712	Impacts of changing ocean circulation on the distribution of marine microplastic litter. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 483-487.	1.6	78
713	Sediment entrainment into sea ice and transport in the Transpolar Drift: A case study from the Laptev Sea in winter 2011/2012. <i>Continental Shelf Research</i> , 2017, 141, 1-10.	0.9	29
714	An Edge-Referenced Surface Fresh Layer in the Beaufort Sea Seasonal Ice Zone. <i>Journal of Physical Oceanography</i> , 2017, 47, 1125-1144.	0.7	22
715	Impact of Poleward Moisture Transport from the North Pacific on the Acceleration of Sea Ice Loss in the Arctic since 2002. <i>Journal of Climate</i> , 2017, 30, 6757-6769.	1.2	45
716	Meteorological conditions in a thinner Arctic sea ice regime from winter to summer during the Norwegian Young Sea Ice expedition (N-ICE2015). <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7235-7259.	1.2	72
717	Variation of sea ice extent in different regions of the Arctic Ocean. <i>Acta Oceanologica Sinica</i> , 2017, 36, 9-19.	0.4	14
718	Attributing Causes of 2015 Record Minimum Sea-Ice Extent in the Sea of Okhotsk. <i>Journal of Climate</i> , 2017, 30, 4693-4703.	1.2	13
719	Interdecadal changes in the marine food web along the west Spitsbergen coast detected in the stable isotope composition of ringed seal (<i>Pusa hispida</i>) whiskers. <i>Polar Biology</i> , 2017, 40, 2027-2033.	0.5	13
720	Environmental Reporting in a Post Truth World. <i>Asia Pacific Media Educator</i> , 2017, 27, 27-40.	0.5	2
721	Bacterial community structure and functional potential in the northeastern Chukchi Sea. <i>Continental Shelf Research</i> , 2017, 136, 20-28.	0.9	15
722	The Arctic Winter Sea Ice Quadrupole Revisited. <i>Journal of Climate</i> , 2017, 30, 3157-3167.	1.2	10
723	Arctic sea ice, Eurasia snow, and extreme winter haze in China. <i>Science Advances</i> , 2017, 3, e1602751.	4.7	181
724	Surreptitious sympatry: Exploring the ecological and genetic separation of two sibling species. <i>Ecology and Evolution</i> , 2017, 7, 1725-1736.	0.8	9
725	Arctic and East Asia Winter Climate Variations Associated with the Eastern Atlantic Pattern. <i>Journal of Climate</i> , 2017, 30, 573-583.	1.2	6
726	Time-Dependent Variations in the Arctic's Surface Albedo Feedback and the Link to Seasonality in Sea Ice. <i>Journal of Climate</i> , 2017, 30, 393-410.	1.2	21
727	Seasonal marine mammal occurrence detected from passive acoustic monitoring in Scott Inlet, Nunavut, Canada. <i>Polar Biology</i> , 2017, 40, 1127-1138.	0.5	21

#	ARTICLE	IF	CITATIONS
728	Seasonal and inter-annual variations of Arctic cyclones and their linkage with Arctic sea ice and atmospheric teleconnections. <i>Acta Oceanologica Sinica</i> , 2017, 36, 1-7.	0.4	16
729	Evidence for ice-ocean albedo feedback in the Arctic Ocean shifting to a seasonal ice zone. <i>Scientific Reports</i> , 2017, 7, 8170.	1.6	72
730	The response of the Bering Sea Gateway during the Mid-Pleistocene Transition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 974-985.	1.0	12
731	Satellite observed salinity distributions at high latitudes in the Northern Hemisphere: A comparison of four products. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 7717-7736.	1.0	33
732	Improved Sea Ice Forecasting through Spatiotemporal Bias Correction. <i>Journal of Climate</i> , 2017, 30, 9493-9510.	1.2	15
733	Modern planktic foraminifers in the high-latitude ocean. <i>Marine Micropaleontology</i> , 2017, 136, 1-13.	0.5	41
734	The missing middle: Central Arctic Ocean gaps in fishery research and science coordination. <i>Marine Policy</i> , 2017, 85, 79-86.	1.5	22
735	Enhanced wintertime greenhouse effect reinforcing Arctic amplification and initial sea-ice melting. <i>Scientific Reports</i> , 2017, 7, 8462.	1.6	41
736	Benthic foraminifera contribution to fjord modern carbon pools: A seasonal study in Adventfjorden, Spitsbergen. <i>Geobiology</i> , 2017, 15, 704-714.	1.1	11
737	Variability and trends in the Arctic sea ice cover: Results from different techniques. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6883-6900.	1.0	197
738	Sea-ice free Arctic contributes to the projected warming minimum in the North Atlantic. <i>Environmental Research Letters</i> , 2017, 12, 074004.	2.2	11
739	Arctic sea ice in CMIP5 climate model projections and their seasonal variability. <i>Acta Oceanologica Sinica</i> , 2017, 36, 1-8.	0.4	10
740	Influence of regional Arctic sea ice extent on lagged snowfall in the contiguous United States. <i>International Journal of Climatology</i> , 2017, 37, 4962-4971.	1.5	0
741	Composition of algal pigments in surface freshen layer after ice melt in the central Arctic. <i>Acta Oceanologica Sinica</i> , 2017, 36, 122-130.	0.4	9
742	Sea-ice area variability and trends in Arctic sectors of different morphology, 1996–2015. <i>European Journal of Remote Sensing</i> , 2017, 50, 377-383.	1.7	2
743	Winter snow conditions on Arctic sea ice north of Svalbard during the Norwegian young sea ICE (NICE2015) expedition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,837.	1.2	39
744	Habitat foraging niche of a High Arctic zooplanktivorous seabird in a changing environment. <i>Scientific Reports</i> , 2017, 7, 16203.	1.6	28
745	Cumulative human impacts in the Bering Strait Region. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	1.5	6

#	ARTICLE	IF	CITATIONS
746	Response of phytoplankton community to different water types in the western Arctic Ocean surface water based on pigment analysis in summer 2008. <i>Acta Oceanologica Sinica</i> , 2017, 36, 109-121.	0.4	11
747	Short-term variability in late Holocene sea ice cover on the East Greenland Shelf and its driving mechanisms. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 336-350.	1.0	36
748	Arctic climate and its interaction with lower latitudes under different levels of anthropogenic warming in a global coupled climate model. <i>Climate Dynamics</i> , 2017, 49, 471-492.	1.7	20
749	Physical processes responsible for the interannual variability of sea ice concentration in Arctic in boreal autumn since 1979. <i>Journal of Meteorological Research</i> , 2017, 31, 468-475.	0.9	8
750	Attribution of Extreme Events in Arctic Sea Ice Extent. <i>Journal of Climate</i> , 2017, 30, 553-571.	1.2	173
751	The role of solar activity in observed climate changes in the 20th century. <i>Geomagnetism and Aeronomy</i> , 2017, 57, 637-644.	0.2	7
752	How does the SST variability over the western North Atlantic Ocean control Arctic warming over the Barentsâ€“Kara Seas?. <i>Environmental Research Letters</i> , 2017, 12, 034021.	2.2	36
753	Spring snow conditions on Arctic sea ice north of Svalbard, during the Norwegian Young Sea ICE (Nâ€“ICE2015) expedition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,820.	1.2	31
754	Climate change and sea ice: Shipping accessibility on the marine transportation corridor through Hudson Bay and Hudson Strait (1980â€“2014). <i>Elementa</i> , 2017, 5, .	1.1	15
755	Field observations and results of a 1-D boundary layer model for developing near-surface temperature maxima in the Western Arctic. <i>Elementa</i> , 2017, 5, .	1.1	3
756	Comparison of Passive Microwave-Derived Early Melt Onset Records on Arctic Sea Ice. <i>Remote Sensing</i> , 2017, 9, 199.	1.8	27
757	Extreme Sea Ice Loss over the Arctic: An Analysis Based on Anomalous Moisture Transport. <i>Atmosphere</i> , 2017, 8, 32.	1.0	9
758	Enhanced MODIS Atmospheric Total Water Vapour Content Trends in Response to Arctic Amplification. <i>Atmosphere</i> , 2017, 8, 241.	1.0	10
759	Sea ice assimilation into a coupled oceanâ€“sea ice model usingÂ“itsÂ“adjoint. <i>Cryosphere</i> , 2017, 11, 2265-2281.	1.5	11
760	Changes in Marine Prokaryote Composition with Season and Depth Over an Arctic Polar Year. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	73
761	Climateâ€“Glacier Dynamics and Topographic Forcing in the Karakoram Himalaya: Concepts, Issues and Research Directions. <i>Water (Switzerland)</i> , 2017, 9, 405.	1.2	31
762	Carbon geochemistry of plankton-dominated samples in the Laptev and East Siberian shelves: contrasts in suspended particle composition. <i>Ocean Science</i> , 2017, 13, 735-748.	1.3	12
763	A new earthâ€“TM's climate system model of intermediate complexity, PlaSim-ICMMG-1.0: description and performance. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 96, 012005.	0.2	5

#	ARTICLE	IF	CITATIONS
764	Exceptional retreat of Novaya Zemlya's marine-terminating outlet glaciers between 2000 and 2013. <i>Cryosphere</i> , 2017, 11, 2149-2174.	1.5	24
765	Development and evaluation of a driver circuitry for miniature spectrometers used in cold environments. <i>IEICE Electronics Express</i> , 2017, 14, 20170876-20170876.	0.3	3
766	Sea-ice deformation in a coupled ocean-sea-ice model and in satellite remote sensing data. <i>Cryosphere</i> , 2017, 11, 1553-1573.	1.5	37
767	Link between the Barents Oscillation and recent boreal winter cooling over the Asian midlatitudes. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 127-132.	1.9	2
768	Record low sea-ice concentration in the central Arctic during summer 2010. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 106-115.	1.9	19
769	Evaluation of summer passive microwave sea ice concentrations in the Chukchi Sea based on KOMPSAT-5 SAR and numerical weather prediction data. <i>Remote Sensing of Environment</i> , 2018, 209, 343-362.	4.6	19
770	Accelerated increase in plant species richness on mountain summits is linked to warming. <i>Nature</i> , 2018, 556, 231-234.	13.7	580
771	Impact of vessel traffic on the home ranges and movement of shorthorn sculpin (<i>Myoxocephalus</i>) Tj ETQq1 1 0.784314 rgBT /Over to Aquatic Sciences, 2018, 75, 2390-2400.	0.7	10
772	Conservation Issues: Polar Seas. , 2018, , 149-157.		0
773	Role of extratropical cyclones in the recently observed increase in poleward moisture transport into the Arctic Ocean. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 85-94.	1.9	33
774	Arctic Ice-Ocean Coupling and Gyre Equilibration Observed With Remote Sensing. <i>Geophysical Research Letters</i> , 2018, 45, 1499-1508.	1.5	54
775	Comparison of Freeboard Retrieval and Ice Thickness Calculation From ALS, ASIRAS, and CryoSat-2 in the Norwegian Arctic to Field Measurements Made During the NACE2015 Expedition. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1123-1141.	1.0	35
776	Geographic variation in ringed seal (<i>Pusa hispida</i>) growth rate and body size. <i>Canadian Journal of Zoology</i> , 2018, 96, 649-659.	0.4	11
777	Wind-sea surface temperature-sea ice relationship in the Chukchi-Beaufort Seas during autumn. <i>Environmental Research Letters</i> , 2018, 13, 034008.	2.2	19
778	Thin Sea Ice, Thick Snow, and Widespread Negative Freeboard Observed During NACE2015 North of Svalbard. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1156-1176.	1.0	58
779	Simulations of Eurasian winter temperature trends in coupled and uncoupled CFSv2. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 14-26.	1.9	19
780	Comparison of Mechanisms for Low-Frequency Variability of Summer Arctic Sea Ice in Three Coupled Models. <i>Journal of Climate</i> , 2018, 31, 1205-1226.	1.2	12
781	Salinity Trends within the Upper Layers of the Subpolar North Atlantic. <i>Journal of Climate</i> , 2018, 31, 2675-2698.	1.2	32

