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 g-index
121 all docs	121 docs citations	121 times ranked	5805 citing authors

#	Article	IF	Citations
1	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
2	A¹⁰Be Moraine Chronology of the Last Glaciation and Termination at 49Â°N in the Mongolian Altai of Central Asia. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	7
3	The Zealandia Switch: Ice age climate shifts viewed from Southern Hemisphere moraines. Quaternary Science Reviews, 2021, 257, 106771.	3.0	59
4	Millennial-scale pulsebeat of glaciation in the Southern Alps of New Zealand. Quaternary Science Reviews, 2019, 220, 165-177.	3.0	30
5	Reply to comment received from J. Shulmeister etÂal. regarding â€œReconciling the onset of deglaciation in the upper Rangitata valley, Southern Alps, New Zealandâ€•(Quaternary Science Reviews 203 (2019),) Tj ETQq1 1 0.784314 rgBT /Ov		
6	Reconciling the onset of deglaciation in the upper Rangitata valley, Southern Alps, New Zealand. Quaternary Science Reviews, 2019, 203, 141-150.	3.0	21
7	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
8	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
9	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
10	Little Ice Age wetting of interior Asian deserts and the rise of the Mongol Empire. Quaternary Science Reviews, 2016, 131, 33-50.	3.0	54
11	The Southern Glacial Maximum 65,000 years ago and its Unfinished Termination. Quaternary Science Reviews, 2015, 114, 52-60.	3.0	86
12	Radiocarbon chronology of the last glacial maximum and its termination in northwestern Patagonia. Quaternary Science Reviews, 2015, 122, 233-249.	3.0	90
13	Accumulation and marine forcing of ice dynamics in the western Ross Sea during the lastÂdeglaciation. Nature Geoscience, 2015, 8, 625-628.	12.9	39
14	Mismatch of glacier extent and summer insolation in Southern Hemisphere mid-latitudes. Geology, 2015, 43, 407-410.	4.4	56
15	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.	4.4	51
16	Holocene glacier history of the Lago Argentino basin, Southern Patagonian Icefield. Quaternary Science Reviews, 2014, 101, 124-145.	3.0	70
17	Glaciology and geological signature of the Last Glacial Maximum Antarctic ice sheet. Quaternary Science Reviews, 2013, 78, 225-247.	3.0	99
18	Extensive recession of Cordillera Darwin glaciers in southernmost South America during Heinrich Stadial 1. Quaternary Science Reviews, 2013, 62, 49-55.	3.0	58

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19	The anatomy of Last Glacial Maximum climate variations in south Westland, New Zealand, derived from pollen records. Quaternary Science Reviews, 2013, 74, 215-229.	3.0	32
20	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.	3.0	50
21	The Last Glacial Maximum at 44Â°S documented by a 10Be moraine chronology at Lake Ohau, Southern Alps of New Zealand. Quaternary Science Reviews, 2013, 62, 114-141.	3.0	143
22	Reply to Miller etÂal. (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 etÂal. (2013). Quaternary Science Reviews, 2013, 77, 246-247.	3.0	0
23	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.	4.4	87
24	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.	3.0	151
25	Late Holocene expansion of Istorvet ice cap, Liverpool Land, east Greenland. Quaternary Science Reviews, 2013, 63, 128-140.	3.0	66
26	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
27	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
28	Last Glacial Maximum climate in New Zealand inferred from a modelled Southern Alps icefield. Quaternary Science Reviews, 2012, 46, 30-45.	3.0	91
29	Regional climate control of glaciers in NewÂZealand and Europe during the pre-industrial Holocene. Nature Geoscience, 2012, 5, 627-630.	12.9	99
30	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.	4.4	162
31	East Antarctic retreat. Nature Geoscience, 2011, 4, 135-136.	12.9	5
32	Glacier retreat in New Zealand during the Younger Dryas stadial. Nature, 2010, 467, 194-197.	27.8	155
33	Glacier advance in southern middle-latitudes during the Antarctic Cold Reversal. Nature Geoscience, 2010, 3, 700-704.	12.9	179
34	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, 21355-21359.	7.1	42
35	Putting the Younger Dryas cold event into context. Quaternary Science Reviews, 2010, 29, 1078-1081.	3.0	218
36	Ice Age Terminations. Science, 2009, 326, 248-252.	12.6	794

