

# George H Denton

## List of Publications by Year in descending order

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118  
papers

10,907  
citations

26630

56  
h-index

30922

102  
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121  
all docs

121  
docs citations

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times ranked

5805  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of ocean-atmosphere reorganizations in glacial cycles. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 2465-2501.	3.9	851
2	Holocene Climatic Variations—Their Pattern and Possible Cause. <i>Quaternary Research</i> , 1973, 3, 155-205.	1.7	804
3	Ice Age Terminations. <i>Science</i> , 2009, 326, 248-252.	12.6	794
4	The role of seasonality in abrupt climate change. <i>Quaternary Science Reviews</i> , 2005, 24, 1159-1182.	3.0	463
5	High-Frequency Holocene Glacier Fluctuations in New Zealand Differ from the Northern Signature. <i>Science</i> , 2009, 324, 622-625.	12.6	324
6	Near-Synchronous Interhemispheric Termination of the Last Glacial Maximum in Mid-Latitudes. <i>Science</i> , 2006, 312, 1510-1513.	12.6	268
7	Preservation of Miocene glacier ice in East Antarctica. <i>Nature</i> , 1995, 376, 412-414.	27.8	225
8	Putting the Younger Dryas cold event into context. <i>Quaternary Science Reviews</i> , 2010, 29, 1078-1081.	3.0	218
9	Late Wisconsin and Early Holocene Glacial History, Inner Ross Embayment, Antarctica. <i>Quaternary Research</i> , 1989, 31, 151-182.	1.7	210
10	The role of ocean-atmosphere reorganizations in glacial cycles. <i>Quaternary Science Reviews</i> , 1990, 9, 305-341.	3.0	196
11	Reconstructing the Antarctic Ice Sheet at the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2002, 21, 193-202.	3.0	185
12	Glacier advance in southern middle-latitudes during the Antarctic Cold Reversal. <i>Nature Geoscience</i> , 2010, 3, 700-704.	12.9	179
13	In-situ cosmogenic $^{10}\text{Be}$ production rate at Lago Argentino, Patagonia: Implications for late-glacial climate chronology. <i>Earth and Planetary Science Letters</i> , 2011, 309, 21-32.	4.4	162
14	Cosmogenic noble gas studies in the oldest landscape on earth: surface exposure ages of the Dry Valleys, Antarctica. <i>Earth and Planetary Science Letters</i> , 1999, 167, 215-226.	4.4	158
15	Glacier retreat in New Zealand during the Younger Dryas stadial. <i>Nature</i> , 2010, 467, 194-197.	27.8	155
16	A revised age for the Kawakawa/Oruanui tephra, a key marker for the Last Glacial Maximum in New Zealand. <i>Quaternary Science Reviews</i> , 2013, 74, 195-201.	3.0	151
17	Interhemispheric climate links revealed by a late-glacial cooling episode in southern Chile. <i>Nature</i> , 2001, 409, 804-808.	27.8	143
18	The Last Glacial Maximum at $44^{\circ}\text{S}$ documented by a $^{10}\text{Be}$ moraine chronology at Lake Ohau, Southern Alps of New Zealand. <i>Quaternary Science Reviews</i> , 2013, 62, 114-141.	3.0	143

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19	Holocene Glacial and Tree-Line Variations in the White River Valley and Skolai Pass, Alaska and Yukon Territory. <i>Quaternary Research</i> , 1977, 7, 63-111.	1.7	135
20	Chronology of Taylor Glacier Advances in Arena Valley, Antarctica, Using in Situ Cosmogenic <sup>3</sup> He and <sup>10</sup> Be. <i>Quaternary Research</i> , 1993, 39, 11-23.	1.7	126
21	Late Cenozoic Antarctic paleoclimate reconstructed from volcanic ashes in the Dry Valleys region of southern Victoria Land. <i>Bulletin of the Geological Society of America</i> , 1996, 108, 181-194.	3.3	125
22	Late Tertiary history of the Antarctic ice sheet: Evidence from the Dry Valleys. <i>Geology</i> , 1984, 12, 263.	4.4	118
23	The mystery interval 17.5 to 14.5 kyrs ago. <i>PAGES News</i> , 2006, 14, 14-16.	0.3	118
24	Lichenometry: Its Application to Holocene Moraine Studies in Southern Alaska and Swedish Lapland. <i>Arctic and Alpine Research</i> , 1973, 5, 347.	1.3	113
25	A <sup>10</sup> 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.	3.0	112
26	Moraine Exposure Dates Imply Synchronous Younger Dryas Glacier Advances in the European Alps and in the Southern Alps of New Zealand. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1999, 81, 313-323.	1.5	112
27	Miocene and Pliocene paleoclimate of the Dry Valleys region, Southern Victoria land: a geomorphological approach. <i>Marine Micropaleontology</i> , 1996, 27, 253-271.	1.2	105
28	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.	1.5	101
29	Age verification of the Lake Gribben forest bed and the Younger Dryas Advance of the Laurentide Ice Sheet. <i>Canadian Journal of Earth Sciences</i> , 1999, 36, 383-393.	1.3	99
30	Regional climate control of glaciers in New Zealand and Europe during the pre-industrial Holocene. <i>Nature Geoscience</i> , 2012, 5, 627-630.	12.9	99
31	Glaciology and geological signature of the Last Glacial Maximum Antarctic ice sheet. <i>Quaternary Science Reviews</i> , 2013, 78, 225-247.	3.0	99
32	Milankovitch Theory of Ice Ages: Hypothesis of Ice-Sheet Linkage Between Regional Insolation and Global Climate. <i>Quaternary Research</i> , 1983, 20, 125-144.	1.7	97
33	Global Ice-Sheet System Interlocked by Sea Level. <i>Quaternary Research</i> , 1986, 26, 3-26.	1.7	96
34	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.	1.5	96
35	Last Glacial Maximum climate in New Zealand inferred from a modelled Southern Alps icefield. <i>Quaternary Science Reviews</i> , 2012, 46, 30-45.	3.0	91
36	Radiocarbon chronology of the last glacial maximum and its termination in northwestern Patagonia. <i>Quaternary Science Reviews</i> , 2015, 122, 233-249.	3.0	90