#	ARTICLE	IF	CITATIONS
782	Changes in sea ice cover and ice sheet extent at the Yermak Plateau during the last 160 ka â€“ Reconstructions from biomarker records. <i>Quaternary Science Reviews</i> , 2018, 182, 93-108.	1.4	43
783	How Do Marine Pelagic Species Respond to Climate Change? Theories and Observations. <i>Annual Review of Marine Science</i> , 2018, 10, 169-197.	5.1	91
784	Recent Rapid Decline of the Arctic Winter Sea Ice in the Barentsâ€“Kara Seas Owing to Combined Effects of the Ural Blocking and SST. <i>Journal of Meteorological Research</i> , 2018, 32, 191-202.	0.9	6
785	Reconstruction of Snow on Arctic Sea Ice. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3588-3602.	1.0	33
786	Atmospheric Circulation Patterns over East Asia and Their Connection with Summer Precipitation and Surface Air Temperature in Eastern China during 1961â€“2013. <i>Journal of Meteorological Research</i> , 2018, 32, 203-218.	0.9	17
787	A multi-species synthesis of satellite telemetry data in the Pacific Arctic (1987â€“2015): Overlap of marine mammal distributions and core use areas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 152, 132-153.	0.6	27
788	Changes in phytoplankton community structure during wind-induced fall bloom on the central Chukchi shelf. <i>Polar Biology</i> , 2018, 41, 1279-1295.	0.5	28
789	Contrasting Local and Remote Impacts of Surface Heating on Polar Warming and Amplification. <i>Journal of Climate</i> , 2018, 31, 3155-3166.	1.2	33
790	Impacts of early autumn Arctic sea ice concentration on subsequent spring Eurasian surface air temperature variations. <i>Climate Dynamics</i> , 2018, 51, 2523-2542.	1.7	53
791	Paleo-sea ice distribution and polynya variability on the Kara Sea shelf during the last 12,000 years. <i>Arktos</i> , 2018, 4, 1.	1.0	3
792	Seasonal and Regional Manifestation of Arctic Sea Ice Loss. <i>Journal of Climate</i> , 2018, 31, 4917-4932.	1.2	288
793	Narrowing the surface temperature range in CMIP5 simulations over the Arctic. <i>Theoretical and Applied Climatology</i> , 2018, 132, 1073-1088.	1.3	2
794	Frequency of spring dust weather in North China linked to sea ice variability in the Barents Sea. <i>Climate Dynamics</i> , 2018, 51, 4439-4450.	1.7	46
795	Observed and predicted effects of climate change on Arctic caribou and reindeer. <i>Environmental Reviews</i> , 2018, 26, 13-25.	2.1	84
796	Japan Meteorological Agency/Meteorological Research Institute-Coupled Prediction System version 2 (JMA/MRI-CPS2): atmosphereâ€“landâ€“oceanâ€“sea ice coupled prediction system for operational seasonal forecasting. <i>Climate Dynamics</i> , 2018, 50, 751-765.	1.7	54
797	Elucidating the Role of Anthropogenic Aerosols in Arctic Sea Ice Variations. <i>Journal of Climate</i> , 2018, 31, 99-114.	1.2	27
798	Long-term ecological changes in marine mammals driven by recent warming in northwestern Alaska. <i>Global Change Biology</i> , 2018, 24, 490-503.	4.2	29
799	Pan-Arctic distribution of the hydrozoan <i>Sympagohydra tuuli</i> ? First record in sea ice from Svalbard (European Arctic). <i>Polar Biology</i> , 2018, 41, 583-588.	0.5	8

#	ARTICLE	IF	CITATIONS
800	Examining the Impact of a Crude Oil Spill on the Permittivity Profile and Normalized Radar Cross Section of Young Sea Ice. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 921-936.	2.7	14
801	Spatio-temporal Variation of Arctic Sea Ice in Summer from 2003 to 2013. Chinese Geographical Science, 2018, 28, 38-46.	1.2	0
802	Does Global Warming Drive Changes in Arctic Sea Ice?. SSRN Electronic Journal, 0, , .	0.4	0
803	The potential of sea ice leads as a predictor for summer Arctic sea ice extent. Cryosphere, 2018, 12, 3747-3757.	1.5	20
804	Extreme Environments: The New Exploration/Production Oil Area Problem. , 2018, , 83-121.		0
805	Spatio-temporal variability of Arctic summer temperatures over the past 2 millennia. Climate of the Past, 2018, 14, 527-557.	1.3	27
806	Precursors of September Arctic Sea-Ice Extent Based on Causal Effect Networks. Atmosphere, 2018, 9, 437.	1.0	4
807	Evaluation of the atmosphereâ€œlandâ€œoceanâ€œsea ice interface processes in the Regional Arctic System Model version 1 (RASMI) using local and globally gridded observations. Geoscientific Model Development, 2018, 11, 4817-4841.	1.3	6
808	Impact of assimilating a merged sea-ice thickness from CryoSat-2 and SMOS in the Arctic reanalysis. Cryosphere, 2018, 12, 3671-3691.	1.5	37
809	Thermodynamic and dynamic ice thickness contributions in the Canadian Arctic Archipelago in NEMO-LIM2 numerical simulations. Cryosphere, 2018, 12, 1233-1247.	1.5	42
810	Impact of sea-ice reduction on the plankton community in the Pacific sector of the Arctic Ocean. Oceanography in Japan, 2018, 27, 217-230.	0.5	0
811	Interannual Variability of the Ice Cover and Primary Production of the Kara Sea. Oceanology, 2018, 58, 537-549.	0.3	1
812	Retrieval and Validation of Sea Ice Concentration from AMSR-E/AMSR2 in Polar Regions. , 2018, , .		1
813	Remote Sensing of Oil Spills in Freezing Environments at the University of Manitoba Sea-ice Environmental Research Facility. , 2018, , .		0
814	The VIIRS Sea-Ice Albedo Product Generation and Preliminary Validation. Remote Sensing, 2018, 10, 1826.	1.8	11
815	On the Effects of Increased Vertical Mixing on the Arctic Ocean and Sea Ice. Journal of Geophysical Research: Oceans, 2018, 123, 9266-9282.	1.0	20
816	Distribution of living benthic foraminifera in the northern Chukchi Sea. Arktos, 2018, 4, 1-15.	1.0	4
817	Deep-sea benthic communities and oxygen fluxes in the Arctic Fram Strait controlled by sea-ice cover and water depth. Biogeosciences, 2018, 15, 4849-4869.	1.3	19

#	ARTICLE	IF	CITATIONS
818	Tropical Decadal Variability and the Rate of Arctic Sea Ice Decrease. <i>Geophysical Research Letters</i> , 2018, 45, 11,326.	1.5	51
819	Polar Jet Associated Circulation Triggered a Saharan Cyclone and Derived the Poleward Transport of the African Dust Generated by the Cyclone. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,899.	1.2	33
820	Distribution of 210Pb and 210Po in the Arctic water column during the 2007 sea-ice minimum: Particle export in the ice-covered basins. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 142, 94-106.	0.6	8
821	The Earth Observing System (EOS). , 2018, , 7-26.		13
822	First in situ estimations of small phytoplankton carbon and nitrogen uptake rates in the Kara, Laptev, and East Siberian seas. <i>Biogeosciences</i> , 2018, 15, 5503-5517.	1.3	20
823	Synthesis of mycosporine-like amino acids by a size-fractionated marine phytoplankton community of the arctic beaufort sea. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 188, 87-94.	1.7	8
824	The Physical System of the Arctic Ocean and Subarctic Seas in a Changing Climate. , 2018, , 25-40.		2
825	Can pelagic ciliates indicate vertical variation in the water quality status of western Arctic pelagic ecosystems?. <i>Marine Pollution Bulletin</i> , 2018, 133, 182-190.	2.3	12
826	Inter-annual variation of the summer zooplankton community in the Chukchi Sea: spatial heterogeneity during a decade of rapid ice decline. <i>Polar Biology</i> , 2018, 41, 1827-1843.	0.5	14
827	Impact of Arctic shelf summer stratification on Holocene climate variability. <i>Quaternary Science Reviews</i> , 2018, 191, 229-237.	1.4	5
828	High resolution tidal model of Canadian Arctic Archipelago, Baffin and Hudson Bay. <i>Ocean Modelling</i> , 2018, 128, 15-47.	1.0	13
829	On the retrieval of sea ice thickness and snow depth using concurrent laser altimetry and L-band remote sensing data. <i>Cryosphere</i> , 2018, 12, 993-1012.	1.5	17
830	Intercomparison of Precipitation Estimates over the Arctic Ocean and Its Peripheral Seas from Reanalyses. <i>Journal of Climate</i> , 2018, 31, 8441-8462.	1.2	72
831	Effects of temperature and food availability on the survival and growth of larval Arctic cod (<i>Boreogadus saida</i>) and walleye pollock (<i>Gadus chalcogrammus</i>). <i>ICES Journal of Marine Science</i> , 2018, 75, 2386-2402.	1.2	36
832	Attribution of Arctic Sea Ice Decline from 1953 to 2012 to Influences from Natural, Greenhouse Gas, and Anthropogenic Aerosol Forcing. <i>Journal of Climate</i> , 2018, 31, 7771-7787.	1.2	18
833	In Situ Experimental Study of the Friction of Sea Ice and Steel on Sea Ice. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 675.	1.3	4
834	Improved Pleistocene sediment stratigraphy and paleoenvironmental implications for the western Arctic Ocean off the East Siberian and Chukchi margins. <i>Arktos</i> , 2018, 4, 1-20.	1.0	30
835	Statistical Analysis of SSMIS Sea Ice Concentration Threshold at the Arctic Sea Ice Edge during Summer Based on MODIS and Ship-Based Observational Data. <i>Sensors</i> , 2018, 18, 1109.	2.1	6

#	ARTICLE	IF	CITATIONS
836	Insights on Sea Ice Data Assimilation from Perfect Model Observing System Simulation Experiments. <i>Journal of Climate</i> , 2018, 31, 5911-5926.	1.2	23
837	Estimation of Annual Kara Sea Primary Production. <i>Oceanology</i> , 2018, 58, 369-380.	0.3	6
838	Reassessing Sea Ice Drift and Its Relationship to Long-Term Arctic Sea Ice Loss in Coupled Climate Models. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4338-4359.	1.0	26
839	Spatial and vertical variability of primary production in the Kara Sea in July and August 2016: the influence of the river plume and subsurface chlorophyll maxima. <i>Polar Biology</i> , 2018, 41, 563-578.	0.5	25
840	Vertical shift in ciliate body-size spectrum and its environmental drivers in western Arctic pelagic ecosystems. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19082-19091.	2.7	15
841	Regional disparities of phytoplankton in relation to environmental factors in the western Arctic Ocean during summer of 2010. <i>Acta Oceanologica Sinica</i> , 2018, 37, 109-121.	0.4	3
842	Impact of polar lows on synoptic scale variability of Atlantic inflow in the Fram Strait. <i>Acta Oceanologica Sinica</i> , 2018, 37, 42-50.	0.4	1
843	Climate events between 47.5 and 1 ka BP in glaciated terrain of the Ny-Alesund region, Arctic, using geomorphology and sedimentology of diversified morphological zones. <i>Polar Science</i> , 2018, 18, 123-134.	0.5	7
844	Warming in the Arctic Captured by productivity variability at an Arctic Fjord over the past two centuries. <i>PLoS ONE</i> , 2018, 13, e0201456.	1.1	13
845	Biodegradation of Crude Oil and Corexit 9500 in Arctic Seawater. <i>Frontiers in Microbiology</i> , 2018, 9, 1788.	1.5	51
846	Financial costs of conducting science in the Arctic: examples from seabird research. <i>Arctic Science</i> , 2018, 4, 624-633.	0.9	60
847	Summers with low Arctic sea ice linked to persistence of spring atmospheric circulation patterns. <i>Climate Dynamics</i> , 2019, 52, 2497-2512.	1.7	27
848	The Arctic's sea ice cover: trends, variability, predictability, and comparisons to the Antarctic. <i>Annals of the New York Academy of Sciences</i> , 2019, 1436, 36-53.	1.8	134
849	Unexpectedly high dimethyl sulfide concentration in high-latitude Arctic sea ice melt ponds. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1642-1649.	1.7	16
850	Radiative Control of the Interannual Variability of Arctic Sea Ice. <i>Geophysical Research Letters</i> , 2019, 46, 9899-9908.	1.5	17
851	An Optimal Decision-Tree Design Strategy and Its Application to Sea Ice Classification from SAR Imagery. <i>Remote Sensing</i> , 2019, 11, 1574.	1.8	25
852	Using Sea Surface Temperature Observations to Constrain Upper Ocean Properties in an Arctic Sea Ice Ocean Data Assimilation System. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4727-4743.	1.0	15
853	High cloud coverage over melted areas dominates the impact of clouds on the albedo feedback in the Arctic. <i>Scientific Reports</i> , 2019, 9, 9529.	1.6	33

