George H Denton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116 papers	9,227 citations	53 h-index	95 g-index
121 ext. papers	9,974 ext. citations	6 avg, IF	5.78 L-index

#	Paper	IF	Citations
116	Ice-sheet expansion from the Ross Sea into McMurdo Sound, Antarctica, during the last two glaciations. *Quaternary Science Reviews*, **2022**, 278, 107379	3.9	0
115	The Zealandia Switch: Ice age climate shifts viewed from Southern Hemisphere moraines. *Quaternary Science Reviews*, **2021**, 257, 106771	3.9	19
114	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), 141–150.). *Quaternary Science Reviews*, **2019**, 219, 316-318	3.9	2
113	Millennial-scale pulsebeat of glaciation in the Southern Alps of New Zealand. *Quaternary Science Reviews*, **2019**, 220, 165-177	3.9	17
112	Reconciling the onset of deglaciation in the upper Rangitata valley, Southern Alps, New Zealand. *Quaternary Science Reviews*, **2019**, 203, 141-150	3.9	17
111	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	5.3	6
110	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	5.3	6
109	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	3.9	13
108	Little Ice Age wetting of interior Asian deserts and the rise of the Mongol Empire. *Quaternary Science Reviews*, **2016**, 131, 33-50	3.9	43
107	The Southern Glacial Maximum 65,000 years ago and its Unfinished Termination. *Quaternary Science Reviews*, **2015**, 114, 52-60	3.9	60
106	Radiocarbon chronology of the last glacial maximum and its termination in northwestern Patagonia. *Quaternary Science Reviews*, **2015**, 122, 233-249	3.9	72
105	Accumulation and marine forcing of ice dynamics in the western Ross Sea during the last deglaciation. *Nature Geoscience*, **2015**, 8, 625-628	18.3	30
104	Mismatch of glacier extent and summer insolation in Southern Hemisphere mid-latitudes. *Geology*, **2015**, 43, 407-410	5	40
103	Holocene glacier history of the Lago Argentino basin, Southern Patagonian Icefield. *Quaternary Science Reviews*, **2014**, 101, 124-145	3.9	51
102	High-precision 10 Be chronology of moraines in the Southern Alps indicates synchronous cooling in Antarctica and New Zealand 42,000 years ago. *Earth and Planetary Science Letters*, **2014**, 405, 194-206	5.3	39
101	Glaciology and geological signature of the Last Glacial Maximum Antarctic ice sheet. *Quaternary Science Reviews*, **2013**, 78, 225-247	3.9	84
100	Extensive recession of Cordillera Darwin glaciers in southernmost South America during Heinrich Stadial 1. *Quaternary Science Reviews*, **2013**, 62, 49-55	3.9	48

99	The anatomy of Last Glacial Maximum climate variations in south Westland, New Zealand, derived from pollen records. *Quaternary Science Reviews*, **2013**, 74, 215-229	3.9	29
98	Evaluation of Lateglacial temperatures in the Southern Alps of New Zealand based on glacier modelling at Irishman Stream, Ben Ohau Range. *Quaternary Science Reviews*, **2013**, 74, 160-169	3.9	36
97	The Last Glacial Maximum at 44°S documented by a 10Be moraine chronology at Lake Ohau, Southern Alps of New Zealand. *Quaternary Science Reviews*, **2013**, 62, 114-141	3.9	115
96	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	3.9	
95	Warming and glacier recession in the Rakaia valley, Southern Alps of New Zealand, during Heinrich Stadial 1. *Earth and Planetary Science Letters*, **2013**, 382, 98-110	5.3	70
94	A revised age for the Kawakawa/Oruanui tephra, a key marker for the Last Glacial Maximum in New Zealand. *Quaternary Science Reviews*, **2013**, 74, 195-201	3.9	126
93	Late Holocene expansion of Istorvet ice cap, Liverpool Land, east Greenland. *Quaternary Science Reviews*, **2013**, 63, 128-140	3.9	57
92	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	1.7	16
91	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	1.8	13
90	Last Glacial Maximum climate in New Zealand inferred from a modelled Southern Alps icefield. *Quaternary Science Reviews*, **2012**, 46, 30-45	3.9	79
89	Regional climate control of glaciers in New Zealand and Europe during the pre-industrial Holocene. *Nature Geoscience*, **2012**, 5, 627-630	18.3	85
88	In-situ cosmogenic 10Be production rate at Lago Argentino, Patagonia: Implications for late-glacial climate chronology. *Earth and Planetary Science Letters*, **2011**, 309, 21-32	5.3	141
87	Glacier retreat in New Zealand during the Younger Dryas stadial. *Nature*, **2010**, 467, 194-7	50.4	128
86	Glacier advance in southern middle-latitudes during the Antarctic Cold Reversal. *Nature Geoscience*, **2010**, 3, 700-704	18.3	155
85	Antarctic lakes suggest millennial reorganizations of Southern Hemisphere atmospheric and oceanic circulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21355-9	11.5	37
84	Putting the Younger Dryas cold event into context. *Quaternary Science Reviews*, **2010**, 29, 1078-1081	3.9	160
83	Ice age terminations. *Science*, **2009**, 326, 248-52	33.3	655
82	High-frequency Holocene glacier fluctuations in New Zealand differ from the northern signature. *Science*, **2009**, 324, 622-5	33.3	268

