

Julian A Dowdeswell

List of Publications by Year in descending order

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Version: 2024-02-01

417
papers

21,745
citations

7568

77
h-index

14208

128
g-index

443
all docs

443
docs citations

443
times ranked

9591
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Quaternary ice sheet history of northern Eurasia. <i>Quaternary Science Reviews</i> , 2004, 23, 1229-1271.	3.0	1,279
2	The International Bathymetric Chart of the Arctic Ocean (IBCAO) Version 3.0. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	888
3	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.	4.0	536
4	Submarine landforms and the reconstruction of fast-flowing ice streams within a large Quaternary ice sheet: The 2500-km-long Norwegian-Svalbard margin (57°N-80°N). <i>Bulletin of the Geological Society of America</i> , 2005, 117, 1033.	3.3	351
5	A new bed elevation dataset for Greenland. <i>Cryosphere</i> , 2013, 7, 499-510.	3.9	341
6	Maximum extent of the Eurasian ice sheets in the Barents and Kara Sea region during the Weichselian. <i>Boreas</i> , 1999, 28, 234-242.	2.4	322
7	THE NORWEGIAN-“GREENLAND SEA CONTINENTAL MARGINS: MORPHOLOGY AND LATE QUATERNARY SEDIMENTARY PROCESSES AND ENVIRONMENT. <i>Quaternary Science Reviews</i> , 1998, 17, 273-302.	3.0	310
8	Evolution of subglacial bedforms along a paleo-ice stream, Antarctic Peninsula continental shelf. <i>Geophysical Research Letters</i> , 2002, 29, 41-1-41-4.	4.0	272
9	Flow dynamics and till genesis associated with a marine-based Antarctic palaeo-ice stream. <i>Quaternary Science Reviews</i> , 2005, 24, 709-740.	3.0	262
10	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 1-9.	3.0	228
11	Characterization of pebble fabrics in modern terrestrial glacial sediments. <i>Sedimentology</i> , 1986, 33, 699-710.	3.1	212
12	Submarine glacial landforms and rates of ice-stream collapse. <i>Geology</i> , 2008, 36, 819.	4.4	206
13	Iceberg production, debris rafting, and the extent and thickness of Heinrich layers (H-1, H-2) in North Atlantic sediments. <i>Geology</i> , 1995, 23, 301.	4.4	204
14	The duration of the active phase on surge-type glaciers: contrasts between Svalbard and other regions. <i>Journal of Glaciology</i> , 1991, 37, 388-400.	2.2	200
15	Thickness and extent of the subglacial till layer beneath an Antarctic paleo-“ice stream. <i>Geology</i> , 2004, 32, 13.	4.4	197
16	The Mass Balance of Circum-Arctic Glaciers and Recent Climate Change. <i>Quaternary Research</i> , 1997, 48, 1-14.	1.7	194
17	Arctic Ocean glacial history. <i>Quaternary Science Reviews</i> , 2014, 92, 40-67.	3.0	184
18	Laminated sediments in glacial marine environments: diagnostic criteria for their interpretation. <i>Quaternary Science Reviews</i> , 2001, 20, 1411-1436.	3.0	183

