N A N Bertler

List of Publications by Year
in descending order

50 papers	2,222 citations	236925 25 h-index	233421 45 g-index
71 all docs	71 docs citations	71 times ranked	2936 citing authors

#	Article	IF	Citations
1	Towards a climate event stratigraphy for New Zealand over the past 30â€‰000 years (NZ-INTIMATE project). Journal of Quaternary Science, 2007, 22, 9-35.	2.1	275
2	State of the Antarctic and Southern Ocean climate system. Reviews of Geophysics, 2009, 47, .	23.0	190
3	The Southern Ocean ecosystem under multiple climate change stresses â€•an integrated circumpolar assessment. Global Change Biology, 2015, 21, 1434-1453.	9.5	190
4	Antarctic climate variability on regional and continental scales over the last 2000Âyears. Climate of the Past, 2017, 13, 1609-1634.	3.4	145
5	Regional Antarctic snow accumulation over the past 1000 years. Climate of the Past, 2017, 13, 1491-1513.	3.4	124
6	Snow chemistry across Antarctica. Annals of Glaciology, 2005, 41, 167-179.	1.4	90
7	Trajectory modeling of modern dust transport to the Southern Ocean and Antarctica. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9303-9322.	3.3	88
8	El NiÃ±o suppresses Antarctic warming. Geophysical Research Letters, 2004, 31, .	4.0	79
9	Cross-disciplinarity in the advance of Antarctic ecosystem research. Marine Genomics, 2018, 37, 1-17.	1.1	70
10	The aeolian flux of calcium, chloride and nitrate to the McMurdo Dry Valleys landscape: evidence from snow pit analysis. Antarctic Science, 2006, 18, 497-505.	0.9	63
11	Little Ice Age climate and oceanic conditions of the Ross Sea, Antarctica from a coastal ice core record. Climate of the Past, 2012, 8, 1223-1238.	3.4	55
12	A 2700-year annual timescale and accumulation history for an ice core from Roosevelt Island, West Antarctica. Climate of the Past, 2019, 15, 751-779.	3.4	55
13	The International Trans-Antarctic Scientific Expedition (ITASE): an overview. Annals of Glaciology, 2005, 41, 180-185.	1.4	47
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	Sea ice variability and primary productivity in the Ross Sea, Antarctica, from methylsulphonate snow record. Geophysical Research Letters, 2009, 36, .	4.0	43
16	Synoptic controls on precipitation pathways and snow delivery to highâ€accumulation ice core sites in the Ross Sea region, Antarctica. Journal of Geophysical Research, 2010, 115, .	3.3	39
17	Synoptic variability in the Ross Sea region, Antarctica, as seen from backâ€trajectory modeling and ice core analysis. Journal of Geophysical Research, 2012, 117, .	3.3	39
18	A reconstruction of extratropical Indo-Pacific sea-level pressure patterns during the Medieval Climate Anomaly. Climate Dynamics, 2014, 43, 1197-1219.	3.8	36

