

Nerilie Abram

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

5,142
citations

117571

34
h-index

128225

60
g-index

80
all docs

80
docs citations

80
times ranked

6883
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible interconversion of carbon dioxide and formate by an electroactive enzyme. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10654-10658.	3.3	472
2	Connections of climate change and variability to large and extreme forest fires in southeast Australia. Communications Earth & Environment, 2021, 2, .	2.6	341
3	Evolution of the Southern Annular Mode during the past millennium. Nature Climate Change, 2014, 4, 564-569.	8.1	277
4	Recent Antarctic Peninsula warming relative to Holocene climate and ice-shelf history. Nature, 2012, 489, 141-144.	13.7	265
5	Assessing recent trends in high-latitude Southern Hemisphere surface climate. Nature Climate Change, 2016, 6, 917-926.	8.1	253
6	Recent intensification of tropical climate variability in the Indian Ocean. Nature Geoscience, 2008, 1, 849-853.	5.4	246
7	Early onset of industrial-era warming across the oceans and continents. Nature, 2016, 536, 411-418.	13.7	242
8	Tropical sea surface temperatures for the past four centuries reconstructed from coral archives. Paleoceanography, 2015, 30, 226-252.	3.0	209
9	Antarctic climate change and the environment. Antarctic Science, 2009, 21, 541-563.	0.5	195
10	Coral Reef Death During the 1997 Indian Ocean Dipole Linked to Indonesian Wildfires. Science, 2003, 301, 952-955.	6.0	194
11	Higher frequency of Central Pacific El Niño events in recent decades relative to past centuries. Nature Geoscience, 2019, 12, 450-455.	5.4	192
12	Seasonal characteristics of the Indian Ocean Dipole during the Holocene epoch. Nature, 2007, 445, 299-302.	13.7	175
13	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. Nature Geoscience, 2018, 11, 474-485.	5.4	166
14	Acceleration of snow melt in an Antarctic Peninsula ice core during the twentieth century. Nature Geoscience, 2013, 6, 404-411.	5.4	154
15	Antarctic climate variability on regional and continental scales over the last 2000 years. Climate of the Past, 2017, 13, 1609-1634.	1.3	145
16	Oscillations in the southern extent of the Indo-Pacific Warm Pool during the mid-Holocene. Quaternary Science Reviews, 2009, 28, 2794-2803.	1.4	120
17	Coupling of Indo-Pacific climate variability over the last millennium. Nature, 2020, 579, 385-392.	13.7	116
18	A review of sea ice proxy information from polar ice cores. Quaternary Science Reviews, 2013, 79, 168-183.	1.4	110

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19	A review of past and projected changes in Australia's rainfall. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2019, 10, e577.	3.6	99
20	Ice core evidence for a 20th century decline of sea ice in the Bellingshausen Sea, Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	80
21	Greenland records of aerosol source and atmospheric lifetime changes from the Eemian to the Holocene. <i>Nature Communications</i> , 2018, 9, 1476.	5.8	74
22	19th century glacier retreat in the Alps preceded the emergence of industrial black carbon deposition on high-alpine glaciers. <i>Cryosphere</i> , 2018, 12, 3311-3331.	1.5	64
23	Palaeoclimate perspectives on the Indian Ocean Dipole. <i>Quaternary Science Reviews</i> , 2020, 237, 106302.	1.4	60
24	Ice core records as sea ice proxies: An evaluation from the Weddell Sea region of Antarctica. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	59
25	Teleconnection stationarity, variability and trends of the Southern Annular Mode (SAM) during the last millennium. <i>Climate Dynamics</i> , 2018, 51, 2321-2339.	1.7	58
26	Reconstructed streamflow for Citarum River, Java, Indonesia: linkages to tropical climate dynamics. <i>Climate Dynamics</i> , 2011, 36, 451-462.	1.7	56
27	Potential and limitations of marine and ice core sea ice proxies: an example from the Indian Ocean sector. <i>Quaternary Science Reviews</i> , 2010, 29, 296-302.	1.4	49
28	The Iso2k database: a global compilation of paleo- $\delta^{18}O$ and δ^2H records to aid understanding of Common Era climate. <i>Earth System Science Data</i> , 2020, 12, 2261-2288.	3.7	46
29	Variability of sea-ice in the northern Weddell Sea during the 20th century. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4549-4572.	1.0	45
30	Environmental signals in a highly resolved ice core from James Ross Island, Antarctica. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	44
31	Tropical Indo-Pacific hydroclimate response to North Atlantic forcing during the last deglaciation as recorded by a speleothem from Sumatra, Indonesia. <i>Earth and Planetary Science Letters</i> , 2018, 492, 264-278.	1.8	44
32	Ice core reconstruction of sea ice change in the Amundsen-Ross Seas since 1702 A.D.. <i>Geophysical Research Letters</i> , 2016, 43, 5309-5317.	1.5	41
33	Spatio-temporal evolution of Australasian monsoon hydroclimate over the last 40,000 years. <i>Earth and Planetary Science Letters</i> , 2019, 513, 103-112.	1.8	38
34	Images of diagenetic textures in <i>Porites</i> corals from Papua New Guinea and Indonesia. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	34
35	Coral radiocarbon records of Indian Ocean water mass mixing and wind-induced upwelling along the coast of Sumatra, Indonesia. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	33
36	Intensified decadal variability in tropical climate during the late 19th century. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	31

