

# Áslaug Geirsdóttir

## List of Publications by Year in descending order

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78  
papers

4,724  
citations

136740

32  
h-index

98622

67  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Holocene thermal maximum in the western Arctic (0°–180°W). <i>Quaternary Science Reviews</i> , 2004, 23, 529-560.	1.4	720
2	Recent Warming Reverses Long-Term Arctic Cooling. <i>Science</i> , 2009, 325, 1236-1239.	6.0	585
3	Abrupt onset of the Little Ice Age triggered by volcanism and sustained by sea-ice/ocean feedbacks. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	544
4	Glacier fluctuations during the past 2000 years. <i>Quaternary Science Reviews</i> , 2016, 149, 61-90.	1.4	162
5	Holocene and latest Pleistocene climate and glacier fluctuations in Iceland. <i>Quaternary Science Reviews</i> , 2009, 28, 2107-2118.	1.4	141
6	Centennial-scale climate change from decadal-paced explosive volcanism: a coupled sea ice-ocean mechanism. <i>Climate Dynamics</i> , 2011, 37, 2373-2387.	1.7	118
7	The N and W Iceland Shelf: insights into Last Glacial Maximum ice extent and deglaciation based on acoustic stratigraphy and basal radiocarbon AMS dates. <i>Quaternary Science Reviews</i> , 2000, 19, 619-631.	1.4	110
8	A 3000-year varved record of glacier activity and climate change from the proglacial lake Hvítárvatn, Iceland. <i>Quaternary Science Reviews</i> , 2011, 30, 2715-2731.	1.4	107
9	Non-linear Holocene climate evolution in the North Atlantic: a high-resolution, multi-proxy record of glacier activity and environmental change from Hvítárvatn, central Iceland. <i>Quaternary Science Reviews</i> , 2012, 39, 14-25.	1.4	89
10	Abrupt Holocene climate transitions in the northern North Atlantic region recorded by synchronized lacustrine records in Iceland. <i>Quaternary Science Reviews</i> , 2013, 70, 48-62.	1.4	86
11	Growth of an Intermittent Ice Sheet in Iceland during the Late Pliocene and Early Pleistocene. <i>Quaternary Research</i> , 1994, 42, 115-130.	1.0	78
12	A 2000-year record of climate variations reconstructed from Haukadalsvatn, West Iceland. <i>Journal of Paleolimnology</i> , 2009, 41, 95-115.	0.8	78
13	Efstadalsvatn – a multi-proxy study of a Holocene lacustrine sequence from NW Iceland. <i>Journal of Paleolimnology</i> , 2003, 30, 55-73.	0.8	74
14	Holocene variability of the North Atlantic Irminger current on the south- and northwest shelf of Iceland. <i>Marine Micropaleontology</i> , 2010, 77, 101-118.	0.5	68
15	Glaciation, erosion, and landscape evolution of Iceland. <i>Journal of Geodynamics</i> , 2007, 43, 170-186.	0.7	66
16	Variability in drift ice export from the Arctic Ocean to the North Icelandic Shelf over the last 8000 years: A multi-proxy evaluation. <i>Quaternary Science Reviews</i> , 2016, 146, 99-115.	1.4	66
17	Distribution, sediment magnetism and geochemistry of the Saksunarvatn (10 180 ± 60 cal. yr BP) tephra in marine, lake, and terrestrial sediments, northwest Iceland. <i>Journal of Quaternary Science</i> , 2002, 17, 731-745.	1.1	64
18	Multicentury-Scale Records of Carbonate (Hydrographic?) Variability on the Northern Iceland Margin over the Last 5000 Years. <i>Quaternary Research</i> , 2001, 56, 199-206.	1.0	59

