

# Martin Jakobsson

## List of Publications by Year in descending order

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Version: 2024-02-01

205  
papers

14,394  
citations

26567

56  
h-index

22102

113  
g-index

265  
all docs

265  
docs citations

265  
times ranked

11443  
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Quaternary ice sheet history of northern Eurasia. <i>Quaternary Science Reviews</i> , 2004, 23, 1229-1271.	1.4	1,279
2	The International Bathymetric Chart of the Arctic Ocean (IBCAO) Version 3.0. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	888
3	A new digital bathymetric model of the world's oceans. <i>Earth and Space Science</i> , 2015, 2, 331-345.	1.1	651
4	Subtropical Arctic Ocean temperatures during the Palaeocene/Eocene thermal maximum. <i>Nature</i> , 2006, 441, 610-613.	13.7	578
5	BedMachine v3: Complete Bed Topography and Ocean Bathymetry Mapping of Greenland From Multibeam Echo Sounding Combined With Mass Conservation. <i>Geophysical Research Letters</i> , 2017, 44, 11051-11061.	1.5	536
6	The Cenozoic palaeoenvironment of the Arctic Ocean. <i>Nature</i> , 2006, 441, 601-605.	13.7	471
7	Arctic hydrology during global warming at the Palaeocene/Eocene thermal maximum. <i>Nature</i> , 2006, 442, 671-675.	13.7	410
8	An improved bathymetric portrayal of the Arctic Ocean: Implications for ocean modeling and geological, geophysical and oceanographic analyses. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	410
9	Ice-dammed lakes and rerouting of the drainage of northern Eurasia during the Last Glaciation. <i>Quaternary Science Reviews</i> , 2004, 23, 1313-1332.	1.4	336
10	The International Bathymetric Chart of the Southern Ocean (IBCSO) Version 1.0 – A new bathymetric compilation covering circum-Antarctic waters. <i>Geophysical Research Letters</i> , 2013, 40, 3111-3117.	1.5	334
11	Episodic fresh surface waters in the Eocene Arctic Ocean. <i>Nature</i> , 2006, 441, 606-609.	13.7	284
12	The Nippon Foundation – GEBCO Seabed 2030 Project: The Quest to See the World's Oceans Completely Mapped by 2030. <i>Geosciences (Switzerland)</i> , 2018, 8, 63.	1.0	252
13	New grid of Arctic bathymetry aids scientists and mapmakers. <i>Eos</i> , 2000, 81, 89.	0.1	250
14	Hypsometry and volume of the Arctic Ocean and its constituent seas. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-18.	1.0	232
15	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 1-9.	1.4	228
16	Ice shelves in the Pleistocene Arctic Ocean inferred from glaciogenic deep-sea bedforms. <i>Nature</i> , 2001, 410, 453-457.	13.7	209
17	The early Miocene onset of a ventilated circulation regime in the Arctic Ocean. <i>Nature</i> , 2007, 447, 986-990.	13.7	208
18	Arctic Ocean glacial history. <i>Quaternary Science Reviews</i> , 2014, 92, 40-67.	1.4	184