#	ARTICLE	IF	CITATIONS
854	Vertical and geographic distribution of copepod communities at late summer in the Amerasian Basin, Arctic Ocean. PLoS ONE, 2019, 14, e0219319.	1.1	4
855	Formation of contrasting March surface air temperature trends in the eastern Bering Sea and the Sea of Okhotsk during 1979–2015. Theoretical and Applied Climatology, 2019, 137, 1467-1477.	1.3	0
856	Description and basic evaluation of simulated mean state, internal variability, and climate sensitivity in MIROC6. Geoscientific Model Development, 2019, 12, 2727-2765.	1.3	439
857	Comparison of ERA5 and ERA-Interim near-surface air temperature, snowfall and precipitation over Arctic sea ice: effects on sea ice thermodynamics and evolution. Cryosphere, 2019, 13, 1661-1679.	1.5	166
858	Arctic seabirds and shrinking sea ice: egg analyses reveal the importance of ice-derived resources. Scientific Reports, 2019, 9, 15405.	1.6	19
859	Winter Sea Ice Export From the Beaufort Sea as a Preconditioning Mechanism for Enhanced Summer Melt: A Case Study of 2016. Journal of Geophysical Research: Oceans, 2019, 124, 6575-6600.	1.0	25
860	Editorial: Paleoclimatographic Conditions in High Northern Latitudes During Quaternary Interglaciations. Frontiers in Earth Science, 2019, 7, .	0.8	1
861	Comparison of Passive Microwave Data with Shipborne Photographic Observations of Summer Sea Ice Concentration along an Arctic Cruise Path. Remote Sensing, 2019, 11, 2009.	1.8	6
862	Changes in the Thickness and Circulation of Multiyear Ice in the Beaufort Gyre Determined From Pseudo-Lagrangian Methods from 2003–2015. Journal of Geophysical Research: Oceans, 2019, 124, 5618-5633.	1.0	15
863	Assessing the Role of High-Frequency Winds and Sea Ice Loss on Arctic Phytoplankton Blooms in an Ice-Ocean Biogeochemical Model. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2728-2750.	1.3	19
864	Remote Sensing of Ice Phenology and Dynamics of Europe's Largest Coastal Lagoon (The Curonian) Tj ETQq0 0,0 rgBT /Overlock 10	1.8	10
865	Severe Marine Weather Systems During Freeze-Up in the Chukchi Sea: Cold-Air Outbreak and Mesocyclone Case Studies From Satellite Multisensor Measurements and Reanalysis Datasets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3208-3218.	2.3	4
866	What about the Arctic? The European Union's Geopolitical Quest for Northern Space. Geopolitics, 2021, 26, 1150-1174.	2.1	5
867	Potential Implications of Changing Photosynthetic End-Products of Phytoplankton Caused by Sea Ice Conditions in the Northern Chukchi Sea. Frontiers in Microbiology, 2019, 10, 2274.	1.5	4
868	Modeling the Recent Changes in the Arctic Ocean CO ₂ Sink (2006–2013). Global Biogeochemical Cycles, 2019, 33, 420-438.	1.9	28
869	A link of China warming hiatus with the winter sea ice loss in Barents–Kara Seas. Climate Dynamics, 2019, 53, 2625-2642.	1.7	25
870	Assessing the Contributions of Atmospheric/Meteoric Water and Sea Ice Meltwater and Their Influences on Geochemical Properties in Estuaries of the Canadian Arctic Archipelago. Estuaries and Coasts, 2019, 42, 1226-1248.	1.0	2
871	Inter-Annual Variability of Organic Carbon Concentration in the Eastern Fram Strait During Summer (2009–2017). Frontiers in Marine Science, 2019, 6, .	1.2	31

#	ARTICLE	IF	CITATIONS
872	Ice Surface Temperatures in the Arctic Region. , 2019, , 151-184.		4
873	IcePAC – a probabilistic tool to study sea ice spatio-temporal dynamics: application to the Hudson Bay area. Cryosphere, 2019, 13, 451-468.	1.5	2
874	Wave climate analysis in the ice-free waters of Kara Sea. Regional Studies in Marine Science, 2019, 30, 100719.	0.4	4
875	Micro-geographic population genetic structure within Arctic cod (<i>Boreogadus saida</i>) in Beaufort Sea of Alaska. ICES Journal of Marine Science, 2019, 76, 1713-1721.	1.2	15
876	Modeling seasonal onset of coastal ice. Climatic Change, 2019, 154, 125-141.	1.7	3
877	Thicker Clouds and Accelerated Arctic Sea Ice Decline: The Atmosphere–Sea Ice Interactions in Spring. Geophysical Research Letters, 2019, 46, 6980-6989.	1.5	47
878	Optical characterization of marine phytoplankton assemblages within surface waters of the western Arctic Ocean. Limnology and Oceanography, 2019, 64, 2478-2496.	1.6	19
879	Predictability of Chinese Summer Extreme Rainfall Based on Arctic Sea Ice and Tropical Sea Surface Temperature. Journal of Ocean University of China, 2019, 18, 626-632.	0.6	3
880	Transition Periods Between Sea Ice Concentration and Sea Surface Air Temperature in the Arctic Revealed by an Abnormal Running Correlation. Journal of Ocean University of China, 2019, 18, 633-642.	0.6	1
881	A Spring Barrier for Regional Predictions of Summer Arctic Sea Ice. Geophysical Research Letters, 2019, 46, 5937-5947.	1.5	29
882	Arctic Intense Summer Storms and Their Impacts on Sea Ice – A Regional Climate Modeling Study. Atmosphere, 2019, 10, 218.	1.0	16
883	Review of Methods to Retrieve Sea-Ice Parameters from Satellite Microwave Radiometer Data. Izvestiya - Atmospheric and Oceanic Physics, 2019, 55, 110-128.	0.2	7
884	Reexamination of Fram Strait sea ice export and its role in recently accelerated Arctic sea ice retreat. Climate Dynamics, 2019, 53, 1823-1841.	1.7	19
885	Modeling of climate tendencies in Arctic seas based on atmospheric forcing EOF decomposition. Ocean Dynamics, 2019, 69, 747-767.	0.9	8
886	Examining the physical processes of corn oil (medium crude oil surrogate) in sea ice and its resultant effect on complex permittivity and normalized radar cross-section. Marine Pollution Bulletin, 2019, 142, 484-493.	2.3	3
887	New Hydrographic Measurements of the Upper Arctic Western Eurasian Basin in 2017 Reveal Fresher Mixed Layer and Shallower Warm Layer Than 2005–2012 Climatology. Journal of Geophysical Research: Oceans, 2019, 124, 1091-1114.	1.0	18
888	Recent Strengthening of Greenland Blocking Drives Summertime Surface Warming over Northern Canada and Eastern Siberia. Journal of Climate, 2019, 32, 3263-3278.	1.2	10
889	Trait variation in extreme thermal environments under constant and fluctuating temperatures. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180177.	1.8	27

#	ARTICLE	IF	CITATIONS
890	Prioritization of landscape connectivity for the conservation of Peary caribou. <i>Ecology and Evolution</i> , 2019, 9, 2189-2205.	0.8	13
891	Spatio-temporal distribution of polar cod (<i>Boreogadus saida</i>) and saffron cod (<i>Eleginus gracilis</i>) early life stages in the Pacific Arctic. <i>Polar Biology</i> , 2019, 42, 969-990.	0.5	22
892	Towards normal Siberian winter temperatures?. <i>International Journal of Climatology</i> , 2019, 39, 4567-4574.	1.5	6
893	Arctic Sea Ice Classification Using Microwave Scatterometer and Radiometer Data During 2002â€“2017. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 5319-5328.	2.7	30
894	Regional response of winter snow cover over the Northern Eurasia to late autumn Arctic sea ice and associated mechanism. <i>Atmospheric Research</i> , 2019, 222, 100-113.	1.8	15
895	Modulation of Arctic Sea Ice Loss by Atmospheric Teleconnections from Atlantic Multidecadal Variability. <i>Journal of Climate</i> , 2019, 32, 1419-1441.	1.2	32
896	Biogeophysical feedback of phytoplankton on Arctic climate. Part II: Arctic warming amplified by interactive chlorophyll under greenhouse warming. <i>Climate Dynamics</i> , 2019, 53, 3167-3180.	1.7	12
897	An examination of trans-Arctic vessel routing in the Central Arctic Ocean. <i>Marine Policy</i> , 2019, 100, 83-89.	1.5	39
898	Arctic Deltas and Estuaries: A Canadian Perspective. , 2019, , 123-147.		6
899	Polycyclic Aromatic Hydrocarbons Not Declining in Arctic Air Despite Global Emission Reduction. <i>Environmental Science & Technology</i> , 2019, 53, 2375-2382.	4.6	88
900	Vertical Feedback Mechanism of Winter Arctic Amplification and Sea Ice Loss. <i>Scientific Reports</i> , 2019, 9, 1184.	1.6	33
901	Retrieval of Snow Depth over Arctic Sea Ice Using a Deep Neural Network. <i>Remote Sensing</i> , 2019, 11, 2864.	1.8	19
902	Has Russia heard about the European Unionâ€™s Arcticness? The EUâ€™s Arctic steps as seen from Russia. <i>Polar Record</i> , 2019, 55, 441-451.	0.4	3
903	Decadal changes in the leading patterns of sea level pressure in the Arctic and their impacts on the sea ice variability in boreal summer. <i>Cryosphere</i> , 2019, 13, 3007-3021.	1.5	9
904	Accuracy of Era-Interim Re-analysis Data on Some Atmospheric Parameters over Open Oceans, Estimated with the AMSR2 Data. , 2019, , .		1
905	Latitudinal Distributions and Controls of Bacterial Community Composition during the Summer of 2017 in Western Arctic Surface Waters (from the Bering Strait to the Chukchi Borderland). <i>Scientific Reports</i> , 2019, 9, 16822.	1.6	12
906	Climate change, contaminants, and country food: collaborating with communities to promote food security in the Arctic. , 2019, , 249-263.		5
907	Characterizing the influence of Atlantic water intrusion on water mass formation and phytoplankton distribution in Kongsfjorden, Svalbard. <i>Continental Shelf Research</i> , 2019, 191, 104005.	0.9	25

