Tim Naish

List of Publications by Year
in descending order

85 papers	5,445 citations	71102 41 h-index	82547 72 g-index
87 all docs	87 docs citations	87 times ranked	5107 citing authors

#	Article	IF	Citations
1	Past Antarctic ice sheet dynamics (PAIS) and implications for future sea-level change. , 2022, , 689-768.		6
2	Pleistocene Antarctic climate variability: ice sheet, ocean and climate interactions. , 2022, , 523-621.		5
3	Antarctic Ice Sheet dynamics during the Late Oligocene and Early Miocene: climatic conundrums revisited. , 2022, , 363-387.		1
4	Cenozoic history of Antarctic glaciation and climate from onshore and offshore studies. , 2022, , 41-164.		3
5	Antarctic environmental change and ice sheet evolution through the Miocene to Pliocene â€“ a perspective from the Ross Sea and George V to Wilkes Land Coasts. , 2022, , 389-521.		5
6	Retreat of the Antarctic Ice Sheet During the Last Interglaciation and Implications for Future Change. Geophysical Research Letters, 2021, 48, e2021GL094513.	4.0	10
7	Cryostratigraphy of mid-Miocene permafrost at Friis Hills, McMurdo Dry Valleys of Antarctica. Antarctic Science, 2021, 33, 174-188.	0.9	5
8	The amplitude and origin of sea-level variability during the Pliocene epoch. Nature, 2019, 574, 237-241.	27.8	60
9	High-resolution magnetostratigraphy of mid-Pliocene (3.3â€“3.0 Ma) shallow-marine sediments, Whanganui Basin, New Zealand. Geophysical Journal International, 2019, 217, 41-57.	2.4	5
10	Revised chronostratigraphy of DSDP Site 270 and late Oligocene to early Miocene paleoecology of the Ross Sea sector of Antarctica. Global and Planetary Change, 2019, 178, 46-64.	3.5	25
11	Lipid biomarker distributions in Oligocene and Miocene sediments from the Ross Sea region, Antarctica: Implications for use of biomarker proxies in glacially-influenced settings. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 516, 71-89.	2.3	18
12	Antarctic ice-sheet sensitivity to obliquity forcing enhanced through ocean connections. Nature Geoscience, 2019, 12, 132-137.	12.9	74
13	Mid- to late Pliocene (3.3â€“2.6â€¯Ma) global sea-level fluctuations recorded on a continental shelf transect, Whanganui Basin, New Zealand. Quaternary Science Reviews, 2018, 201, 241-260.	3.0	15
14	The Ross Sea Dipole â€“ temperature, snow accumulation and sea ice variability in the Ross Sea region, Antarctica, over the past 2700Âyears. Climate of the Past, 2018, 14, 193-214.	3.4	44
15	A Southwest Pacific Perspective on Longâ€Term Global Trends in Plioceneâ€Pleistocene Stable Isotope Records. Paleoceanography and Paleoclimatology, 2018, 33, 825-839.	2.9	8
16	Minimal East Antarctic Ice Sheet retreat onto land during the past eight million years. Nature, 2018, 558, 284-287.	27.8	27
17	Choosing the future of Antarctica. Nature, 2018, 558, 233-241.	27.8	172
18	East Antarctic ice sheet most vulnerable to Weddell Sea warming. Geophysical Research Letters, 2017, 44, 2343-2351.	4.0	67

