Martin Jakobsson

List of Publications by Year
in descending order

205 papers	14,394 citations	26630 56 h-index	22166 113 g-index
265 all docs	265 docs citations	265 times ranked	11443 citing authors

#	Article	IF	Citations
1	On the circulation, water mass distribution, and nutrient concentrations of the western Chukchi Sea. Ocean Science, 2022, 18, 29-49.	3.4	7
2	Polar Region Bathymetry: Critical Knowledge for the Prediction of Global Sea Level Rise. Frontiers in Marine Science, 2022, 8, .	2.5	8
3	Modern and early Holocene ice shelf sediment facies from Petermann Fjord and northern Nares Strait, northwest Greenland. Quaternary Science Reviews, 2022, 283, 107460.	3.0	12
4	Late Holocene Paleomagnetic Secular Variation in the Chukchi Sea, Arctic Ocean. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	4
5	Petermann ice shelf may not recover after a future breakup. Nature Communications, 2022, 13, 2519.	12.8	6
6	The International Bathymetric Chart of the Southern Ocean Version 2. Scientific Data, 2022, 9, .	5.3	28
7	Calving at Ryder Glacier, Northern Greenland. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005872.	2.8	3
8	The climate sensitivity of northern Greenland fjords is amplified through sea-ice damming. Communications Earth & Environment, 2021, 2, .	6.8	4
9	A deep scattering layer under the North Pole pack ice. Progress in Oceanography, 2021, 194, 102560.	3.2	15
10	Future Projections of Petermann Glacier Under Ocean Warming Depend Strongly on Friction Law. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005921.	2.8	15
11	The Holocene dynamics of Ryder Glacier and ice tongue in north Greenland. Cryosphere, 2021, 15, 4073-4097.	3.9	11
12	Physical Disturbance by Bottom Trawling Suspends Particulate Matter and Alters Biogeochemical Processes on and Near the Seafloor. Frontiers in Marine Science, 2021, 8, .	2.5	17
13	Optically stimulated luminescence dating supports pre-Eemian age for glacial ice on the Lomonosov Ridge off the East Siberian continental shelf. Quaternary Science Reviews, 2021, 267, 107082.	3.0	6
14	Holocene sea-ice dynamics in Petermann Fjord in relation to ice tongue stability and Nares Strait ice arch formation. Cryosphere, 2021, 15, 4357-4380.	3.9	4
15	Potential links between Baltic Sea submarine terraces and groundwater seeping. Earth Surface Dynamics, 2020, 8, 1-15.	2.4	16
16	Remobilization of dormant carbon from Siberian-Arctic permafrost during three past warming events. Science Advances, 2020, 6, .	10.3	37
17	The International Bathymetric Chart of the Arctic Ocean Version 4.0. Scientific Data, 2020, 7, 176.	5.3	129
18	Calcareous nannofossils anchor chronologies for Arctic Ocean sediments back to 500 ka. Geology, 2020, 48, 1115-1119.	4.4	11

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19	Low Abundance of Methanotrophs in Sediments of Shallow Boreal Coastal Zones With High Water Methane Concentrations. Frontiers in Microbiology, 2020, 11, 1536.	3.5	14
20	Modern foraminiferal assemblages in northern Nares Strait, Petermann Fjord, and beneath Petermann ice tongue, NW Greenland. Arctic, Antarctic, and Alpine Research, 2020, 52, 491-511.	1.1	21
21	Ryder Glacier in northwest Greenland is shielded from warm Atlantic water by a bathymetric sill. Communications Earth & Environment, 2020, 1, .	6.8	28
22	Tracking the spatiotemporal variability of the oxicâ€“anoxic interface in the Baltic Sea with broadband acoustics. ICES Journal of Marine Science, 2020, 77, 2814-2824.	2.5	5
23	Tracking the rapid pace of a retreating ice sheet. Science, 2020, 368, 939-940.	12.6	0
24	Late Quaternary sedimentary processes in the central Arctic Ocean inferred from geophysical mapping. Geomorphology, 2020, 369, 107309.	2.6	10