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19	The periglacial climate and environment in northern Eurasia during the Last Glaciation. <i>Quaternary Science Reviews</i> , 2004, 23, 1333-1357.	1.4	183
20	Manganese and color cycles in Arctic Ocean sediments constrain Pleistocene chronology. <i>Geology</i> , 2000, 28, 23.	2.0	164
21	Age model and core seismic integration for the Cenozoic Arctic Coring Expedition sediments from the Lomonosov Ridge. <i>Paleoceanography</i> , 2008, 23, .	3.0	157
22	Is the central Arctic Ocean a sediment starved basin?. <i>Quaternary Science Reviews</i> , 2004, 23, 1435-1454.	1.4	152
23	Ross Sea paleo-ice sheet drainage and deglacial history during and since the LGM. <i>Quaternary Science Reviews</i> , 2014, 100, 31-54.	1.4	145
24	Seafloor Mapping – The Challenge of a Truly Global Ocean Bathymetry. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	140
25	Pleistocene stratigraphy and paleoenvironmental variation from Lomonosov Ridge sediments, central Arctic Ocean. <i>Global and Planetary Change</i> , 2001, 31, 1-22.	1.6	134
26	Evidence for an ice shelf covering the central Arctic Ocean during the penultimate glaciation. <i>Nature Communications</i> , 2016, 7, 10365.	5.8	133
27	The International Bathymetric Chart of the Arctic Ocean Version 4.0. <i>Scientific Data</i> , 2020, 7, 176.	2.4	129
28	Explosive volcanism on the ultraslow-spreading Gakkel ridge, Arctic Ocean. <i>Nature</i> , 2008, 453, 1236-1238.	13.7	127
29	Geological record of ice shelf break-up and grounding line retreat, Pine Island Bay, West Antarctica. <i>Geology</i> , 2011, 39, 691-694.	2.0	125
30	On the reconstruction of palaeo-ice sheets: Recent advances and future challenges. <i>Quaternary Science Reviews</i> , 2015, 125, 15-49.	1.4	125
31	The role of currents and sea ice in both slowly deposited central Arctic and rapidly deposited Chukchi-Alaskan margin sediments. <i>Global and Planetary Change</i> , 2009, 68, 58-72.	1.6	109
32	Enhanced ice sheet growth in Eurasia owing to adjacent ice-dammed lakes. <i>Nature</i> , 2004, 427, 429-432.	13.7	108
33	An Arctic Ocean ice shelf during MIS 6 constrained by new geophysical and geological data. <i>Quaternary Science Reviews</i> , 2010, 29, 3505-3517.	1.4	104
34	Watermass transformations in Storfjorden. <i>Continental Shelf Research</i> , 2005, 25, 667-695.	0.9	102
35	Ice sheet retreat dynamics inferred from glacial morphology of the central Pine Island Bay Trough, West Antarctica. <i>Quaternary Science Reviews</i> , 2012, 38, 1-10.	1.4	94
36	Reconstruction of changes in the Amundsen Sea and Bellingshausen Sea sector of the West Antarctic Ice Sheet since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 55-86.	1.4	94

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37	Stratigraphic constraints on late Pleistocene glacial erosion and deglaciation of the Chukchi margin, Arctic Ocean. <i>Quaternary Research</i> , 2007, 67, 234-245.	1.0	91
38	Paleo ice flow and subglacial meltwater dynamics in Pine Island Bay, West Antarctica. <i>Cryosphere</i> , 2013, 7, 249-262.	1.5	91
39	Reconstructing the Younger Dryas ice dammed lake in the Baltic Basin: Bathymetry, area and volume. <i>Global and Planetary Change</i> , 2007, 57, 355-370.	1.6	86
40	Huge Ice-age lakes in Russia. <i>Journal of Quaternary Science</i> , 2001, 16, 773-777.	1.1	85
41	Post-glacial flooding of the Bering Land Bridge dated to 11â€calâ€kaâ€BP based on new geophysical and sediment records. <i>Climate of the Past</i> , 2017, 13, 991-1005.	1.3	85
42	Constraints on the Pleistocene chronology of sediments from the Lomonosov Ridge. <i>Paleoceanography</i> , 2008, 23, .	3.0	80
43	Quaternary Arctic Ocean sea ice variations and radiocarbon reservoir age corrections. <i>Quaternary Science Reviews</i> , 2010, 29, 3430-3441.	1.4	79
44	Modern dirty sea ice characteristics and sources: The role of anchor ice. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	79
45	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
46	Oceans Melting Greenland: Early Results from NASAâ€™s Ocean-Ice Mission in Greenland. , 2016, 29, 72-83.		75
47	Physiographic provinces of the Arctic Ocean seafloor. <i>Bulletin of the Geological Society of America</i> , 2003, 115, 1443.	1.6	73
48	Post-LGM deglaciation in Pine Island Bay, West Antarctica. <i>Quaternary Science Reviews</i> , 2012, 38, 11-26.	1.4	73
49	First high-resolution chirp sonar profiles from the central Arctic Ocean reveal erosion of Lomonosov Ridge sediments. <i>Marine Geology</i> , 1999, 158, 111-123.	0.9	72
50	Glacial geomorphology of the Central Arctic Ocean: the Chukchi Borderland and the Lomonosov Ridge. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 526-545.	1.2	71
51	Beryllium isotopes in central Arctic Ocean sediments over the past 12.3 million years: Stratigraphic and paleoclimatic implications. <i>Paleoceanography</i> , 2008, 23, .	3.0	71
52	Optically Stimulated Luminescence dating supports central Arctic Ocean cm-scale sedimentation rates. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	68
53	Deep Arctic Ocean warming during the last glacial cycle. <i>Nature Geoscience</i> , 2012, 5, 631-634.	5.4	63
54	Massive remobilization of permafrost carbon during post-glacial warming. <i>Nature Communications</i> , 2016, 7, 13653.	5.8	63

