

Svante Björck

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	The human dimension of biodiversity changes on islands. <i>Science</i> , 2021, 372, 488-491.	6.0	81
4	<sc>MIS</sc> 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
5	Subdividing the Holocene Series/Epoch: formalization of stages/ages and subseries/subepochs, and designation of GSSPs and auxiliary stratotypes. <i>Journal of Quaternary Science</i> , 2019, 34, 173-186.	1.1	126
6	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
7	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
8	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
9	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
10	Climate and environment in southwest Sweden 15.5â€“11.3Âcal. ka <sc>BP</sc>. <i>Boreas</i> , 2018, 47, 687-710.	1.2	28
11	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
12	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
13	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
14	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
15	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. <i>Nature Climate Change</i> , 2018, 8, 907-913.	8.1	188
16	Towards a Holocene tephrochronology for the Faroe Islands, North Atlantic. <i>Quaternary Science Reviews</i> , 2018, 195, 195-214.	1.4	22
17	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. <i>Episodes</i> , 2018, 41, 213-223.	0.8	238
18	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

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19	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
20	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
21	The last termination in the central South Atlantic. <i>Quaternary Science Reviews</i> , 2015, 123, 193-214.	1.4	7
22	Solar forcing of Holocene summer sea-surface temperatures in the northern North Atlantic. <i>Geology</i> , 2015, 43, 203-206.	2.0	80
23	A new Scandinavian reference ¹⁰ Be production rate. <i>Quaternary Geochronology</i> , 2015, 29, 104-115.	0.6	52
24	Major earthquake at the Pleistocene-Holocene transition in Lake Vättern, southern Sweden. <i>Geology</i> , 2014, 42, 379-382.	2.0	46
25	Persistent link between solar activity and Greenland climate during the Last Glacial Maximum. <i>Nature Geoscience</i> , 2014, 7, 662-666.	5.4	80
26	A deglacial palaeomagnetic master curve for Fennoscandia – Providing a dating template and supporting millennial-scale geomagnetic field patterns for the past 14 ka. <i>Quaternary Science Reviews</i> , 2014, 106, 155-166.	1.4	10
27	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
28	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
29	Reconstruction of Holocene lake-level changes in Lake Igelsjön, southern Sweden. <i>Gff</i> , 2013, 135, 162-170.	0.4	5
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	Climatic control of the surge periodicity of an Icelandic outlet glacier. <i>Journal of Quaternary Science</i> , 2011, 26, 561-565.	1.1	37
40	Possible Late Pleistocene volcanic activity on Nightingale Island, South Atlantic Ocean, based on geoelectrical resistivity measurements, sediment corings and ¹⁴ C dating. <i>Gff</i> , 2011, 133, 141-147.	0.4	3
41	A Holocene peat record in the central South Atlantic: an archive of precipitation changes. <i>Gff</i> , 2011, 133, 195-206.	0.4	5
42	The Development of the Baltic Sea Basin During the Last 130 Åka. <i>Central and Eastern European Development Studies</i> , 2011, , 75-97.	0.6	139
43	Late Quaternary glaciation history of isla de los Estados, southeasternmost South America. <i>Quaternary Research</i> , 2010, 73, 521-534.	1.0	16
44	Revised age estimate of the MjÄ;uvÄ;tn 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
45	Records of environmental changes during the Holocene from Isla de los Estados (54.4Å°S), southeastern Tierra del Fuego. <i>Global and Planetary Change</i> , 2010, 74, 99-113.	1.6	62
46	Quaternary Arctic Ocean sea ice variations and radiocarbon reservoir age corrections. <i>Quaternary Science Reviews</i> , 2010, 29, 3430-3441.	1.4	79
47	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
48	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. <i>Journal of Quaternary Science</i> , 2009, 24, 3-17.	1.1	552
49	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
50	Hypoxia-Related Processes in the Baltic Sea. <i>Environmental Science & Technology</i> , 2009, 43, 3412-3420.	4.6	470
51	Holocene shore displacement and deglaciation chronology in Norrbotten, Sweden. <i>Boreas</i> , 2008, 35, 1-22.	1.2	7
52	Past occurrences of hypoxia in the Baltic Sea and the role of climate variability, environmental change and human impact. <i>Earth-Science Reviews</i> , 2008, 91, 77-92.	4.0	286
53	Deglacial environmental changes on Isla de los Estados (54.4Å°S), southeastern Tierra del Fuego. <i>Quaternary Science Reviews</i> , 2008, 27, 1541-1554.	1.4	44
54	Magnetic susceptibility of Late Weichselian deposits in southeastern Sweden. <i>Boreas</i> , 2008, 11, 99-111.	1.2	29