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37	High-Frequency Holocene Glacier Fluctuations in New Zealand Differ from the Northern Signature. Science, 2009, 324, 622-625.	12.6	324
38	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
39	Cooling and changing seasonality in the Southern Alps, New Zealand during the Antarctic Cold Reversal. Quaternary Science Reviews, 2008, 27, 589-601.	3.0	52
40	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.	3.0	112
41	Wobbly ocean conveyor circulation during the Holocene?. Quaternary Science Reviews, 2008, 27, 1939-1950.	3.0	89
42	An inference model for mean summer air temperatures in the Southern Alps, New Zealand, using subfossil chironomids. Quaternary Science Reviews, 2007, 26, 2487-2504.	3.0	41
43	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
44	Near-Synchronous Interhemispheric Termination of the Last Glacial Maximum in Mid-Latitudes. Science, 2006, 312, 1510-1513.	12.6	268
45	The mystery interval 17.5 to 14.5 kyrs ago. PAGES News, 2006, 14, 14-16.	0.3	118
46	Meltwater features that suggest miocene iceâ€sheet overriding of the transantarctic mountains in victoria land, antarctica. Geografiska Annaler, Series A: Physical Geography, 2005, 87, 67-85.	1.5	80
47	Rhizocarpon calibration curve for the Aoraki/Mount Cook area of New Zealand. Journal of Quaternary Science, 2005, 20, 313-325.	2.1	13
48	Surficial geology and geomorphology of eastern and central Wright Valley, Antarctica. Geomorphology, 2005, 64, 25-65.	2.6	54
49	The role of seasonality in abrupt climate change. Quaternary Science Reviews, 2005, 24, 1159-1182.	3.0	463
50	Holocene relative sea-level history of the Southern Victoria Land Coast, Antarctica. Global and Planetary Change, 2004, 42, 241-263.	3.5	78
51	Holocene history of the Wilson Piedmont Glacier along the southern Scott Coast, Antarctica. Holocene, 2002, 12, 619-627.	1.7	20
52	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
53	Reconstructing the Antarctic Ice Sheet at the Last Glacial Maximum. Quaternary Science Reviews, 2002, 21, 193-202.	3.0	185
54	Glacial Lake Victoria, a high-level Antarctic Lake inferred from lacustrine deposits in Victoria Valley. Journal of Quaternary Science, 2002, 17, 697-706.	2.1	61

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55	Interhemispheric climate links revealed by a late-glacial cooling episode in southern Chile. Nature, 2001, 409, 804-808.	27.8	143
56	Does an asymmetric thermohaline-ice-sheet oscillator drive 100 000-yr glacial cycles?. Journal of Quaternary Science, 2000, 15, 301-318.	2.1	37
57	Reconstruction of the ross ice drainage system, antarctica, at the last glacial maximum. Geografiska Annaler, Series A: Physical Geography, 2000, 82, 143-166.	1.5	32
58	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.	1.5	50
59	Glacial geology of cape bird, ross island, antarctica. Geografiska Annaler, Series A: Physical Geography, 2000, 82, 237-247.	1.5	10
60	Evidence from taylor valley for a grounded ice sheet in the ross sea, antarctica. Geografiska Annaler, Series A: Physical Geography, 2000, 82, 275-303.	1.5	47
61	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.	1.5	70
62	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
63	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
64	The oldest ice on Earth in Beacon Valley, Antarctica: new evidence from surface exposure dating. Earth and Planetary Science Letters, 2000, 179, 91-99.	4.4	80
65	Reconstruction of the Ross Ice Drainage System, Antarctica, at the Last Glacial Maximum. Geografiska Annaler, Series A: Physical Geography, 2000, 82A, 143-166.	1.5	46
66	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.	1.5	41
67	Glacial Geology of Cape Bird, Ross Island, Antarctica. Geografiska Annaler, Series A: Physical Geography, 2000, 82A, 237-247.	1.5	5
68	Evidence from Taylor Valley for a Grounded Ice Sheet in the Ross Sea, Antarctica. Geografiska Annaler, Series A: Physical Geography, 2000, 82A, 275-303.	1.5	66
69	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.	1.5	64
70	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.	1.5	30
71	Geochronology of Bonney Drift, Taylor Valley, Antarctica: Evidence for Interglacial Expansions of Taylor Glacier. Geografiska Annaler, Series A: Physical Geography, 2000, 82A, 391-409.	1.5	33
72	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.	2.1	64

