

Tim Naish

List of Publications by Year in descending order

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85
papers

5,445
citations

71102

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82547

72
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87
docs citations

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times ranked

5107
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Obliquity-paced Pliocene West Antarctic ice sheet oscillations. <i>Nature</i> , 2009, 458, 322-328. | 27.8 | 564 |
| 2 | The multi-millennial Antarctic commitment to future sea-level rise. <i>Nature</i> , 2015, 526, 421-425. | 27.8 | 322 |
| 3 | High tide of the warm Pliocene: Implications of global sea level for Antarctic deglaciation. <i>Geology</i> , 2012, 40, 407-410. | 4.4 | 230 |
| 4 | Orbitally induced oscillations in the East Antarctic ice sheet at the Oligocene/Miocene boundary. <i>Nature</i> , 2001, 413, 719-723. | 27.8 | 222 |
| 5 | Sequence stratigraphy of sixth-order (41 k.y.) Pliocene–Pleistocene cyclothem, Wanganui basin, New Zealand: A case for the regressive systems tract. <i>Bulletin of the Geological Society of America</i> , 1997, 109, 978-999. | 3.3 | 177 |
| 6 | Choosing the future of Antarctica. <i>Nature</i> , 2018, 558, 233-241. | 27.8 | 172 |
| 7 | Antarctic and Southern Ocean influences on Late Pliocene global cooling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6423-6428. | 7.1 | 158 |
| 8 | A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. <i>Antarctic Science</i> , 2015, 27, 3-18. | 0.9 | 158 |
| 9 | Antarctic ice sheet sensitivity to atmospheric CO ₂ variations in the early to mid-Miocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3453-3458. | 7.1 | 133 |
| 10 | A review of the Milankovitch climatic beat: template for Pliocene–Pleistocene sea-level changes and sequence stratigraphy. <i>Sedimentary Geology</i> , 1998, 122, 5-21. | 2.1 | 125 |
| 11 | The stratigraphic signature of the late Cenozoic Antarctic Ice Sheets in the Ross Embayment. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 1537-1561. | 3.3 | 125 |
| 12 | Astronomical calibration of a southern hemisphere Plio-Pleistocene reference section, Wanganui Basin, New Zealand. <i>Quaternary Science Reviews</i> , 1998, 17, 695-710. | 3.0 | 123 |
| 13 | Facies development and sequence architecture of a late Quaternary fluvial-marine transition, Canterbury Plains and shelf, New Zealand: implications for forced regressive deposits. <i>Sedimentary Geology</i> , 2003, 158, 57-86. | 2.1 | 123 |
| 14 | Orbital forcing of the East Antarctic ice sheet during the Pliocene and Early Pleistocene. <i>Nature Geoscience</i> , 2014, 7, 841-847. | 12.9 | 121 |
| 15 | Constraints on the amplitude of Mid-Pliocene (3.6–2.4 Ma) eustatic sea-level fluctuations from the New Zealand shallow-marine sediment record. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 169-187. | 3.4 | 117 |
| 16 | Antarctic Ice Sheet variability across the Eocene-Oligocene boundary climate transition. <i>Science</i> , 2016, 352, 76-80. | 12.6 | 116 |
| 17 | Glacial–interglacial ocean climate variability from planktonic foraminifera during the Mid-Pleistocene transition in the temperate Southwest Pacific, ODP Site 1123. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 260, 202-229. | 2.3 | 96 |
| 18 | Defining the Quaternary. <i>Quaternary Science Reviews</i> , 2004, 23, 2271-2282. | 3.0 | 95 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The relationship between shellbed type and sequence architecture: examples from Japan and New Zealand. <i>Sedimentary Geology</i> , 1998, 122, 109-127. | 2.1 | 93 |
| 20 | Seismic facies and stratigraphy of the Cenozoic succession in McMurdo Sound, Antarctica: Implications for tectonic, climatic and glacial history. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 260, 8-29. | 2.3 | 86 |
| 21 | Retreat history of the Ross Ice Sheet (Shelf) since the Last Glacial Maximum from deep-basin sediment cores around Ross Island. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 260, 245-261. | 2.3 | 80 |
| 22 | Sedimentary cyclicity in the marine Pliocene-Pleistocene of the Wanganui basin (New Zealand): Sequence stratigraphic motifs characteristic of the past 2.5 m.y.. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 524-537. | 3.3 | 75 |
| 23 | Antarctic ice-sheet sensitivity to obliquity forcing enhanced through ocean connections. <i>Nature Geoscience</i> , 2019, 12, 132-137. | 12.9 | 74 |
| 24 | Lowstand rivers need not incise the shelf: An example from the Great Barrier Reef, Australia, with implications for sequence stratigraphic models. <i>Geology</i> , 1998, 26, 75. | 4.4 | 73 |
| 25 | Silicic tephras in Pleistocene shallow-marine sediments of Wanganui Basin, New Zealand. <i>Journal of the Royal Society of New Zealand</i> , 2005, 35, 43-90. | 1.9 | 69 |
| 26 | Pleistocene variability of Antarctic Ice Sheet extent in the Ross Embayment. <i>Quaternary Science Reviews</i> , 2012, 34, 93-112. | 3.0 | 69 |
| 27 | Sequence concepts at seismic and outcrop scale: the distinction between physical and conceptual stratigraphic surfaces. <i>Sedimentary Geology</i> , 1998, 122, 165-179. | 2.1 | 67 |
| 28 | East Antarctic ice sheet most vulnerable to Weddell Sea warming. <i>Geophysical Research Letters</i> , 2017, 44, 2343-2351. | 4.0 | 67 |
| 29 | Onshore-offshore correlation of Pleistocene rhyolitic eruptions from New Zealand: implications for TVZ eruptive history and paleoenvironmental reconstruction. <i>Quaternary Science Reviews</i> , 2005, 24, 1601-1622. | 3.0 | 65 |
| 30 | Marine Mollusca of oxygen isotope stages of the last 2 million years in New Zealand. Part 1: Revised generic positions and recognition of warm-water and cool-water migrants. <i>Journal of the Royal Society of New Zealand</i> , 2004, 34, 111-265. | 1.9 | 61 |
| 31 | The amplitude and origin of sea-level variability during the Pliocene epoch. <i>Nature</i> , 2019, 574, 237-241. | 27.8 | 60 |
| 32 | Foraminiferal depth palaeoecology of Late Pliocene shelf sequences and systems tracts, Wanganui Basin, New Zealand. <i>Sedimentary Geology</i> , 1997, 110, 237-255. | 2.1 | 59 |
| 33 | Antarctic marine ice-sheet retreat in the Ross Sea during the early Holocene. <i>Geology</i> , 2016, 44, 7-10. | 4.4 | 58 |
| 34 | Pliocene-Pleistocene marine cyclothem, Wanganui Basin, New Zealand: A lithostratigraphic framework. <i>New Zealand Journal of Geology, and Geophysics</i> , 1995, 38, 223-243. | 1.8 | 54 |
| 35 | Southern Ocean phytoplankton turnover in response to stepwise Antarctic cooling over the past 15 million years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6868-6873. | 7.1 | 54 |
| 36 | Constraints on the amplitude of late Pliocene eustatic sea-level fluctuations: New evidence from the New Zealand shallow-marine sediment record. <i>Geology</i> , 1997, 25, 1139. | 4.4 | 49 |