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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.	3.0	183
20	Assemblages of submarine landforms produced by tidewater glaciers in Svalbard. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	178
21	Calibrating the Late Ordovician glaciation and mass extinction by the eccentricity cycles of Earth's orbit. <i>Geology</i> , 2000, 28, 967.	4.4	175
22	Ice-stream stability on a reverse bed slope. <i>Nature Geoscience</i> , 2012, 5, 799-802.	12.9	174
23	How accurate are estimates of glacier ice thickness? Results from ITMIX, the Ice Thickness Models Intercomparison eXperiment. <i>Cryosphere</i> , 2017, 11, 949-970.	3.9	173
24	GLACIMARINE SEDIMENTARY PROCESSES AND FACIES ON THE POLAR NORTH ATLANTIC MARGINS. <i>Quaternary Science Reviews</i> , 1998, 17, 243-272.	3.0	164
25	The seismic architecture and geometry of grounding-zone wedges formed at the marine margins of past ice sheets. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 1750-1761.	3.3	159
26	Palaeo-ice streams, trough mouth fans and high-latitude continental slope sedimentation. <i>Boreas</i> , 2003, 32, 37-55.	2.4	156
27	On the Net Mass Balance of the Glaciers and Ice Caps in Svalbard, Norwegian Arctic, Antarctic, and Alpine Research, 2003, 35, 264-270.	1.1	149
28	Ice elevation and areal changes of glaciers from the Northern Patagonia Icefield, Chile. <i>Global and Planetary Change</i> , 2007, 59, 126-137.	3.5	147
29	Iceberg scouring in Scoresby Sund and on the East Greenland continental shelf. <i>Marine Geology</i> , 1993, 111, 37-53.	2.1	146
30	Large-scale sedimentation on the glacier-influenced polar North Atlantic Margins: Long-range side-scan sonar evidence. <i>Geophysical Research Letters</i> , 1996, 23, 3535-3538.	4.0	144
31	The origin of massive diamicton facies by iceberg rafting and scouring, Scoresby Sund, East Greenland. <i>Sedimentology</i> , 1994, 41, 21-35.	3.1	143
32	Ice-sheet grounding-zone wedges (GZWs) on high-latitude continental margins. <i>Marine Geology</i> , 2015, 363, 65-92.	2.1	142
33	Oceanic heat transport onto the Amundsen Sea shelf through a submarine glacial trough. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	140
34	The evolution of the Patagonian Ice Sheet from 35 ka to the present day (PATICE). <i>Earth-Science Reviews</i> , 2020, 204, 103152.	9.1	137
35	Debris entrainment and transfer in polythermal valley glaciers. <i>Journal of Glaciology</i> , 1999, 45, 69-86.	2.2	136
36	Sediment deposition in an iceberg-dominated glacimarine environment, East Greenland: basin fill implications. <i>Global and Planetary Change</i> , 1996, 12, 251-270.	3.5	134

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37	Keel depths of modern Antarctic icebergs and implications for sea-floor scouring in the geological record. <i>Marine Geology</i> , 2007, 243, 120-131.	2.1	134
38	Modelling the Eurasian Ice Sheet through a full (Weichselian) glacial cycle. <i>Global and Planetary Change</i> , 2001, 31, 367-385.	3.5	133
39	Investigations of the form and flow of ice sheets and glaciers using radio-echo sounding. <i>Reports on Progress in Physics</i> , 2004, 67, 1821-1861.	20.1	132
40	Ice-sheet numerical modeling and marine geophysical measurements of glacier-derived sedimentation on the Eurasian Arctic continental margins. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 1080-1097.	3.3	131
41	Reconstruction of ice-sheet changes in the Antarctic Peninsula since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 87-110.	3.0	129
42	The International Bathymetric Chart of the Arctic Ocean Version 4.0. <i>Scientific Data</i> , 2020, 7, 176.	5.3	129
43	Anatomy of Heinrich Layer 1 and its role in the last deglaciation. <i>Paleoceanography</i> , 2017, 32, 284-303.	3.0	128
44	Submarine landforms characteristic of glacier surges in two Spitsbergen fjords. <i>Quaternary Science Reviews</i> , 2008, 27, 1583-1599.	3.0	126
45	Geological record of ice shelf break-up and grounding line retreat, Pine Island Bay, West Antarctica. <i>Geology</i> , 2011, 39, 691-694.	4.4	125
46	An extensive and dynamic ice sheet on the West Greenland shelf during the last glacial cycle. <i>Geology</i> , 2013, 41, 219-222.	4.4	123
47	Dynamics of the Late Weichselian ice sheet on Svalbard inferred from high-resolution sea-floor morphology. <i>Boreas</i> , 2007, 36, 286-306.	2.4	122
48	An interglacial ice-stream glaciated margin: Submarine landforms and a geomorphic model based on marine-geophysical data from Svalbard. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 1647-1665.	3.3	120
49	Evidence for glaciation in the Northern Hemisphere back to 44 Ma from ice-rafted debris in the Greenland Sea. <i>Earth and Planetary Science Letters</i> , 2008, 265, 112-122.	4.4	117
50	On the origin and flow behavior of submarine slides on deep-sea fans along the Norwegian-Barents Sea continental margin. <i>Geo-Marine Letters</i> , 1997, 17, 119-125.	1.1	113
51	Numerical reconstructions of the Eurasian Ice Sheet and climate during the Late Weichselian. <i>Quaternary Science Reviews</i> , 2004, 23, 1273-1283.	3.0	111
52	Mass balance change as a control on the frequency and occurrence of glacier surges in Svalbard, Norwegian High Arctic. <i>Geophysical Research Letters</i> , 1995, 22, 2909-2912.	4.0	108
53	The dimensions and topographic setting of Antarctic subglacial lakes and implications for large-scale water storage beneath continental ice sheets. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 254-263.	3.3	106
54	The Andøya Slide and the Andøya Canyon, north-eastern Norwegian Greenland Sea. <i>Marine Geology</i> , 2000, 162, 259-275.	2.1	106

