

# Svante Björck

## List of Publications by Year in descending order

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113  
papers

8,573  
citations

36203

51  
h-index

51492

86  
g-index

114  
all docs

114  
docs citations

114  
times ranked

7243  
citing authors

#	ARTICLE	IF	CITATIONS
1	An event stratigraphy for the Last Termination in the North Atlantic region based on the Greenland ice-core record: a proposal by the INTIMATE group. , 1998, 13, 283-292.		741
2	A review of the history of the Baltic Sea, 13.0-8.0 ka BP. Quaternary International, 1995, 27, 19-40.	0.7	698
3	Formal definition and dating of the GSSP (Global Stratotype Section and Point) for the base of the Holocene using the Greenland NGRIP ice core, and selected auxiliary records. Journal of Quaternary Science, 2009, 24, 3-17.	1.1	552
4	Hypoxia-Related Processes in the Baltic Sea. Environmental Science & Technology, 2009, 43, 3412-3420.	4.6	470
5	Past occurrences of hypoxia in the Baltic Sea and the role of climate variability, environmental change and human impact. Earth-Science Reviews, 2008, 91, 77-92.	4.0	286
6	Formal ratification of the subdivision of the Holocene Series/Epoch (Quaternary System/Period): two new Global Boundary Stratotype Sections and Points (GSSPs) and three new stages/subseries. Episodes, 2018, 41, 213-223.	0.8	238
7	Rapid hydrological changes during the Holocene revealed by stable isotope records of lacustrine carbonates from Lake Igelsjön, southern Sweden. Quaternary Science Reviews, 2003, 22, 353-370.	1.4	221
8	Antarctic glacial history since the Last Glacial Maximum: an overview of the record on land. Antarctic Science, 1998, 10, 326-344.	0.5	206
9	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. Nature Climate Change, 2018, 8, 907-913.	8.1	188
10	High-resolution analyses of an early Holocene climate event may imply decreased solar forcing as an important climate trigger. Geology, 2001, 29, 1107.	2.0	173
11	Late Weichselian Environmental History in Southeastern Sweden during the Deglaciation of the Scandinavian Ice Sheet. Quaternary Research, 1987, 28, 1-37.	1.0	162
12	Chronology of the last recession of the Greenland Ice Sheet. Journal of Quaternary Science, 2002, 17, 211-219.	1.1	158
13	Late Holocene palaeoclimatic records from lake sediments on James Ross Island, Antarctica. Palaeogeography, Palaeoclimatology, Palaeoecology, 1996, 121, 195-220.	1.0	155
14	The Development of the Baltic Sea Basin During the Last 130 ka. Central and Eastern European Development Studies, 2011, , 75-97.	0.6	139
15	A late Holocene lake sediment sequence from Livingston Island, South Shetland Islands, with palaeoclimatic implications. Antarctic Science, 1991, 3, 61-72.	0.5	135
16	Lake Torfadalsvatn: a high resolution record of the North Atlantic ash zone I and the last glacial-interglacial environmental changes in Iceland. Boreas, 1992, 21, 15-22.	1.2	127
17	Subdividing the Holocene Series/Epoch: formalization of stages/ages and subseries/subepochs, and designation of GSSPs and auxiliary stratotypes. Journal of Quaternary Science, 2019, 34, 173-186.	1.1	126
18	Rapid ecosystem response to abrupt climate changes during the last glacial period in western Europe, 40-16 ka. Geology, 2008, 36, 407.	2.0	98

