

# Brenda L Hall

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,671  
citations

147726

31  
h-index

182361

51  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2532  
citing authors

#	ARTICLE	IF	CITATIONS
1	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 1-9.	1.4	228
2	Ross Sea paleo-ice sheet drainage and deglacial history during and since the LGM. <i>Quaternary Science Reviews</i> , 2014, 100, 31-54.	1.4	145
3	A $^{10}\text{Be}$ chronology of lateglacial and Holocene mountain glaciation in the Scoresby Sund region, east Greenland: implications for seasonality during lateglacial time. <i>Quaternary Science Reviews</i> , 2008, 27, 2273-2282.	1.4	112
4	East Antarctic Ice Sheet Sensitivity to Pliocene Climatic Change from a Dry Valleys Perspective. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 155-204.	0.6	101
5	Holocene glacial history of Antarctica and the sub-Antarctic islands. <i>Quaternary Science Reviews</i> , 2009, 28, 2213-2230.	1.4	97
6	Constant Holocene Southern-Ocean $^{14}\text{C}$ reservoir ages and ice-shelf flow rates. <i>Earth and Planetary Science Letters</i> , 2010, 296, 115-123.	1.8	87
7	Holocene relative sea-level history of the Southern Victoria Land Coast, Antarctica. <i>Global and Planetary Change</i> , 2004, 42, 241-263.	1.6	78
8	A new Holocene relative sea-level curve for Terra Nova Bay, Victoria Land, Antarctica. <i>Journal of Quaternary Science</i> , 2004, 19, 377-396.	1.1	77
9	Use of uranium-thorium dating to determine past $^{14}\text{C}$ reservoir effects in lakes: examples from Antarctica. <i>Earth and Planetary Science Letters</i> , 2001, 193, 565-577.	1.8	72
10	Glacier expansion in southern Patagonia throughout the Antarctic cold reversal. <i>Geology</i> , 2012, 40, 859-862.	2.0	72
11	Radiocarbon chronology of Ross Sea drift, eastern Taylor Valley, Antarctica: evidence for a grounded ice sheet in the Ross Sea at the last glacial maximum. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82, 305-336.	0.6	70
12	Late Quaternary evolution of Reedy Glacier, Antarctica. <i>Quaternary Science Reviews</i> , 2010, 29, 1328-1341.	1.4	70
13	Post-glacial regional climate variability along the East Antarctic coastal margin—Evidence from shallow marine and coastal terrestrial records. <i>Earth-Science Reviews</i> , 2011, 104, 199-212.	4.0	67
14	Late Holocene expansion of Istorvet ice cap, Liverpool Land, east Greenland. <i>Quaternary Science Reviews</i> , 2013, 63, 128-140.	1.4	66
15	Evidence from Taylor Valley for a Grounded Ice Sheet in the Ross Sea, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82A, 275-303.	0.6	66
16	New relative sea-level curves for the southern Scott Coast, Antarctica: evidence for Holocene deglaciation of the western Ross Sea. <i>Journal of Quaternary Science</i> , 1999, 14, 641-650.	1.1	64
17	Radiocarbon Chronology of Ross Sea Drift, Eastern Taylor Valley, Antarctica: Evidence for a Grounded Ice Sheet in the Ross Sea at the Last Glacial Maximum. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82A, 305-336.	0.6	64
18	Glacial Lake Victoria, a high-level Antarctic Lake inferred from lacustrine deposits in Victoria Valley. <i>Journal of Quaternary Science</i> , 2002, 17, 697-706.	1.1	61

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19	Rapid early Holocene deglaciation in the Ross Sea, Antarctica. <i>Geophysical Research Letters</i> , 2017, 44, 7817-7825.	1.5	60
20	The deglaciation of the Americas during the Last Glacial Termination. <i>Earth-Science Reviews</i> , 2020, 203, 103113.	4.0	60
21	Extensive recession of Cordillera Darwin glaciers in southernmost South America during Heinrich Stadial 1. <i>Quaternary Science Reviews</i> , 2013, 62, 49-55.	1.4	58
22	Surficial geology and geomorphology of eastern and central Wright Valley, Antarctica. <i>Geomorphology</i> , 2005, 64, 25-65.	1.1	54
23	Holocene elephant seal distribution implies warmer-than-present climate in the Ross Sea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10213-10217.	3.3	54
24	Holocene fluctuations of Bregne ice cap, Scoresby Sund, east Greenland: a proxy for climate along the Greenland Ice Sheet margin. <i>Quaternary Science Reviews</i> , 2014, 92, 357-368.	1.4	53
25	Evidence from Taylor Valley for a grounded ice sheet in the Ross Sea, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82, 275-303.	0.6	47
26	Antarctic lakes suggest millennial reorganizations of Southern Hemisphere atmospheric and oceanic circulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21355-21359.	3.3	42
27	Late Cenozoic deposits at Reedy Glacier, Transantarctic Mountains: implications for former thickness of the West Antarctic Ice Sheet. <i>Quaternary Science Reviews</i> , 2010, 29, 384-398.	1.4	39
28	Accumulation and marine forcing of ice dynamics in the western Ross Sea during the last deglaciation. <i>Nature Geoscience</i> , 2015, 8, 625-628.	5.4	39
29	Glacial geomorphology of the Torres del Paine region (southern Patagonia): Implications for glaciation, deglaciation and paleolake history. <i>Geomorphology</i> , 2014, 204, 599-616.	1.1	37
30	Timing and magnitude of early to middle Holocene warming in East Greenland inferred from chironomids. <i>Boreas</i> , 2017, 46, 678-687.	1.2	36
31	Antarctic Relic Microbial Mat Community Revealed by Metagenomics and Metatranscriptomics. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	36
32	Relative sea-level change, Kjøve Land, Scoresby Sund, East Greenland: Implications for seasonality in Younger Dryas time. <i>Quaternary Science Reviews</i> , 2008, 27, 2283-2291.	1.4	31
33	Coeval fluctuations of the Greenland ice sheet and a local glacier, central East Greenland, during late glacial and early Holocene time. <i>Geophysical Research Letters</i> , 2016, 43, 1623-1631.	1.5	31
34	Cultivable bacteria from ancient algal mats from the McMurdo Dry Valleys, Antarctica. <i>Extremophiles</i> , 2012, 16, 105-114.	0.9	30
35	Extent and Chronology of the Ross Sea Ice Sheet and the Wilson Piedmont Glacier along the Scott Coast at and Since the Last Glacial Maximum. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82A, 337-363.	0.6	30
36	Late Tertiary Antarctic Paleoclimate and Ice-Sheet Dynamics Inferred from Surficial Deposits in Wright Valley. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 239.	0.6	28