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37	Automated ice-core layer-counting with strong univariate signals. <i>Climate of the Past</i> , 2012, 8, 1869-1879.	1.3	28
38	Back to the Future: Using Long-Term Observational and Paleo-Proxy Reconstructions to Improve Model Projections of Antarctic Climate. <i>Geosciences (Switzerland)</i> , 2019, 9, 255.	1.0	27
39	El Niño–Southern Oscillation variability, teleconnection changes and responses to large volcanic eruptions since AD 1000. <i>International Journal of Climatology</i> , 2019, 39, 2711-2724.	1.5	24
40	Ubiquitous karst hydrological control on speleothem oxygen isotope variability in a global study. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	24
41	Assessing the robustness of Antarctic temperature reconstructions over the past 2 millennia using pseudoproxy and data assimilation experiments. <i>Climate of the Past</i> , 2019, 15, 661-684.	1.3	21
42	Optimized coral reconstructions of the Indian Ocean Dipole: An assessment of location and length considerations. <i>Paleoceanography</i> , 2015, 30, 1391-1405.	3.0	20
43	Optimal site selection for a high-resolution ice core record in East Antarctica. <i>Climate of the Past</i> , 2016, 12, 595-610.	1.3	20
44	Hemispheric black carbon increase after the 13th-century Māori arrival in New Zealand. <i>Nature</i> , 2021, 598, 82-85.	13.7	20
45	Reconstructions of the southern annular mode (SAM) during the last millennium. <i>Progress in Physical Geography</i> , 2017, 41, 834-849.	1.4	17
46	Investigating observed northwest Australian rainfall trends in Coupled Model Intercomparison Project phase 5 detection and attribution experiments. <i>International Journal of Climatology</i> , 2019, 39, 112-127.	1.5	17
47	The preservation of methanesulphonic acid in frozen ice-core samples. <i>Journal of Glaciology</i> , 2008, 54, 680-684.	1.1	14
48	Heat and freshwater changes in the Indian Ocean region. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 525-541.	12.2	14
49	Introduction to the special issue “Climate of the past 2000 years: regional and trans-regional syntheses”. <i>Climate of the Past</i> , 2019, 15, 611-615.	1.3	10
50	High-resolution aerosol concentration data from the Greenland NorthGRIP and NEEM deep ice cores. <i>Earth System Science Data</i> , 2022, 14, 1215-1231.	3.7	8
51	Response to Comment on "Coral Reef Death During the 1997 Indian Ocean Dipole Linked to Indonesian Wildfires". <i>Science</i> , 2004, 303, 1297b-1297.	6.0	6
52	El Niño–Southern Oscillation signal in a new East Antarctic ice core, Mount Brown South. <i>Climate of the Past</i> , 2021, 17, 1795-1818.	1.3	6
53	Century-scale perspectives on observed and simulated Southern Ocean sea ice trends from proxy reconstructions. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7804-7818.	1.0	4
54	Is XRF core scanning a viable method for coral palaeoclimate temperature reconstructions?. <i>Quaternary International</i> , 2019, 514, 97-107.	0.7	4

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55	Influence of long-term changes in solar irradiance forcing on the Southern Annular Mode. <i>Climate of the Past</i> , 2022, 18, 1509-1528.	1.3	4
56	Climate's playground. <i>Nature Geoscience</i> , 2017, 10, 7-8.	5.4	0
57	Past warming events in the Arctic linked to shifting winds in the Antarctic. <i>Nature</i> , 2018, 563, 630-631.	13.7	0