25	Glacial sedimentation, fluxes and erosion rates associated with ice retreat in Petermann Fjord and Nares Strait, north-west Greenland. Cryosphere, 2020, 14, 261-286.	3.9	21
26	Subsea permafrost carbon stocks and climate change sensitivity estimated by expert assessment. Environmental Research Letters, 2020, 15, 124075.	5.2	34
27	A new 30â€‰000-year chronology for rapidly deposited sediments on the Lomonosov Ridge using bulk radiocarbon dating and probabilistic stratigraphic alignment. Geochronology, 2020, 2, 81-91.	2.5	10
28	A global geographic grid system for visualizing bathymetry. Geoscientific Instrumentation, Methods and Data Systems, 2020, 9, 375-384.	1.6	1
29	High Emissions of Carbon Dioxide and Methane From the Coastal Baltic Sea at the End of a Summer Heat Wave. Frontiers in Marine Science, 2019, 6, .	2.5	41
30	Holocene break-up and reestablishment of the Petermann Ice Tongue, Northwest Greenland. Quaternary Science Reviews, 2019, 218, 322-342.	3.0	23
31	Geothermal evidence for groundwater flow through Quaternary sediments overlying bedrock aquifers below Lake VÃ¤ttern, Sweden. Gff, 2019, 141, 106-120.	1.2	1
32	Interglacial Paleoclimate in the Arctic. Paleoceanography and Paleoclimatology, 2019, 34, 1959-1979.	2.9	16
33	Bathymetry of Southeast Greenland From Oceans Melting Greenland (OMG) Data. Geophysical Research Letters, 2019, 46, 11197-11205.	4.0	12
34	Bathymetric properties of the Baltic Sea. Ocean Science, 2019, 15, 905-924.	3.4	28
35	Seafloor Mapping â€“ The Challenge of a Truly Global Ocean Bathymetry. Frontiers in Marine Science, 2019, 6, .	2.5	140
36	Stratigraphic Occurrences of Sub-Polar Planktic Foraminifera in Pleistocene Sediments on the Lomonosov Ridge, Arctic Ocean. Frontiers in Earth Science, 2019, 7, .	1.8	12

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37	Can anaerobic oxidation of methane prevent seafloor gas escape in a warming climate?. Solid Earth, 2019, 10, 1541-1554.	2.8	10
38	Remobilization of Old Permafrost Carbon to Chukchi Sea Sediments During the End of the Last Deglaciation. Global Biogeochemical Cycles, 2019, 33, 2-14.	4.9	35
39	A wideband acoustic method for direct assessment of bubble-mediated methane flux. Continental Shelf Research, 2019, 173, 104-115.	1.8	21
40	Deciphering â^¼45.000 years of Arctic Ocean lithostratigraphic variability through multivariate statistical analysis. Quaternary International, 2019, 514, 141-151.	1.5	9
41	GRANTSISM: An Excelâ„¢ ice sheet model for use in introductory Earth science courses. Journal of Geoscience Education, 2018, 66, 109-120.	1.4	2
42	A North Pole thermal anomaly? Evidence from new and existing heat flow measurements from the central Arctic Ocean. Journal of Geodynamics, 2018, 118, 166-181.	1.6	13
43	Late Weichselian ice stream configuration and dynamics in Albertini Trough, northern Svalbard margin. Arktos, 2018, 4, 1-22.	1.0	7
44	Arctic Ocean benthic foraminifera Mg/Ca ratios and global Mg/Ca-temperature calibrations: New constraints at low temperatures. Geochimica Et Cosmochimica Acta, 2018, 236, 240-259.	3.9	22
45	A chronology of environmental changes in the Lake VÃttern basin from deglaciation to its final isolation. Boreas, 2018, 47, 609-624.	2.4	12
46	Acoustic mapping of mixed layer depth. Ocean Science, 2018, 14, 503-514.	3.4	15
47	Bathymetry and oceanic flow structure at two deep passages crossing the Lomonosov Ridge. Ocean Science, 2018, 14, 1-13.	3.4	14
48	Sedimentary proxies for Pacific water inflow through the Herald Canyon, western Arctic Ocean. Arktos, 2018, 4, 1-13.	1.0	6
49	The Holocene retreat dynamics and stability of Petermann Glacier in northwest Greenland. Nature Communications, 2018, 9, 2104.	12.8	39
50	The Nippon Foundationâ€”GEBCO Seabed 2030 Project: The Quest to See the Worldâ€™s Oceans Completely Mapped by 2030. Geosciences (Switzerland), 2018, 8, 63.	2.2	252