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55	Icebreaker expedition collects key Arctic seafloor and ice data. <i>Eos</i> , 2005, 86, 549.	0.1	61
56	Arctic Ocean manganese contents and sediment colour cycles. <i>Polar Research</i> , 2008, 27, 105-113.	1.6	60
57	Bathymetry and deep-water exchange across the central Lomonosov Ridge at 88°N. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1197-1208.	0.6	59
58	High-resolution geophysical observations of the Yermak Plateau and northern Svalbard margin: implications for ice-sheet grounding and deep-keeled icebergs. <i>Quaternary Science Reviews</i> , 2010, 29, 3518-3531.	1.4	57
59	Evidence of marine ice-cliff instability in Pine Island Bay from iceberg-keel plough marks. <i>Nature</i> , 2017, 550, 506-510.	13.7	57
60	The variety and distribution of submarine glacial landforms and implications for ice-sheet reconstruction. <i>Geological Society Memoir</i> , 2016, 46, 519-552.	0.9	50
61	Capabilities and limitations of numerical ice sheet models: a discussion for Earth-scientists and modelers. <i>Quaternary Science Reviews</i> , 2011, 30, 3691-3704.	1.4	49
62	Multibeam bathymetric and sediment profiler evidence for ice grounding on the Chukchi Borderland, Arctic Ocean. <i>Quaternary Research</i> , 2005, 63, 150-160.	1.0	48
63	An Arctic perspective on dating Mid-Late Pleistocene environmental history. <i>Quaternary Science Reviews</i> , 2014, 92, 9-31.	1.4	48
64	Major earthquake at the Pleistocene-Holocene transition in Lake Vättern, southern Sweden. <i>Geology</i> , 2014, 42, 379-382.	2.0	46
65	Ice-flow switching and East/West Antarctic Ice Sheet roles in glaciation of the western Ross Sea. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 1736-1749.	1.6	45
66	New insights on Arctic Quaternary climate variability from palaeo-records and numerical modelling. <i>Quaternary Science Reviews</i> , 2010, 29, 3349-3358.	1.4	43
67	Submarine landforms and ice-sheet flow in the KvitÅya Trough, northwestern Barents Sea. <i>Quaternary Science Reviews</i> , 2010, 29, 3545-3562.	1.4	42
68	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
69	High Emissions of Carbon Dioxide and Methane From the Coastal Baltic Sea at the End of a Summer Heat Wave. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	41
70	The Bothnian Sea ice stream: early Holocene retreat dynamics of the south-central Fennoscandian Ice Sheet. <i>Boreas</i> , 2017, 46, 346-362.	1.2	39
71	The Holocene retreat dynamics and stability of Petermann Glacier in northwest Greenland. <i>Nature Communications</i> , 2018, 9, 2104.	5.8	39
72	Postglacial palaeoceanography in the Skagerrak. <i>Holocene</i> , 2006, 16, 975-985.	0.9	38

