

George H Denton

List of Publications by Citations

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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	The role of ocean-atmosphere reorganizations in glacial cycles. <i>Geochimica Et Cosmochimica Acta</i> , 1989 , 53, 2465-2501	5.5	759
115	Holocene Climatic Variations—Their Pattern and Possible Cause. <i>Quaternary Research</i> , 1973 , 3, 155-205	1.9	708
114	Ice age terminations. <i>Science</i> , 2009 , 326, 248-52	33.3	655
113	The role of seasonality in abrupt climate change. <i>Quaternary Science Reviews</i> , 2005 , 24, 1159-1182	3.9	393
112	High-frequency Holocene glacier fluctuations in New Zealand differ from the northern signature. <i>Science</i> , 2009 , 324, 622-5	33.3	268
111	Near-synchronous interhemispheric termination of the last glacial maximum in mid-latitudes. <i>Science</i> , 2006 , 312, 1510-3	33.3	233
110	Preservation of Miocene glacier ice in East Antarctica. <i>Nature</i> , 1995 , 376, 412-414	50.4	201
109	Late Wisconsin and Early Holocene Glacial History, Inner Ross Embayment, Antarctica. <i>Quaternary Research</i> , 1989 , 31, 151-182	1.9	176
108	The role of ocean-atmosphere reorganizations in glacial cycles. <i>Quaternary Science Reviews</i> , 1990 , 9, 305-341	3.9	173
107	Reconstructing the Antarctic Ice Sheet at the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2002 , 21, 193-202	3.9	172
106	Putting the Younger Dryas cold event into context. <i>Quaternary Science Reviews</i> , 2010 , 29, 1078-1081	3.9	160
105	Glacier advance in southern middle-latitudes during the Antarctic Cold Reversal. <i>Nature Geoscience</i> , 2010 , 3, 700-704	18.3	155
104	In-situ cosmogenic ¹⁰ Be production rate at Lago Argentino, Patagonia: Implications for late-glacial climate chronology. <i>Earth and Planetary Science Letters</i> , 2011 , 309, 21-32	5.3	141
103	Glacier retreat in New Zealand during the Younger Dryas stadial. <i>Nature</i> , 2010 , 467, 194-7	50.4	128
102	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	3.9	126
101	Interhemispheric climate links revealed by late-glacial cooling episode in southern Chile. <i>Nature</i> , 2001 , 409, 804-8	50.4	126
100	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	5.3	124

99	The Last Glacial Maximum at 44 [±] 5 documented by a 10Be moraine chronology at Lake Ohau, Southern Alps of New Zealand. <i>Quaternary Science Reviews</i> , 2013 , 62, 114-141	3.9	115
98	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	1.9	114
97	Chronology of Taylor Glacier Advances in Arena Valley, Antarctica, Using in Situ Cosmogenic 3He and 10Be. <i>Quaternary Research</i> , 1993 , 39, 11-23	1.9	111
96	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	3.9	105
95	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	1.1	102
94	The mystery interval 17.5 to 14.5 kyrs ago. <i>PAGES News</i> , 2006 , 14, 14-16		101
93	Miocene and Pliocene paleoclimate of the Dry Valleys region, Southern Victoria land: a geomorphological approach. <i>Marine Micropaleontology</i> , 1996 , 27, 253-271	1.7	100
92	A 10Be 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	3.9	97
91	Late Tertiary history of the Antarctic ice sheet: Evidence from the Dry Valleys. <i>Geology</i> , 1984 , 12, 263	5	94
90	East Antarctic Ice Sheet Sensitivity to Pliocene Climatic Change from a Dry Valleys Perspective		93
89	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	1.5	89
88	Regional climate control of glaciers in New Zealand and Europe during the pre-industrial Holocene. <i>Nature Geoscience</i> , 2012 , 5, 627-630	18.3	85
87	Glaciology and geological signature of the Last Glacial Maximum Antarctic ice sheet. <i>Quaternary Science Reviews</i> , 2013 , 78, 225-247	3.9	84
86	Wobbly ocean conveyor circulation during the Holocene?. <i>Quaternary Science Reviews</i> , 2008 , 27, 1939-1950	3.9	84
85	Milankovitch Theory of Ice Ages: Hypothesis of Ice-Sheet Linkage Between Regional Insolation and Global Climate. <i>Quaternary Research</i> , 1983 , 20, 125-144	1.9	84
84	Lichenometry: Its Application to Holocene Moraine Studies in Southern Alaska and Swedish Lapland. <i>Arctic and Alpine Research</i> , 1973 , 5, 347		84
83	Global Ice-Sheet System Interlocked by Sea Level. <i>Quaternary Research</i> , 1986 , 26, 3-26	1.9	83
82	Last Glacial Maximum climate in New Zealand inferred from a modelled Southern Alps icefield. <i>Quaternary Science Reviews</i> , 2012 , 46, 30-45	3.9	79