#	ARTICLE	IF	CITATIONS
908	Sea Ice Remote Sensing Using GNSS-R: A Review. <i>Remote Sensing</i> , 2019, 11, 2565.	1.8	31
909	Variability of Arctic Sea Ice (1979–2016). <i>Water (Switzerland)</i> , 2019, 11, 23.	1.2	11
910	The Asian Marginal and Enclosed Seas: An Overview. , 2019, , 3-38.		0
911	Arctic and Antarctic Sea Ice Change: Contrasts, Commonalities, and Causes. <i>Annual Review of Marine Science</i> , 2019, 11, 187-213.	5.1	71
912	Impact of Arctic sea ice variations on winter temperature anomalies in northern hemispheric land areas. <i>Climate Dynamics</i> , 2019, 52, 3111-3137.	1.7	29
913	Integrating snow science and wildlife ecology in Arctic-boreal North America. <i>Environmental Research Letters</i> , 2019, 14, 010401.	2.2	55
914	Regional variability of Arctic sea ice seasonal change climate indicators from a passive microwave climate data record. <i>Environmental Research Letters</i> , 2019, 14, 045003.	2.2	50
915	Horizontal and vertical distribution of polycystine radiolarians in the western Arctic Ocean during the late summers of 2013 and 2015. <i>Polar Biology</i> , 2019, 42, 285-305.	0.5	6
916	Kelp belt ecosystem response to a changing environment in Kongsfjorden (Spitsbergen). <i>Ocean and Coastal Management</i> , 2019, 167, 60-77.	2.0	7
917	Skill of Seasonal Arctic Sea Ice Extent Predictions Using the North American Multimodel Ensemble. <i>Journal of Climate</i> , 2019, 32, 623-638.	1.2	10
918	Satellite-observed trends in the Arctic sea ice concentration for the period 1979–2016. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 18-37.	0.6	38
919	Mechanistic model identifies increasing light availability due to sea ice reductions as cause for increasing macroalgae cover in the Arctic. <i>Limnology and Oceanography</i> , 2019, 64, 330-341.	1.6	14
920	Limited effects of changing prey fish communities on food quality for aquatic predators in the eastern Canadian Arctic in terms of essential fatty acids, methylmercury and selenium. <i>Chemosphere</i> , 2019, 214, 855-865.	4.2	21
921	2014 summer Arctic sea ice thickness and concentration from shipborne observations. <i>International Journal of Digital Earth</i> , 2019, 12, 931-947.	1.6	12
922	Estimation of background PM2.5 concentrations for an air-polluted environment. <i>Atmospheric Research</i> , 2020, 231, 104636.	1.8	8
923	Anomalous winter moisture transport associated with the recent surface warming over the Barents–Kara seas region since the mid-2000s. <i>International Journal of Climatology</i> , 2020, 40, 2497-2505.	1.5	11
924	Influence of winter Arctic sea ice concentration change on the El Niño–Southern Oscillation in the following winter. <i>Climate Dynamics</i> , 2020, 54, 741-757.	1.7	28
925	Satellite-based decadal change assessments of pan-Arctic environments. <i>Ambio</i> , 2020, 49, 820-832.	2.8	19

#	ARTICLE	IF	CITATIONS
926	Summer albedo variations in the Arctic Sea ice region from 1982 to 2015. <i>International Journal of Climatology</i> , 2020, 40, 3008-3020.	1.5	13
927	Space-Based Observations for Understanding Changes in the Arctic-Boreal Zone. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000652.	9.0	39
928	Impact of Arctic amplification on declining spring dust events in East Asia. <i>Climate Dynamics</i> , 2020, 54, 1913-1935.	1.7	39
929	Variability of sea ice area in the Bohai Sea from 1958 to 2015. <i>Science of the Total Environment</i> , 2020, 709, 136164.	3.9	18
930	Comparison of North Atlantic Oscillation-related changes in the North Atlantic sea ice and associated surface quantities on different time scales. <i>International Journal of Climatology</i> , 2020, 40, 2686-2701.	1.5	5
931	Evaporation From the Southern Ocean Estimated on the Basis of AIRS Satellite Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD030845.	1.2	9
932	Shipping alters the movement and behavior of Arctic cod (<i>Boreogadus saida</i>), a keystone fish in Arctic marine ecosystems. <i>Ecological Applications</i> , 2020, 30, e02050.	1.8	38
933	Effect of dissolution, evaporation, and photooxidation on crude oil chemical composition, dielectric properties and its radar signature in the Arctic environment.. <i>Marine Pollution Bulletin</i> , 2020, 151, 110629.	2.3	17
934	Applications of an unstructured grid surface wave model (FVCOM-SWAVE) to the Arctic Ocean: The interaction between ocean waves and sea ice. <i>Ocean Modelling</i> , 2020, 145, 101532.	1.0	18
935	Atmospheric Circulation Response to Short-Term Arctic Warming in an Idealized Model. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 531-549.	0.6	24
936	A Nonlinear Theory of Atmospheric Blocking: An Application to Greenland Blocking Changes Linked to Winter Arctic Sea Ice Loss. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 723-751.	0.6	18
937	The role of bias correction on subseasonal prediction of Arctic sea ice during summer 2018. <i>Acta Oceanologica Sinica</i> , 2020, 39, 50-59.	0.4	5
938	Role of atmospheric factors in forcing Arctic sea ice variability. <i>Acta Oceanologica Sinica</i> , 2020, 39, 60-72.	0.4	5
939	Holocene Interactions Between Glacier Retreat, Sea Ice Formation, and Atlantic Water Advection at the Inner Northeast Greenland Continental Shelf. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA004019.	1.3	28
940	Trends, abrupt shifts and interannual variability of the Arctic Wintertime Seasonal Sea Ice from 1979 to 2019. <i>Annals of Glaciology</i> , 2020, 61, 441-453.	2.8	7
941	Abundance, horizontal and vertical distribution of epipelagic ctenophores and scyphomedusae in the northern Bering Sea in summer 2017 and 2018: Quantification by underwater video imaging analysis. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 181-182, 104818.	0.6	4
942	Cloud-top temperature inversion derived from long-term radiosonde measurements at the ARM TWP and NSA sites. <i>Atmospheric Research</i> , 2020, 246, 105113.	1.8	4
943	Spatial and Temporal Variations of Arctic Sea Ice From 2002 to 2017. <i>Earth and Space Science</i> , 2020, 7, e2020EA001278.	1.1	8

#	ARTICLE	IF	CITATIONS
944	Sloth Bear (<i>Melursus ursinus</i>), 2020, , 99-109.		0
945	Human-Bear Conflicts at the Beginning of the Twenty-First Century: Patterns, Determinants, and Mitigation Measures. , 2020, , 213-226.		8
946	Principles of Human-Bear Conflict Management in Challenging Environments. , 2020, , 227-238.		0
947	Patterns of Bear Attacks on Humans, Factors Triggering Risky Scenarios, and How to Reduce Them. , 2020, , 239-249.		1
948	The Challenge of Brown Bear Management in Hokkaido, Japan. , 2020, , 349-355.		1
949	Human Dimensions of Asiatic Black Bear Conflicts and Management in Japan. , 2020, , 370-378.		0
951	Conservation and Management of Bears. , 2020, , 273-302.		0
952	Ecological and Social Dimensions of Sloth Bear Conservation in Sri Lanka. , 2020, , 379-386.		0
953	The Global Water Cycle. , 2020, , 433-451.		1
954	Early diagenesis and accumulation of redox-sensitive elements in East Siberian Arctic Shelves. <i>Marine Geology</i> , 2020, 429, 106309.	0.9	16
955	Biomarker Distributions in (Sub)Arctic Surface Sediments and Their Potential for Sea Ice Reconstructions. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008629.	1.0	16
956	Dominant Terms in the Freshwater and Heat Budgets of the Subpolar North Atlantic Ocean and Nordic Seas From 1992 to 2015. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016435.	1.0	8
957	Exponentially decaying modes and long-term prediction of sea ice concentration using Koopman mode decomposition. <i>Scientific Reports</i> , 2020, 10, 16313.	1.6	9
958	Mathematical modeling of Arctic sea ice freezing and melting based on nonlinear growth theory. <i>Continental Shelf Research</i> , 2020, 210, 104278.	0.9	5
959	Retrieval of Melt Pond Fraction over Arctic Sea Ice during 2000-2019 Using an Ensemble-Based Deep Neural Network. <i>Remote Sensing</i> , 2020, 12, 2746.	1.8	10
960	A decade of marine mammal acoustical presence and habitat preference in the Bering Sea. <i>Polar Biology</i> , 2020, 43, 1549-1569.	0.5	10
961	Feasibility study of miniature near-infrared spectrometer for the measurement of solar irradiance within Arctic snow-cover sea ice. <i>Acta Oceanologica Sinica</i> , 2020, 39, 115-124.	0.4	1
962	Adaptation of Willows in River Lowlands to Flooding under Arctic Amplification: Evidence from Nitrogen Content and Stable Isotope Dynamics. <i>Wetlands</i> , 2020, 40, 2413-2424.	0.7	1

#	ARTICLE	IF	CITATIONS
963	The impact of concurrent variation of atmospheric meridional heat transport in western Baffin Bay and eastern Greenland on summer Arctic sea ice. <i>Acta Oceanologica Sinica</i> , 2020, 39, 14-23.	0.4	3
964	Record high Pacific Arctic seawater temperatures and delayed sea ice advance in response to episodic atmospheric blocking. <i>Scientific Reports</i> , 2020, 10, 20830.	1.6	18
965	Probabilistic Forecasts of Sea Ice Trajectories in the Arctic: Impact of Uncertainties in Surface Wind and Ice Cohesion. <i>Oceans</i> , 2020, 1, 326-342.	0.6	6
966	Giant Panda (<i>Ailuropoda melanoleuca</i>). , 2020, , 63-77.		1
967	Physical and optical characteristics of sea ice in the Pacific Arctic Sector during the summer of 2018. <i>Acta Oceanologica Sinica</i> , 2020, 39, 25-37.	0.4	4
968	Temperature Inversion and Clouds Over the Arctic Ocean Observed by the 5th Chinese National Arctic Research Expedition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032136.	1.2	8
969	A 20-Year MODIS-Based Snow Cover Dataset for Svalbard and Its Link to Phenological Timing and Sea Ice Variability. <i>Remote Sensing</i> , 2020, 12, 1123.	1.8	19
970	Observation of Bottom-Trapped Topographic Rossby Waves on the Shelf Break of the Chukchi Sea. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015436.	1.0	2
971	Variability in fin whale (<i>Balaenoptera physalus</i>) occurrence in the Bering Strait and southern Chukchi Sea in relation to environmental factors. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 177, 104782.	0.6	7
972	Increasing importance of climate change and other threats to at-risk species in Canada. <i>Environmental Reviews</i> , 2020, 28, 449-456.	2.1	27
973	Review of spatial and inter-annual changes in the zooplankton community structure in the western Arctic Ocean during summers of 2008–2017. <i>Progress in Oceanography</i> , 2020, 186, 102391.	1.5	10
974	Interannual Variability of Primary Production in the Laptev Sea. <i>Oceanology</i> , 2020, 60, 50-61.	0.3	7
975	Summer Changes in Water Mass Characteristics and Vertical Thermohaline Structure in the Eastern Chukchi Sea, 1974–2017. <i>Water (Switzerland)</i> , 2020, 12, 1434.	1.2	6
976	Phytoplankton and dimethylsulfide dynamics at two contrasting Arctic ice edges. <i>Biogeosciences</i> , 2020, 17, 1557-1581.	1.3	7
977	An enhancement to sea ice motion and age products at the National Snow and Ice Data Center (NSIDC). <i>Cryosphere</i> , 2020, 14, 1519-1536.	1.5	101
978	Increased Transnational Sea Ice Transport Between Neighboring Arctic States in the 21 st Century. <i>Earth's Future</i> , 2020, 8, e2019EF001284.	2.4	5
979	Comparison of ice and wind-wave modules in WAVEWATCH III [®] in the Barents Sea. <i>Cold Regions Science and Technology</i> , 2020, 172, 103008.	1.6	6
980	Arctic Sea Ice Loss as a Potential Trigger for Central Pacific El Niño Events. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087028.	1.5	16