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55	The physiography of High Arctic cross-shelf troughs. <i>Quaternary Science Reviews</i> , 2014, 92, 68-96.	3.0	106
56	An Arctic Ocean ice shelf during MIS 6 constrained by new geophysical and geological data. <i>Quaternary Science Reviews</i> , 2010, 29, 3505-3517.	3.0	104
57	An origin for laminated glacial marine sediments through sea-ice build-up and suppressed iceberg rafting. <i>Sedimentology</i> , 2000, 47, 557-576.	3.1	102
58	Geological constraints on Antarctic palaeo-ice stream retreat. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 513-525.	2.5	101
59	Continental slope morphology and sedimentary processes at the mouth of an Antarctic palaeo-ice stream. <i>Marine Geology</i> , 2004, 204, 203-214.	2.1	99
60	Extent and dynamics of the West Antarctic Ice Sheet on the outer continental shelf of Pine Island Bay during the last glaciation. <i>Marine Geology</i> , 2006, 230, 53-72.	2.1	99
61	The distribution and flow characteristics of surge-type glaciers in the Canadian High Arctic. <i>Annals of Glaciology</i> , 2003, 36, 73-81.	1.4	97
62	ATMOSPHERIC SCIENCE: The Greenland Ice Sheet and Global Sea-Level Rise. <i>Science</i> , 2006, 311, 963-964.	12.6	97
63	Debris in Icebergs and Rates of Glaci-Marine Sedimentation: Observations from Spitsbergen and a Simple Model. <i>Journal of Geology</i> , 1989, 97, 221-231.	1.4	96
64	The sizes, frequencies, and freeboards of East Greenland icebergs observed using ship radar and sextant. <i>Journal of Geophysical Research</i> , 1992, 97, 3515-3528.	3.3	95
65	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.	3.0	94
66	Controls on glacier surging in Svalbard. <i>Journal of Glaciology</i> , 1996, 42, 157-168.	2.2	93
67	Flow and retreat of the Late Quaternary Pine Island-Thwaites palaeo-ice stream, West Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	93
68	Warming of waters in an East Greenland fjord prior to glacier retreat: mechanisms and connection to large-scale atmospheric conditions. <i>Cryosphere</i> , 2011, 5, 701-714.	3.9	93
69	Late Weichselian Glaciation of the Russian High Arctic. <i>Quaternary Research</i> , 1999, 52, 273-285.	1.7	92
70	Late Quaternary ice flow in a West Greenland fjord and cross-shelf trough system: submarine landforms from Rink Isbrae to Uummannaq shelf and slope. <i>Quaternary Science Reviews</i> , 2014, 92, 292-309.	3.0	91
71	Flow switching and large-scale deposition by ice streams draining former ice sheets. <i>Geology</i> , 2006, 34, 313.	4.4	90
72	Timing and significance of glacially influenced mass-wasting in the submarine channels of the Greenland Basin. <i>Marine Geology</i> , 2004, 207, 39-54.	2.1	89