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|----|---|-----|-----------|
| 37 | A review of Wanganui Basin, New Zealand: global reference section for shallow marine, Pliocene–Pleistocene (2.5–0 Ma) cyclostratigraphy. <i>Sedimentary Geology</i> , 1998, 122, 37-52. | 2.1 | 49 |
| 38 | Seismic stratigraphy of the Plio-Pleistocene Ross Island flexural moat-fill: a prognosis for ANDRILL Program drilling beneath McMurdo-Ross Ice Shelf. <i>Global and Planetary Change</i> , 2005, 45, 83-97. | 3.5 | 47 |
| 39 | Integrated tephrochronology and magnetostratigraphy for cyclothem marine strata, Wanganui Basin: Implications for the Pliocene-Pleistocene boundary in New Zealand. <i>Quaternary International</i> , 1996, 34-36, 29-48. | 1.5 | 46 |
| 40 | The Ross Sea Dipole – temperature, snow accumulation and sea ice variability in the Ross Sea region, Antarctica, over the past 2700 years. <i>Climate of the Past</i> , 2018, 14, 193-214. | 3.4 | 44 |
| 41 | Integrated outcrop, drill core, borehole and seismic stratigraphic architecture of a cyclothem, shallow marine depositional system, Wanganui Basin, New Zealand. <i>Journal of the Royal Society of New Zealand</i> , 2005, 35, 91-122. | 1.9 | 41 |
| 42 | Antarctic climate and ice-sheet configuration during the early Pliocene interglacial at 4.23 Ma. <i>Climate of the Past</i> , 2017, 13, 959-975. | 3.4 | 40 |
| 43 | Bacterial abundance and composition in marine sediments beneath the Ross Sea shelf, Antarctica. <i>Geobiology</i> , 2013, 11, 377-395. | 2.4 | 36 |
| 44 | Antarctic Cenozoic climate history from sedimentary records: ANDRILL and beyond. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20140301. | 3.4 | 36 |
| 45 | Have local stages outlived their usefulness for the New Zealand Pliocene–Pleistocene?. <i>New Zealand Journal of Geology, and Geophysics</i> , 1998, 41, 271-279. | 1.8 | 35 |
| 46 | 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 glacial marine sequence stratigraphic models. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 260, 50-65. | 2.3 | 34 |
| 47 | Sequence stratigraphy of the Nukumaruan Stratotype (Pliocene–Pleistocene, c. 2.08–1.63 Ma), Wanganui Basin, New Zealand. <i>Journal of the Royal Society of New Zealand</i> , 2005, 35, 123-150. | 1.9 | 33 |
| 48 | An integrated sequence stratigraphic, palaeoenvironmental, and chronostratigraphic analysis of the Tangahoe Formation, southern Taranaki coast, with implications for mid-Pliocene (c. 3.4–3.0 Ma) glacio-eustatic sea-level changes. <i>Journal of the Royal Society of New Zealand</i> , 2005, 35, 151-196. | 1.9 | 32 |
| 49 | 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. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 260, 66-76. | 2.3 | 32 |
| 50 | A two-stage model for the formation of smectite from detrital volcanic glass under shallow-marine conditions. <i>Marine Geology</i> , 1993, 109, 279-285. | 2.1 | 29 |
| 51 | Middle Pliocene cyclothem, Mangaweka region, Wanganui Basin, New Zealand: A lithostratigraphic framework. <i>New Zealand Journal of Geology, and Geophysics</i> , 1996, 39, 135-149. | 1.8 | 29 |
| 52 | Orbitally-influenced vegetation record of the Mid-Pleistocene Climate Transition, offshore eastern New Zealand (ODP Leg 181, Site 1123). <i>Marine Geology</i> , 2004, 205, 87-111. | 2.1 | 29 |
| 53 | Recent advances in understanding Antarctic climate evolution. <i>Antarctic Science</i> , 2008, 20, 313-325. | 0.9 | 28 |
| 54 | The effects of joint ENSO–Antarctic Oscillation forcing on the McMurdo Dry Valleys, Antarctica. <i>Antarctic Science</i> , 2006, 18, 507-514. | 0.9 | 27 |