#	ARTICLE	IF	CITATIONS
981	Mitochondrial genome diversity and population mitogenomics of polar cod (<i>Boreogadus saida</i>) and Arctic dwelling gadoids. <i>Polar Biology</i> , 2020, 43, 979-994.	0.5	7
982	Variability in Benthic Ecosystem Functioning in Arctic Shelf and Deep-Sea Sediments: Assessments by Benthic Oxygen Uptake Rates and Environmental Drivers. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	1
983	Prolonged Periodicity and Eastward Shift of the January North Pacific Oscillation Since the Mid-1990s and Its Linkage With Sea Ice Anomalies in the Barents Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032484.	1.2	9
984	Minor and trace elements in skeletons of Arctic echinoderms. <i>Marine Pollution Bulletin</i> , 2020, 158, 111377.	2.3	4
985	Interplay of regional oceanography and biogeochemistry on phytoplankton bloom development in an Arctic fjord. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 243, 106916.	0.9	5
986	Nonstationary Teleconnection Between the Pacific Ocean and Arctic Sea Ice. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085666.	1.5	24
987	Impact of Sea Ice on the Hydrodynamics and Suspended Sediment Concentration in the Coastal Waters of Qinhuangdao, China. <i>Water (Switzerland)</i> , 2020, 12, 611.	1.2	0
988	Analysis of Intraseasonal Oscillation Characteristics of Arctic Summer Sea Ice. <i>Geophysical Research Letters</i> , 2020, 47, no.	1.5	3
989	A viscoelastic integral formulation and numerical implementation of an isotropic constitutive model of saline ice. <i>Cold Regions Science and Technology</i> , 2020, 171, 102983.	1.6	4
990	Seafloor biodiversity of Canada's three oceans: Patterns, hotspots and potential drivers. <i>Diversity and Distributions</i> , 2020, 26, 226-241.	1.9	13
991	Impacts of Temperature, CO ₂ , and Salinity on Phytoplankton Community Composition in the Western Arctic Ocean. <i>Frontiers in Marine Science</i> , 2020, 6, .	1.2	38
992	Krill diel vertical migration: A diagnostic for variability of wind forcing over the Beaufort and Chukchi Seas. <i>Progress in Oceanography</i> , 2020, 181, 102265.	1.5	10
993	Ontogenetic changes in the buoyancy and salinity tolerance of eggs and larvae of polar cod (<i>Boreogadus saida</i>) and other gadids. <i>Polar Biology</i> , 2020, 43, 1141-1158.	0.5	18
994	Developing a passive acoustic monitoring technique for Australia's most numerous seabird, the Short-tailed Shearwater (<i>Ardenna tenuirostris</i>). <i>Emu</i> , 2020, 120, 123-134.	0.2	9
995	Sea-floor and sea-ice conditions in the western Weddell Sea, Antarctica, around the wreck of Sir Ernest Shackleton's <i>Endurance</i> . <i>Antarctic Science</i> , 2020, 32, 301-313.	0.5	6
996	Experimental study on surface wave modifications by different ice covers. <i>Cold Regions Science and Technology</i> , 2020, 174, 103042.	1.6	13
997	The Arctic sea ice extent change connected to Pacific decadal variability. <i>Cryosphere</i> , 2020, 14, 693-708.	1.5	14
998	Evaluation of land-atmosphere processes of the Polar WRF in the summertime Arctic tundra. <i>Atmospheric Research</i> , 2020, 240, 104946.	1.8	0

#	ARTICLE	IF	CITATIONS
999	Classification of Sea Ice Summer Melt Features in High-Resolution IceBridge Imagery. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015738.	1.0	14
1000	Simulation of long-term direct aerosol radiative forcing over the arctic within the framework of the iAREA project. <i>Atmospheric Environment</i> , 2021, 244, 117882.	1.9	8
1002	Influences of size structure and post-bloom supply of phytoplankton on body size variations in a common Pacific Arctic bivalve (<i>Macoma calcareo</i>). <i>Polar Science</i> , 2021, 27, 100554.	0.5	0
1003	Ruins of the Anthropocene: The Aesthetics of Arctic Climate Change. <i>Annals of the American Association of Geographers</i> , 2021, 111, 921-931.	1.5	8
1004	Spatio-temporal change and variability of Barents-Kara sea ice, in the Arctic: Ocean and atmospheric implications. <i>Science of the Total Environment</i> , 2021, 753, 142046.	3.9	27
1005	Extending the Arctic sea ice freeboard and sea level record with the Sentinel-3 radar altimeters. <i>Advances in Space Research</i> , 2021, 68, 711-723.	1.2	15
1006	Prey selection of polar bears in Foxe Basin, NU, Canada: evidence of dietary flexibility in a specialized predator. <i>Oxford Open Climate Change</i> , 2021, 1, .	0.6	2
1007	Group 2i Isochrysidales produce characteristic alkenones reflecting sea ice distribution. <i>Nature Communications</i> , 2021, 12, 15.	5.8	33
1008	Intercomparison of Arctic Sea Ice Backscatter and Ice Type Classification Using Ku-Band and C-Band Scatterometers. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-18.	2.7	7
1009	Summertime atmosphere-sea ice coupling in the Arctic simulated by CMIP5/6 models: Importance of large-scale circulation. <i>Climate Dynamics</i> , 2021, 56, 1467-1485.	1.7	17
1010	Limited vocal compensation for elevated ambient noise in bearded seals: implications for an industrializing Arctic Ocean. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202712.	1.2	11
1011	Uncertainty in Forced and Natural Arctic Solar Absorption Variations in CMIP6 Models. <i>Journal of Climate</i> , 2021, 34, 931-948.	1.2	6
1012	Multi-Aspect Assessment of CMIP6 Models for Arctic Sea Ice Simulation. <i>Journal of Climate</i> , 2021, 34, 1515-1529.	1.2	20
1013	Assessment of decadal variability in sea ice in the Community Earth System Model against a long-term regional observational record: implications for the predictability of an ice-free Arctic. <i>Journal of Climate</i> , 2021, . .	1.2	4
1014	Development and Calibration of Seasonal Probabilistic Forecasts of Ice-Free Dates and Freeze-Up Dates. <i>Weather and Forecasting</i> , 2021, 36, 301-324.	0.5	3
1015	Decadal phase shift of summertime Arctic dipole pattern and its nonlinear effect on sea ice extent. <i>International Journal of Climatology</i> , 2021, 41, 4732-4742.	1.5	5
1016	Enrichment of Trace Metals (V, Cu, Co, Ni, and Mo) in Arctic Sediments—From Siberian Arctic Shelves to the Basin. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016960.	1.0	7
1017	Dominant Characteristics of Early Autumn Arctic Sea Ice Variability and Its Impact on Winter Eurasian Climate. <i>Journal of Climate</i> , 2021, 34, 1825-1846.	1.2	35

#	ARTICLE	IF	CITATIONS
1018	Evidence for an increasing role of ocean heat in Arctic winter sea ice growth. <i>Journal of Climate</i> , 2021, , 1-42.	1.2	22
1019	The Relationship between Melt Season Sea Ice over the Bering Sea and Summer Precipitation over Mid-Latitude East Asia. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 918-930.	1.9	9
1020	An Research on the design and optimization of shipping routes in the Arctic. <i>Journal of Physics: Conference Series</i> , 2021, 1848, 012138.	0.3	1
1021	Surface Freshwater Fluxes in the Arctic and Subarctic Seas during Contrasting Years of High and Low Summer Sea Ice Extent. <i>Remote Sensing</i> , 2021, 13, 1570.	1.8	5
1023	Assessing the current and future Arctic Ocean observing system with observing system simulating experiments. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 2670-2690.	1.0	3
1024	Probabilistic forecasting of the Arctic sea ice edge with contour modeling. <i>Annals of Applied Statistics</i> , 2021, 15, .	0.5	5
1025	The Scientific Legacy of NASA's Operation IceBridge. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000712.	9.0	49
1026	Relationship between Arctic Sea Ice in Autumn and Subsequent July Air Temperature over East Asia and the Western North Pacific. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2022, 58, 197-205.	1.3	1
1027	Climatology of Northern Hemisphere Cryosphere. <i>International Journal of Climatology</i> , 0, , .	1.5	2
1028	Warming amplification over the Arctic Pole and Third Pole: Trends, mechanisms and consequences. <i>Earth-Science Reviews</i> , 2021, 217, 103625.	4.0	157
1029	Impact of Greenland blocking on midlatitude extreme cold weather: Modulation of Arctic sea ice in western Greenland. <i>Science China Earth Sciences</i> , 2021, 64, 1065-1079.	2.3	5
1030	Retrieval of daily sea ice thickness from AMSR2 passive microwave data using ensemble convolutional neural networks. <i>GIScience and Remote Sensing</i> , 2021, 58, 812-830.	2.4	8
1031	Analysis of Sea Ice Timing and Navigability along the Arctic Northeast Passage from 2000 to 2019. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 728.	1.2	6
1032	Revisiting Trans-Arctic Maritime Navigability in 2011–2016 from the Perspective of Sea Ice Thickness. <i>Remote Sensing</i> , 2021, 13, 2766.	1.8	8
1033	Modeling the dispersal of polar cod (<i>Boreogadus saida</i>) and saffron cod (<i>Eleginus gracilis</i>) early life stages in the Pacific Arctic using a biophysical transport model. <i>Progress in Oceanography</i> , 2021, 196, 102571.	1.5	14
1034	Weekly Mapping of Sea Ice Freeboard in the Ross Sea from ICESat-2. <i>Remote Sensing</i> , 2021, 13, 3277.	1.8	4
1035	Analyzing the effects of sea ice melting and atmospheric heat transport on the warming around arctic based on comparable analysis and coupling modes. <i>Atmospheric Research</i> , 2021, 258, 105630.	1.8	0
1036	Variability in black carbon mass concentration in surface snow at Svalbard. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12479-12493.	1.9	3

#	ARTICLE	IF	CITATIONS
1037	Increasing confidence in projecting the Arctic ice-free year with emergent constraints. <i>Environmental Research Letters</i> , 2021, 16, 094016.	2.2	12
1038	New evaluation of species-specific biogenic silica flux of radiolarians (Rhizaria) in the western Arctic Ocean using microfocal X-ray computed tomography. <i>Limnology and Oceanography</i> , 2021, 66, 3901-3915.	1.6	1
1039	Different climatic effects of the Arctic and Antarctic ice covers on land surface temperature in the Northern Hemisphere: application of Liang-Kleeman information flow method and CAM4.0. <i>Climate Dynamics</i> , 2022, 58, 1237-1255.	1.7	6
1040	Determination of the Sun-Climate Relationship Using Empirical Mathematical Models for Climate Data Sets. <i>Earth and Space Science</i> , 2021, 8, e2019EA001015.	1.1	0
1041	Spatial Patterns of Macromolecular Composition of Phytoplankton in the Arctic Ocean. <i>Water (Switzerland)</i> , 2021, 13, 2495.	1.2	2
1042	Influence of Melt Ponds on the SSMIS-Based Summer Sea Ice Concentrations in the Arctic. <i>Remote Sensing</i> , 2021, 13, 3882.	1.8	1
1043	Impacts of global warming on marine microbial communities. <i>Science of the Total Environment</i> , 2021, 791, 147905.	3.9	47
1044	Cross-calibration of brightness temperature obtained by FY-3B/MWRI using Aqua/AMSR-E data for snow depth retrieval in the Arctic. <i>Acta Oceanologica Sinica</i> , 2021, 40, 43-53.	0.4	7
1046	Sea Ice Concentration and Extent. <i>Encyclopedia of Earth Sciences Series</i> , 2014, , 727-743.	0.1	3
1047	Variability of Surface Temperature and Albedo. <i>Atmospheric and Oceanographic Sciences Library</i> , 2010, , 223-294.	0.1	2
1048	Characteristics and Variability of the Sea Ice Cover. <i>Atmospheric and Oceanographic Sciences Library</i> , 2010, , 295-363.	0.1	3
1049	Classification of CryoSat-2 Radar Echoes. <i>Springer Earth System Sciences</i> , 2015, , 149-158.	0.1	5
1050	Alaskan Regional Climate Changes in Dynamically Downscaled CMIP5 Simulations. , 2016, , 47-60.		1
1051	Satellite Altimetry Applications in the Barents and White Seas. , 2011, , 389-415.		4
1052	The TUNU-Programme: Euro-Arctic Marine Fishes' Diversity and Adaptation. , 2012, , 35-50.		55
1053	Assessing the Shorefast Ice: Inupiat Whaling Trails off Barrow, Alaska. , 2010, , 203-228.		11
1054	Cumulative Effects of Rapid Land-Cover and Land-Use Changes on the Yamal Peninsula, Russia. , 2010, , 207-236.		15
1055	Vulnerability of Community Infrastructure to Climate Change in Nunavut: A Case Study From Arctic Bay. , 2010, , 107-130.		7