51	Late Holocene paleoceanography in the Chukchi and Beaufort Seas, Arctic Ocean, based on benthic foraminifera and ostracodes. Arktos, 2018, 4, 1-17.	1.0	9
52	Seal Occurrence and Habitat Use during Summer in Petermann Fjord, Northwestern Greenland. Arctic, 2018, 71, .	0.4	3
53	New constraints on Arctic Ocean Mn stratigraphy from radiocarbon dating on planktonic foraminifera. Quaternary International, 2017, 447, 13-26.	1.5	9
54	Oceanographic influences on the stability of the Cosgrove Ice Shelf, Antarctica. Holocene, 2017, 27, 1645-1658.	1.7	20

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55	Glacial landforms and their implications for glacier dynamics in Rijpfjorden and Duvefjorden, northern Nordaustlandet, Svalbard. Journal of Quaternary Science, 2017, 32, 437-455.	2.1	25
56	Past ice flow in Wahlenbergfjorden and its implications for late Quaternary ice sheet dynamics in northeastern Svalbard. Quaternary Science Reviews, 2017, 163, 162-179.	3.0	31
57	The Bothnian Sea ice stream: early Holocene retreat dynamics of the southâ€central Fennoscandian Ice Sheet. Boreas, 2017, 46, 346-362.	2.4	39
58	Evidence of marine ice-cliff instability in Pine Island Bay from iceberg-keel plough marks. Nature, 2017, 550, 506-510.	27.8	57
59	BedMachine v3: Complete Bed Topography and Ocean Bathymetry Mapping of Greenland From Multibeam Echo Sounding Combined With Mass Conservation. Geophysical Research Letters, 2017, 44, 11051-11061.	4.0	536
60	Modeling fracture propagation and seafloor gas release during seafloor warmingâ€induced hydrate dissociation. Geophysical Research Letters, 2017, 44, 8510-8519.	4.0	19
61	Acoustic Mapping of Thermohaline Staircases in the Arctic Ocean. Scientific Reports, 2017, 7, 15192.	3.3	27
62	Sources and cycling of mercury in the paleo Arctic Ocean from Hg stable isotope variations in Eocene and Quaternary sediments. Geochimica Et Cosmochimica Acta, 2017, 197, 245-262.	3.9	31
63	Central Arctic Ocean paleoceanography from â€‰â^¼â€‰â€¯50â€¯ka to present, on the basis of ostracode faunal assemblages from the SWERUS 2014 expedition. Climate of the Past, 2017, 13, 1473-1489.	3.4	7
64	The 3.6â€¯ka Aniakchak tephra in the Arctic Ocean: a constraint on the Holocene radiocarbon reservoir age in the Chukchi Sea. Climate of the Past, 2017, 13, 303-316.	3.4	31
65	Pore water geochemistry along continental slopes north of the East Siberian Sea: inference of low methane concentrations. Biogeosciences, 2017, 14, 2929-2953.	3.3	22
66	The De Long Trough: a newly discovered glacial trough on the East Siberian continental margin. Climate of the Past, 2017, 13, 1269-1284.	3.4	22
67	Deglacial sea level history of the East Siberian Sea and Chukchi Sea margins. Climate of the Past, 2017, 13, 1097-1110.	3.4	25
68	Post-glacial flooding of the Bering Land Bridge dated to 11â€¯calâ€¯kaâ€¯BP based on new geophysical and sediment records. Climate of the Past, 2017, 13, 991-1005.	3.4	85
69	Shelfâ€“Basin interaction along the East Siberian Sea. Ocean Science, 2017, 13, 349-363.	3.4	34
70	Ice-shelf damming in the glacial Arctic Ocean: dynamical regimes of a basin-covering kilometre-thick ice shelf. Cryosphere, 2017, 11, 1745-1765.	3.9	9
71	Oceans Melting Greenland: Early Results from NASAâ€™s Ocean-Ice Mission in Greenland. , 2016, 29, 72-83.		75
72	Dynamic simulations of potential methane release from East Siberian continental slope sediments. Geochemistry, Geophysics, Geosystems, 2016, 17, 872-886.	2.5	30

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73	Arsenic stress after the Proterozoic glaciations. Scientific Reports, 2016, 5, 17789.	3.3	30
74	Introduction: an Atlas of Submarine Glacial Landforms. Geological Society Memoir, 2016, 46, 3-14.	1.7	35