81	Late Quaternary Ice-Surface Fluctuations of Hatherton Glacier, Transantarctic Mountains. <i>Quaternary Research</i> , 1989 , 31, 229-254	1.9	78
80	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	5.3	75
79	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	1.1	74
78	Radiocarbon chronology of the last glacial maximum and its termination in northwestern Patagonia. <i>Quaternary Science Reviews</i> , 2015 , 122, 233-249	3.9	72
77	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	5.3	70
76	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	1.1	69
75	Holocene glacial variations in Sarek National Park, northern Sweden. <i>Boreas</i> , 2008 , 5, 25-56	2.4	67
74	Holocene relative sea-level history of the Southern Victoria Land Coast, Antarctica. <i>Global and Planetary Change</i> , 2004 , 42, 241-263	4.2	64
73	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	1.1	64
72	The Southern Glacial Maximum 65,000 years ago and its Unfinished Termination. <i>Quaternary Science Reviews</i> , 2015 , 114, 52-60	3.9	60
71	Late Quaternary Ice-Surface Fluctuations of Beardmore Glacier, Transantarctic Mountains. <i>Quaternary Research</i> , 1989 , 31, 183-209	1.9	60
70	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	1.1	60
69	Miocene-Pliocene-Pleistocene Glacial History of Arena Valley, Quartermain Mountains, Antarctica		58
68	Late Holocene expansion of Istorvet ice cap, Liverpool Land, east Greenland. <i>Quaternary Science Reviews</i> , 2013 , 63, 128-140	3.9	57
67	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	2.3	57
66	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	2.3	57
65	Landscape development in the Royal Society Range, southern Victoria Land, Antarctica: stability since the mid-Miocene. <i>Geomorphology</i> , 1999 , 28, 181-200	4.3	56
64	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	1.1	54

63	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	2.3	53
62	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	5	53
61	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica		52
60	Holocene glacier history of the Lago Argentino basin, Southern Patagonian Icefield. <i>Quaternary Science Reviews</i> , 2014 , 101, 124-145	3.9	51
59	Extensive recession of Cordillera Darwin glaciers in southernmost South America during Heinrich Stadial 1. <i>Quaternary Science Reviews</i> , 2013 , 62, 49-55	3.9	48
58	Cooling and changing seasonality in the Southern Alps, New Zealand during the Antarctic Cold Reversal. <i>Quaternary Science Reviews</i> , 2008 , 27, 589-601	3.9	48
57	Surficial geology and geomorphology of eastern and central Wright Valley, Antarctica. <i>Geomorphology</i> , 2005 , 64, 25-65	4.3	48
56	Miocene-Pliocene-Pleistocene Glacial History of Arena Valley, Quartermain Mountains, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993 , 75, 269-302	1.1	45
55	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993 , 75, 303-330	1.1	44
54	Little Ice Age wetting of interior Asian deserts and the rise of the Mongol Empire. <i>Quaternary Science Reviews</i> , 2016 , 131, 33-50	3.9	43
53	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	1.1	41
52	Mismatch of glacier extent and summer insolation in Southern Hemisphere mid-latitudes. <i>Geology</i> , 2015 , 43, 407-410	5	40
51	Quaternary changes in level of the upper Taylor Glacier, Antarctica: implications for paleoclimate and East Antarctic Ice Sheet dynamics. <i>Boreas</i> , 2008 , 23, 29-43	2.4	40
50	High-precision 10 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	5.3	39
49	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	1.1	39
48	The Case for a Stable East Antarctic Ice Sheet: The Background		38
47	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, 21355-9	11.5	37
46	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	3.9	37