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73	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.	1.3	99
74	Landscape development in the Royal Society Range, southern Victoria Land, Antarctica: stability since the mid-Miocene. Geomorphology, 1999, 28, 181-200.	2.6	63
75	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.	4.4	158
76	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.	1.5	34
77	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.	1.5	112
78	Miocene and Pliocene paleoclimate of the Dry Valleys region, Southern Victoria land: a geomorphological approach. Marine Micropaleontology, 1996, 27, 253-271.	1.2	105
79	Full-glacial â€" late-glacial palaeoclimate of the Southern Andes: evidence from pollen, beetle and glacial records. Journal of Quaternary Science, 1996, 11, 173-184.	2.1	64
80	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.	3.3	125
81	Preservation of Miocene glacier ice in East Antarctica. Nature, 1995, 376, 412-414.	27.8	225
82	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
83	Quaternary changes in level of the upper Taylor Glacier, Antarctica: implications for paleoclimate and East Antarctic Ice Sheet dynamics. Boreas, 1994, 23, 29-43.	2.4	50
84	Chronology of Taylor Glacier Advances in Arena Valley, Antarctica, Using in Situ Cosmogenic 3He and 10Be. Quaternary Research, 1993, 39, 11-23.	1.7	126
85	East Antarctic Ice Sheet Sensitivity to Pliocene Climatic Change from a Dry Valleys Perspective. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 155-204.	1.5	101
86	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.	1.5	34
87	Miocene-Pliocene-Pleistocene Glacial History of Arena Valley, Quartermain Mountains, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 269-302.	1.5	51
88	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
89	Minimal Pliocene-Pleistocene uplift of the dry valleys sector of the Transantarctic Mountains: A key parameter in ice-sheet reconstructions. Geology, 1993, 21, 841.	4.4	60
90	The Case for a Stable East Antarctic Ice Sheet: The Background. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 151-154.	1.5	40

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91	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 303-330.	1.5	57
92	The Case for a Stable East Antarctic Ice Sheet: The Background. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 151.	1.5	40
93	East Antarctic Ice Sheet Sensitivity to Pliocene Climatic Change from a Dry Valleys Perspective. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 155.	1.5	96
94	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
95	Miocene-Pliocene-Pleistocene Glacial History of Arena Valley, Quartermain Mountains, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 269.	1.5	59
96	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 303.	1.5	53
97	Limited Pliocene Glacier Extent and Surface Uplift in Middle Taylor Valley, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 331.	1.5	33
98	Chapter 22: Glacial history of the Ellsworth Mountains, West Antarctica. Memoir of the Geological Society of America, 1992, , 403-432.	0.5	27
99	Subglacial Meltwater Channel Systems and Ice Sheet Overriding, Asgard Range, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1991, 73, 109-121.	1.5	36
100	The role of ocean-atmosphere reorganizations in glacial cycles. Quaternary Science Reviews, 1990, 9, 305-341.	3.0	196
101	Late Wisconsin and Early Holocene Glacial History, Inner Ross Embayment, Antarctica. Quaternary Research, 1989, 31, 151-182.	1.7	210
102	Late Quaternary Ice-Surface Fluctuations of Beardmore Glacier, Transantarctic Mountains. Quaternary Research, 1989, 31, 183-209.	1.7	65
103	Late Quaternary Ice-Surface Fluctuations of Hatherton Glacier, Transantarctic Mountains. Quaternary Research, 1989, 31, 229-254.	1.7	82
104	The role of ocean-atmosphere reorganizations in glacial cycles. Geochimica Et Cosmochimica Acta, 1989, 53, 2465-2501.	3.9	851
105	Global Ice-Sheet System Interlocked by Sea Level. Quaternary Research, 1986, 26, 3-26.	1.7	96
106	Late Tertiary history of the Antarctic ice sheet: Evidence from the Dry Valleys. Geology, 1984, 12, 263.	4.4	118
107	Milankovitch Theory of Ice Ages: Hypothesis of Ice-Sheet Linkage Between Regional Insolation and Global Climate. Quaternary Research, 1983, 20, 125-144.	1.7	97
108	Oxygen isotope ratios of antarctic permafrost and glacier ice. Antarctic Research Series, 1981, , 131-139.	0.2	29

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109	Reply to Comments by Vern Rampton. Quaternary Research, 1978, 10, 134-134.	1.7	0
110	Holocene Glacial and Tree-Line Variations in the White River Valley and Skolai Pass, Alaska and Yukon Territory. Quaternary Research, 1977, 7, 63-111.	1.7	135
111	Permafrost oxygen isotope ratios and chronology of three cores from Antarctica. Nature, 1976, 261, 547-550.	27.8	26
112	Holocene glacial variations in Sarek National Park, northern Sweden. Boreas, 1976, 5, 25-56.	2.4	83
113	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.	3.3	36
114	Holocene Climatic Variationsâ€"Their Pattern and Possible Cause. Quaternary Research, 1973, 3, 155-205.	1.7	804
115	Lichenometry: Its Application to Holocene Moraine Studies in Southern Alaska and Swedish Lapland. Arctic and Alpine Research, 1973, 5, 347.	1.3	113
116	Neoglaciation. Scientific American, 1970, 222, 100-110.	1.0	42
117	Late Pleistocene Glacial Stratigraphy and Chronology, Northeastern St Elias Mountains, Yukon Territory, Canada. Bulletin of the Geological Society of America, 1967, 78, 485.	3.3	37
118	Age of a Widespread Layer of Volcanic Ash in the Southwestern Yukon Territory. Arctic, 1964, 17, .	0.4	11