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| 55 | Neogene tectonic and climatic evolution of the Western Ross Sea, Antarctica – Chronology of events from the AND-1B drill hole. <i>Global and Planetary Change</i> , 2012, 96-97, 189-203. | 3.5 | 27 |
| 56 | Minimal East Antarctic Ice Sheet retreat onto land during the past eight million years. <i>Nature</i> , 2018, 558, 284-287. | 27.8 | 27 |
| 57 | Revised chronostratigraphy of DSDP Site 270 and late Oligocene to early Miocene paleoecology of the Ross Sea sector of Antarctica. <i>Global and Planetary Change</i> , 2019, 178, 46-64. | 3.5 | 25 |
| 58 | Forward modelling of the sequence stratigraphic architecture of shelf cyclothems: application to Late Pliocene sequences, Wanganui Basin (New Zealand). <i>Sedimentary Geology</i> , 1998, 116, 57-80. | 2.1 | 24 |
| 59 | Evolution of Holocene sedimentary bentonite in a shallow-marine embayment, Firth of Thames, New Zealand. <i>Marine Geology</i> , 1993, 109, 267-278. | 2.1 | 23 |
| 60 | Antarctic Drilling Recovers Stratigraphic Records From the Continental Margin. <i>Eos</i> , 2009, 90, 90-91. | 0.1 | 23 |
| 61 | A record of Antarctic climate and ice sheet history recovered. <i>Eos</i> , 2007, 88, 557-558. | 0.1 | 22 |
| 62 | 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. <i>Quaternary International</i> , 1997, 40, 61-71. | 1.5 | 21 |
| 63 | Lipid biomarker distributions in Oligocene and Miocene sediments from the Ross Sea region, Antarctica: Implications for use of biomarker proxies in glacially-influenced settings. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 516, 71-89. | 2.3 | 18 |
| 64 | Looking back to the future. <i>Nature Climate Change</i> , 2012, 2, 317-318. | 18.8 | 16 |
| 65 | Mid- to late Pliocene (3.3–2.6 Ma) global sea-level fluctuations recorded on a continental shelf transect, Whanganui Basin, New Zealand. <i>Quaternary Science Reviews</i> , 2018, 201, 241-260. | 3.0 | 15 |
| 66 | The middle Pleistocene Merced-2 and -3 sequences from Ocean Beach, San Francisco. <i>Sedimentary Geology</i> , 2002, 153, 23-41. | 2.1 | 14 |
| 67 | Cenozoic basin evolution beneath the southern McMurdo Ice Shelf, Antarctica. <i>Global and Planetary Change</i> , 2008, 62, 61-76. | 3.5 | 14 |
| 68 | Modern and ancient <i>Zygochlamys delicatula</i> shellbeds in New Zealand, and their sequence stratigraphic implications. <i>Sedimentary Geology</i> , 1998, 122, 267-284. | 2.1 | 13 |
| 69 | Cyclochronology of the Eocene–Oligocene transition from the Cape Roberts Project-3 core, Victoria Land basin, Antarctica. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 335-336, 84-94. | 2.3 | 12 |
| 70 | ENSO variability in the deuterium-excess record of a coastal Antarctic ice core from the McMurdo Dry Valleys, Victoria Land. <i>Annals of Glaciology</i> , 2005, 41, 140-146. | 1.4 | 10 |
| 71 | Chapter 9 The Oligocene–Miocene Boundary – Antarctic Climate Response to Orbital Forcing. <i>Developments in Earth and Environmental Sciences</i> , 2008, 8, 369-400. | 0.1 | 10 |
| 72 | Retreat of the Antarctic Ice Sheet During the Last Interglaciation and Implications for Future Change. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094513. | 4.0 | 10 |

