Jostein Bakke

List of Publications by Year
in descending order

76	3,247	159585 30	161849 54
papers	citations	h-index	g-index

92	92	92	2916
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate adaptation of pre-Viking societies. Quaternary Science Reviews, 2022, 278, 107374.	3.0	5
2	Lake sediments from southern Norway capture Holocene variations in flood seasonality. Quaternary Science Reviews, 2022, 290, 107643.	3.0	1
3	Role of Indian Summer Monsoon and Westerlies on glacier variability in the Himalaya and East Africa during Late Quaternary: Review and new data. Earth-Science Reviews, 2021, 212, 103431.	9.1	24
4	Long-term demise of sub-Antarctic glaciers modulated by the Southern Hemisphere Westerlies. Scientific Reports, 2021, 11, 8361.	3.3	16
5	Late Holocene canyon-carving floods in northern Iceland were smaller than previously reported. Communications Earth & Environment, 2021, 2, .	6.8	3
6	Sedimentary ancient DNA shows terrestrial plant richness continuously increased over the Holocene in northern Fennoscandia. Science Advances, 2021, 7, .	10.3	30
7	Anthropogenic and environmental drivers of vegetation change in southeastern Norway during the Holocene. Quaternary Science Reviews, 2021, 270, 107175.	3.0	12
8	Sedimentary DNA and molecular evidence for early human occupation of the Faroe Islands. Communications Earth & Environment, 2021, 2, .	6.8	11
9	Disentangling source of moisture driving glacier dynamics and identification of 8.2Âka event: evidence from pore water isotopes, Western Himalaya. Scientific Reports, 2020, 10, 15324.	3.3	17
10	Late Glacial mountain glacier culmination in Arctic Norway prior to the Younger Dryas. Quaternary Science Reviews, 2020, 245, 106461.	3.0	17
11	Ecological response of a glacier-fed peatland to late Holocene climate and glacier changes on subantarctic South Georgia. Quaternary Science Reviews, 2020, 250, 106679.	3.0	3
12	Glacier and ocean variability in Ata Sund, west Greenland, since 1400 CE. Holocene, 2020, 30, 1681-1693.	1.7	2
13	Vegetation changes and plant wax biomarkers from an ombrotrophic bog define hydroclimate trends and human-environment interactions during the Holocene in northern Norway. Holocene, 2020, 30, 1849-1865.	1.7	6
14	Last Glacial Maximum environmental conditions at AndÃ¸ya, northern Norway; evidence for a northern ice-edge ecological â€œhotspotâ€• Quaternary Science Reviews, 2020, 239, 106364.	3.0	34
15	Elevation Changes of the Fennoscandian Ice Sheet Interior During the Last Deglaciation. Geophysical Research Letters, 2020, 47, e2020GL088796.	4.0	15
16	Lake Sediments Reveal Large Variations in Flood Frequency Over the Last 6,500 Years in South-Western Norway. Frontiers in Earth Science, 2020, 8, .	1.8	7
17	Atmospheric circulation over Europe during the Younger Dryas. Science Advances, 2020, 6, .	10.3	55
18	Is there evidence for a 4.2â€‰kaâ€‰BP event in the northern North Atlantic region?. Climate of the Past, 2019, 15, 1665-1676.	3.4	40