75	The variety and distribution of submarine glacial landforms and implications for ice-sheet reconstruction. Geological Society Memoir, 2016, 46, 519-552.	1.7	50
76	Submarine glacial landform distribution in the central Arctic Ocean shelfâ€“slopeâ€“basin system. Geological Society Memoir, 2016, 46, 469-476.	1.7	9
77	Massive remobilization of permafrost carbon during post-glacial warming. Nature Communications, 2016, 7, 13653.	12.8	63
78	Evidence for an ice shelf covering the central Arctic Ocean during the penultimate glaciation. Nature Communications, 2016, 7, 10365.	12.8	133
79	Pockmarks on the Mendeleev Rise, central Arctic Ocean. Geological Society Memoir, 2016, 46, 297-298.	1.7	1
80	Mapping submarine glacial landforms using acoustic methods. Geological Society Memoir, 2016, 46, 17-40.	1.7	24
81	Permafrost patterns in the SE Laptev Sea, East Siberian Arctic Ocean. Geological Society Memoir, 2016, 46, 311-312.	1.7	0
82	Deep iceberg ploughmarks in the central Arctic Ocean. Geological Society Memoir, 2016, 46, 287-288.	1.7	3
83	Seafloor terraces and semi-circular depressions related to fluid discharge in Stockholm Archipelago, Baltic Sea. Geological Society Memoir, 2016, 46, 305-306.	1.7	2
84	Landform assemblage produced by ice-grounding events on the Yermak Plateau. Geological Society Memoir, 2016, 46, 329-332.	1.7	0
85	Drumlins in the Gulf of Bothnia. Geological Society Memoir, 2016, 46, 197-198.	1.7	5
86	Corrugation ridges in the Pine Island Bay glacier trough, West Antarctica. Geological Society Memoir, 2016, 46, 265-266.	1.7	5
87	Grounding-zone wedges on Antarctic continental shelves. Geological Society Memoir, 2016, 46, 243-244.	1.7	4
88	Postglacial tectonic structures and mass wasting in Lake VÃttern, southern Sweden. Geological Society Memoir, 2016, 46, 119-120.	1.7	2
89	Submarine glacial-landform distribution across the West Antarctic margin, from grounding line to slope: the Pine Islandâ€“Thwaites ice-stream system. Geological Society Memoir, 2016, 46, 493-500.	1.7	9
90	Bottom characterization of Lagoa das Furnas on SÃ£o Miguel, Azores archipelago. Journal of Volcanology and Geothermal Research, 2016, 321, 196-207.	2.1	7

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91	Surface heat flow measurements from the East Siberian continental slope and southern Lomonosov Ridge, Arctic Ocean. Geochemistry, Geophysics, Geosystems, 2016, 17, 1608-1622.	2.5	23
92	Overestimating climate warmingâ€induced methane gas escape from the seafloor by neglecting multiphase flow dynamics. Geophysical Research Letters, 2016, 43, 8703-8712.	4.0	20
93	Glacial landforms in a hard bedrock terrain, Melville Bay, northwestern Greenland. Geological Society Memoir, 2016, 46, 201-202.	1.7	2
94	Variations in glacial and interglacial marine conditions over the last two glacial cycles off northern Greenland. Quaternary Science Reviews, 2016, 147, 164-177.	3.0	14
95	Regional deglaciation and postglacial lake development as reflected in a 74Âm sedimentary record from Lake VÃttern, southern Sweden. Gff, 2016, 138, 336-354.	1.2	15
96	Geotechnical and sedimentary evidence for thick-grounded ice in southern Lake VÃttern during deglaciation. Gff, 2016, 138, 355-366.	1.2	8
97	International Bathymetric Chart of the Arctic Ocean (IBCAO). Encyclopedia of Earth Sciences Series, 2016, , 365-367.	0.1	1
98	Comments on: A global high-resolution data set of ice sheet topography, cavity geometry and ocean bathymetry. , 2016, , .		0
99	A new digital bathymetric model of the world's oceans. Earth and Space Science, 2015, 2, 331-345.	2.6	651
100	Recent geologicalâ€“geomorphological processes on the east Arctic shelf: Results of the expedition of the icebreaker Oden in 2014. Oceanology, 2015, 55, 926-929.	1.2	4