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73	Plio-Pleistocene trends in ice rafted debris on the Lomonosov Ridge. <i>Quaternary International</i> , 2010, 219, 168-176.	0.7	38
74	Meltwater intensive glacial retreat in polar environments and investigation of associated sediments: example from Pine Island Bay, West Antarctica. <i>Quaternary Science Reviews</i> , 2014, 85, 99-118.	1.4	38
75	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
76	Quaternary Sedimentation in the Arctic Ocean: Recent Advances and Further Challenges. <i>Oceanography</i> , 2011, 24, 52-64.	0.5	37
77	Remobilization of dormant carbon from Siberian-Arctic permafrost during three past warming events. <i>Science Advances</i> , 2020, 6, .	4.7	37
78	Mid-Cenozoic tectonic and paleoenvironmental setting of the central Arctic Ocean. <i>Paleoceanography</i> , 2008, 23, .	3.0	35
79	Introduction: an Atlas of Submarine Glacial Landforms. <i>Geological Society Memoir</i> , 2016, 46, 3-14.	0.9	35
80	Remobilization of Old Permafrost Carbon to Chukchi Sea Sediments During the End of the Last Deglaciation. <i>Global Biogeochemical Cycles</i> , 2019, 33, 2-14.	1.9	35
81	Influence of regional parameters on the surface mass balance of the Eurasian ice sheet during the peak Saalian (140kya). <i>Global and Planetary Change</i> , 2009, 68, 132-148.	1.6	34
82	Shelf-Basin interaction along the East Siberian Sea. <i>Ocean Science</i> , 2017, 13, 349-363.	1.3	34
83	Subsea permafrost carbon stocks and climate change sensitivity estimated by expert assessment. <i>Environmental Research Letters</i> , 2020, 15, 124075.	2.2	34
84	Observations in the Ocean. <i>Atmospheric and Oceanographic Sciences Library</i> , 2012, , 117-198.	0.1	33
85	On the effect of random errors in gridded bathymetric compilations. <i>Journal of Geophysical Research</i> , 2002, 107, ETC 14-1-ETG 14-11.	3.3	31
86	Gridding heterogeneous bathymetric data sets with stacked continuous curvature splines in tension. <i>Marine Geophysical Researches</i> , 2011, 32, 493-501.	0.5	31
87	Past ice flow in Wahlenbergfjorden and its implications for late Quaternary ice sheet dynamics in northeastern Svalbard. <i>Quaternary Science Reviews</i> , 2017, 163, 162-179.	1.4	31
88	Sources and cycling of mercury in the paleo Arctic Ocean from Hg stable isotope variations in Eocene and Quaternary sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 197, 245-262.	1.6	31
89	The 3.6ka Aniakchak tephra in the Arctic Ocean: a constraint on the Holocene radiocarbon reservoir age in the Chukchi Sea. <i>Climate of the Past</i> , 2017, 13, 303-316.	1.3	31
90	Dynamic simulations of potential methane release from East Siberian continental slope sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 872-886.	1.0	30

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91	Arsenic stress after the Proterozoic glaciations. <i>Scientific Reports</i> , 2016, 5, 17789.	1.6	30
92	Arctic Ocean perennial sea ice breakdown during the Early Holocene Insolation Maximum. <i>Quaternary Science Reviews</i> , 2014, 92, 123-132.	1.4	29
93	Biogenic and detrital-rich intervals in central Arctic Ocean cores identified using x-ray fluorescence scanning. <i>Polar Research</i> , 2013, 32, 18386.	1.6	28
94	Bathymetric properties of the Baltic Sea. <i>Ocean Science</i> , 2019, 15, 905-924.	1.3	28
95	Ryder Glacier in northwest Greenland is shielded from warm Atlantic water by a bathymetric sill. <i>Communications Earth &amp; Environment</i> , 2020, 1, .	2.6	28
96	The International Bathymetric Chart of the Southern Ocean Version 2. <i>Scientific Data</i> , 2022, 9, .	2.4	28
97	Acoustic Mapping of Thermohaline Staircases in the Arctic Ocean. <i>Scientific Reports</i> , 2017, 7, 15192.	1.6	27
98	Glacial history and paleoceanography of the southern Yermak Plateau since 132 ÅBP. <i>Quaternary Science Reviews</i> , 2014, 92, 155-169.	1.4	26
99	A Synthesis of the Long-Term Paleoclimatic Evolution of the Arctic. <i>Oceanography</i> , 2011, 24, 66-80.	0.5	26
100	Pleistocene variations of beryllium isotopes in central Arctic Ocean sediment cores. <i>Global and Planetary Change</i> , 2009, 68, 38-47.	1.6	25
101	Recent glacially influenced sedimentary processes on the East Greenland continental slope and deep Greenland Basin. <i>Quaternary Science Reviews</i> , 2012, 49, 64-81.	1.4	25
102	Multiple readvances of a Lake Vättern outlet glacier during Fennoscandian Ice Sheet retreat, southern central Sweden. <i>Boreas</i> , 2015, 44, 619-637.	1.2	25
103	Glacial landforms and their implications for glacier dynamics in Rijpfjorden and Duvefjorden, northern Nordaustlandet, Svalbard. <i>Journal of Quaternary Science</i> , 2017, 32, 437-455.	1.1	25
104	Deglacial sea level history of the East Siberian Sea and Chukchi Sea margins. <i>Climate of the Past</i> , 2017, 13, 1097-1110.	1.3	25
105	The Use of Bathymetric Data in Society and Science: A Review from the Baltic Sea. <i>Ambio</i> , 2012, 41, 138-150.	2.8	24
106	Amino acid racemization in mono-specific foraminifera from Quaternary deep-sea sediments. <i>Quaternary Geochronology</i> , 2013, 16, 50-61.	0.6	24
107	Mapping submarine glacial landforms using acoustic methods. <i>Geological Society Memoir</i> , 2016, 46, 17-40.	0.9	24
108	Surface heat flow measurements from the East Siberian continental slope and southern Lomonosov Ridge, Arctic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1608-1622.	1.0	23