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19	A 36 Ky record of iceberg rafting and sedimentation from north-west Iceland. <i>Polar Research</i> , 2002, 21, 291-298.	1.6	58
20	Holocene temperature history of northern Iceland inferred from subfossil midges. <i>Quaternary Science Reviews</i> , 2007, 26, 3344-3358.	1.4	53
21	Holocene climate conditions and glacier variation in central Iceland from physical modelling and empirical evidence. <i>Quaternary Science Reviews</i> , 2008, 27, 797-813.	1.4	53
22	Glacial extent and catastrophic meltwater events during the deglaciation of Southern Iceland. <i>Quaternary Science Reviews</i> , 2000, 19, 1749-1761.	1.4	52
23	Late Quaternary glacial and deglacial history of eastern Vestfirðir, Iceland using cosmogenic isotope ( <sup>36</sup> Cl) exposure ages and marine cores. <i>Journal of Quaternary Science</i> , 2006, 21, 271-285.	1.1	52
24	Climate of the Little Ice Age and the past 2000 years in northeast Iceland inferred from chironomids and other lake sediment proxies. <i>Journal of Paleolimnology</i> , 2009, 41, 7-24.	0.8	48
25	Revised fractional abundances and warm-season temperatures substantially improve brGDGT calibrations in lake sediments. <i>Biogeosciences</i> , 2021, 18, 3579-3603.	1.3	46
26	A 36 Ky record of iceberg rafting and sedimentation from north-west Iceland. <i>Polar Research</i> , 2002, 21, 291-298.	1.6	46
27	North Atlantic-Fennoscandian Holocene climate trends and mechanisms. <i>Quaternary Science Reviews</i> , 2016, 147, 365-378.	1.4	45
28	Glacier fluctuation and inferred climatology of Langjökull ice cap through the Little Ice Age. <i>Quaternary Science Reviews</i> , 2007, 26, 2337-2353.	1.4	42
29	The Depositional History of the Younger Dryas-Preboreal Budi Moraines in South-Central Iceland. <i>Arctic and Alpine Research</i> , 1997, 29, 13.	1.3	41
30	Holocene tephra from Iceland and Alaska in SE Greenland Shelf Sediments. <i>Geological Society Special Publication</i> , 2014, 398, 157-193.	0.8	39
31	The onset of neoglaciation in Iceland and the 4.2 ka event. <i>Climate of the Past</i> , 2019, 15, 25-40.	1.3	38
32	Synchronizing Holocene lacustrine and marine sediment records using paleomagnetic secular variation. <i>Geology</i> , 2013, 41, 535-538.	2.0	34
33	Holocene sediment properties of the East Greenland and Iceland continental shelves bordering Denmark Strait (64-68°N), North Atlantic. <i>Sedimentology</i> , 2002, 49, 5-24.	1.6	33
34	Evolution of NAO and AMO strength and cyclicity derived from a 3-ka varve-thickness record from Iceland. <i>Quaternary Science Reviews</i> , 2013, 69, 142-154.	1.4	31
35	Stabilization of glaciers terminating in closed water bodies: Evidence and broader implications. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	30
36	Do paleoclimate proxies agree? A test comparing 19 late Holocene climate and sea-ice reconstructions from Icelandic marine and lake sediments. <i>Journal of Quaternary Science</i> , 2011, 26, 645-656.	1.1	30

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37	Provenance, stratigraphy and chronology of Holocene tephra from Vestfirir, Iceland. <i>Quaternary Geochronology</i> , 2018, 46, 59-76.	0.6	30
38	Late Quaternary ice extent and glacial history from the Djúpiðll trough, off Vestfirir peninsula, north-west Iceland: a stacked 36 cal. Ky environmental record. <i>Polar Research</i> , 2002, 21, 211-226.	1.6	29
39	Lipid Biomarkers Quantify Holocene Summer Temperature and Ice Cap Sensitivity in Icelandic Lakes. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085728.	1.5	29
40	Late-Holocene terrestrial glacial history of Miki and I.C. Jacobsen Fjords, East Greenland. <i>Holocene</i> , 2000, 10, 123-134.	0.9	28
41	Sedimentary facies and environmental history of the Late-glacial glaciomarine Fossvogur sediments in Reykjavík, Iceland. <i>Boreas</i> , 1994, 23, 164-176.	1.2	25
42	Asynchronous Little Ice Age glacier fluctuations in Iceland and European Alps linked to shifts in subpolar North Atlantic circulation. <i>Earth and Planetary Science Letters</i> , 2013, 380, 52-59.	1.8	25
43	Early Holocene deglaciation of Drangajökull, Vestfirir, Iceland. <i>Quaternary Science Reviews</i> , 2016, 153, 192-198.	1.4	25
44	A record of Pliocene and Pleistocene glaciations and climatic changes in the North Atlantic based on variations in volcanic and sedimentary facies in Iceland. <i>Marine Geology</i> , 1991, 101, 147-159.	0.9	24
45	Late quaternary spatial and temporal changes in clay- and silt-size mineral assemblages of fiord and shelf cores, western Baffin Bay, northwest North Atlantic. <i>Continental Shelf Research</i> , 1989, 9, 445-463.	0.9	23
46	Episodic expansion of Drangajökull, Vestfirir, Iceland, over the last 3ka culminating in its maximum dimension during the Little Ice Age. <i>Quaternary Science Reviews</i> , 2016, 152, 118-131.	1.4	23
47	The role of sea ice for vascular plant dispersal in the Arctic. <i>Biology Letters</i> , 2016, 12, 20160264.	1.0	23
48	Punctuated Holocene climate of Vestfirir, Iceland, linked to internal/external variables and oceanographic conditions. <i>Quaternary Science Reviews</i> , 2018, 189, 31-42.	1.4	23
49	Near-universal trends in brGDGT lipid distributions in nature. <i>Science Advances</i> , 2022, 8, eabm7625.	4.7	22
50	The Fossvogur marine sediments in SW Iceland are confined to the Allerød/Younger Dryas transition by AMS 14 C dating. <i>Boreas</i> , 1993, 22, 147-157.	1.2	21
51	Substantial agreement on the timing and magnitude of Late Holocene ice cap expansion between East Greenland and the Eastern Canadian Arctic: a commentary on Lowell et al., 2013. <i>Quaternary Science Reviews</i> , 2013, 77, 239-245.	1.4	20
52	A high-resolution multi-proxy lake record of Holocene environmental change in southern Iceland. <i>Journal of Quaternary Science</i> , 2015, 30, 281-292.	1.1	20
53	Algal pigments in Arctic lake sediments record biogeochemical changes due to Holocene climate variability and anthropogenic global change. <i>Journal of Paleolimnology</i> , 2015, 54, 53-69.	0.8	20
54	The Saksunarvatn Ash and the G10ka series tephra. Review and current state of knowledge. <i>Quaternary Geochronology</i> , 2020, 56, 101041.	0.6	19