81	The most extensive Holocene advance in the Stauning Alper, East Greenland, occurred in the Little Ice Age. *Polar Research*, **2008**, 27, 128-134	2	19
80	Cooling and changing seasonality in the Southern Alps, New Zealand during the Antarctic Cold Reversal. *Quaternary Science Reviews*, **2008**, 27, 589-601	3.9	48
79	A 10Be chronology of lateglacial and Holocene mountain glaciation in the Scoresby Sund region, east Greenland: implications for seasonality during lateglacial time. *Quaternary Science Reviews*, **2008**, 27, 2273-2282	3.9	97
78	Wobbly ocean conveyor circulation during the Holocene?. *Quaternary Science Reviews*, **2008**, 27, 1939-1950	3.9	84
77	Holocene glacial variations in Sarek National Park, northern Sweden. *Boreas*, **2008**, 5, 25-56	2.4	67
76	Quaternary changes in level of the upper Taylor Glacier, Antarctica: implications for paleoclimate and East Antarctic Ice Sheet dynamics. *Boreas*, **2008**, 23, 29-43	2.4	40
75	An inference model for mean summer air temperatures in the Southern Alps, New Zealand, using subfossil chironomids. *Quaternary Science Reviews*, **2007**, 26, 2487-2504	3.9	37
74	Near-synchronous interhemispheric termination of the last glacial maximum in mid-latitudes. *Science*, **2006**, 312, 1510-3	33.3	233
73	Lake-ice conveyor deposits: Geomorphology, sedimentology, and importance in reconstructing the glacial history of the Dry Valleys. *Geomorphology*, **2006**, 75, 143-156	4.3	17
72	The mystery interval 17.5 to 14.5 kyrs ago. *PAGES News*, **2006**, 14, 14-16		101
71	Surficial geology and geomorphology of eastern and central Wright Valley, Antarctica. *Geomorphology*, **2005**, 64, 25-65	4.3	48
70	The role of seasonality in abrupt climate change. *Quaternary Science Reviews*, **2005**, 24, 1159-1182	3.9	393
69	Meltwater features that suggest miocene ice-sheet overriding of the transantarctic mountains in victoria land, antarctica. *Geografiska Annaler, Series A: Physical Geography*, **2005**, 87, 67-85	1.1	69
68	Rhizocarpon calibration curve for the Aoraki/Mount Cook area of New Zealand. *Journal of Quaternary Science*, **2005**, 20, 313-325	2.3	13
67	Holocene relative sea-level history of the Southern Victoria Land Coast, Antarctica. *Global and Planetary Change*, **2004**, 42, 241-263	4.2	64
66	Glacial Lake Victoria, a high-level Antarctic Lake inferred from lacustrine deposits in Victoria Valley. *Journal of Quaternary Science*, **2002**, 17, 697-706	2.3	53
65	Holocene history of the Wilson Piedmont Glacier along the southern Scott Coast, Antarctica. *Holocene*, **2002**, 12, 619-627	2.6	17
64	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	3.9	14