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109	Holocene break-up and reestablishment of the Petermann Ice Tongue, Northwest Greenland. <i>Quaternary Science Reviews</i> , 2019, 218, 322-342.	1.4	23
110	The dynamic Arctic. <i>Quaternary Science Reviews</i> , 2014, 92, 1-8.	1.4	22
111	Pore water geochemistry along continental slopes north of the East Siberian Sea: inference of low methane concentrations. <i>Biogeosciences</i> , 2017, 14, 2929-2953.	1.3	22
112	The De Long Trough: a newly discovered glacial trough on the East Siberian continental margin. <i>Climate of the Past</i> , 2017, 13, 1269-1284.	1.3	22
113	Arctic Ocean benthic foraminifera Mg/Ca ratios and global Mg/Ca-temperature calibrations: New constraints at low temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 240-259.	1.6	22
114	Arctic Ocean Gas Hydrate Stability in a Changing Climate. <i>Journal of Geological Research</i> , 2013, 2013, 1-10.	0.7	21
115	A wideband acoustic method for direct assessment of bubble-mediated methane flux. <i>Continental Shelf Research</i> , 2019, 173, 104-115.	0.9	21
116	Modern foraminiferal assemblages in northern Nares Strait, Petermann Fjord, and beneath Petermann ice tongue, NW Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2020, 52, 491-511.	0.4	21
117	Glacial sedimentation, fluxes and erosion rates associated with ice retreat in Petermann Fjord and Nares Strait, north-west Greenland. <i>Cryosphere</i> , 2020, 14, 261-286.	1.5	21
118	Glacial geological implications of overconsolidated sediments on the Lomonosov Ridge and Yermak Plateau. <i>Quaternary Science Reviews</i> , 2010, 29, 3532-3544.	1.4	20
119	Overestimating climate warming-induced methane gas escape from the seafloor by neglecting multiphase flow dynamics. <i>Geophysical Research Letters</i> , 2016, 43, 8703-8712.	1.5	20
120	Oceanographic influences on the stability of the Cosgrove Ice Shelf, Antarctica. <i>Holocene</i> , 2017, 27, 1645-1658.	0.9	20
121	The 2005 HOTRAX Expedition to the Arctic Ocean. <i>Global and Planetary Change</i> , 2009, 68, 1-4.	1.6	19
122	Flow of Canadian basin deep water in the Western Eurasian Basin of the Arctic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 577-586.	0.6	19
123	High resolution mapping of offshore and onshore glaciogenic features in metamorphic bedrock terrain, Melville Bay, northwestern Greenland. <i>Geomorphology</i> , 2015, 250, 29-40.	1.1	19
124	Modeling fracture propagation and seafloor gas release during seafloor warming-induced hydrate dissociation. <i>Geophysical Research Letters</i> , 2017, 44, 8510-8519.	1.5	19
125	Effusive and explosive volcanism on the ultraslow-spreading Gakkel Ridge, 85°E. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	18
126	Holocene sedimentation in the Skagerrak interpreted from chirp sonar and core data. <i>Journal of Quaternary Science</i> , 2005, 20, 21-32.	1.1	17