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19	Wintertime extreme events recorded by lake sediments in Arctic Norway. Holocene, 2019, 29, 1305-1321.	1.7	1
20	Pervasive cold ice within a temperate glacier â€“ implications for glacier thermal regimes, sediment transport and foreland geomorphology. Cryosphere, 2019, 13, 827-843.	3.9	27
21	Glacier outburst floods reconstructed from lake sediments and their implications for Holocene variations of the plateau glacier Folgefonna in western Norway. Boreas, 2019, 48, 616-634.	2.4	13
22	Holocene paleomagnetic secular variation (PSV) near 80Â° N, Northwest Spitsbergen, Svalbard: Implications for evaluating High Arctic sediment chronologies. Quaternary Science Reviews, 2019, 210, 90-102.	3.0	6
23	Early Holocene Temperature Oscillations Exceed Amplitude of Observed and Projected Warming in Svalbard Lakes. Geophysical Research Letters, 2019, 46, 14732-14741.	4.0	15
24	The Island of AmsterdamÃ¸ya: A key site for studying past climate in the Arctic Archipelago of Svalbard. Quaternary Science Reviews, 2018, 183, 157-163.	3.0	8
25	Patagonian ash on subâ€Antarctic South Georgia: expanding the tephrostratigraphy of southern South America into the Atlantic sector of the Southern Ocean. Journal of Quaternary Science, 2018, 33, 482-486.	2.1	10
26	Novel sedimentological fingerprints link shifting depositional processes to Holocene climate transitions in East Greenland. Global and Planetary Change, 2018, 164, 52-64.	3.5	40
27	Alkenone-based reconstructions reveal four-phase Holocene temperature evolution for High Arctic Svalbard. Quaternary Science Reviews, 2018, 183, 204-213.	3.0	40
28	Hydroclimate variability of High Arctic Svalbard during the Holocene inferred from hydrogen isotopes of leaf waxes. Quaternary Science Reviews, 2018, 183, 177-187.	3.0	33
29	Holocene glacier activity reconstructed from proglacial lake GjÃ¸avatnet on AmsterdamÃ¸ya, NW Svalbard. Quaternary Science Reviews, 2018, 183, 188-203.	3.0	25
30	Holocene multi-proxy environmental reconstruction from lake Hakluytvatnet, AmsterdamÃ¸ya Island, Svalbard (79.5Â°N). Quaternary Science Reviews, 2018, 183, 164-176.	3.0	14
31	Reconstructing Holocene Glacier and Climate Fluctuations From Lake Sediments in VÃ¥rfluesjÃ¸en, Northern Spitsbergen. Frontiers in Earth Science, 2018, 6, .	1.8	24
32	Cirque Glacier on South Georgia Shows Centennial Variability over the Last 7000 Years. Frontiers in Earth Science, 2018, 6, .	1.8	15
33	DNA from lake sediments reveals long-term ecosystem changes after a biological invasion. Science Advances, 2018, 4, eaar4292.	10.3	73
34	Late Holocene glacier reconstruction reveals retreat behind present limits and twoâ€stage Little Ice Age on subantarctic South Georgia. Journal of Quaternary Science, 2017, 32, 888-901.	2.1	20
35	Ultra-distal Kamchatkan ash on Arctic Svalbard: Towards hemispheric cryptotephra correlation. Quaternary Science Reviews, 2017, 164, 230-235.	3.0	37
36	The Water Tower of India in a Long-term Perspective â€“ A Way to Reconstruct Glaciers and Climate in Himachal Pradesh during the last 13,000 Years. Journal of Climate Change, 2016, 2, 103-112.	0.5	4

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37	Glacierâ€fed lakes as palaeoenvironmental archives. Geology Today, 2016, 32, 213-218.	0.9	23
38	GlaRe, a GIS tool to reconstruct the 3D surface of palaeoglaciers. Computers and Geosciences, 2016, 94, 77-85.	4.2	107
39	Holocene glacier and climate fluctuations of the maritime ice cap HÃ¸gtuvbreen, northern Norway. Holocene, 2016, 26, 736-755.	1.7	16
40	Holocene glacier variability and Neoglacial hydroclimate at Ã…lfotbreen, western Norway. Quaternary Science Reviews, 2016, 133, 28-47.	3.0	16
41	Mapping sedimentâ€“landform assemblages to constrain lacustrine sedimentation in a glacier-fed lake catchment in northwest Spitsbergen. Journal of Maps, 2016, 12, 985-993.	2.0	7
42	Arctic Holocene glacier fluctuations reconstructed from lake sediments at MitrahalvÃ¸ya, Spitsbergen. Quaternary Science Reviews, 2015, 109, 111-125.	3.0	61
43	A GIS tool for automatic calculation of glacier equilibrium-line altitudes. Computers and Geosciences, 2015, 82, 55-62.	4.2	153
44	Reconstructing Holocene glacier activity at LangfjordjÃ¸kelen, Arctic Norway, using multi-proxy fingerprinting of distal glacier-fed lake sediments. Quaternary Science Reviews, 2015, 114, 78-99.	3.0	36
45	Investigating the Use of Scanning X-Ray Fluorescence to Locate Cryptotephra in Minerogenic Lacustrine Sediment: Experimental Results. Developments in Paleoenvironmental Research, 2015, , 305-324.	8.0	8
46	Reconstruction of glacier variability from lake sediments reveals dynamic Holocene climate in Svalbard. Quaternary Science Reviews, 2015, 126, 201-218.	3.0	80
47	The Fleeting Glaciers of the Arctic. , 2015, , 79-93.		1
48	Arctic Holocene proxy climate database â€“ new approaches to assessing geochronological accuracy and encoding climate variables. Climate of the Past, 2014, 10, 1605-1631.	3.4	105
49	Late glacial and Holocene environmental changes inferred from sediments in Lake Myklevatnet, Nordfjord, western Norway. Vegetation History and Archaeobotany, 2014, 23, 229-248.	2.1	9
50	Lateglacial and early-Holocene climate variability reconstructed from multi-proxy records on AndÃ¸ya, northern Norway. Quaternary Science Reviews, 2014, 89, 108-122.	3.0	22
51	Inferring organic content of sediments by scanning reflectance spectroscopy (380â€“730Ânm): applying a novel methodology in a case study from proglacial lakes in Norway. Journal of Paleolimnology, 2013, 50, 583-592.	1.6	3
52	Numerical analyses of a multi-proxy data set from a distal glacier-fed lake, SÃ¸rsendalsvatn, western Norway. Quaternary Science Reviews, 2013, 73, 182-195.	3.0	24
53	Response to Comment on â€œGlacial Survival of Boreal Trees in Northern Scandinaviaâ€• Science, 2012, 338, 742-742.	12.6	23
54	Comment on â€œGlacial Survival of Boreal Trees in Northern Scandinaviaâ€• Science, 2012, 338, 742-742.	12.6	47