63	Reconstructing the Antarctic Ice Sheet at the Last Glacial Maximum. *Quaternary Science Reviews*, **2002**, 21, 193-202	3.9	172
62	Interhemispheric climate links revealed by late-glacial cooling episode in southern Chile. *Nature*, **2001**, 409, 804-8	50.4	126
61	Does an asymmetric thermohaline ice-sheet oscillator drive 100 000-yr glacial cycles?. *Journal of Quaternary Science*, **2000**, 15, 301-318	2.3	32
60	Reconstruction of the ross ice drainage system, antarctica, at the last glacial maximum. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82, 143-166	1.1	22
59	The geologic basis for a reconstruction of a grounded ice sheet in mcmurdo sound, antarctica, at the last glacial maximum. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82, 167-211	1.1	36
58	Glacial geology of cape bird, ross island, antarctica. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82, 237-247	1.1	5
57	Evidence from taylor valley for a grounded ice sheet in the ross sea, antarctica. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82, 275-303	1.1	31
56	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. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82, 305-336	1.1	54
55	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	1.1	14
54	Geochronology of bonney drift, taylor valley, antarctica: evidence for interglacial expansions of taylor glacier. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82, 391-409	1.1	19
53	The oldest ice on Earth in Beacon Valley, Antarctica: new evidence from surface exposure dating. *Earth and Planetary Science Letters*, **2000**, 179, 91-99	5.3	75
52	Reconstruction of the Ross Ice Drainage System, Antarctica, at the Last Glacial Maximum. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82A, 143-166	1.1	41
51	The Geologic Basis for a Reconstruction of a Grounded Ice Sheet in McMurdo Sound, Antarctica, at the Last Glacial Maximum. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82A, 167-211	1.1	39
50	Glacial Geology of Cape Bird, Ross Island, Antarctica. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82A, 237-247	1.1	5
49	Evidence from Taylor Valley for a Grounded Ice Sheet in the Ross Sea, Antarctica. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82A, 275-303	1.1	64
48	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. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82A, 305-336	1.1	60
47	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**, 82A, 337-363	1.1	27
46	Geochronology of Bonney Drift, Taylor Valley, Antarctica: Evidence for Interglacial Expansions of Taylor Glacier. *Geografiska Annaler, Series A: Physical Geography*, **2000**, 82A, 391-409	1.1	31

45	New relative sea-level curves for the southern Scott Coast, Antarctica: evidence for Holocene deglaciation of the western Ross Sea. *Journal of Quaternary Science*, **1999**, 14, 641-650	2.3	57
44	Age verification of the Lake Gribben forest bed and the Younger Dryas Advance of the Laurentide Ice Sheet. *Canadian Journal of Earth Sciences*, **1999**, 36, 383-393	1.5	89
43	Landscape development in the Royal Society Range, southern Victoria Land, Antarctica: stability since the mid-Miocene. *Geomorphology*, **1999**, 28, 181-200	4.3	56
42	Cosmogenic noble gas studies in the oldest landscape on earth: surface exposure ages of the Dry Valleys, Antarctica. *Earth and Planetary Science Letters*, **1999**, 167, 215-226	5.3	124
41	Glacial Geomorphologic Maps of Llanquihue Drift in the Area of the Southern Lake District, Chile. *Geografiska Annaler, Series A: Physical Geography*, **1999**, 81, 155-166	1.1	30
40	Moraine Exposure Dates Imply Synchronous Younger Dryas Glacier Advances in the European Alps and in the Southern Alps of New Zealand. *Geografiska Annaler, Series A: Physical Geography*, **1999**, 81, 313-323	1.1	102
39	Late Cenozoic Antarctic paleoclimate reconstructed from volcanic ashes in the Dry Valleys region of southern Victoria Land. *Bulletin of the Geological Society of America*, **1996**, 108, 181-194	3.9	105
38	Miocene and Pliocene paleoclimate of the Dry Valleys region, Southern Victoria land: a geomorphological approach. *Marine Micropaleontology*, **1996**, 27, 253-271	1.7	100
37	Full-glacial late-glacial palaeoclimate of the Southern Andes: evidence from pollen, beetle and glacial records. *Journal of Quaternary Science*, **1996**, 11, 173-184	2.3	57
36	Preservation of Miocene glacier ice in East Antarctica. *Nature*, **1995**, 376, 412-414	50.4	201
35	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	5	6
34	East Antarctic Ice Sheet Sensitivity to Pliocene Climatic Change from a Dry Valleys Perspective. *Geografiska Annaler, Series A: Physical Geography*, **1993**, 75, 155-204	1.1	74
33	Late Tertiary Antarctic Paleoclimate and Ice-Sheet Dynamics Inferred from Surficial Deposits in Wright Valley. *Geografiska Annaler, Series A: Physical Geography*, **1993**, 75, 239-267	1.1	23
32	Miocene-Pliocene-Pleistocene Glacial History of Arena Valley, Quartermain Mountains, Antarctica. *Geografiska Annaler, Series A: Physical Geography*, **1993**, 75, 269-302	1.1	45
31	Limited Pliocene Glacier Extent and Surface Uplift in Middle Taylor Valley, Antarctica. *Geografiska Annaler, Series A: Physical Geography*, **1993**, 75, 331-351	1.1	22
30	Minimal Pliocene-Pleistocene uplift of the dry valleys sector of the Transantarctic Mountains: A key parameter in ice-sheet reconstructions. *Geology*, **1993**, 21, 841	5	53
29	The Case for a Stable East Antarctic Ice Sheet: The Background. *Geografiska Annaler, Series A: Physical Geography*, **1993**, 75, 151-154	1.1	30
28	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica. *Geografiska Annaler, Series A: Physical Geography*, **1993**, 75, 303-330	1.1	44