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37	Holocene depositional environments and surface-level changes at Lake Fryxell, Antarctica. <i>Holocene</i> , 2008, 18, 775-786.	0.9	27
38	Control on ( <sup>234</sup> U/ <sup>238</sup> U) in lake water: A study in the Dry Valleys of Antarctica. <i>Chemical Geology</i> , 2006, 226, 298-308.	1.4	24
39	Extent and chronology of the Ross Sea ice sheet and the Wilson Piedmont Glacier along the Scott Coast at and since the last glacial maximum. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82, 337-363.	0.6	23
40	Late Pleistocene evolution of Scott Glacier, southern Transantarctic Mountains: implications for the Antarctic contribution to deglacial sea level. <i>Quaternary Science Reviews</i> , 2012, 50, 1-13.	1.4	22
41	The most extensive Holocene advance in the Stauning Alper, East Greenland, occurred in the Little Ice Age. <i>Polar Research</i> , 2008, 27, 128-134.	1.6	21
42	Holocene glacier fluctuations on the northern flank of Cordillera Darwin, southernmost South America. <i>Quaternary Science Reviews</i> , 2019, 222, 105904.	1.4	21
43	Lake-ice conveyor deposits: Geomorphology, sedimentology, and importance in reconstructing the glacial history of the Dry Valleys. <i>Geomorphology</i> , 2006, 75, 143-156.	1.1	20
44	History of the grounded ice sheet in the Ross Sea sector of Antarctica during the Last Glacial Maximum and the last termination. <i>Geological Society Special Publication</i> , 2013, 381, 167-181.	0.8	20
45	Adelie penguin dietary remains reveal Holocene environmental changes in the western Ross Sea (Antarctica). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 395, 21-28.	1.0	17
46	Relative sea-level data preclude major late Holocene ice-mass change in Pine Island Bay. <i>Nature Geoscience</i> , 2022, 15, 568-572.	5.4	12
47	Trends in grain size and BET surface area in cold-arid versus warm-semiarid fluvial systems. <i>Geomorphology</i> , 2014, 206, 483-491.	1.1	11
48	Holocene climate and environmental history of East Greenland inferred from lake sediments. <i>Journal of Paleolimnology</i> , 2017, 57, 321-341.	0.8	11
49	Evidence of prehistoric human activity in the Falkland Islands. <i>Science Advances</i> , 2021, 7, eabh3803.	4.7	11
50	Asynchronous behavior of the Antarctic Ice Sheet and local glaciers during and since Termination 1, Salmon Valley, Antarctica. <i>Earth and Planetary Science Letters</i> , 2018, 482, 396-406.	1.8	9
51	Chemical weathering trends in fine-grained ephemeral stream sediments of the McMurdo Dry Valleys, Antarctica. <i>Geomorphology</i> , 2017, 281, 13-30.	1.1	8
52	<sup>14</sup> C and <sup>10</sup> Be dated Late Holocene fluctuations of Patagonian glaciers in Torres del Paine (Chile, 51°S) and connections to Antarctic climate change. <i>Quaternary Science Reviews</i> , 2020, 246, 106541.	1.4	8
53	Delayed maximum and recession of an East Antarctic outlet glacier. <i>Geology</i> , 2020, 48, 630-634.	2.0	8
54	Holocene glacial history of Renland Ice Cap, East Greenland, reconstructed from lake sediments. <i>Quaternary Science Reviews</i> , 2021, 258, 106883.	1.4	8

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55	Molecular characterization of ancient algal mats from the McMurdo Dry Valleys, Antarctica. <i>Antarctic Science</i> , 2012, 24, 139-146.	0.5	7
56	BET surface area distributions in polar stream sediments: Implications for silicate weathering in a cold-arid environment. <i>Applied Geochemistry</i> , 2015, 52, 31-42.	1.4	7
57	Holocene thinning of Darwin and Hatherton glaciers, Antarctica, and implications for grounding-line retreat in the Ross Sea. <i>Cryosphere</i> , 2021, 15, 3329-3354.	1.5	5
58	Ice-sheet expansion from the Ross Sea into McMurdo Sound, Antarctica, during the last two glaciations. <i>Quaternary Science Reviews</i> , 2022, 278, 107379.	1.4	3
59	Holocene ice recession at Polygon Spur, Reedy Glacier, Antarctica. <i>Holocene</i> , 2017, 27, 122-129.	0.9	2
60	Response to comment on "Evidence of prehistoric human activity in the Falkland Islands". <i>Science Advances</i> , 2022, 8, eabo6765.	4.7	1