101	Mapping the Surficial Geology of the Arctic Ocean: A Layer for the IBCAO. , 2015, , .		1
102	Multiple reâ€advances of a Lake VÃttern outlet glacier during Fennoscandian Ice Sheet retreat, southâ€central Sweden. Boreas, 2015, 44, 619-637.	2.4	25
103	On the reconstruction of palaeo-ice sheets: Recent advances and future challenges. Quaternary Science Reviews, 2015, 125, 15-49.	3.0	125
104	High resolution mapping of offshore and onshore glaciogenic features in metamorphic bedrock terrain, Melville Bay, northwestern Greenland. Geomorphology, 2015, 250, 29-40.	2.6	19
105	Sounding the Northern Seas. Eos, 2015, 96, .	0.1	17
106	Arctic Ocean Bathymetry: A Necessary Geospatial Framework. Arctic, 2015, 68, 41.	0.4	6
107	Major earthquake at the Pleistocene-Holocene transition in Lake VÃttern, southern Sweden. Geology, 2014, 42, 379-382.	4.4	46
108	Ross Sea paleo-ice sheet drainage and deglacial history during and since the LGM. Quaternary Science Reviews, 2014, 100, 31-54.	3.0	145

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109	Reconstruction of changes in the Amundsen Sea and Bellingshausen Sea sector of the West Antarctic Ice Sheet since the Last Glacial Maximum. Quaternary Science Reviews, 2014, 100, 55-86.	3.0	94
110	The dynamic Arctic. Quaternary Science Reviews, 2014, 92, 1-8.	3.0	22
111	Arctic Ocean perennial sea ice breakdown during the Early Holocene Insolation Maximum. Quaternary Science Reviews, 2014, 92, 123-132.	3.0	29
112	Acoustic evidence of a submarine slide in the deepest part of the Arctic, the Molloy Hole. Geo-Marine Letters, 2014, 34, 315-325.	1.1	14
113	Glacial history and paleoceanography of the southern Yermak Plateau since 132ÂkaÂBP. Quaternary Science Reviews, 2014, 92, 155-169.	3.0	26
114	Arctic Ocean glacial history. Quaternary Science Reviews, 2014, 92, 40-67.	3.0	184
115	An Arctic perspective on dating Mid-Late Pleistocene environmental history. Quaternary Science Reviews, 2014, 92, 9-31.	3.0	48
116	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. Quaternary Science Reviews, 2014, 100, 1-9.	3.0	228
117	Estimating ventilation time scales using overturning stream functions. Ocean Dynamics, 2014, 64, 797-807.	2.2	1
118	Meltwater intensive glacial retreat in polar environments and investigation of associated sediments: example from Pine Island Bay, West Antarctica. Quaternary Science Reviews, 2014, 85, 99-118.	3.0	38
119	Middle to late Quaternary grain size variations and sea-ice rafting on the Lomonosov Ridge. Polar Research, 2014, 33, 23672.	1.6	15
120	A Cross-Polar Modeling Approach to Hindcast Paleo-Arctic Mega Icebergs: A Storyboard. Lecture Notes in Earth System Sciences, 2014, , 41-44.	0.6	0
121	Amino acid racemization in mono-specific foraminifera from Quaternary deep-sea sediments. Quaternary Geochronology, 2013, 16, 50-61.	1.4	24
122	The International Bathymetric Chart of the Southern Ocean (IBCSO) Version 1.0â€"A new bathymetric compilation covering circumâ€Antarctic waters. Geophysical Research Letters, 2013, 40, 3111-3117.	4.0	334
123	Carrier free 10Be/9Be measurements with low-energy AMS: Determination of sedimentation rates in the Arctic Ocean. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 67-71.	1.4	9
124	Statistical modeling of a former Arctic Ocean ice shelf complex using Antarctic analogies. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1105-1117.	2.8	9
125	Paleo ice flow and subglacial meltwater dynamics in Pine Island Bay, West Antarctica. Cryosphere, 2013, 7, 249-262.	3.9	91
126	Arctic Ocean Gas Hydrate Stability in a Changing Climate. Journal of Geological Research, 2013, 2013, 1-10.	0.7	21

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127	Biogenic and detrital-rich intervals in central Arctic Ocean cores identified using x-ray fluorescence scanning. Polar Research, 2013, 32, 18386.	1.6	28