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37	Wobbly ocean conveyor circulation during the Holocene?. <i>Quaternary Science Reviews</i> , 2008, 27, 1939-1950.	3.0	89
38	Warming and glacier recession in the Rakaia valley, Southern Alps of New Zealand, during Heinrich Stadial 1. <i>Earth and Planetary Science Letters</i> , 2013, 382, 98-110.	4.4	87
39	The Southern Glacial Maximum 65,000 years ago and its Unfinished Termination. <i>Quaternary Science Reviews</i> , 2015, 114, 52-60.	3.0	86
40	Holocene glacial variations in Sarek National Park, northern Sweden. <i>Boreas</i> , 1976, 5, 25-56.	2.4	83
41	Late Quaternary Ice-Surface Fluctuations of Hatherton Glacier, Transantarctic Mountains. <i>Quaternary Research</i> , 1989, 31, 229-254.	1.7	82
42	The oldest ice on Earth in Beacon Valley, Antarctica: new evidence from surface exposure dating. <i>Earth and Planetary Science Letters</i> , 2000, 179, 91-99.	4.4	80
43	Meltwater features that suggest miocene ice-sheet overriding of the transantarctic mountains in victoria land, antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2005, 87, 67-85.	1.5	80
44	Holocene relative sea-level history of the Southern Victoria Land Coast, Antarctica. <i>Global and Planetary Change</i> , 2004, 42, 241-263.	3.5	78
45	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.	1.5	70
46	Holocene glacier history of the Lago Argentino basin, Southern Patagonian Icefield. <i>Quaternary Science Reviews</i> , 2014, 101, 124-145.	3.0	70
47	Late Holocene expansion of Istorvet ice cap, Liverpool Land, east Greenland. <i>Quaternary Science Reviews</i> , 2013, 63, 128-140.	3.0	66
48	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.	1.5	66
49	Late Quaternary Ice-Surface Fluctuations of Beardmore Glacier, Transantarctic Mountains. <i>Quaternary Research</i> , 1989, 31, 183-209.	1.7	65
50	Full-glacial " late-glacial palaeoclimate of the Southern Andes: evidence from pollen, beetle and glacial records. <i>Journal of Quaternary Science</i> , 1996, 11, 173-184.	2.1	64
51	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.	2.1	64
52	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.	1.5	64
53	Landscape development in the Royal Society Range, southern Victoria Land, Antarctica: stability since the mid-Miocene. <i>Geomorphology</i> , 1999, 28, 181-200.	2.6	63
54	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.	2.1	61