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73	Ice-stream retreat and ice-shelf history in Marguerite Trough, Antarctic Peninsula: Sedimentological and foraminiferal signatures. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 997-1015.	3.3	88
74	On The Nature of Svalbard Icebergs. <i>Journal of Glaciology</i> , 1989, 35, 224-234.	2.2	87
75	A major trough-mouth fan on the continental margin of the Bellingshausen Sea, West Antarctica: The Belgica Fan. <i>Marine Geology</i> , 2008, 252, 129-140.	2.1	87
76	Rates of sediment delivery from the Fennoscandian Ice Sheet through an ice age. <i>Geology</i> , 2010, 38, 3-6.	4.4	85
77	Controls on glacier surging in Svalbard. <i>Journal of Glaciology</i> , 1996, 42, 157-168.	2.2	84
78	Past ice-sheet flow east of Svalbard inferred from streamlined subglacial landforms. <i>Geology</i> , 2010, 38, 163-166.	4.4	79
79	The hydrochemistry of meltwaters draining a polythermal-based, high Arctic glacier, south Svalbard: I. The ablation season. <i>Hydrological Processes</i> , 1998, 12, 1825-1849.	2.6	78
80	GLACIAL AND OCEANIC HISTORY OF THE POLAR NORTH ATLANTIC MARGINS: AN OVERVIEW. <i>Quaternary Science Reviews</i> , 1998, 17, 1-10.	3.0	78
81	Iceberg calving flux and mass balance of the Austfonna ice cap on Nordaustlandet, Svalbard. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	78
82	Drainage-Basin Characteristics of Nordaustlandet Ice Caps, Svalbard. <i>Journal of Glaciology</i> , 1986, 32, 31-38.	2.2	77
83	Marine geophysical evidence for former expansion and flow of the Greenland Ice Sheet across the north-east Greenland continental shelf. <i>Journal of Quaternary Science</i> , 2009, 24, 279-293.	2.1	77
84	Paleoenvironments during Younger Dryas-early Holocene retreat of the Greenland Ice Sheet from outer Disko Trough, central west Greenland. <i>Journal of Quaternary Science</i> , 2014, 29, 27-40.	2.1	77
85	Sediment-rich meltwater plumes and ice-proximal fans at the margins of modern and ancient tidewater glaciers: Observations and modelling. <i>Sedimentology</i> , 2015, 62, 1665-1692.	3.1	77
86	Asynchronous deposition of ice-rafted layers in the Nordic seas and North Atlantic Ocean. <i>Nature</i> , 1999, 400, 348-351.	27.8	76
87	Morphology, sedimentary infill and depositional environments of the Early Quaternary North Sea Basin (56°N-62°N). <i>Marine and Petroleum Geology</i> , 2014, 56, 123-146.	3.3	75
88	The timing of initiation of fast-flowing ice streams during a glacial cycle inferred from glacial marine sedimentation. <i>Marine Geology</i> , 2002, 188, 3-14.	2.1	74
89	Late Weichselian iceberg, surface-melt and sediment production from the Eurasian Ice Sheet: results from numerical ice-sheet modelling. <i>Marine Geology</i> , 2002, 188, 109-127.	2.1	74
90	Morphology and sedimentary processes on the continental slope off Pine Island Bay, Amundsen Sea, West Antarctica. <i>Bulletin of the Geological Society of America</i> , 2006, 118, 606-619.	3.3	74

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91	Flow of the West Antarctic Ice Sheet on the continental margin of the Bellingshausen Sea at the Last Glacial Maximum. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	72
92	Thrusting and debris entrainment in a surging glacier: Bakaninbreen, Svalbard. <i>Annals of Glaciology</i> , 1996, 22, 241-248.	1.4	71
93	Morphology of the upper continental slope in the Bellingshausen and Amundsen Seas – Implications for sedimentary processes at the shelf edge of West Antarctica. <i>Marine Geology</i> , 2009, 258, 100-114.	2.1	71
94	Submarine landforms in the fjords of southern Chile: implications for glacimarine processes and sedimentation in a mild glacier-influenced environment. <i>Quaternary Science Reviews</i> , 2013, 64, 1-19.	3.0	71
95	Submarine landforms and shallow acoustic stratigraphy of a 400km-long fjord-shelf-slope transect, Kangerlussuaq margin, East Greenland. <i>Quaternary Science Reviews</i> , 2010, 29, 3359-3369.	3.0	70
96	Radio Echo-Sounding of Spitsbergen Glaciers: Problems in the Interpretation of Layer and Bottom Returns. <i>Journal of Glaciology</i> , 1984, 30, 16-21.	2.2	69
97	The size and frequency of icebergs and bergy bits derived from tidewater glaciers in Kongsfjorden, northwest Spitsbergen. <i>Polar Research</i> , 1992, 11, 81-91.	1.6	69
98	Holocene glacimarine sedimentation, inner Scoresby Sund, East Greenland: the influence of fast-flowing ice-sheet outlet glaciers. <i>Marine Geology</i> , 2001, 175, 103-129.	2.1	69
99	Basal melting of Ross Ice Shelf from solar heat absorption in an ice-front polynya. <i>Nature Geoscience</i> , 2019, 12, 435-440.	12.9	69
100	Geometric evolution and ice dynamics during a surge of Bakaninbreen, Svalbard. <i>Journal of Glaciology</i> , 1998, 44, 263-272.	2.2	68
101	Flow dynamics and iceberg calving rates of Devon Ice Cap, Nunavut, Canada. <i>Journal of Glaciology</i> , 2005, 51, 219-230.	2.2	68
102	Evidence of a hydrological connection between the ice divide and ice sheet margin in the Aurora Subglacial Basin, East Antarctica. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	68
103	Geophysical constraints on the dynamics and retreat of the Barents Sea ice sheet as a paleobenchmark for models of marine ice sheet deglaciation. <i>Reviews of Geophysics</i> , 2015, 53, 1051-1098.	23.0	68
104	Autonomous underwater vehicles (AUVs) and investigations of the ice-ocean interface in Antarctic and Arctic waters. <i>Journal of Glaciology</i> , 2008, 54, 661-672.	2.2	67
105	Buried iceberg ploughmarks in the early Quaternary sediments of the central North Sea: A two-million year record of glacial influence from 3D seismic data. <i>Marine Geology</i> , 2013, 344, 1-9.	2.1	66
106	Form and flow of the Devon Island Ice Cap, Canadian Arctic. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	64
107	The glacier-influenced Scoresby Sund Fan, East Greenland continental margin: evidence from GLORIA and 3.5 kHz records. <i>Marine Geology</i> , 1997, 143, 207-221.	2.1	63
108	Till characteristics, genesis and transport beneath Antarctic paleo-ice streams. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	63