#	ARTICLE	IF	CITATIONS
1056	Conclusion and Perspectives: Sea Ice Drift, Deformation and Fracturing in a Changing Arctic. SpringerBriefs in Earth Sciences, 2013, , 73-83.	0.5	1
1057	Recent Variability in Sea Ice Cover, Age, and Thickness in the Pacific Arctic Region. , 2014, , 31-63.		25
1058	Abrupt Climate Changes and Emerging Ice-Ocean Processes in the Pacific Arctic Region and the Bering Sea. , 2014, , 65-99.		14
1059	The Surface Mass Balance of the Ward Hunt Ice Shelf and Ward Hunt Ice Rise, Ellesmere Island, Nunavut, Canada. Springer Polar Sciences, 2017, , 149-183.	0.0	10
1060	Holocene History of Arctic Ice Shelves. Springer Polar Sciences, 2017, , 185-205.	0.0	9
1061	Review of Climate Change in the Arctic. Energy Procedia, 2011, 11, 2466-2473.	1.8	1
1063	Mating Strategies. , 2020, , 21-35.		2
1064	Brown Bear (<i>Ursus arctos</i> ; North America). , 2020, , 162-195.		7
1065	Sea ice conditions and navigability through the Northeast Passage in the past 40 years based on remote-sensing data. International Journal of Digital Earth, 2021, 14, 555-574.	1.6	18
1066	Relationships between declining summer sea ice, increasing temperatures and changing vegetation in the Siberian Arctic tundra from MODIS time series (2000â€“11). Environmental Research Letters, 2012, 7, 044028.	2.2	38
1067	Wind amplifies the polar sea ice retreat. Environmental Research Letters, 2020, 15, 124022.	2.2	22
1068	Numerical study of solitary wave attenuation in a fragmented ice sheet. Physical Review Fluids, 2017, 2, .	1.0	18
1070	Variations of the Mid-Pacific Trough and Their Relations to the Asianâ€“Pacificâ€“North American Climate: Roles of Tropical Sea Surface Temperature and Arctic Sea Ice. Journal of Climate, 2018, 31, 2233-2252.	1.2	6
1071	Analyzing the Arctic Feedback Mechanism between Sea Ice and Low-Level Clouds Using 34 Years of Satellite Observations. Journal of Climate, 2020, 33, 7479-7501.	1.2	17
1072	Severe Cold Winter in North America Linked to Bering Sea Ice Loss. Journal of Climate, 2020, 33, 8069-8085.	1.2	8
1073	Decadal Regime Shift of Arctic Sea Ice and Corresponding Changes of Extreme Low Temperature. Climate Change Research Letters, 2014, 03, 39-45.	0.0	5
1074	Air-sea interactions in the marginal ice zone. Elementa, 2016, 4, .	1.1	28
1075	Forecasting the Major Influences of Predation and Environment on Cod Recovery in the Northern Gulf of St. Lawrence. PLoS ONE, 2014, 9, e82836.	1.1	6

#	ARTICLE	IF	CITATIONS
1076	Diversity, Abundance and Community Structure of Benthic Macro- and Megafauna on the Beaufort Shelf and Slope. PLoS ONE, 2014, 9, e101556.	1.1	20
1077	Analysis on Winter Atmospheric Variability Related to Arctic Warming. Atmosphere, 2014, 24, 131-140.	0.3	5
1078	Sea-Ice System Services: A Framework to Help Identify and Meet Information Needs Relevant for Observing Networks. Arctic, 2009, 62, .	0.2	78
1079	An Improved Method of Documenting Activity Patterns of Post-Emergence Polar Bears (<i>Ursus) Tj ETQq1 1 0.784314 ygBT /Over	0.2	5
1080	Seasonal Movements and Diving of Ringed Seals, <i>Pusa hispida</i>, in the Western Canadian Arctic, 1999â€“2001 and 2010â€“11. Arctic, 2015, 68, 193.	0.2	29
1081	Trends in Polar Sea Ice Extent 1979-2015. SSRN Electronic Journal, 0, , .	0.4	5
1082	Trends in the Summer Northern Annular Mode and Arctic Sea Ice. Scientific Online Letters on the Atmosphere, 2010, 6, 41-44.	0.6	20
1084	The Recent Decline of the Arctic Summer Sea-Ice Cover in the Context of Internal Climate Variability. The Open Atmospheric Science Journal, 2008, 2, 91-100.	0.5	8
1086	Late summer phytoplankton distribution along a 3500 km transect in Canadian Arctic waters: strong numerical dominance by picoeukaryotes. Aquatic Microbial Ecology, 2009, 54, 55-70.	0.9	138
1087	Phytoplankton biomass and production in the southeastern Beaufort Sea in autumn 2002 and 2003. Marine Ecology - Progress Series, 2009, 377, 63-77.	0.9	68
1088	Sea ice and polar bear den ecology at HopenÅIsland, Svalbard. Marine Ecology - Progress Series, 2011, 441, 273-279.	0.9	84
1089	Combined effects of increased UV-B and temperature on the pigment-determined marine phytoplankton community of the St. Lawrence Estuary. Marine Ecology - Progress Series, 2012, 445, 219-234.	0.9	12
1090	Importance of fast ice and glacier fronts for female polar bears and their cubs during spring in Svalbard, Norway. Marine Ecology - Progress Series, 2012, 447, 289-304.	0.9	74
1091	Role of environmental factors on phytoplankton bloom initiation under landfast sea ice in Resolute Passage, Canada. Marine Ecology - Progress Series, 2014, 497, 39-49.	0.9	92
1092	Trophic role and top-down control of a subarctic protozooplankton community. Marine Ecology - Progress Series, 2014, 500, 67-82.	0.9	19
1093	Spatial and temporal distribution of planktonic protists in the East Greenland fjord and offshore waters. Marine Ecology - Progress Series, 2015, 538, 99-116.	0.9	17
1094	Spring production of mycosporine-like amino acids and other UV-absorbing compounds in sea ice-associated algae communities in the Canadian Arctic. Marine Ecology - Progress Series, 2015, 541, 91-104.	0.9	20
1095	Cell viability, pigments and photosynthetic performance of Arctic phytoplankton in contrasting ice-covered and open-water conditions during the spring-summer transition. Marine Ecology - Progress Series, 2016, 543, 89-106.	0.9	26

#	ARTICLE	IF	CITATIONS
1096	Sea ice origin and sea ice retreat as possible drivers of variability in Arctic marine protist composition. <i>Marine Ecology - Progress Series</i> , 2017, 571, 43-57.	0.9	18
1098	Atmospheric energy transport to the Arctic 1979–2012. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 67, 25482.	0.8	8
1099	Change in Sea Ice Cover is Responsible for Non-Uniform Variation in Winter Temperature over East Asia. , 0, .		4
1100	A Review on Extraction of Lakes from Remotely Sensed Optical Satellite Data with a Special Focus on Cryospheric Lakes. <i>Advances in Remote Sensing</i> , 2015, 04, 196-213.	0.2	60
1101	The Climate Change Impact on Russia's Wind Energy Resource: Current Areas of Research. <i>Energy and Power Engineering</i> , 2014, 06, 371-385.	0.5	4
1125	Atmospheric observations made at Oliktok Point, Alaska, as part of the Profiling at Oliktok Point to Enhance YOPP Experiments (POPEYE) campaign. <i>Earth System Science Data</i> , 2019, 11, 1349-1362.	3.7	12
1126	Near-ice hydrographic data from Seaglider missions in the western Greenland Sea in summer 2014 and 2015. <i>Earth System Science Data</i> , 2019, 11, 895-920.	3.7	2
1130	Changes of the Arctic marginal ice zone during the satellite era. <i>Cryosphere</i> , 2020, 14, 1971-1984.	1.5	29
1131	Spectral attenuation of ocean waves in pack ice and its application in calibrating viscoelastic wave-in-ice models. <i>Cryosphere</i> , 2020, 14, 2053-2069.	1.5	8
1132	Clouds damp the radiative impacts of polar sea ice loss. <i>Cryosphere</i> , 2020, 14, 2673-2686.	1.5	19
1133	Diagnosing the extreme surface melt event over southwestern Greenland in 2007. <i>Cryosphere</i> , 2008, 2, 159-166.	1.5	64
1134	The annual surface energy budget of a high-arctic permafrost site on Svalbard, Norway. <i>Cryosphere</i> , 2009, 3, 245-263.	1.5	104
1143	Atmospheric hydrological cycles in the Arctic and Antarctic during the past four decades. <i>Czech Polar Reports</i> , 2017, 7, 169-180.	0.2	6
1144	Relationship between sea ice concentration and sea ice albedo over Antarctica. <i>Korean Journal of Remote Sensing</i> , 2015, 31, 347-351.	0.4	5
1145	CryoSat-2 Significant Wave Height in Polar Oceans Derived Using a Semi-Analytical Model of Synthetic Aperture Radar 2011–2019. <i>Remote Sensing</i> , 2021, 13, 4166.	1.8	3
1146	Spatial and Temporal Variations of Aragonite Saturation States in the Surface Waters of the Western Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017738.	1.0	2
1147	Sea ice extents continue to set new records: Arctic, Antarctic, and global results. <i>Remote Sensing of Environment</i> , 2021, 267, 112753.	4.6	46
1149	A new PAGES Working Group: Arctic2k - Arctic climate during the last 2 millennia. <i>PAGES News</i> , 2008, 13, 37-38.	0.3	0