128	Ice-flow switching and East/West Antarctic Ice Sheet roles in glaciation of the western Ross Sea. Bulletin of the Geological Society of America, 2012, 124, 1736-1749.	3.3	45
129	Observations in the Ocean. Atmospheric and Oceanographic Sciences Library, 2012, , 117-198.	0.1	33
130	Deep Arctic Ocean warming during the last glacial cycle. Nature Geoscience, 2012, 5, 631-634.	12.9	63
131	Late Quaternary spatial and temporal variability in Arctic deep-sea bioturbation and its relation to Mn cycles. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 365-366, 192-208.	2.3	42
132	Ice sheet retreat dynamics inferred from glacial morphology of the central Pine Island Bay Trough, West Antarctica. Quaternary Science Reviews, 2012, 38, 1-10.	3.0	94
133	Post-LGM deglaciation in Pine Island Bay, West Antarctica. Quaternary Science Reviews, 2012, 38, 11-26.	3.0	73
134	Recent glacially influenced sedimentary processes on the East Greenland continental slope and deep Greenland Basin. Quaternary Science Reviews, 2012, 49, 64-81.	3.0	25
135	Effusive and explosive volcanism on the ultraslowâ€spreading Gakkel Ridge, 85Â°E. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	18
136	The International Bathymetric Chart of the Arctic Ocean (IBCAO) Version 3.0. Geophysical Research Letters, 2012, 39, .	4.0	888
137	The Use of Bathymetric Data in Society and Science: A Review from the Baltic Sea. Ambio, 2012, 41, 138-150.	5.5	24
138	A model study of the first ventilated regime of the Arctic Ocean during the early Miocene. Polar Research, 2012, 31, 10859.	1.6	8
139	Modern dirty sea ice characteristics and sources: The role of anchor ice. Journal of Geophysical Research, 2011, 116, .	3.3	79
140	Capabilities and limitations of numerical ice sheet models: a discussion for Earth-scientists and modelers. Quaternary Science Reviews, 2011, 30, 3691-3704.	3.0	49
141	Quaternary Sedimentation in the Arctic Ocean: Recent Advances and Further Challenges. Oceanography, 2011, 24, 52-64.	1.0	37
142	Gridding heterogeneous bathymetric data sets with stacked continuous curvature splines in tension. Marine Geophysical Researches, 2011, 32, 493-501.	1.2	31
143	The sensitivity of the Late Saalian (140Âka) and LGM (21Âka) Eurasian ice sheets to sea surface conditions. Climate Dynamics, 2011, 37, 531-553.	3.8	13
144	Geological record of ice shelf break-up and grounding line retreat, Pine Island Bay, West Antarctica. Geology, 2011, 39, 691-694.	4.4	125

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145	A Synthesis of the Long-Term Paleoclimatic Evolution of the Arctic. Oceanography, 2011, 24, 66-80.	1.0	26
146	Ventilation of the Miocene Arctic Ocean: An idealized model study. Paleoceanography, 2010, 25, n/a-n/a.	3.0	8
147	Flow of Canadian basin deep water in the Western Eurasian Basin of the Arctic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 577-586.	1.4	19
148	Plio-Pleistocene trends in ice rafted debris on the Lomonosov Ridge. Quaternary International, 2010, 219, 168-176.	1.5	38
149	An Arctic Ocean ice shelf during MIS 6 constrained by new geophysical and geological data. Quaternary Science Reviews, 2010, 29, 3505-3517.	3.0	104
150	Quaternary Sea-ice history in the Arctic Ocean based on a new Ostracode sea-ice proxy. Quaternary Science Reviews, 2010, 29, 3415-3429.	3.0	78
151	High-resolution geophysical observations of the Yermak Plateau and northern Svalbard margin: implications for ice-sheet grounding and deep-keeled icebergs. Quaternary Science Reviews, 2010, 29, 3518-3531.	3.0	57
152	Spatial and temporal Arctic Ocean depositional regimes: a key to the evolution of ice drift and current patterns. Quaternary Science Reviews, 2010, 29, 3644-3664.	3.0	37