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109	Evidence for full-glacial flow and retreat of the Late Weichselian Ice Sheet from the waters around Kong Karls Land, eastern Svalbard. <i>Quaternary Science Reviews</i> , 2010, 29, 3563-3582.	3.0	62
110	Greenland subglacial lakes detected by radar. <i>Geophysical Research Letters</i> , 2013, 40, 6154-6159.	4.0	62
111	Deglaciation of a major palaeo-ice stream in Disko Trough, West Greenland. <i>Quaternary Science Reviews</i> , 2016, 147, 5-26.	3.0	62
112	Spatial variations in heat at the base of the Antarctic ice sheet from analysis of the thermal regime above subglacial lakes. <i>Journal of Glaciology</i> , 1996, 42, 501-509.	2.2	60
113	Seismic architecture and sedimentation in northwest Spitsbergen fjords. <i>Marine Geology</i> , 1992, 103, 53-68.	2.1	59
114	Glacimarine lithofacies, provenance and depositional processes on a West Greenland troughâ€™mouth fan. <i>Journal of Quaternary Science</i> , 2013, 28, 13-26.	2.1	59
115	Velocity structure, flow instability and mass flux on a large Arctic ice cap from satellite radar interferometry. <i>Earth and Planetary Science Letters</i> , 1999, 167, 131-140.	4.4	58
116	The sedimentary legacy of a palaeo-ice stream on the shelf of the southern Bellingshausen Sea: Clues to West Antarctic glacial history during the Late Quaternary. <i>Quaternary Science Reviews</i> , 2010, 29, 2741-2763.	3.0	58
117	Modeling glacial meltwater plume dynamics and sedimentation in high-latitude fjords. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	58
118	The physiography of modern Antarctic subglacial lakes. <i>Global and Planetary Change</i> , 2003, 35, 221-236.	3.5	57
119	Anomalous recent growth of part of a large Arctic ice cap: Austfonna, Svalbard. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	57
120	The Late Quaternary sedimentary record in Scoresby Sund, East Greenland. <i>Boreas</i> , 1994, 23, 294-310.	2.4	57
121	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.	3.0	57
122	Evidence of marine ice-cliff instability in Pine Island Bay from iceberg-keel plough marks. <i>Nature</i> , 2017, 550, 506-510.	27.8	57
123	Hydrochemistry of meltwaters draining a polythermal-based, high-Arctic glacier, south Svalbard: II. Winter and early Spring. <i>Hydrological Processes</i> , 2000, 14, 1767-1786.	2.6	55
124	Debris entrainment and transfer in polythermal valley glaciers. <i>Journal of Glaciology</i> , 1999, 45, 69-86.	2.2	55
125	Calculating ice volumes and ice flux to constrain the dimensions of a 440 Ma North African ice sheet. <i>Journal of the Geological Society</i> , 2009, 166, 277-281.	2.1	53
126	Modelling the mass balance of northwest Spitsbergen glaciers and responses to climate change. <i>Annals of Glaciology</i> , 1997, 24, 203-210.	1.4	52