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127	Physical Disturbance by Bottom Trawling Suspends Particulate Matter and Alters Biogeochemical Processes on and Near the Seafloor. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	17
128	Sounding the Northern Seas. <i>Eos</i> , 2015, 96, .	0.1	17
129	Sensitivity of the Late Saalian (140 kyrs BP) and LGM (21 kyrs BP) Eurasian ice sheet surface mass balance to vegetation feedbacks. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	16
130	Interglacial Paleoclimate in the Arctic. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1959-1979.	1.3	16
131	Potential links between Baltic Sea submarine terraces and groundwater seeping. <i>Earth Surface Dynamics</i> , 2020, 8, 1-15.	1.0	16
132	Sedimentary regimes in Arctic's Amerasian and Eurasian Basins: Clues to differences in sedimentation rates. <i>Global and Planetary Change</i> , 2008, 61, 275-284.	1.6	15
133	Middle to late Quaternary grain size variations and sea-ice rafting on the Lomonosov Ridge. <i>Polar Research</i> , 2014, 33, 23672.	1.6	15
134	Regional deglaciation and postglacial lake development as reflected in a 74Åm sedimentary record from Lake VÄttern, southern Sweden. <i>Gff</i> , 2016, 138, 336-354.	0.4	15
135	Acoustic mapping of mixed layer depth. <i>Ocean Science</i> , 2018, 14, 503-514.	1.3	15
136	A deep scattering layer under the North Pole pack ice. <i>Progress in Oceanography</i> , 2021, 194, 102560.	1.5	15
137	Future Projections of Petermann Glacier Under Ocean Warming Depend Strongly on Friction Law. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005921.	1.0	15
138	Acoustic evidence of a submarine slide in the deepest part of the Arctic, the Molloy Hole. <i>Geo-Marine Letters</i> , 2014, 34, 315-325.	0.5	14
139	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
140	Bathymetry and oceanic flow structure at two deep passages crossing the Lomonosov Ridge. <i>Ocean Science</i> , 2018, 14, 1-13.	1.3	14
141	Low Abundance of Methanotrophs in Sediments of Shallow Boreal Coastal Zones With High Water Methane Concentrations. <i>Frontiers in Microbiology</i> , 2020, 11, 1536.	1.5	14
142	The sensitivity of the Late Saalian (140Åka) and LGM (21Åka) Eurasian ice sheets to sea surface conditions. <i>Climate Dynamics</i> , 2011, 37, 531-553.	1.7	13
143	A North Pole thermal anomaly? Evidence from new and existing heat flow measurements from the central Arctic Ocean. <i>Journal of Geodynamics</i> , 2018, 118, 166-181.	0.7	13
144	A chronology of environmental changes in the Lake VÄttern basin from deglaciation to its final isolation. <i>Boreas</i> , 2018, 47, 609-624.	1.2	12

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145	Bathymetry of Southeast Greenland From Oceans Melting Greenland (OMG) Data. <i>Geophysical Research Letters</i> , 2019, 46, 11197-11205.	1.5	12
146	Stratigraphic Occurrences of Sub-Polar Planktic Foraminifera in Pleistocene Sediments on the Lomonosov Ridge, Arctic Ocean. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	12
147	Modern and early Holocene ice shelf sediment facies from Petermann Fjord and northern Nares Strait, northwest Greenland. <i>Quaternary Science Reviews</i> , 2022, 283, 107460.	1.4	12
148	Calcareous nannofossils anchor chronologies for Arctic Ocean sediments back to 500 ka. <i>Geology</i> , 2020, 48, 1115-1119.	2.0	11
149	The Holocene dynamics of Ryder Glacier and ice tongue in north Greenland. <i>Cryosphere</i> , 2021, 15, 4073-4097.	1.5	11
150	Can anaerobic oxidation of methane prevent seafloor gas escape in a warming climate?. <i>Solid Earth</i> , 2019, 10, 1541-1554.	1.2	10
151	Late Quaternary sedimentary processes in the central Arctic Ocean inferred from geophysical mapping. <i>Geomorphology</i> , 2020, 369, 107309.	1.1	10
152	A new 30â€‰000-year chronology for rapidly deposited sediments on the Lomonosov Ridge using bulk radiocarbon dating and probabilistic stratigraphic alignment. <i>Geochronology</i> , 2020, 2, 81-91.	1.0	10
153	A Comparison Between GEBCO Sheet 5.17 and the International Bathymetric Chart of the Arctic Ocean (IBCAO) Version 1.0. <i>Marine Geophysical Researches</i> , 2006, 27, 35-48.	0.5	9
154	Carrier free <sup>10</sup> Be/ <sup>9</sup> Be measurements with low-energy AMS: Determination of sedimentation rates in the Arctic Ocean. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2013, 294, 67-71.	0.6	9
155	Statistical modeling of a former Arctic Ocean ice shelf complex using Antarctic analogies. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1105-1117.	1.0	9
156	Submarine glacial landform distribution in the central Arctic Ocean shelfâ€“slopeâ€“basin system. <i>Geological Society Memoir</i> , 2016, 46, 469-476.	0.9	9
157	Submarine glacial-landform distribution across the West Antarctic margin, from grounding line to slope: the Pine Islandâ€“Thwaites ice-stream system. <i>Geological Society Memoir</i> , 2016, 46, 493-500.	0.9	9
158	New constraints on Arctic Ocean Mn stratigraphy from radiocarbon dating on planktonic foraminifera. <i>Quaternary International</i> , 2017, 447, 13-26.	0.7	9
159	Ice-shelf damming in the glacial Arctic Ocean: dynamical regimes of a basin-covering kilometre-thick ice shelf. <i>Cryosphere</i> , 2017, 11, 1745-1765.	1.5	9
160	Late Holocene paleoceanography in the Chukchi and Beaufort Seas, Arctic Ocean, based on benthic foraminifera and ostracodes. <i>Arktos</i> , 2018, 4, 1-17.	1.0	9
161	Deciphering âˆ¼45.000 years of Arctic Ocean lithostratigraphic variability through multivariate statistical analysis. <i>Quaternary International</i> , 2019, 514, 141-151.	0.7	9
162	Ventilation of the Miocene Arctic Ocean: An idealized model study. <i>Paleoceanography</i> , 2010, 25, n/a-n/a.	3.0	8