153	Quaternary Arctic Ocean sea ice variations and radiocarbon reservoir age corrections. Quaternary Science Reviews, 2010, 29, 3430-3441.	3.0	79
154	The role of an Arctic ice shelf in the climate of the MIS 6 glacial maximum (140Âka). Quaternary Science Reviews, 2010, 29, 3590-3597.	3.0	5
155	Submarine landforms and ice-sheet flow in the KvitÃ¸ya Trough, northwestern Barents Sea. Quaternary Science Reviews, 2010, 29, 3545-3562.	3.0	42
156	New insights on Arctic Quaternary climate variability from palaeo-records and numerical modelling. Quaternary Science Reviews, 2010, 29, 3349-3358.	3.0	43
157	Glacial geological implications of overconsolidated sediments on the Lomonosov Ridge and Yermak Plateau. Quaternary Science Reviews, 2010, 29, 3532-3544.	3.0	20
158	The role of currents and sea ice in both slowly deposited central Arctic and rapidly deposited Chukchiâ€“Alaskan margin sediments. Global and Planetary Change, 2009, 68, 58-72.	3.5	109
159	Influence of regional parameters on the surface mass balance of the Eurasian ice sheet during the peak Saalian (140Âkya). Global and Planetary Change, 2009, 68, 132-148.	3.5	34
160	Pleistocene variations of beryllium isotopes in central Arctic Ocean sediment cores. Global and Planetary Change, 2009, 68, 38-47.	3.5	25
161	The 2005 HOTRAX Expedition to the Arctic Ocean. Global and Planetary Change, 2009, 68, 1-4.	3.5	19
162	Sensitivity of the Late Saalian (140 kyrs BP) and LGM (21 kyrs BP) Eurasian ice sheet surface mass balance to vegetation feedbacks. Geophysical Research Letters, 2009, 36, .	4.0	16

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163	Glacial geomorphology of the Central Arctic Ocean: the Chukchi Borderland and the Lomonosov Ridge. Earth Surface Processes and Landforms, 2008, 33, 526-545.	2.5	71
164	Explosive volcanism on the ultraslow-spreading Gakkel ridge, Arctic Ocean. Nature, 2008, 453, 1236-1238.	27.8	127
165	The last stampede of a glacial lake. Nature Geoscience, 2008, 1, 152-153.	12.9	3
166	Arctic Ocean manganese contents and sediment colour cycles. Polar Research, 2008, 27, 105-113.	1.6	60
167	Foreword to the special issue: Arctic Palaeoclimate and Its Extremes (APEX). Polar Research, 2008, 27, 97-104.	1.6	6
168	Age model and coreâ€seismic integration for the Cenozoic Arctic Coring Expedition sediments from the Lomonosov Ridge. Paleoceanography, 2008, 23, .	3.0	157
169	Beryllium isotopes in central Arctic Ocean sediments over the past 12.3 million years: Stratigraphic and paleoclimatic implications. Paleoceanography, 2008, 23, .	3.0	71
170	Constraints on the Pleistocene chronology of sediments from the Lomonosov Ridge. Paleoceanography, 2008, 23, .	3.0	80
171	Midâ€Cenozoic tectonic and paleoenvironmental setting of the central Arctic Ocean. Paleoceanography, 2008, 23, .	3.0	35
172	Sedimentary regimes in Arctic's Amerasian and Eurasian Basins: Clues to differences in sedimentation rates. Global and Planetary Change, 2008, 61, 275-284.	3.5	15
173	An improved bathymetric portrayal of the Arctic Ocean: Implications for ocean modeling and geological, geophysical and oceanographic analyses. Geophysical Research Letters, 2008, 35, .	4.0	410
174	How True are Geological Maps? An Exercise in Geological Mapping. Journal of Geoscience Education, 2008, 56, 297-301.	1.4	4
175	Bathymetry and deep-water exchange across the central Lomonosov Ridge at 88â€“89Â°N. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1197-1208.	1.4	59
176	Reconstructing the Younger Dryas ice dammed lake in the Baltic Basin: Bathymetry, area and volume. Global and Planetary Change, 2007, 57, 355-370.	3.5	86
177	The early Miocene onset of a ventilated circulation regime in the Arctic Ocean. Nature, 2007, 447, 986-990.	27.8	208
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