#	ARTICLE	IF	CITATIONS
1153	Decadal Changes, Correlations, and Trends. Atmospheric and Oceanographic Sciences Library, 2010, , 449-495.	0.1	0
1154	Variability of Surface Pressure, Winds, and Clouds. Atmospheric and Oceanographic Sciences Library, 2010, , 181-221.	0.1	1
1156	Variability of Phytoplankton Pigment Concentrations and Primary Productivity. Atmospheric and Oceanographic Sciences Library, 2010, , 403-447.	0.1	0
1157	A COUPLED REGIONAL ARCTIC SEA ICE-OCEAN MODEL:CONFIGURATION AND APPLICATION. Chinese Journal of Polar Research, 2010, 22, .	0.0	0
1158	Non-stationary drivers of polar sea ice area. Natural Science, 2011, 03, 351-358.	0.2	1
1159	Error Analysis of Satellite Imagery for Sea Surface Temperature in the High School Science Textbooks and Responses of Pre-service Teachers. Journal of the Korean Earth Science Society, 2011, 32, 809-831.	0.0	0
1161	Using Remote Sensing in Atmospheric Applications. SpringerBriefs in Space Development, 2012, , 81-94.	0.1	0
1162	Arctic Sea Ice Decline. , 0, , .		1
1168	Sea Ice Fracturing. SpringerBriefs in Earth Sciences, 2013, , 53-72.	0.5	0
1169	Climate-Driven Physical and Chemical Changes in Marine Ecosystems. , 2013, , 7-34.		1
1171	Arctic Climate and Water Change: Model and Observation Relevance for Assessment and Adaptation. Space Sciences Series of ISSI, 2013, , 853-877.	0.0	0
1172	Classification for Landfast Ice Types in the Greenland of the Arctic by Using Multifrequency SAR Images. Korean Journal of Remote Sensing, 2013, 29, 1-9.	0.4	1
1176	Satellite Observations of North American Climate Change. Regional Climate Studies, 2014, , 95-165.	1.2	3
1177	Influences of atmospheric and oceanic low-frequency climate fluctuations on European winter surface air temperatures (1870-2010). Climate Research, 2014, 59, 117-124.	0.4	0
1179	New Methods in the Reconstruction of Arctic Marine Palaeoenvironments. GeoPlanet: Earth and Planetary Sciences, 2015, , 127-148.	0.2	0
1181	Short Communication: Atmospheric moisture transport, the bridge between ocean evaporation and Arctic ice melting. , 0, , .		0
1185	GLOBAL CHANGES IN THE SEA ICE COVER AND ASSOCIATED SURFACE TEMPERATURE CHANGES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 469-479.	0.2	1
1186	Abnormal Winter Melting of the Arctic Sea Ice Cap Observed by the Spaceborne Passive Microwave Sensors. Journal of Astronomy and Space Sciences, 2016, 33, 305-311.	0.3	3

#	ARTICLE	IF	CITATIONS
1187	Investigations of the Primary Production Dynamics in the Atlantic and Arctic Oceans. Springer Remote Sensing/photogrammetry, 2017, , 141-156.	0.4	0
1188	Distribution of pelagic phytoplankton-derived lipid biomarkers along a transect from the East Sea to the Bering Sea: insights into their suitability as open-water indicators. Journal of the Geological Society of Korea, 2017, 53, 545-554.	0.3	0
1190	The Relationship between Arctic Sea Ice Anomalies and Atmospheric Circulation in the Autumn and Winter of 2016-2017. Climate Change Research Letters, 2019, 08, 453-460.	0.0	0
1191	Decadal Variation of Sea Ice Melting-Frozen Season in the Pacific Sector of the Arctic. Climate Change Research Letters, 2019, 08, 302-311.	0.0	2
1194	Marginal Ice Zone and Ice-Air-Ocean Interactions. Springer Polar Sciences, 2020, , 57-91.	0.0	0
1195	Changes in Arctic Sea Ice Cover in the Twentieth and Twenty-First Centuries. Springer Polar Sciences, 2020, , 93-166.	0.0	1
1196	Current and Projected Sea Ice in the Arctic in the Twenty-First Century. Springer Polar Sciences, 2020, , 399-463.	0.0	4
1197	Temporal and Spatial Variations of the Surface Temperature and Salinity in the Amundsen Gulf and the Beaufort Sea in the Canadian Arctic Ocean. UqyÄnÄ«s/shinÄsÄ«, 2019, 10, 89-100.	0.1	0
1198	Analysis of the Spatial and Temporal Variation of Sea Ice and Connectivity in the NEP of the Arctic in Summer in Hot Years. Journal of Marine Science and Engineering, 2021, 9, 1177.	1.2	1
1199	Annual variation of oceanographic conditions changed migration timing of bowhead whales Balaena mysticetus in the southern Chukchi Sea. Polar Biology, 2021, 44, 2289-2298.	0.5	7
1200	Sea Ice in a Climate Change Context. Springer Polar Sciences, 2020, , 103-130.	0.0	0
1201	A Climatological Overview of Arctic Clouds. Springer Polar Sciences, 2020, , 331-360.	0.0	4
1202	Seasonal Analysis of Atmospheric Changes in Hudson Bay during 1998-2018. American Journal of Climate Change, 2020, 09, 100-122.	0.5	4
1203	The Kara Sea flaw polynya characteristics derived from satellite microwave measurements of sea ice concentration. Sovremennye Problemy Distantionnogo Zondirovaniya Zemli Iz Kosmosa, 2020, 17, 203-214.	0.1	3
1205	Marine Heatwaves in Siberian Arctic Seas and Adjacent Region. Remote Sensing, 2021, 13, 4436.	1.8	11
1206	Sea ice in the northern North Atlantic through the Holocene: Evidence from ice cores and marine sediment records. Quaternary Science Reviews, 2021, 273, 107249.	1.4	3
1208	Impact of the ice thickness distribution discretization on the sea ice concentration variability in the NEMO3.6Ä«LIM3 global oceanÄ«sea ice model. Geoscientific Model Development, 2020, 13, 4773-4787.	1.3	8
1209	Ä«HESS-BREZOWSKYÄ«™ ATMOSPHERIC CLASSIFICATION TYPES ASSOCIATED WITH NAO AND AO PHASES IN THE NORTHERN PART OF MOLDOVA. Present Environment and Sustainable Development, 2020, 14, 176-191.	0.1	0

#	ARTICLE	IF	CITATIONS
1211	Systematics, Evolution, and Genetics of Bears. , 2020, , 3-20.		0
1212	Interspecific Interactions between Brown Bears, Ungulates, and Other Large Carnivores. , 2020, , 36-44.		2
1213	Adaptations and Competitive Interactions of Tropical Asian Bear Species Define Their Biogeography: Past, Present, and Future. , 2020, , 45-52.		1
1214	Remarkable Adaptations of the American Black Bear Help Explain Why it is the Most Common Bear: A Long-Term Study from the Center of its Range. , 2020, , 53-62.		3
1215	Andean Bear (<i>Tremarctos ornatus</i>). , 2020, , 78-87.		1
1216	Sun Bear (<i>Helarctos malayanus</i>). , 2020, , 88-98.		1
1217	Asiatic Black Bear (<i>Ursus thibetanus</i>). , 2020, , 110-121.		2
1218	American Black Bear (<i>Ursus americanus</i>). , 2020, , 122-138.		7
1219	Brown Bear (<i>Ursus arctos</i> ; Eurasia). , 2020, , 139-161.		8
1220	Polar Bear (<i>Ursus maritimus</i>). , 2020, , 196-212.		0
1221	Effects of Human Disturbance on Brown Bear Behavior. , 2020, , 250-259.		2
1222	Bears in Human-Modified Landscapes: The Case Studies of the Cantabrian, Apennine, and Pindos Mountains. , 2020, , 260-272.		5
1223	How Is Climate Change Affecting Polar Bears and Giant Pandas?. , 2020, , 303-316.		0
1224	Managing for Interpopulation Connectivity of the World's Bear Species. , 2020, , 317-337.		0
1225	<i>Ex Situ</i> Conservation of Bears: Roles, Status, and Management. , 2020, , 338-348.		0
1226	Potential Ecological Corridors for Remnant Asiatic Black Bear Populations and its Subpopulations Linked to Management Units in Japan. , 2020, , 356-363.		0
1227	Captive Bears in Asia: Implications for Animal Welfare and Conservation. , 2020, , 364-369.		0
1230	Optical properties and surface energy flux of spring fast ice in the Arctic. <i>Acta Oceanologica Sinica</i> , 2021, 40, 84-96.	0.4	2

#	ARTICLE	IF	CITATIONS
1231	Interspecific differences in feeding selectivity shape isotopic niche structure of three ophiuroids in the Arctic Ocean. <i>Marine Ecology - Progress Series</i> , 2022, 683, 81-95.	0.9	2
1232	Investigating Changes of the Siberian High During 1970-2020 Period and its Effects on the Mediterranean Cyclones. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1233	Processes controlling aggregate formation and distribution during the Arctic phytoplankton spring bloom in Baffin Bay. <i>Elementa</i> , 2021, 9, .	1.1	5
1234	Assimilation of sea ice thickness derived from CryoSat-2 along-track freeboard measurements into the Met Office's Forecast Ocean Assimilation Model (FOAM). <i>Cryosphere</i> , 2022, 16, 61-85.	1.5	9
1235	Distribution and Driving Mechanism of N ₂ O in Sea Ice and Its Underlying Seawater during Arctic Melt Season. <i>Water (Switzerland)</i> , 2022, 14, 145.	1.2	0
1236	Analyzing Variations in the Association of Eurasian Winter "Spring Snow Water Equivalent and Autumn Arctic Sea Ice. <i>Remote Sensing</i> , 2022, 14, 243.	1.8	2
1237	Complementary diet analyses reveal intraspecific and temporal variation in ringed seal (<i>Pusa hispida</i>) foraging in the Canadian high arctic. <i>Polar Biology</i> , 2022, 45, 465-480.	0.5	0
1239	An Analysis of Arctic Sea Ice Leads Retrieved from AMSR-E/AMSR2. <i>Remote Sensing</i> , 2022, 14, 969.	1.8	1
1240	Under-Ice Light Field in the Western Arctic Ocean During Late Summer. <i>Frontiers in Earth Science</i> , 2022, 9, .	0.8	6
1241	A Suitable Retrieval Algorithm of Arctic Snow Depths with AMSR-2 and Its Application to Sea Ice Thicknesses of Cryosat-2 Data. <i>Remote Sensing</i> , 2022, 14, 1041.	1.8	0
1242	An Improved Algorithm for the Retrieval of the Antarctic Sea Ice Freeboard and Thickness from ICESat-2 Altimeter Data. <i>Remote Sensing</i> , 2022, 14, 1069.	1.8	3
1243	Ice Coverage of the Laptev Sea and Air Temperature Variation during Recent Centuries: Observed Data and Reconstructions Using a Geochemical Proxy. <i>Current Chinese Science</i> , 2022, 2, 198-212.	0.2	4
1244	Trans-Arctic shipping routes expanding faster than the model projections. <i>Global Environmental Change</i> , 2022, 73, 102488.	3.6	30
1245	Changes in sea ice and range expansion of sperm whales in the eclipse sound region of Baffin Bay, Canada. <i>Global Change Biology</i> , 2022, 28, 3860-3870.	4.2	5
1246	Biotic and abiotic degradation of suspended particulate lipids along a transect in the Chukchi Sea. <i>Marine Chemistry</i> , 2022, 241, 104109.	0.9	0
1247	PermaBN: A Bayesian Network framework to help predict permafrost thaw in the Arctic. <i>Ecological Informatics</i> , 2022, 69, 101601.	2.3	0
1248	Influence of retreating Barents "Kara sea ice on the periodicity of El Niño Southern Oscillation. <i>International Journal of Climatology</i> , 0, , .	1.5	2
1249	Assessment of Storm Surge History as Recorded by Driftwood in the Mackenzie Delta and Tuktoyaktuk Coastlands, Arctic Canada. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	1