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55	Minimal Pliocene-Pleistocene uplift of the dry valleys sector of the Transantarctic Mountains: A key parameter in ice-sheet reconstructions. <i>Geology</i> , 1993, 21, 841.	4.4	60
56	The Zealandia Switch: Ice age climate shifts viewed from Southern Hemisphere moraines. <i>Quaternary Science Reviews</i> , 2021, 257, 106771.	3.0	59
57	Miocene-Pliocene-Pleistocene Glacial History of Arena Valley, Quartermain Mountains, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 269.	1.5	59
58	Extensive recession of Cordillera Darwin glaciers in southernmost South America during Heinrich Stadial 1. <i>Quaternary Science Reviews</i> , 2013, 62, 49-55.	3.0	58
59	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 303-330.	1.5	57
60	Mismatch of glacier extent and summer insolation in Southern Hemisphere mid-latitudes. <i>Geology</i> , 2015, 43, 407-410.	4.4	56
61	Surficial geology and geomorphology of eastern and central Wright Valley, Antarctica. <i>Geomorphology</i> , 2005, 64, 25-65.	2.6	54
62	Little Ice Age wetting of interior Asian deserts and the rise of the Mongol Empire. <i>Quaternary Science Reviews</i> , 2016, 131, 33-50.	3.0	54
63	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 303.	1.5	53
64	Cooling and changing seasonality in the Southern Alps, New Zealand during the Antarctic Cold Reversal. <i>Quaternary Science Reviews</i> , 2008, 27, 589-601.	3.0	52
65	Miocene-Pliocene-Pleistocene Glacial History of Arena Valley, Quartermain Mountains, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 269-302.	1.5	51
66	High-precision <sup>10</sup> Be chronology of moraines in the Southern Alps indicates synchronous cooling in Antarctica and New Zealand 42,000 years ago. <i>Earth and Planetary Science Letters</i> , 2014, 405, 194-206.	4.4	51
67	The geologic basis for a reconstruction of a grounded ice sheet in mcmurdo sound, antarctica, at the last glacial maximum. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82, 167-211.	1.5	50
68	Quaternary changes in level of the upper Taylor Glacier, Antarctica: implications for paleoclimate and East Antarctic Ice Sheet dynamics. <i>Boreas</i> , 1994, 23, 29-43.	2.4	50
69	Evaluation of Lateglacial temperatures in the Southern Alps of New Zealand based on glacier modelling at Irishman Stream, Ben Ohau Range. <i>Quaternary Science Reviews</i> , 2013, 74, 160-169.	3.0	50
70	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.	1.5	47
71	Reconstruction of the Ross Ice Drainage System, Antarctica, at the Last Glacial Maximum. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82A, 143-166.	1.5	46
72	Neoglaciation. <i>Scientific American</i> , 1970, 222, 100-110.	1.0	42

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73	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.	7.1	42
74	An inference model for mean summer air temperatures in the Southern Alps, New Zealand, using subfossil chironomids. <i>Quaternary Science Reviews</i> , 2007, 26, 2487-2504.	3.0	41
75	The Geologic Basis for a Reconstruction of a Grounded Ice Sheet in McMurdo Sound, Antarctica, at the Last Glacial Maximum. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82A, 167-211.	1.5	41
76	The Case for a Stable East Antarctic Ice Sheet: The Background. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 151-154.	1.5	40
77	The Case for a Stable East Antarctic Ice Sheet: The Background. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 151.	1.5	40
78	Accumulation and marine forcing of ice dynamics in the western Ross Sea during the last deglaciation. <i>Nature Geoscience</i> , 2015, 8, 625-628.	12.9	39
79	Late Pleistocene Glacial Stratigraphy and Chronology, Northeastern St Elias Mountains, Yukon Territory, Canada. <i>Bulletin of the Geological Society of America</i> , 1967, 78, 485.	3.3	37
80	Does an asymmetric thermohaline-ice-sheet oscillator drive 100 000-yr glacial cycles?. <i>Journal of Quaternary Science</i> , 2000, 15, 301-318.	2.1	37
81	Quaternary Glaciations of the White River Valley, Alaska, with a Regional Synthesis for the Northern St. Elias Mountains, Alaska and Yukon Territory. <i>Bulletin of the Geological Society of America</i> , 1974, 85, 871.	3.3	36
82	Subglacial Meltwater Channel Systems and Ice Sheet Overriding, Asgard Range, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1991, 73, 109-121.	1.5	36
83	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, 239-267.	1.5	34
84	Glacial Geomorphologic Maps of Llanquihue Drift in the Area of the Southern Lake District, Chile. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1999, 81, 155-166.	1.5	34
85	Geochronology of Bonney Drift, Taylor Valley, Antarctica: Evidence for Interglacial Expansions of Taylor Glacier. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82A, 391-409.	1.5	33
86	Limited Pliocene Glacier Extent and Surface Uplift in Middle Taylor Valley, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993, 75, 331.	1.5	33
87	Reconstruction of the Ross ice drainage system, Antarctica, at the last glacial maximum. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000, 82, 143-166.	1.5	32
88	The anatomy of Last Glacial Maximum climate variations in south Westland, New Zealand, derived from pollen records. <i>Quaternary Science Reviews</i> , 2013, 74, 215-229.	3.0	32
89	Millennial-scale pulsebeat of glaciation in the Southern Alps of New Zealand. <i>Quaternary Science Reviews</i> , 2019, 220, 165-177.	3.0	30
90	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.	1.5	30