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55	Vegetation responses to rapid climatic changes during the last deglaciation 13,500â€“8,000Âyears ago on southwest AndÃ¸ya, arctic Norway. Vegetation History and Archaeobotany, 2012, 21, 17-35.	2.1	27
56	A multi-proxy approach to assessing isolation basin stratigraphy from the Lofoten Islands, Norway. Quaternary Research, 2011, 75, 288-300.	1.7	56
57	Sediment Core and Glacial Environment Reconstruction. Encyclopedia of Earth Sciences Series, 2011, , 979-984.	0.1	6
58	A complete record of Holocene glacier variability at Austre Okstindbreen, northern Norway: an integrated approach. Quaternary Science Reviews, 2010, 29, 1246-1262.	3.0	92
59	Rapid oceanic and atmospheric changes during the Younger Dryas cold period. Nature Geoscience, 2009, 2, 202-205.	12.9	279
60	Strength and spatial patterns of the Holocene wintertime westerlies in the NE Atlantic region. Global and Planetary Change, 2008, 60, 28-41.	3.5	107
61	Norwegian mountain glaciers in the past, present and future. Global and Planetary Change, 2008, 60, 10-27.	3.5	213
62	A continuous, high-resolution 8500-yr snow-avalanche record from western Norway. Holocene, 2007, 17, 269-277.	1.7	41
63	Reconstruction of Holocene glacier history from distal sources: glaciofluvial stream-bank mires and a glaciolacustrine sediment core near Sota SÃ¦ter, Breheimen, southern Norway. Holocene, 2007, 17, 729-745.	1.7	29
64	Rockglacier activity during the Last Glacialâ€“Interglacial transition and Holocene spring snowmelting. Quaternary Science Reviews, 2007, 26, 793-807.	3.0	18
65	Cirque glacier activity in arctic Norway during the last deglaciation. Quaternary Research, 2007, 68, 387-399.	1.7	33
66	Holocene palaeoclimate reconstructions at Vanndalsvatnet, western Norway, with particular reference to the 8200 cal. yr BP event. Holocene, 2006, 16, 717-729.	1.7	50
67	Lateglacial and early Holocene palaeoclimatic reconstruction based on glacier fluctuations and equilibrium-line altitudes at northern Folgefonna, Hardanger, western Norway. Journal of Quaternary Science, 2005, 20, 179-198.	2.1	79
68	Utilizing physical sediment variability in glacier-fed lakes for continuous glacier reconstructions during the Holocene, northern Folgefonna, western Norway. Holocene, 2005, 15, 161-176.	1.7	124
69	Glacier fluctuations, equilibrium-line altitudes and palaeoclimate in Lyngen, northern Norway, during the Lateglacial and Holocene. Holocene, 2005, 15, 518-540.	1.7	113
70	Holocene mean July temperature and winter precipitation in western Norvay inferred from palynological and glaciological lake-sediment proxies. Holocene, 2005, 15, 177-189.	1.7	132
71	Holocene glacier history of BjÃ¸rnbreen and climatic reconstruction in central Jotunheimen, Norway, based on proximal glaciofluvial stream-bank mires. Quaternary Science Reviews, 2005, 24, 67-90.	3.0	83
72	Holocene climate variability in the northern North Atlantic region: A review of terrestrial and marine evidence. Geophysical Monograph Series, 2005, , 289-322.	0.1	20

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73	Were abrupt Lateglacial and early-Holocene climatic changes in northwest Europe linked to freshwater outbursts to the North Atlantic and Arctic Oceans?. Holocene, 2004, 14, 299-310.	1.7	95
74	Bacterial magnetite in lake sediments: late glacial to Holocene climate and sedimentary changes in northern Norway. Earth and Planetary Science Letters, 2004, 223, 319-333.	4.4	64
75	Reconstruction of former glacier equilibrium-line altitudes based on proglacial sites: an evaluation of approaches and selection of sites. Quaternary Science Reviews, 2003, 22, 275-287.	3.0	105
76	Mapping of the Subglacial Topography of Folgefonna Ice Cap in Western Norwayâ€"Consequences for Ice Retreat Patterns and Hydrological Changes. Frontiers in Earth Science, 0, 10, .	1.8	0