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19	AMS dating Swedish varved clays of the last glacial/interglacial transition and the potential/difficulties of calibrating Late Weichselian "absolute" chronologies. <i>Boreas</i> , 1993, 22, 113-128.	1.2	94
20	Circum-Antarctic coastal environmental shifts during the Late Quaternary reflected by emerged marine deposits. <i>Antarctic Science</i> , 1998, 10, 345-362.	0.5	93
21	Late Weichselian environmental change in southern Sweden and Denmark. <i>Journal of Quaternary Science</i> , 1994, 9, 127-132.	1.1	86
22	Evidence for the occurrence of Vedde Ash in Sweden: radiocarbon and calendar age estimates. <i>Journal of Quaternary Science</i> , 1998, 13, 271-274.	1.1	86
23	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
24	Stratigraphic and Paleoclimatic Studies of a 5500-Year-Old Moss Bank on Elephant Island, Antarctica. <i>Arctic and Alpine Research</i> , 1991, 23, 361.	1.3	84
25	Late Weichselian "Early Holocene shore displacement west of Mt. Billingen, within the Middle Swedish end-moraine zone. <i>Boreas</i> , 1986, 15, 1-18.	1.2	84
26	Formal Subdivision of the Holocene Series/Epoch: A Summary. <i>Journal of the Geological Society of India</i> , 2019, 93, 135-141.	0.5	84
27	The Mjåuvåtn tephra and other Holocene tephra horizons from the Faroe Islands: a link between the Icelandic source region, the Nordic Seas, and the European continent. <i>Holocene</i> , 2001, 11, 101-109.	0.9	82
28	The human dimension of biodiversity changes on islands. <i>Science</i> , 2021, 372, 488-491.	6.0	81
29	Persistent link between solar activity and Greenland climate during the Last Glacial Maximum. <i>Nature Geoscience</i> , 2014, 7, 662-666.	5.4	80
30	Solar forcing of Holocene summer sea-surface temperatures in the northern North Atlantic. <i>Geology</i> , 2015, 43, 203-206.	2.0	80
31	Anomalously mild Younger Dryas summer conditions in southern Greenland. <i>Geology</i> , 2002, 30, 427.	2.0	79
32	Quaternary Arctic Ocean sea ice variations and radiocarbon reservoir age corrections. <i>Quaternary Science Reviews</i> , 2010, 29, 3430-3441.	1.4	79
33	Holocene shore displacement and deglaciation chronology in Norrbotten, Sweden. <i>Boreas</i> , 2006, 35, 1-22.	1.2	78
34	Consistently large marine reservoir ages in the Norwegian Sea during the Last Deglaciation. <i>Quaternary Science Reviews</i> , 2003, 22, 429-435.	1.4	74
35	The ecological impact of oceanic island colonization "a palaeoecological perspective from the Azores. <i>Journal of Biogeography</i> , 2012, 39, 1007-1023.	1.4	73
36	Eemian Lake development, hydrology and climate: a multi-stratigraphic study of the Hollerup site in Denmark. <i>Quaternary Science Reviews</i> , 2000, 19, 509-536.	1.4	72

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37	Estimates of South Greenland late-glacial ice limits from a new relative sea level curve. <i>Earth and Planetary Science Letters</i> , 2002, 197, 171-186.	1.8	71
38	Deglaciation chronology and revegetation in northwestern Ontario. <i>Canadian Journal of Earth Sciences</i> , 1985, 22, 850-871.	0.6	69
39	Glacial and climatic events in Iceland reflecting regional North Atlantic climatic shifts during the Pleistocene-Holocene transition. <i>Quaternary Science Reviews</i> , 1997, 16, 1135-1144.	1.4	69
40	Late Pleistocene and Holocene glacial history of James Ross Island, Antarctic Peninsula. <i>Boreas</i> , 1992, 21, 209-222.	1.2	67
41	Climatic Changes at Pleistocene/Holocene Boundary in the Middle Swedish Endmoraine Zone, Mainly Inferred from Stratigraphic Indications. , 1984, , 37-56.		66
42	The Global Stratotype Section and Point (GSSP) for the base of the Holocene Series/Epoch (Quaternary) Tj ETQq0 0.0 rgBT /Overlock 10	0.8	64
43	Late Holocene tephrochronology of the northern Antarctic Peninsula. <i>Quaternary Research</i> , 1991, 36, 322-328.	1.0	63
44	Records of environmental changes during the Holocene from Isla de los Estados (54.4°S), southeastern Tierra del Fuego. <i>Global and Planetary Change</i> , 2010, 74, 99-113.	1.6	62
45	Holocene relative sea-level changes in the Qaqortoq area, southern Greenland. <i>Boreas</i> , 2006, 35, 171-187.	1.2	61
46	Multi-proxy analyses of a peat bog on Isla de los Estados, easternmost Tierra del Fuego: a unique record of the variable Southern Hemisphere Westerlies since the last deglaciation. <i>Quaternary Science Reviews</i> , 2012, 42, 1-14.	1.4	61
47	Reconstruction of past lake levels and their relation to groundwater hydrology in the Parkers Prairie sandplain, west-central Minnesota. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1992, 94, 99-118.	1.0	59
48	Holocene climate changes in southern Greenland: evidence from lake sediments. <i>Journal of Quaternary Science</i> , 2004, 19, 783-795.	1.1	59
49	Storegga tsunami deposits in a coastal lake on Suouroy, the Faroe Islands. <i>Boreas</i> , 2001, 30, 263-271.	1.2	58
50	The Swedish Time Scale: A Potential Calibration Tool for the Radiocarbon Time Scale During the Late Weichselian. <i>Radiocarbon</i> , 1995, 37, 347-359.	0.8	55
51	Abrupt climatic changes and an unstable transition into a late Holocene Thermal Decline: a multiproxy lacustrine record from southern Sweden. <i>Journal of Quaternary Science</i> , 2005, 20, 349-362.	1.1	55
52	Allerød-Younger Dryas sea level changes in southwestern Sweden and their relation to the Baltic Ice Lake development. <i>Boreas</i> , 1991, 20, 115-133.	1.2	55
53	A Holocene lacustrine record in the central North Atlantic: proxies for volcanic activity, short-term NAO mode variability, and long-term precipitation changes. <i>Quaternary Science Reviews</i> , 2006, 25, 9-32.	1.4	52
54	A new Scandinavian reference <sup>10</sup> Be production rate. <i>Quaternary Geochronology</i> , 2015, 29, 104-115.	0.6	52