#	ARTICLE	IF	CITATIONS
1250	Insight on Poleward Moisture and Energy Transport into the Arctic from ERA5. <i>Atmosphere</i> , 2022, 13, 616.	1.0	2
1261	State estimation of the Stefan PDE: A tutorial on design and applications to polar ice and batteries. <i>Annual Reviews in Control</i> , 2022, 53, 199-223.	4.4	8
1262	Possible Lagged Impact of the Arctic Sea Ice in Barentsâ€“Kara Seas on June Precipitation in Eastern China. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	5
1263	Physiographic Controls on Landfast Ice Variability from 20 Years of Maximum Extents across the Northwest Canadian Arctic. <i>Remote Sensing</i> , 2022, 14, 2175.	1.8	2
1264	Variation in migration behaviors used by Arctic Terns (<i>Sterna paradisaea</i>) breeding across a wide latitudinal gradient. <i>Polar Biology</i> , 2022, 45, 909-922.	0.5	6
1265	Remotely monitored buoys for observing the growth and development of sea ice in situ. <i>Journal of Atmospheric and Oceanic Technology</i> , 2022, , .	0.5	0
1266	Risk Assessment of Ship Navigation in the Northwest Passage: Historical and Projection. <i>Sustainability</i> , 2022, 14, 5591.	1.6	6
1267	Community-scientist collaboration in the creation, management and research for two National Wildlife Areas in Arctic Canada. <i>Advances in Ecological Research</i> , 2022, , 37-61.	1.4	2
1268	Response of Arctic Methane hydrate to the rise in bottom water temperature and relative sea-level over past 11000 years. , 2022, , .		0
1269	Intraseasonal Melting of Northern Barents Sea Ice Forced by Circumpolar Clockwise-Propagating Atmospheric Waves during Early Summer. <i>Journal of Climate</i> , 2022, 35, 5703-5718.	1.2	1
1270	Measurement of wave forces on a modelled ice floe by plastic plate under bichromatic waves. <i>Ships and Offshore Structures</i> , 2023, 18, 636-644.	0.9	0
1271	Impacts of Autumnâ€“Winter Tibetan Plateau Snow Anomalies on North Atlanticâ€“Europe and Arctic Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 0, , .	1.2	1
1272	Tropopause Characteristics Based on Long-Term ARM Radiosonde Data: A Fine-Scale Comparison at the Extratropical SGP Site and Arctic NSA Site. <i>Atmosphere</i> , 2022, 13, 965.	1.0	0
1273	Recent nutrient enrichment and high biological productivity in the Labrador Sea is tied to enhanced winter convection. <i>Progress in Oceanography</i> , 2022, 206, 102848.	1.5	3
1274	Prediction of Pan-Arctic Sea Ice Using Attention-Based LSTM Neural Networks. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	5
1275	Using self-organizing maps to detect northern hemisphere cryo-cover transformation. <i>Climate Dynamics</i> , 0, , .	1.7	0
1276	The Arctic sea ice-cloud radiative negative feedback in the Barents and Kara Sea region. <i>Theoretical and Applied Climatology</i> , 2022, 150, 1-11.	1.3	1
1277	An analysis of the characteristics of precipitation in the Northeast passage and its relationship with sea ice. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	2

#	ARTICLE	IF	CITATIONS
1278	Investigating the Siberian High and its Effects on the Mediterranean Cyclones During 1970-2020 Period. SSRN Electronic Journal, 0, , .	0.4	0
1279	Bayesian Sea Ice Detection Algorithm for CFOSAT. Remote Sensing, 2022, 14, 3569.	1.8	7
1280	Effects of Atlantification and changing sea-ice dynamics on zooplankton community structure and carbon flux between 2000 and 2016 in the eastern Fram Strait. Limnology and Oceanography, 0, , .	1.6	5
1281	Regimes of Sea-ice Floe Melt: Ice-Ocean Coupling at the Submesoscales. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	8
1282	Influence and prediction value of Arctic sea ice for spring Eurasian extreme heat events. Communications Earth & Environment, 2022, 3, .	2.6	10
1283	Deciphering the Properties of Different Arctic Ice Types During the Growth Phase of MOSAiC: Implications for Future Studies on Gas Pathways. Frontiers in Earth Science, 0, 10, .	0.8	5
1284	A New Perspective on the Development of the Great Arctic Cyclone in August 2012. Journal of Geophysical Research D: Atmospheres, 0, , .	1.2	1
1285	Surface atmospheric duct over Svalbard, Arctic, related to atmospheric and ocean conditions in winter. Arctic, Antarctic, and Alpine Research, 2022, 54, 264-273.	0.4	3
1286	Deep learning for downward longwave radiative flux forecasts in the Arctic. Expert Systems With Applications, 2022, 210, 118547.	4.4	1
1287	Arctic summer sea ice phenology including ponding from 1982 to 2017. Acta Oceanologica Sinica, 2022, 41, 169-181.	0.4	0
1288	Has Arctic sea ice loss contributed to weakening winter and strengthening summer polar front jets over the Eastern Hemisphere?. Climate Dynamics, 2023, 60, 2819-2846.	1.7	2
1289	Microplastics in aquatic systems, a comprehensive review: origination, accumulation, impact, and removal technologies. RSC Advances, 2022, 12, 28318-28340.	1.7	29
1290	Thick and old sea ice in the Beaufort Sea during summer 2020/21 was associated with enhanced transport. Communications Earth & Environment, 2022, 3, .	2.6	4
1291	Arctic Multiyear Ice Areal Flux and Its Connection with Large-Scale Atmospheric Circulations in the Winters of 2002-2021. Remote Sensing, 2022, 14, 3742.	1.8	5
1292	Decadal Change of the Linkage between Sea Ice over the Barents-Kara Seas in November-December and the Stratospheric Polar Vortex in Subsequent January. Journal of Meteorological Research, 2022, 36, 601-617.	0.9	3
1293	Latest Altimetry-Based Sea Ice Freeboard and Volume Inter-Annual Variability in the Antarctic over 2003-2020. Remote Sensing, 2022, 14, 4741.	1.8	1
1294	Enhanced Arctic sea ice melting controlled by larger heat discharge of mid-Holocene rivers. Nature Communications, 2022, 13, .	5.8	7
1295	Navigability of the Northern Sea Route for Arc7 ice-class vessels during winter and spring sea-ice conditions. Advances in Climate Change Research, 2022, 13, 676-687.	2.1	9

#	ARTICLE	IF	CITATIONS
1296	Contour models for physical boundaries enclosing star-shaped and approximately star-shaped polygons. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 0, , .	0.5	0
1297	Enhanced intensity of the interannual variability of February surface air temperature over mid- and high-latitude Asia since the late-1990s. <i>Journal of Geophysical Research D: Atmospheres</i> , 0, , .	1.2	2
1298	Breeding stage and tissue isotopic consistency suggests colony-level flexibility in niche breadth of an Arctic marine bird. <i>Oecologia</i> , 0, , .	0.9	0
1299	Superfloe Parameterization with Physics Constraints for Uncertainty Quantification of Sea Ice Floes. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2022, 10, 1384-1409.	1.1	1
1300	A New Data Processing System for Generating Sea Ice Surface Roughness Products from the Multi-Angle Imaging SpectroRadiometer (MISR) Imagery. <i>Remote Sensing</i> , 2022, 14, 4979.	1.8	2
1301	Arctic sea ice coverage from 43 years of satellite passive-microwave observations. <i>Frontiers in Remote Sensing</i> , 0, 3, .	1.3	5
1302	Reassessment of Hydrate Destabilization Mechanisms Offshore West Svalbard Confirms Link to Recent Ocean Warming. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	1
1303	Evaluating sea ice thickness simulation is critical for projecting a summer ice-free Arctic Ocean. <i>Environmental Research Letters</i> , 2022, 17, 114033.	2.2	5
1304	What mainly drives the interannual climate variability over the Barents-Kara Seas in boreal early autumn?. <i>Journal of Geophysical Research D: Atmospheres</i> , 0, , .	1.2	0
1305	FTIR autecological analysis of bottom-ice diatom taxa across a tidal strait in the Canadian Arctic. <i>Elementa</i> , 2022, 10, .	1.1	0
1306	Retrieval of Sea Ice Drift From the Central Arctic to the Fram Strait Based on Sequential Sentinel-1 SAR Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	2.7	1
1307	Inferring Changes in Arctic Sea Ice through a Spatio-Temporal Logistic Autoregression Fitted to Remote-Sensing Data. <i>Remote Sensing</i> , 2022, 14, 5995.	1.8	1
1308	Inter-comparison and evaluation of Arctic sea ice type products. <i>Cryosphere</i> , 2023, 17, 279-308.	1.5	5
1309	Arctic Sea Ice and Open Water Classification from Spaceborne Fully Polarimetric Synthetic Aperture Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, , 1-1.	2.7	1
1310	Arctic Sea Ice Concentration Assimilation in an Operational Global 1/10° Ocean Forecast System. <i>Remote Sensing</i> , 2023, 15, 1274.	1.8	0
1311	A pitchfork-like relationship between reduced Barents-Kara sea ice and Ural atmospheric circulation. <i>Climate Dynamics</i> , 0, , .	1.7	0
1312	Spatial Linear Regression with Covariate Measurement Errors: Inference and Scalable Computation in a Functional Modeling Approach. <i>Journal of Computational and Graphical Statistics</i> , 2023, 32, 1588-1599.	0.9	0
1313	Arctic warming contributes to increase in Northeast Pacific marine heatwave days over the past decades. <i>Communications Earth & Environment</i> , 2023, 4, .	2.6	6

#	ARTICLE	IF	CITATIONS
1314	Radiative Effects and Costing Assessment of Arctic Sea Ice Albedo Changes. <i>Remote Sensing</i> , 2023, 15, 970.	1.8	0
1315	Arctic sea ice melt pond fraction in 2000–2021 derived by dynamic pixel spectral unmixing of MODIS images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2023, 197, 181-198.	4.9	2
1316	Observed contribution of Barents-Kara sea ice loss to warm Arctic-cold Eurasia anomalies by submonthly processes in winter. <i>Environmental Research Letters</i> , 2023, 18, 034019.	2.2	7
1317	Unraveling the Arctic Sea Ice Change since the Middle of the Twentieth Century. <i>Geosciences (Switzerland)</i> , 2023, 13, 58.	1.0	2
1318	Aerial observations of sea ice breakup by ship waves. <i>Cryosphere</i> , 2023, 17, 827-842.	1.5	3
1319	A collection of wet beam models for wave–ice interaction. <i>Cryosphere</i> , 2023, 17, 939-958.	1.5	0
1320	Impact of Cyclonic Wind Anomalies Caused by Massive Winter Sea Ice Retreat in the Barents Sea on Atlantic Water Transport Toward the Arctic: A Model Study. <i>Journal of Geophysical Research: Oceans</i> , 2023, 128, .	1.0	5
1321	Bibliometric analysis of studies of the Arctic and Antarctic polynya. <i>Frontiers in Research Metrics and Analytics</i> , 0, 8, .	0.9	2
1322	Effects of including the adjoint sea ice rheology on estimating Arctic Ocean–sea ice state. <i>Ocean Science</i> , 2023, 19, 305-319.	1.3	0
1323	æžâĒæµ·æ¼«â°„èĵâžĳ»æ°çš„èšæµâĒĒæĵæĳ. <i>SCIENTIA SINICA Terrae</i> , 2023, , .	0.1	0
1324	Feasibility of retrieving Arctic sea ice thickness from the Chinese HY-2B Ku-band radar altimeter. <i>Cryosphere</i> , 2023, 17, 1389-1410.	1.5	1
1325	Variability modes of September Arctic sea ice: drivers and their contributions to sea ice trend and extremes. , 2023, 2, 025005.		1
1326	Projected Changes to Wintertime Air–Sea Turbulent Heat Fluxes Over the Subpolar North Atlantic Ocean. <i>Earth's Future</i> , 2023, 11, .	2.4	0
1344	Benchmark study on the statistical and machine learning on the prediction of Arctic sea ice concentration. , 2023, , .		0
1358	Remotely sensing potential climate change tipping points across scales. <i>Nature Communications</i> , 2024, 15, .	5.8	0
1363	Monitoring Earth’s climate variables with satellite laser altimetry. <i>Nature Reviews Earth & Environment</i> , 2024, 5, 120-136.	12.2	0
1368	<i>Polar Coasts</i> . , 2011, , 927-969.		0