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55	Chronology and paleoenvironments during the late Weichselian deglaciation of the southwest Iceland shelf. <i>Boreas</i> , 2000, 29, 163-183.	1.2	18
56	Seismostratigraphy and sediment studies of Lake Hestvatn, southern Iceland: implications for the deglacial history of the region. <i>Journal of Quaternary Science</i> , 2001, 16, 167-179.	1.1	18
57	Holocene glacier and climate variations in VestfirÃir, Iceland, from the modeling of DrangajÃkull ice cap. <i>Quaternary Science Reviews</i> , 2018, 190, 39-56.	1.4	18
58	Precise chronology of Little Ice Age expansion and repetitive surges of LangjÃkull, central Iceland. <i>Geology</i> , 2015, 43, 167-170.	2.0	16
59	14C AMS Dating of Icelandic Lake Sediments. <i>Radiocarbon</i> , 1997, 40, 865-872.	0.8	15
60	Sea Ice Control on Winter Subsurface Temperatures of the North Iceland Shelf During the Little Ice Age: A TEX <sub>86</sub> Calibration Case Study. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1006-1021.	1.3	15
61	Holocene history of landscape instability in Iceland: Can we deconvolve the impacts of climate, volcanism and human activity?. <i>Quaternary Science Reviews</i> , 2020, 249, 106633.	1.4	15
62	Pliocene and Pleistocene Glaciations of Iceland. <i>Developments in Quaternary Sciences</i> , 2011, , 199-210.	0.1	13
63	Sea ice, ice rafting, and ocean climate across Denmark Strait during rapid deglaciation (~16 cal ka BP) of the Iceland and East Greenland shelves. <i>Journal of Quaternary Science</i> , 2018, 33, 112-130.	1.1	13
64	Climate implications of changing Arctic sea ice. <i>Eos</i> , 2001, 82, 97-97.	0.1	11
65	Episodic Neoglacial expansion and rapid 20th century retreat of a small ice cap on Baffin Island, Arctic Canada, and modeled temperature change. <i>Climate of the Past</i> , 2017, 13, 1527-1537.	1.3	10
66	Marker tephra in Haukadalsvatn lake sediment: A key to the Holocene tephra stratigraphy of northwest Iceland. <i>Quaternary Science Reviews</i> , 2019, 219, 154-170.	1.4	10
67	Controls on the lifespans of Icelandic ice caps. <i>Earth and Planetary Science Letters</i> , 2019, 527, 115780.	1.8	10
68	A review of studies of the earliest glaciation of Iceland. <i>Terra Nova</i> , 1996, 8, 400-414.	0.9	8
69	A review of the late pleistocene stratigraphy of ReykjavÃk, Iceland. <i>Quaternary International</i> , 1991, 10-12, 143-150.	0.7	7
70	Extent and chronology of glaciations in Iceland; a brief overview of the glacial history. <i>Developments in Quaternary Sciences</i> , 2004, 2, 175-182.	0.1	7
71	Late Holocene (~5 cal ka) Trends and Century-Scale Variability of N. Iceland Marine Records: Measures of Surface Hydrography, Productivity, and Land/Ocean Interactions. <i>Geophysical Monograph Series</i> , 0, , 69-81.	0.1	7
72	Tracking Holocene drift-ice limits on the northwest-southwest Iceland shelf: Comparing proxy data with observation and historical evidence. <i>Arctic, Antarctic, and Alpine Research</i> , 2019, 51, 96-114.	0.4	7

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73	Response of biological productivity to North Atlantic marine front migration during the Holocene. <i>Climate of the Past</i> , 2021, 17, 379-396.	1.3	6
74	Recurrent outburst floods and explosive volcanism during the Younger Dryas–Early Holocene deglaciation in south Iceland: evidence from a lacustrine record. <i>Journal of Quaternary Science</i> , 2022, 37, 1006-1023.	1.1	6
75	Climatic control on Icelandic volcanic activity during the mid-Holocene: COMMENT. <i>Geology</i> , 2018, 46, e443-e443.	2.0	5
76	Late Quaternary ice extent and glacial history from the Djúpálfjall trough, off Vestfirðir peninsula, north-west Iceland: a stacked 36 cal. Ky environmental record. <i>Polar Research</i> , 2002, 21, 211-226.	1.6	2
77	Landforms in Hvítárvatn, central Iceland, produced by recent advances of surging and non-surging glaciers. <i>Geological Society Memoir</i> , 2016, 46, 143-146.	0.9	2
78	Climate evolution and soil erosion during the last 2000 years reconstructed from Icelandic lake systems. <i>Quaternary International</i> , 2012, 279-280, 164.	0.7	0