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19	Antarctic climate and ice-sheet configuration during the early Pliocene interglacial at 4.23â€¯Ma. Climate of the Past, 2017, 13, 959-975.	3.4	40
20	Southern Ocean phytoplankton turnover in response to stepwise Antarctic cooling over the past 15 million years. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6868-6873.	7.1	54
21	Antarctic Cenozoic climate history from sedimentary records: ANDRILL and beyond. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20140301.	3.4	36
22	Antarctic marine ice-sheet retreat in the Ross Sea during the early Holocene. Geology, 2016, 44, 7-10.	4.4	58
23	Antarctic Ice Sheet variability across the Eocene-Oligocene boundary climate transition. Science, 2016, 352, 76-80.	12.6	116
24	Antarctic ice sheet sensitivity to atmospheric CO ₂ variations in the early to mid-Miocene. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3453-3458.	7.1	133
25	A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. Antarctic Science, 2015, 27, 3-18.	0.9	158
26	The multi-millennial Antarctic commitment to future sea-level rise. Nature, 2015, 526, 421-425.	27.8	322
27	Orbital forcing of the East Antarctic ice sheet during the Pliocene and Early Pleistocene. Nature Geoscience, 2014, 7, 841-847.	12.9	121
28	Bacterial abundance and composition in marine sediments beneath the <scp>R</scp>oss <scp>I</scp>ce <scp>S</scp>helf, <scp>A</scp>ntarctica. Geobiology, 2013, 11, 377-395.	2.4	36
29	High tide of the warm Pliocene: Implications of global sea level for Antarctic deglaciation. Geology, 2012, 40, 407-410.	4.4	230
30	Pleistocene variability of Antarctic Ice Sheet extent in the Ross Embayment. Quaternary Science Reviews, 2012, 34, 93-112.	3.0	69
31	Cyclochronology of the Eoceneâ€“Oligocene transition from the Cape Roberts Project-3 core, Victoria Land basin, Antarctica. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 335-336, 84-94.	2.3	12
32	â€˜Late Neogene chronostratigraphy and depositional environments on the Antarctic Margin: New results from the ANDRILL McMurdo Ice Shelf Projectâ€™. Global and Planetary Change, 2012, 96-97, 1-8.	3.5	1
33	Neogene tectonic and climatic evolution of the Western Ross Sea, Antarctica â€” Chronology of events from the AND-1B drill hole. Global and Planetary Change, 2012, 96-97, 189-203.	3.5	27
34	Looking back to the future. Nature Climate Change, 2012, 2, 317-318.	18.8	16
35	Antarctic and Southern Ocean influences on Late Pliocene global cooling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6423-6428.	7.1	158
36	The stratigraphic signature of the late Cenozoic Antarctic Ice Sheets in the Ross Embayment. Bulletin of the Geological Society of America, 2009, 121, 1537-1561.	3.3	125

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37	Obliquity-paced Pliocene West Antarctic ice sheet oscillations. Nature, 2009, 458, 322-328.	27.8	564
38	Antarctic Drilling Recovers Stratigraphic Records From the Continental Margin. Eos, 2009, 90, 90-91.	0.1	23
39	Constraints on the amplitude of Mid-Pliocene (3.6â€“2.4â€ŠMa) eustatic sea-level fluctuations from the New Zealand shallow-marine sediment record. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 169-187.	3.4	117
40	Retreat history of the Ross Ice Sheet (Shelf) since the Last Glacial Maximum from deep-basin sediment cores around Ross Island. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 260, 245-261.	2.3	80
41	Seismic facies and stratigraphy of the Cenozoic succession in McMurdo Sound, Antarctica: Implications for tectonic, climatic and glacial history. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 260, 8-29.	2.3	86
42	Constraining the amplitude of late Oligocene bathymetric changes in Western Ross Sea during orbitally-induced oscillations in the East Antarctic Ice Sheet: (1) Implications for glacimarine sequence stratigraphic models. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 260, 50-65.	2.3	34
43	Constraining the amplitude of Late Oligocene bathymetric changes in western Ross Sea during orbitally-induced oscillations in the East Antarctic Ice Sheet: (2) Implications for global sea-level changes. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 260, 66-76.	2.3	32
44	Glacialâ€“interglacial ocean climate variability from planktonic foraminifera during the Mid-Pleistocene transition in the temperate Southwest Pacific, ODP Site 1123. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 260, 202-229.	2.3	96
45	Cenozoic basin evolution beneath the southern McMurdo Ice Shelf, Antarctica. Global and Planetary Change, 2008, 62, 61-76.	3.5	14
46	Chapter 11 Late Plioceneâ€“Pleistocene Antarctic Climate Variability at Orbital and Suborbital Scale: Ice Sheet, Ocean and Atmospheric Interactions. Developments in Earth and Environmental Sciences, 2008, , 465-529.	0.1	4
47	Chapter 9 The Oligoceneâ€“Miocene Boundary â€“ Antarctic Climate Response to Orbital Forcing. Developments in Earth and Environmental Sciences, 2008, 8, 369-400.	0.1	10
48	Recent advances in understanding Antarctic climate evolution. Antarctic Science, 2008, 20, 313-325.	0.9	28
49	A record of Antarctic climate and ice sheet history recovered. Eos, 2007, 88, 557-558.	0.1	22
50	The effects of joint ENSOâ€“Antarctic Oscillation forcing on the McMurdo Dry Valleys, Antarctica. Antarctic Science, 2006, 18, 507-514.	0.9	27
51	Silicic tephras in Pleistocene shallowâ€marine sediments of Wanganui Basin, New Zealand. Journal of the Royal Society of New Zealand, 2005, 35, 43-90.	1.9	69
52	Sequence stratigraphy of the Nukumaruan Stratotype (Plioceneâ€Pleistocene, c. 2.08â€“1.63 Ma), Wanganui Basin, New Zealand. Journal of the Royal Society of New Zealand, 2005, 35, 123-150.	1.9	33
53	Integrated outcrop, drill core, borehole and seismic stratigraphic architecture of a cyclothemic, shallowâ€marine depositional system, Wanganui Basin, New Zealand. Journal of the Royal Society of New Zealand, 2005, 35, 91-122.	1.9	41
54	An integrated sequence stratigraphic, palaeoenvironmental, and chronostratigraphic analysis of the Tangahoe Formation, southern Taranaki coast, with implications for midâ€Pliocene (c. 3.4â€“3.0 Ma) glacioâ€eustatic seaâ€level changes. Journal of the Royal Society of New Zealand, 2005, 35, 151-196.	1.9	32