45	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	3.9	36
44	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	1.1	36
43	Neoglaciation. <i>Scientific American</i> , 1970 , 222, 100-110	0.5	35
42	Limited Pliocene Glacier Extent and Surface Uplift in Middle Taylor Valley, Antarctica		33
41	Does an asymmetric thermohaline ice-sheet oscillator drive 100 000-yr glacial cycles?. <i>Journal of Quaternary Science</i> , 2000 , 15, 301-318	2.3	32
40	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	1.1	31
39	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	1.1	31
38	Accumulation and marine forcing of ice dynamics in the western Ross Sea during the last deglaciation. <i>Nature Geoscience</i> , 2015 , 8, 625-628	18.3	30
37	The Case for a Stable East Antarctic Ice Sheet: The Background. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993 , 75, 151-154	1.1	30
36	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	1.1	30
35	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	3.9	29
34	Subglacial Meltwater Channel Systems and Ice Sheet Overriding, Asgard Range, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1991 , 73, 109-121	1.1	29
33	Late Tertiary Antarctic Paleoclimate and Ice-Sheet Dynamics Inferred from Surficial Deposits in Wright Valley		28
32	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	3.9	27
31	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	1.1	27
30	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	3.9	26
29	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	1.1	23
28	Oxygen isotope ratios of antarctic permafrost and glacier ice. <i>Antarctic Research Series</i> , 1981 , 131-139		23

27	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	1.1	22
26	Limited Pliocene Glacier Extent and Surface Uplift in Middle Taylor Valley, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1993 , 75, 331-351	1.1	22
25	Permafrost oxygen isotope ratios and chronology of three cores from Antarctica. <i>Nature</i> , 1976 , 261, 547-550	50.4	22
24	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	2	19
23	Geochronology of bonney drift, taylor valley, antarctica: evidence for interglacial expansions of taylor glacier. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000 , 82, 391-409	1.1	19
22	Chapter 22: Glacial history of the Ellsworth Mountains, West Antarctica. <i>Memoir of the Geological Society of America</i> , 1992 , 403-432		19
21	The Zealandia Switch: Ice age climate shifts viewed from Southern Hemisphere moraines. <i>Quaternary Science Reviews</i> , 2021 , 257, 106771	3.9	19
20	Millennial-scale pulsebeat of glaciation in the Southern Alps of New Zealand. <i>Quaternary Science Reviews</i> , 2019 , 220, 165-177	3.9	17
19	Lake-ice conveyor deposits: Geomorphology, sedimentology, and importance in reconstructing the glacial history of the Dry Valleys. <i>Geomorphology</i> , 2006 , 75, 143-156	4.3	17
18	Holocene history of the Wilson Piedmont Glacier along the southern Scott Coast, Antarctica. <i>Holocene</i> , 2002 , 12, 619-627	2.6	17
17	Reconciling the onset of deglaciation in the upper Rangitata valley, Southern Alps, New Zealand. <i>Quaternary Science Reviews</i> , 2019 , 203, 141-150	3.9	17
16	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	1.7	16
15	Late Cenozoic paleoenvironment in southern Victoria Land, Antarctica, based on a polar glaciolacustrine deposit in western Victoria Valley. <i>Bulletin of the Geological Society of America</i> , 2002 , 114, 605-618	3.9	14
14	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	1.1	14
13	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. <i>Quaternary Science Reviews</i> , 2017 , 170, 14-25	3.9	13
12	Climate Inferences from a Glaciological Reconstruction of the Late Pleistocene Wind River Ice Cap, Wind River Range, Wyoming. <i>Arctic, Antarctic, and Alpine Research</i> , 2012 , 44, 265-276	1.8	13
11	Rhizocarpon calibration curve for the Aoraki/Mount Cook area of New Zealand. <i>Journal of Quaternary Science</i> , 2005 , 20, 313-325	2.3	13
10	Age of a Widespread Layer of Volcanic Ash in the Southwestern Yukon Territory. <i>Arctic</i> , 1964 , 17, 2.1	2.1	7

9	An exercise in glacier length modeling: Interannual climatic variability alone cannot explain Holocene glacier fluctuations in New Zealand. <i>Earth and Planetary Science Letters</i> , 2017 , 470, 48-53	5.3	6
8	Minimal Pliocene-Pleistocene uplift of the dry valleys sector of the Transantarctic Mountains: A key parameter in ice-sheet reconstructions: Comment and Reply. <i>Geology</i> , 1994 , 22, 668	5	6
7	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	5.3	6
6	Glacial geology of cape bird, ross island, antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000 , 82, 237-247	1.1	5
5	Glacial Geology of Cape Bird, Ross Island, Antarctica. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2000 , 82A, 237-247	1.1	5
4	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.). <i>Quaternary Science Reviews</i> , 2019 , 219, 316-318	3.9	2
3	Ice-sheet expansion from the Ross Sea into McMurdo Sound, Antarctica, during the last two glaciations. <i>Quaternary Science Reviews</i> , 2022 , 278, 107379	3.9	0
2	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). <i>Quaternary Science Reviews</i> , 2013 , 77, 246-247	3.9	
1	Reply to Comments by Vern Rampton. <i>Quaternary Research</i> , 1978 , 10, 134-134	1.9	