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91	Oxygen isotope ratios of antarctic permafrost and glacier ice. Antarctic Research Series, 1981, , 131-139.	0.2	29
92	Late Tertiary Antarctic Paleoclimate and Ice-Sheet Dynamics Inferred from Surficial Deposits in Wright Valley. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 239.	1.5	28
93	Chapter 22: Glacial history of the Ellsworth Mountains, West Antarctica. Memoir of the Geological Society of America, 1992, , 403-432.	0.5	27
94	Limited Pliocene Glacier Extent and Surface Uplift in Middle Taylor Valley, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 331-351.	1.5	27
95	Permafrost oxygen isotope ratios and chronology of three cores from Antarctica. Nature, 1976, 261, 547-550.	27.8	26
96	Geochronology of bonney drift, taylor valley, antarctica: evidence for interglacial expansions of taylor glacier. Geografiska Annaler, Series A: Physical Geography, 2000, 82, 391-409.	1.5	26
97	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. Geografiska Annaler, Series A: Physical Geography, 2000, 82, 337-363.	1.5	23
98	The most extensive Holocene advance in the Stauning Alper, East Greenland, occurred in the Little Ice Age. Polar Research, 2008, 27, 128-134.	1.6	21
99	A beryllium-10 chronology of late-glacial moraines in the upper Rakaia valley, Southern Alps, New Zealand supports Southern-Hemisphere warming during the Younger Dryas. Quaternary Science Reviews, 2017, 170, 14-25.	3.0	21
100	Reconciling the onset of deglaciation in the upper Rangitata valley, Southern Alps, New Zealand. Quaternary Science Reviews, 2019, 203, 141-150.	3.0	21
101	Holocene history of the Wilson Piedmont Glacier along the southern Scott Coast, Antarctica. Holocene, 2002, 12, 619-627.	1.7	20
102	Lake-ice conveyor deposits: Geomorphology, sedimentology, and importance in reconstructing the glacial history of the Dry Valleys. Geomorphology, 2006, 75, 143-156.	2.6	20
103	History of the grounded ice sheet in the Ross Sea sector of Antarctica during the Last Glacial Maximum and the last termination. Geological Society Special Publication, 2013, 381, 167-181.	1.3	20
104	Late Cenozoic paleoenvironment in southern Victoria Land, Antarctica, based on a polar glaciolacustrine deposit in western Victoria Valley. Bulletin of the Geological Society of America, 2002, 114, 605-618.	3.3	16
105	Climate Inferences from a Glaciological Reconstruction of the Late Pleistocene Wind River Ice Cap, Wind River Range, Wyoming. Arctic, Antarctic, and Alpine Research, 2012, 44, 265-276.	1.1	15
106	Rhizocarpon calibration curve for the Aoraki/Mount Cook area of New Zealand. Journal of Quaternary Science, 2005, 20, 313-325.	2.1	13
107	An exercise in glacier length modeling: Interannual climatic variability alone cannot explain Holocene glacier fluctuations in New Zealand. Earth and Planetary Science Letters, 2017, 470, 48-53.	4.4	13
108	Age of a Widespread Layer of Volcanic Ash in the Southwestern Yukon Territory. Arctic, 1964, 17, .	0.4	11

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109	Glacial geology of cape bird, ross island, antarctica. Geografiska Annaler, Series A: Physical Geography, 2000, 82, 237-247.	1.5	10
110	Asynchronous behavior of the Antarctic Ice Sheet and local glaciers during and since Termination 1, Salmon Valley, Antarctica. Earth and Planetary Science Letters, 2018, 482, 396-406.	4.4	9
111	Minimal Pliocene-Pleistocene uplift of the dry valleys sector of the Transantarctic Mountains: A key parameter in ice-sheet reconstructions: Comment and Reply. Geology, 1994, 22, 668.	4.4	7
112	A <sup>10</sup> Be Moraine Chronology of the Last Glaciation and Termination at 49°N in the Mongolian Altai of Central Asia. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	7
113	East Antarctic retreat. Nature Geoscience, 2011, 4, 135-136.	12.9	5
114	Glacial Geology of Cape Bird, Ross Island, Antarctica. Geografiska Annaler, Series A: Physical Geography, 2000, 82A, 237-247.	1.5	5
115	Ice-sheet expansion from the Ross Sea into McMurdo Sound, Antarctica, during the last two glaciations. Quaternary Science Reviews, 2022, 278, 107379.	3.0	3
116	Reply to comment received from J. Shulmeister et al. regarding "Reconciling the onset of deglaciation in the upper Rangitata valley, Southern Alps, New Zealand" (Quaternary Science Reviews 203 (2019), 1-10) [https://doi.org/10.1016/j.quascirev.2019.06.010]		0
117	Reply to Comments by Vern Rampton. Quaternary Research, 1978, 10, 134-134.	1.7	0
118	Reply to Miller et al. (2013) 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). Quaternary Science Reviews, 2013, 77, 246-247.	3.0	0