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55	Bio- and chronostratigraphic significance of the Older Dryas Chronozone " on the basis of new radiocarbon dates. <i>Gff</i> , 1984, 106, 81-91.	0.4	51
56	Early Holocene plant and animal remains from North-east Greenland. <i>Journal of Biogeography</i> , 1999, 26, 667-677.	1.4	50
57	A new high-resolution Holocene tephra stratigraphy in eastern Iceland: Improving the Icelandic and North Atlantic tephrochronology. <i>Quaternary Science Reviews</i> , 2016, 150, 234-249.	1.4	48
58	Major earthquake at the Pleistocene-Holocene transition in Lake Vättern, southern Sweden. <i>Geology</i> , 2014, 42, 379-382.	2.0	46
59	A magnetostratigraphic comparison between <sup>14</sup> C years and varve years during the Late Weichselian, indicating significant differences between the time-scales. <i>Journal of Quaternary Science</i> , 1987, 2, 133-140.	1.1	45
60	The sediments of Lake Lögurinn " A unique proxy record of Holocene glacial meltwater variability in eastern Iceland. <i>Quaternary Science Reviews</i> , 2012, 38, 76-88.	1.4	45
61	Deglacial environmental changes on Isla de los Estados (54.4°S), southeastern Tierra del Fuego. <i>Quaternary Science Reviews</i> , 2008, 27, 1541-1554.	1.4	44
62	Lake Mullsjön " a key site for understanding the final stage of the Baltic Ice Lake east of Mt. Billingen. <i>Boreas</i> , 1989, 18, 209-219.	1.2	44
63	Quaternary of Norden. <i>Episodes</i> , 2008, 31, 73-81.	0.8	43
64	Holocene climate variability at multidecadal time scales detected by sedimentological indicators in a shelf core NW off Iceland. <i>Marine Geology</i> , 2005, 214, 323-338.	0.9	41
65	A new middle Holocene varve diagram from the river Ångermanälven, northern Sweden: indications for a possible error in the Holocene varve chronology. <i>Boreas</i> , 1997, 26, 347-353.	1.2	41
66	Climatic control of the surge periodicity of an Icelandic outlet glacier. <i>Journal of Quaternary Science</i> , 2011, 26, 561-565.	1.1	37
67	Limnic Responses to Increased Effective Humidity during the 8200 cal. BP Cooling Event in Southern Sweden. <i>Journal of Paleolimnology</i> , 2005, 34, 471-480.	0.8	35
68	Climate-driven changes in lake conditions during late MIS 3 and MIS 2: a high-resolution geochemical record from Les Echets, France. <i>Boreas</i> , 2009, 38, 230-243.	1.2	31
69	Lacustrine evidence of Holocene environmental change from three Faroese lakes: a multiproxy XRF and stable isotope study. <i>Quaternary Science Reviews</i> , 2010, 29, 2764-2780.	1.4	31
70	Holocene deglaciation and climate history of the northern Antarctic Peninsula region: a discussion of correlations between the Southern and Northern Hemispheres. <i>Annals of Glaciology</i> , 1998, 27, 110-112.	2.8	29
71	Magnetic susceptibility of Late Weichselian deposits in southeastern Sweden. <i>Boreas</i> , 2008, 11, 99-111.	1.2	29
72	Direct U-Th dating of organic- and carbonate-rich lake sediments from southern Scandinavia. <i>Earth and Planetary Science Letters</i> , 1997, 153, 251-263.	1.8	28