#	ARTICLE	IF	CITATIONS
163	Geotechnical and sedimentary evidence for thick-grounded ice in southern Lake Vättern during deglaciation. <i>Gff</i> , 2016, 138, 355-366.	0.4	8
164	A model study of the first ventilated regime of the Arctic Ocean during the early Miocene. <i>Polar Research</i> , 2012, 31, 10859.	1.6	8
165	Polar Region Bathymetry: Critical Knowledge for the Prediction of Global Sea Level Rise. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	8
166	Bottom characterization of Lagoa das Furnas on S�o Miguel, Azores archipelago. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 321, 196-207.	0.8	7
167	Central Arctic Ocean paleoceanography from 50 ka to present, on the basis of ostracode faunal assemblages from the SWERUS 2014 expedition. <i>Climate of the Past</i> , 2017, 13, 1473-1489.	1.3	7
168	Late Weichselian ice stream configuration and dynamics in Albertini Trough, northern Svalbard margin. <i>Arktos</i> , 2018, 4, 1-22.	1.0	7
169	On the circulation, water mass distribution, and nutrient concentrations of the western Chukchi Sea. <i>Ocean Science</i> , 2022, 18, 29-49.	1.3	7
170	Foreword to the special issue: Arctic Palaeoclimate and Its Extremes (APEX). <i>Polar Research</i> , 2008, 27, 97-104.	1.6	6
171	Sedimentary proxies for Pacific water inflow through the Herald Canyon, western Arctic Ocean. <i>Arktos</i> , 2018, 4, 1-13.	1.0	6
172	Optically stimulated luminescence dating supports pre-Eemian age for glacial ice on the Lomonosov Ridge off the East Siberian continental shelf. <i>Quaternary Science Reviews</i> , 2021, 267, 107082.	1.4	6
173	Arctic Ocean Bathymetry: A Necessary Geospatial Framework. <i>Arctic</i> , 2015, 68, 41.	0.2	6
174	Petermann ice shelf may not recover after a future breakup. <i>Nature Communications</i> , 2022, 13, 2519.	5.8	6
175	The role of an Arctic ice shelf in the climate of the MIS 6 glacial maximum (140 ka). <i>Quaternary Science Reviews</i> , 2010, 29, 3590-3597.	1.4	5
176	Drumlins in the Gulf of Bothnia. <i>Geological Society Memoir</i> , 2016, 46, 197-198.	0.9	5
177	Corrugation ridges in the Pine Island Bay glacier trough, West Antarctica. <i>Geological Society Memoir</i> , 2016, 46, 265-266.	0.9	5
178	Tracking the spatiotemporal variability of the oxic-anoxic interface in the Baltic Sea with broadband acoustics. <i>ICES Journal of Marine Science</i> , 2020, 77, 2814-2824.	1.2	5
179	How True are Geological Maps? An Exercise in Geological Mapping. <i>Journal of Geoscience Education</i> , 2008, 56, 297-301.	0.8	4
180	Recent geological geomorphological processes on the east Arctic shelf: Results of the expedition of the icebreaker Oden in 2014. <i>Oceanology</i> , 2015, 55, 926-929.	0.3	4