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55	Solar forcing recorded by aerosol concentrations in coastal. Annals of Glaciology, 2005, 41, 52-56.	1.4	9
56	ENSO variability in the deuterium-excess record of a coastal Antarctic ice core from the McMurdo Dry Valleys, Victoria Land. Annals of Glaciology, 2005, 41, 140-146.	1.4	10
57	Seismic stratigraphy of the Plio-Pleistocene Ross Island flexural moat-fill: a prognosis for ANDRILL Program drilling beneath McMurdo-Ross Ice Shelf. Global and Planetary Change, 2005, 45, 83-97.	3.5	47
58	Onshoreâ€“offshore correlation of Pleistocene rhyolitic eruptions from New Zealand: implications for TVZ eruptive history and paleoenvironmental construction. Quaternary Science Reviews, 2005, 24, 1601-1622.	3.0	65
59	Marine Mollusca of oxygen isotope stages of the last 2 million years in New Zealand. Part 1: Revised generic positions and recognition of warmâ€water and coolâ€water migrants. Journal of the Royal Society of New Zealand, 2004, 34, 111-265.	1.9	61
60	Orbitally-influenced vegetation record of the Mid-Pleistocene Climate Transition, offshore eastern New Zealand (ODP Leg 181, Site 1123). Marine Geology, 2004, 205, 87-111.	2.1	29
61	Defining the Quaternary. Quaternary Science Reviews, 2004, 23, 2271-2282.	3.0	95
62	Facies development and sequence architecture of a late Quaternary fluvial-marine transition, Canterbury Plains and shelf, New Zealand: implications for forced regressive deposits. Sedimentary Geology, 2003, 158, 57-86.	2.1	123
63	The middle Pleistocene Merced-2 and -3 sequences from Ocean Beach, San Francisco. Sedimentary Geology, 2002, 153, 23-41.	2.1	14
64	Orbitally induced oscillations in the East Antarctic ice sheet at the Oligocene/Miocene boundary. Nature, 2001, 413, 719-723.	27.8	222
65	Plio-Pleistocene cyclothems from Wanganui Basin, New Zealand: type locality for an astrochronologic time-scale, or template for recognizing ancient glacio-eustacy?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 1861-1872.	3.4	9
66	Sedimentary cyclicity in the marine Pliocene-Pleistocene of the Wanganui basin (New Zealand): Sequence stratigraphic motifs characteristic of the past 2.5 m.y.. Bulletin of the Geological Society of America, 1999, 111, 524-537.	3.3	75
67	Forward modelling of the sequence stratigraphic architecture of shelf cyclothems: application to Late Pliocene sequences, Wanganui Basin (New Zealand). Sedimentary Geology, 1998, 116, 57-80.	2.1	24
68	A review of the Milankovitch climatic beat: template for Plioâ€“Pleistocene sea-level changes and sequence stratigraphy. Sedimentary Geology, 1998, 122, 5-21.	2.1	125
69	The relationship between shellbed type and sequence architecture: examples from Japan and New Zealand. Sedimentary Geology, 1998, 122, 109-127.	2.1	93
70	Sequence concepts at seismic and outcrop scale: the distinction between physical and conceptual stratigraphic surfaces. Sedimentary Geology, 1998, 122, 165-179.	2.1	67
71	A review of Wanganui Basin, New Zealand: global reference section for shallow marine, Plioâ€“Pleistocene (2.5â€“0 Ma) cyclostratigraphy. Sedimentary Geology, 1998, 122, 37-52.	2.1	49
72	Modern and ancient Zygochlamys delicatula shellbeds in New Zealand, and their sequence stratigraphic implications. Sedimentary Geology, 1998, 122, 267-284.	2.1	13