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55	A classic North American research area. <i>Boreas</i> , 2008, 18, 341-342.	1.2	0
56	Challenging problems in land-sea interactions. <i>Boreas</i> , 2008, 21, 190-191.	1.2	0
57	Rapid ecosystem response to abrupt climate changes during the last glacial period in western Europe, 40â€“16 ka. <i>Geology</i> , 2008, 36, 407.	2.0	98
58	Quaternary of Norden. Episodes, 2008, 31, 73-81.	0.8	43
59	The Global Stratotype Section and Point (GSSP) for the base of the Holocene Series/Epoch (Quaternary) Tj ETQq1 1.0, 784314, rgBT /Qve	0.8	64
60	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
61	The lithostratigraphy of the Les Echets basin, France: tentative correlation between cores. <i>Boreas</i> , 2007, 36, 326-340.	1.2	6
62	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
63	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
64	Holocene relative sea-level changes in the Qaqortoq area, southern Greenland. <i>Boreas</i> , 2006, 35, 171-187.	1.2	61
65	Holocene shore displacement and deglaciation chronology in Norrbotten, Sweden. <i>Boreas</i> , 2006, 35, 1-22.	1.2	78
66	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
67	Holocene climate variability in the Denmark Strait region â€“a landâ€“sea correlation of new and existing climate proxy records. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2005, 87, 159-174.	0.6	26
68	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
69	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
70	Limnic Responses to Increased Effective Humidity during the 8200â€“cal.â€“BP Cooling Event in Southern Sweden. <i>Journal of Paleolimnology</i> , 2005, 34, 471-480.	0.8	35
71	Holocene climate changes in southern Greenland: evidence from lake sediments. <i>Journal of Quaternary Science</i> , 2004, 19, 783-795.	1.1	59
72	A lacustrine record of the Pleistocene-Holocene boundary in southernmost Greenland. <i>Gff</i> , 2004, 126, 273-278.	0.4	1

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73	Rapid hydrological changes during the Holocene revealed by stable isotope records of lacustrine carbonates from Lake Igelsjön, southern Sweden. <i>Quaternary Science Reviews</i> , 2003, 22, 353-370.	1.4	221
74	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
75	Anomalously mild Younger Dryas summer conditions in southern Greenland. <i>Geology</i> , 2002, 30, 427.	2.0	79
76	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
77	Chronology of the last recession of the Greenland Ice Sheet. <i>Journal of Quaternary Science</i> , 2002, 17, 211-219.	1.1	158
78	The First Dated Eemian Lacustrine Deposit in Romania. <i>Quaternary Research</i> , 2001, 56, 62-65.	1.0	3
79	High-resolution analyses of an early Holocene climate event may imply decreased solar forcing as an important climate trigger. <i>Geology</i> , 2001, 29, 1107.	2.0	173
80	The Mývatn 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
81	Storegga tsunami deposits in a coastal lake on Suouroy, the Faroe Islands. <i>Boreas</i> , 2001, 30, 263-271.	1.2	58
82	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
83	Early Holocene plant and animal remains from North-east Greenland. <i>Journal of Biogeography</i> , 1999, 26, 667-677.	1.4	50
84	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
85	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
86	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
87	Antarctic glacial history since the Last Glacial Maximum: an overview of the record on land. <i>Antarctic Science</i> , 1998, 10, 326-344.	0.5	206
88	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
89	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
90	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

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91	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
92	Late Holocene palaeoclimatic records from lake sediments on James Ross Island, Antarctica. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1996, 121, 195-220.	1.0	155
93	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
94	A review of the history of the Baltic Sea, 13.0-8.0 ka BP. <i>Quaternary International</i> , 1995, 27, 19-40.	0.7	698
95	Late Weichselian environmental change in southern Sweden and Denmark. <i>Journal of Quaternary Science</i> , 1994, 9, 127-132.	1.1	86
96	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
97	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
98	Lake Torfadalsvatn: a high resolution record of the North Atlantic ash zone I and the last glacial-interglacial environmental changes in Iceland. <i>Boreas</i> , 1992, 21, 15-22.	1.2	127
99	Late Pleistocene and Holocene glacial history of James Ross Island, Antarctic Peninsula. <i>Boreas</i> , 1992, 21, 209-222.	1.2	67
100	A late Holocene lake sediment sequence from Livingston Island, South Shetland Islands, with palaeoclimatic implications. <i>Antarctic Science</i> , 1991, 3, 61-72.	0.5	135
101	Late Holocene tephrochronology of the northern Antarctic Peninsula. <i>Quaternary Research</i> , 1991, 36, 322-328.	1.0	63
102	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
103	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
104	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
105	Pleistocene climatic changes and consequences for radwaste disposal (abstract). <i>Gff</i> , 1990, 112, 328-328.	0.4	0
106	Lake Mulsjöån - 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
107	A magnetostratigraphic comparison between 14C 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
108	Late Weichselian Environmental History in Southeastern Sweden during the Deglaciation of the Scandinavian Ice Sheet. <i>Quaternary Research</i> , 1987, 28, 1-37.	1.0	162

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109	Late Weichselian "Early Holocene shore displacement west of Mt. Billingen, within the Middle Swedish endmoraine zone. <i>Boreas</i> , 1986, 15, 1-18.	1.2	84
110	Deglaciation chronology and revegetation in northwestern Ontario. <i>Canadian Journal of Earth Sciences</i> , 1985, 22, 850-871.	0.6	69
111	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
112	Climatic Changes at Pleistocene/Holocene Boundary in the Middle Swedish Endmoraine Zone, Mainly Inferred from Stratigraphic Indications. , 1984, , 37-56.		66
113	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