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73	Climate and environment in southwest Sweden 15.5–11.3 cal. ka BP. <i>Boreas</i> , 2018, 47, 687-710.	1.2	28
74	Holocene climate variability in the Denmark Strait region – a land-sea correlation of new and existing climate proxy records. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2005, 87, 159-174.	0.6	26
75	Diatom assemblage changes in lacustrine sediments from Isla de los Estados, southernmost South America, in response to shifts in the southwesterly wind belt during the last deglaciation. <i>Journal of Paleolimnology</i> , 2013, 50, 433-446.	0.8	26
76	Climate variability and glacial processes in eastern Iceland during the past 700 years based on varved lake sediments. <i>Boreas</i> , 2011, 40, 28-45.	1.2	23
77	A tephra-based correlation between the Faroe Islands and the Norwegian Sea raises questions about chronological relationships during the last interglacial. <i>Terra Nova</i> , 2005, 17, 7-12.	0.9	22
78	Towards a Holocene tephrochronology for the Faroe Islands, North Atlantic. <i>Quaternary Science Reviews</i> , 2018, 195, 195-214.	1.4	22
79	Late Holocene multi-proxy records of environmental change on the South Atlantic island Tristan da Cunha. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 241, 539-560.	1.0	19
80	Late Quaternary glaciation history of Isla de los Estados, southeasternmost South America. <i>Quaternary Research</i> , 2010, 73, 521-534.	1.0	16
81	Sand drift events and surface winds in south-central Sweden: From the deglaciation to the present. <i>Quaternary Science Reviews</i> , 2019, 209, 13-22.	1.4	16
82	Caribbean hydrological variability during the Holocene as reconstructed from crater lakes on the island of Grenada. <i>Journal of Quaternary Science</i> , 2011, 26, 829-838.	1.1	15
83	Varved glaciomarine clay in central Sweden before and after the Baltic Ice Lake drainage: a further clue to the drainage events at Mt Billingen. <i>Gff</i> , 2013, 135, 293-307.	0.4	15
84	Shoreline displacement and human resource utilization in the southern Baltic Basin coastal zone during the early Holocene: New insights from a submerged Mesolithic landscape in south-eastern Sweden. <i>Holocene</i> , 2018, 28, 721-737.	0.9	15
85	A shift towards wetter and windier conditions in southern Sweden around the prominent solar minimum 2750 cal a BP. <i>Journal of Quaternary Science</i> , 2015, 30, 235-244.	1.1	14
86	The Late Pleistocene and Holocene Glacial and Climate History of the Antarctic Peninsula Region as Documented by the Land and Lake Sediment Records- A Review. <i>Antarctic Research Series</i> , 0, , 95-102.	0.2	13
87	MIS 3 sediment stratigraphy in southern Sweden sheds new light on the complex glacial history and dynamics across southern Scandinavia. <i>Boreas</i> , 2020, 49, 389-416.	1.2	13
88	A diatom record of mid- to late Holocene palaeoenvironmental changes in the southern Okinawa Trough. <i>Journal of Quaternary Science</i> , 2015, 30, 32-43.	1.1	12
89	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
90	Summary of a workshop on extreme weather events in a warming world organized by the Royal Swedish Academy of Sciences. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 72, 1794236.	0.8	11