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127	Glaciological applications with Landsat-7 imagery: Early assessments. <i>Remote Sensing of Environment</i> , 2001, 78, 163-179.	11.0	52
128	Late Quaternary Iceberg Rafting along the Antarctic Peninsula Continental Rise and in the Weddell and Scotia Seas. <i>Quaternary Research</i> , 2001, 56, 308-321.	1.7	52
129	Elevation changes measured on Svalbard glaciers and ice caps from airborne laser data. <i>Annals of Glaciology</i> , 2005, 42, 202-208.	1.4	52
130	Basal topographic controls on rapid retreat of Humboldt Glacier, northern Greenland. <i>Journal of Glaciology</i> , 2015, 61, 137-150.	2.2	52
131	Bathymetry data reveal glaciers vulnerable to ice-ocean interaction in Uummannaq and Vaigat glacial fjords, west Greenland. <i>Geophysical Research Letters</i> , 2016, 43, 2667-2674.	4.0	52
132	The Surface Topography of Large Ice Masses from Landsat Imagery. <i>Journal of Glaciology</i> , 1987, 33, 16-23.	2.2	51
133	The variety and distribution of submarine glacial landforms and implications for ice-sheet reconstruction. <i>Geological Society Memoir</i> , 2016, 46, 519-552.	1.7	50
134	Form and flow of the Academy of Sciences Ice Cap, Severnaya Zemlya, Russian High Arctic. <i>Journal of Geophysical Research</i> , 2002, 107, EPM 5-1-EPM 5-15.	3.3	49
135	Late Quaternary submarine bedforms and ice-sheet flow in Gerlache Strait and on the adjacent continental shelf, Antarctic Peninsula. <i>Journal of Quaternary Science</i> , 2004, 19, 397-407.	2.1	49
136	Geomorphic signature of Antarctic submarine gullies: Implications for continental slope processes. <i>Marine Geology</i> , 2013, 337, 112-124.	2.1	48
137	Thrusting and debris entrainment in a surging glacier: Bakaninbreen, Svalbard. <i>Annals of Glaciology</i> , 1996, 22, 241-248.	1.4	47
138	Identification and preservation of landforms diagnostic of past ice-sheet activity on continental shelves from three-dimensional seismic evidence. <i>Geology</i> , 2007, 35, 359.	4.4	47
139	Glacier velocities and dynamic ice discharge from the Queen Elizabeth Islands, Nunavut, Canada. <i>Geophysical Research Letters</i> , 2014, 41, 484-490.	4.0	47
140	The Dynamics of Austfonna, Nordaustlandet, Svalbard: Surface Velocities, Mass Balance, and Subglacial Melt Water. <i>Annals of Glaciology</i> , 1989, 12, 37-45.	1.4	45
141	Ice stream retreat following the LGM and onset of the west Greenland current in Uummannaq Trough, west Greenland. <i>Quaternary Science Reviews</i> , 2016, 147, 27-46.	3.0	45
142	Massive destabilization of an Arctic ice cap. <i>Earth and Planetary Science Letters</i> , 2018, 502, 146-155.	4.4	45
143	Flow regime of the Lambert Glacier-Amery Ice Shelf system, Antarctica: structural evidence from Landsat imagery. <i>Annals of Glaciology</i> , 1994, 20, 401-406.	1.4	45
144	Quiescent-phase changes in velocity and geometry of Finsterwalderbreen, a surge-type glacier in Svalbard. <i>Annals of Glaciology</i> , 1997, 24, 249-254.	1.4	43

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145	A surge of Perseibreen, Svalbard, examined using aerial photography and ASTER high resolution satellite imagery. <i>Polar Research</i> , 2003, 22, 373-383.	1.6	43
146	Rapid dynamic activation of a marine-based Arctic ice cap. <i>Geophysical Research Letters</i> , 2014, 41, 8902-8909.	4.0	43
147	A new bathymetry of the Northeast Greenland continental shelf: Constraints on glacial and other processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3733-3753.	2.5	43
148	Late Weichselian depositional processes, fluxes, and sediment volumes on the margins of the Norwegian Sea (62°–75°N). <i>Marine Geology</i> , 2002, 188, 61-77.	2.1	42
149	Submarine landforms and ice-sheet flow in the KvitÅya Trough, northwestern Barents Sea. <i>Quaternary Science Reviews</i> , 2010, 29, 3545-3562.	3.0	42
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