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73	Astronomical calibration of a southern hemisphere Plio-Pleistocene reference section, Wanganui Basin, New Zealand. Quaternary Science Reviews, 1998, 17, 695-710.	3.0	123
74	Lowstand rivers need not incise the shelf: An example from the Great Barrier Reef, Australia, with implications for sequence stratigraphic models. Geology, 1998, 26, 75.	4.4	73
75	Have local stages outlived their usefulness for the New Zealand Plioceneâ€Pleistocene?. New Zealand Journal of Geology, and Geophysics, 1998, 41, 271-279.	1.8	35
76	Constraints on the amplitude of late Pliocene eustatic sea-level fluctuations: New evidence from the New Zealand shallow-marine sediment record. Geology, 1997, 25, 1139.	4.4	49
77	Sequence stratigraphy of sixth-order (41 k.y.) Plioceneâ€“Pleistocene cyclothems, Wanganui basin, New Zealand: A case for the regressive systems tract. Bulletin of the Geological Society of America, 1997, 109, 978-999.	3.3	177
78	Recurring global sea-level changes recorded in shelf deposits near the G/M polarity transition, Wanganui Basin, New Zealand: Implications for redefining the Pliocene-Pleistocene boundary. Quaternary International, 1997, 40, 61-71.	1.5	21
79	Foraminiferal depth palaeoecology of Late Pliocene shelf sequences and systems tracts, Wanganui Basin, New Zealand. Sedimentary Geology, 1997, 110, 237-255.	2.1	59
80	Integrated tephrochronology and magnetostratigraphy for cyclothemic marine strata, Wanganui Basin: Implications for the Pliocene-Pleistocene boundary in New Zealand. Quaternary International, 1996, 34-36, 29-48.	1.5	46
81	Middle Pliocene cyclothems, Mangaweka region, Wanganui Basin, New Zealand: A lithostratigraphic framework. New Zealand Journal of Geology, and Geophysics, 1996, 39, 135-149.	1.8	29
82	Plioceneâ€Pleistocene marine cyclothems, Wanganui Basin, New Zealand: A lithostratigraphic framework. New Zealand Journal of Geology, and Geophysics, 1995, 38, 223-243.	1.8	54
83	Evolution of Holocene sedimentary bentonite in a shallow-marine embayment, Firth of Thames, New Zealand. Marine Geology, 1993, 109, 267-278.	2.1	23
84	A two-stage model for the formation of smectite from detrital volcanic glass under shallow-marine conditions. Marine Geology, 1993, 109, 279-285.	2.1	29
85	Developing community-based scientific priorities and new drilling proposals in the southern Indian and southwestern Pacific oceans. Scientific Drilling, 0, 24, 61-70.	0.6	2