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91	A deglacial palaeomagnetic master curve for Fennoscandia – Providing a dating template and supporting millennial-scale geomagnetic field patterns for the past 14 kya. <i>Quaternary Science Reviews</i> , 2014, 106, 155-166.	1.4	10
92	East Asian Winter Monsoon Variations and Their Links to Arctic Sea Ice During the Last Millennium, Inferred From Sea Surface Temperatures in the Okinawa Trough. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 61-75.	1.3	9
93	Relative sea level changes and glacio-isostatic modelling in the Beagle Channel, Tierra del Fuego, Chile: Glacial and tectonic implications. <i>Quaternary Science Reviews</i> , 2021, 251, 106657.	1.4	9
94	Holocene shore displacement and deglaciation chronology in Norrbotten, Sweden. <i>Boreas</i> , 2008, 35, 1-22.	1.2	7
95	Revised age estimate of the Mjølhus tephra A on the Faroe Islands based on Bayesian modelling of 14 C dates from two lake sequences. <i>Journal of Quaternary Science</i> , 2010, 25, 612-616.	1.1	7
96	The last termination in the central South Atlantic. <i>Quaternary Science Reviews</i> , 2015, 123, 193-214.	1.4	7
97	The lithostratigraphy of the Les Echets basin, France: tentative correlation between cores. <i>Boreas</i> , 2007, 36, 326-340.	1.2	6
98	Late Wisconsin History North of the Giants Range, Northern Minnesota, Inferred from Complex Stratigraphy. <i>Quaternary Research</i> , 1990, 33, 18-36.	1.0	5
99	A Holocene peat record in the central South Atlantic: an archive of precipitation changes. <i>Gff</i> , 2011, 133, 195-206.	0.4	5
100	Late Holocene environmental history on Tristan da Cunha, South Atlantic, based on diatom floristic changes and geochemistry in sediments of a volcanic crater lake. <i>Journal of Paleolimnology</i> , 2012, 47, 221-232.	0.8	5
101	Reconstruction of Holocene lake-level changes in Lake Igelsjön, southern Sweden. <i>Gff</i> , 2013, 135, 162-170.	0.4	5
102	A pollen record of the last 450 years from a lowland peat bog on Tristan da Cunha, South Atlantic, implying early anthropogenic influence. <i>Journal of Quaternary Science</i> , 2011, 26, 688-693.	1.1	4
103	The First Dated Eemian Lacustrine Deposit in Romania. <i>Quaternary Research</i> , 2001, 56, 62-65.	1.0	3
104	Possible Late Pleistocene volcanic activity on Nightingale Island, South Atlantic Ocean, based on geoelectrical resistivity measurements, sediment corings and <sup>14</sup> C dating. <i>Gff</i> , 2011, 133, 141-147.	0.4	3
105	Holocene environmental changes on Nightingale Island, South Atlantic, based on diatom floristic changes in an infilled pond. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 378, 45-51.	1.0	2
106	A lacustrine record of the Pleistocene-Holocene boundary in southernmost Greenland. <i>Gff</i> , 2004, 126, 273-278.	0.4	1
107	Postglacial sedimentary and geomorphological evolution of a small sub-Antarctic fjord landscape, Stromness Bay, South Georgia. <i>Antarctic Science</i> , 2013, 25, 409-419.	0.5	1
108	Pleistocene climatic changes and consequences for radwaste disposal (abstract). <i>Gff</i> , 1990, 112, 328-328.	0.4	0

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109	A classic North American research area. <i>Boreas</i> , 2008, 18, 341-342.	1.2	0
110	Challenging problems in land-sea interactions. <i>Boreas</i> , 2008, 21, 190-191.	1.2	0
111	Driftwood in the Eemian interglacial lacustrine unit from the Faroe Islands and its possible source areas: palaeobotanical and ichnological analysis. <i>Boreas</i> , 2018, 47, 1230-1243.	1.2	0
112	Ice, water and sediments: a cold, wet and muddy account of a very fun life in science. <i>Journal of Paleolimnology</i> , 2019, 62, 89-103.	0.8	0
113	A South Atlantic island record uncovers shifts in westerlies and hydroclimate during the last glacial. <i>Climate of the Past</i> , 2019, 15, 1939-1958.	1.3	0