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|----|---|-----|-----------|
| 73 | Plio-Pleistocene cyclothems from Wanganui Basin, New Zealand: type locality for an astrochronologic time-scale, or template for recognizing ancient glacio-eustasy?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 1861-1872. | 3.4 | 9 |
| 74 | Solar forcing recorded by aerosol concentrations in coastal. Annals of Glaciology, 2005, 41, 52-56. | 1.4 | 9 |
| 75 | A Southwest Pacific Perspective on Long-Term Global Trends in Pliocene-Pleistocene Stable Isotope Records. Paleoceanography and Paleoclimatology, 2018, 33, 825-839. | 2.9 | 8 |
| 76 | Past Antarctic ice sheet dynamics (PAIS) and implications for future sea-level change. , 2022, , 689-768. | | 6 |
| 77 | High-resolution magnetostratigraphy of mid-Pliocene (3.3-3.0 Ma) shallow-marine sediments, Whanganui Basin, New Zealand. Geophysical Journal International, 2019, 217, 41-57. | 2.4 | 5 |
| 78 | Cryostratigraphy of mid-Miocene permafrost at Friis Hills, McMurdo Dry Valleys of Antarctica. Antarctic Science, 2021, 33, 174-188. | 0.9 | 5 |
| 79 | Pleistocene Antarctic climate variability: ice sheet, ocean and climate interactions. , 2022, , 523-621. | | 5 |
| 80 | Antarctic environmental change and ice sheet evolution through the Miocene to Pliocene - a perspective from the Ross Sea and George V to Wilkes Land Coasts. , 2022, , 389-521. | | 5 |
| 81 | Chapter 11 Late Pliocene-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 |
| 82 | Cenozoic history of Antarctic glaciation and climate from onshore and offshore studies. , 2022, , 41-164. | | 3 |
| 83 | 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 |
| 84 | -Late Neogene chronostratigraphy and depositional environments on the Antarctic Margin: New results from the ANDRILL McMurdo Ice Shelf Project-™. Global and Planetary Change, 2012, 96-97, 1-8. | 3.5 | 1 |
| 85 | Antarctic Ice Sheet dynamics during the Late Oligocene and Early Miocene: climatic conundrums revisited. , 2022, , 363-387. | | 1 |