#	ARTICLE	IF	CITATIONS
181	Grounding-zone wedges on Antarctic continental shelves. <i>Geological Society Memoir</i> , 2016, 46, 243-244.	0.9	4
182	The climate sensitivity of northern Greenland fjords is amplified through sea-ice damming. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	4
183	Holocene sea-ice dynamics in Petermann Fjord in relation to ice tongue stability and Nares Strait ice arch formation. <i>Cryosphere</i> , 2021, 15, 4357-4380.	1.5	4
184	Late Holocene Paleomagnetic Secular Variation in the Chukchi Sea, Arctic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	4
185	The last stampede of a glacial lake. <i>Nature Geoscience</i> , 2008, 1, 152-153.	5.4	3
186	Deep iceberg ploughmarks in the central Arctic Ocean. <i>Geological Society Memoir</i> , 2016, 46, 287-288.	0.9	3
187	Calving at Ryder Glacier, Northern Greenland. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005872.	1.0	3
188	Seal Occurrence and Habitat Use during Summer in Petermann Fjord, Northwestern Greenland. <i>Arctic</i> , 2018, 71, .	0.2	3
189	Expedition 302 geophysics: integrating past data with new results. , 0, , .		3
190	Seafloor terraces and semi-circular depressions related to fluid discharge in Stockholm Archipelago, Baltic Sea. <i>Geological Society Memoir</i> , 2016, 46, 305-306.	0.9	2
191	Postglacial tectonic structures and mass wasting in Lake Vättern, southern Sweden. <i>Geological Society Memoir</i> , 2016, 46, 119-120.	0.9	2
192	Glacial landforms in a hard bedrock terrain, Melville Bay, northwestern Greenland. <i>Geological Society Memoir</i> , 2016, 46, 201-202.	0.9	2
193	GRANTSISM: An Excel <sup>®</sup> ice sheet model for use in introductory Earth science courses. <i>Journal of Geoscience Education</i> , 2018, 66, 109-120.	0.8	2
194	Correction to "Hypsometry and volume of the Arctic Ocean and its constituent seas". <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	1.0	1
195	Estimating ventilation time scales using overturning stream functions. <i>Ocean Dynamics</i> , 2014, 64, 797-807.	0.9	1
196	Mapping the Surficial Geology of the Arctic Ocean: A Layer for the IBCAO. , 2015, , .		1
197	Pockmarks on the Mendeleev Rise, central Arctic Ocean. <i>Geological Society Memoir</i> , 2016, 46, 297-298.	0.9	1
198	Geothermal evidence for groundwater flow through Quaternary sediments overlying bedrock aquifers below Lake Vättern, Sweden. <i>Gff</i> , 2019, 141, 106-120.	0.4	1

#	ARTICLE	IF	CITATIONS
199	International Bathymetric Chart of the Arctic Ocean (IBCAO). Encyclopedia of Earth Sciences Series, 2016, , 365-367.	0.1	1
200	A global geographic grid system for visualizing bathymetry. Geoscientific Instrumentation, Methods and Data Systems, 2020, 9, 375-384.	0.6	1
201	Permafrost patterns in the SE Laptev Sea, East Siberian Arctic Ocean. Geological Society Memoir, 2016, 46, 311-312.	0.9	0
202	Landform assemblage produced by ice-grounding events on the Yermak Plateau. Geological Society Memoir, 2016, 46, 329-332.	0.9	0
203	Tracking the rapid pace of a retreating ice sheet. Science, 2020, 368, 939-940.	6.0	0
204	A Cross-Polar Modeling Approach to Hindcast Paleo-Arctic Mega Icebergs: A Storyboard. Lecture Notes in Earth System Sciences, 2014, , 41-44.	0.5	0
205	Comments on: A global high-resolution data set of ice sheet topography, cavity geometry and ocean bathymetry. , 2016, , .		0