27	Chronology of Taylor Glacier Advances in Arena Valley, Antarctica, Using in Situ Cosmogenic 3He and 10Be. *Quaternary Research*, **1993**, 39, 11-23	1.9	111
26	Chapter 22: Glacial history of the Ellsworth Mountains, West Antarctica. *Memoir of the Geological Society of America*, **1992**, 403-432		19
25	Subglacial Meltwater Channel Systems and Ice Sheet Overriding, Asgard Range, Antarctica. *Geografiska Annaler, Series A: Physical Geography*, **1991**, 73, 109-121	1.1	29
24	The role of ocean-atmosphere reorganizations in glacial cycles. *Quaternary Science Reviews*, **1990**, 9, 305-341	3.9	173
23	Late Wisconsin and Early Holocene Glacial History, Inner Ross Embayment, Antarctica. *Quaternary Research*, **1989**, 31, 151-182	1.9	176
22	Late Quaternary Ice-Surface Fluctuations of Beardmore Glacier, Transantarctic Mountains. *Quaternary Research*, **1989**, 31, 183-209	1.9	60
21	Late Quaternary Ice-Surface Fluctuations of Hatherton Glacier, Transantarctic Mountains. *Quaternary Research*, **1989**, 31, 229-254	1.9	78
20	The role of ocean-atmosphere reorganizations in glacial cycles. *Geochimica Et Cosmochimica Acta*, **1989**, 53, 2465-2501	5.5	759
19	Global Ice-Sheet System Interlocked by Sea Level. *Quaternary Research*, **1986**, 26, 3-26	1.9	83
18	Late Tertiary history of the Antarctic ice sheet: Evidence from the Dry Valleys. *Geology*, **1984**, 12, 263	5	94
17	Milankovitch Theory of Ice Ages: Hypothesis of Ice-Sheet Linkage Between Regional Insolation and Global Climate. *Quaternary Research*, **1983**, 20, 125-144	1.9	84
16	Oxygen isotope ratios of antarctic permafrost and glacier ice. *Antarctic Research Series*, **1981**, 131-139		23
15	Reply to Comments by Vern Rampton. *Quaternary Research*, **1978**, 10, 134-134	1.9	
14	Holocene Glacial and Tree-Line Variations in the White River Valley and Skolai Pass, Alaska and Yukon Territory. *Quaternary Research*, **1977**, 7, 63-111	1.9	114
13	Permafrost oxygen isotope ratios and chronology of three cores from Antarctica. *Nature*, **1976**, 261, 547-550	50.4	22
12	Quaternary Glaciations of the White River Valley, Alaska, with a Regional Synthesis for the Northern St. Elias Mountains, Alaska and Yukon Territory. *Bulletin of the Geological Society of America*, **1974**, 85, 871	3.9	27
11	Holocene Climatic Variations—Their Pattern and Possible Cause. *Quaternary Research*, **1973**, 3, 155-205	1.9	708
10	Lichenometry: Its Application to Holocene Moraine Studies in Southern Alaska and Swedish Lapland. *Arctic and Alpine Research*, **1973**, 5, 347		84

9	Neoglaciation. *Scientific American*, **1970**, 222, 100-110	0.5	35
8	Late Pleistocene Glacial Stratigraphy and Chronology, Northeastern St Elias Mountains, Yukon Territory, Canada. *Bulletin of the Geological Society of America*, **1967**, 78, 485	3.9	26
7	Age of a Widespread Layer of Volcanic Ash in the Southwestern Yukon Territory. *Arctic*, **1964**, 17,	2.1	7
6	The Case for a Stable East Antarctic Ice Sheet: The Background		38
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