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19	The contribution of aeolian sand and dust to iron fertilization of phytoplankton blooms in southwestern Ross Sea, Antarctica. Global Biogeochemical Cycles, 2014, 28, 423-436.	4.9	35
20	Twentieth century seaâ€ice trends in the Ross Sea from a highâ€resolution, coastal iceâ€core record. Geophysical Research Letters, 2014, 41, 3510-3516.	4.0	35
21	Multiple sources of soluble atmospheric iron to Antarctic waters. Global Biogeochemical Cycles, 2016, 30, 421-437.	4.9	33
22	Monsoonal circulation of the McMurdo Dry Valleys, Ross Sea region, Antarctica: signal from the snow chemistry. Annals of Glaciology, 2004, 39, 139-145.	1.4	28
23	West Antarctica's sensitivity to natural and humanâ€forced climate change over the Holocene. Journal of Quaternary Science, 2013, 28, 40-48.	2.1	27
24	Deglacial grounding-line retreat in the Ross Embayment, Antarctica, controlled by ocean and atmosphere forcing. Science Advances, 2019, 5, eaav8754.	10.3	27
25	Back to the Future: Using Long-Term Observational and Paleo-Proxy Reconstructions to Improve Model Projections of Antarctic Climate. Geosciences (Switzerland), 2019, 9, 255.	2.2	27
26	Seasonality of Airmass Pathways to Coastal Antarctica: Ramifications for Interpreting High-Resolution Ice Core Records. Journal of Climate, 2013, 26, 2065-2076.	3.2	26
27	High-resolution continuous-flow analysis setup for water isotopic measurement from ice cores using laser spectroscopy. Atmospheric Measurement Techniques, 2015, 8, 2869-2883.	3.1	25
28	Transport and deposition of heavy metals in the Ross Sea Region, Antarctica. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,996.	3.3	24
29	Potential for Southern Hemisphere climate surprises. Journal of Quaternary Science, 2015, 30, 391-395.	2.1	22
30	Vanishing Polar Ice Sheets. , 2010, , 49-83.		22
31	Experimental investigation of the effects of mineral dust on the reproducibility and accuracy of ice core trace element analyses. Chemical Geology, 2011, 286, 207-207.	3.3	21
32	Geologic controls on ice sheet sensitivity to deglacial climate forcing in the Ross Embayment, Antarctica. Quaternary Science Advances, 2020, 1, 100002.	1.9	19
33	Opposing oceanic and atmospheric ENSO influences on the Ross Sea Region, Antarctica. Advances in Geosciences, 0, 6, 83-86.	12.0	19
34	Mid-Holocene Antarctic sea-ice increase driven by marine ice sheet retreat. Climate of the Past, 2021, 17, 1-19.	3.4	18
35	Isotopic and Elemental Changes in Winter Snow Accumulation on Glaciers in the Southern Alps of New Zealand. Journal of Climate, 2010, 23, 4737-4749.	3.2	16
36	Twentieth-Century Surface Temperature Trends in the Western Ross Sea, Antarctica: Evidence from a High-Resolution Ice Core. Journal of Climate, 2012, 25, 3629-3636.	3.2	14

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37	Deglacial evolution of regional Antarctic climate and Southern Ocean conditions in transient climate simulations. Climate of the Past, 2019, 15, 189-215.	3.4	14
38	An 83â€‰000-year-old ice core from Roosevelt Island, Ross Sea, Antarctica. Climate of the Past, 2020, 16, 1691-1713.	3.4	14
39	The role of Amundsenâ€“Bellingshausen Sea anticyclonic circulation in forcing marine air intrusions into West Antarctica. Climate Dynamics, 2018, 51, 3579-3596.	3.8	12
40	Extreme snow metamorphism in the Allan Hills, Antarctica, as an analogue for glacial conditions with implications for stable isotope composition. Journal of Glaciology, 2015, 61, 1171-1182.	2.2	10
41	Solar forcing recorded by aerosol concentrations in coastal. Annals of Glaciology, 2005, 41, 52-56.	1.4	9
42	A novel approach to process brittle ice for continuous flow analysis of stable water isotopes. Journal of Glaciology, 2018, 64, 289-299.	2.2	8
43	A Multidisciplinary Perspective on Climate Model Evaluation For Antarctica. Bulletin of the American Meteorological Society, 2016, 97, ES23-ES26.	3.3	7
44	Sensitivity of Holocene East Antarctic productivity to subdecadal variability set by sea ice. Nature Geoscience, 0, , .	12.9	5
45	Calculating uncertainty for the RICE ice core continuous flow analysis water isotope record. Atmospheric Measurement Techniques, 2018, 11, 4725-4736.	3.1	4
46	Temperatureâ€Driven Bubble Migration as Proxy for Internal Bubble Pressures and Bubble Trapping Function in Ice Cores. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10264-10282.	3.3	3
47	Ice core stratigraphy using dual energy x-ray absorptiometry (DEXA). Journal of Physics: Conference Series, 2006, 41, 315-322.	0.4	1
48	Ice Core. Encyclopedia of Earth Sciences Series, 2011, , 584-589.	0.1	1
49	Role of mineral dust in the nitrate preservation during the glacial period: Insights from the RICE ice core. Global and Planetary Change, 2022, 209, 103745.	3.5	1
50	Reply to comment by Doran et al. on â€œEl NiÃ±o suppresses Antarctic warmingâ€• Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	0