

N A N Bertler

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,222
citations

236925

25
h-index

233421

45
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all docs

71
docs citations

71
times ranked

2936
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of mineral dust in the nitrate preservation during the glacial period: Insights from the RICE ice core. <i>Global and Planetary Change</i> , 2022, 209, 103745.	3.5	1
2	Mid-Holocene Antarctic sea-ice increase driven by marine ice sheet retreat. <i>Climate of the Past</i> , 2021, 17, 1-19.	3.4	18
3	Geologic controls on ice sheet sensitivity to deglacial climate forcing in the Ross Embayment, Antarctica. <i>Quaternary Science Advances</i> , 2020, 1, 100002.	1.9	19
4	An 83‰000-year-old ice core from Roosevelt Island, Ross Sea, Antarctica. <i>Climate of the Past</i> , 2020, 16, 1691-1713.	3.4	14
5	Temperature-Driven Bubble Migration as Proxy for Internal Bubble Pressures and Bubble Trapping Function in Ice Cores. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10264-10282.	3.3	3
6	Deglacial grounding-line retreat in the Ross Embayment, Antarctica, controlled by ocean and atmosphere forcing. <i>Science Advances</i> , 2019, 5, eaav8754.	10.3	27
7	A 2700-year annual timescale and accumulation history for an ice core from Roosevelt Island, West Antarctica. <i>Climate of the Past</i> , 2019, 15, 751-779.	3.4	55
8	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.	2.2	27
9	Deglacial evolution of regional Antarctic climate and Southern Ocean conditions in transient climate simulations. <i>Climate of the Past</i> , 2019, 15, 189-215.	3.4	14
10	The role of Amundsen-Bellinghousen Sea anticyclonic circulation in forcing marine air intrusions into West Antarctica. <i>Climate Dynamics</i> , 2018, 51, 3579-3596.	3.8	12
11	A novel approach to process brittle ice for continuous flow analysis of stable water isotopes. <i>Journal of Glaciology</i> , 2018, 64, 289-299.	2.2	8
12	Cross-disciplinarity in the advance of Antarctic ecosystem research. <i>Marine Genomics</i> , 2018, 37, 1-17.	1.1	70
13	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
14	Calculating uncertainty for the RICE ice core continuous flow analysis water isotope record. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4725-4736.	3.1	4
15	Antarctic climate variability on regional and continental scales over the last 2000 years. <i>Climate of the Past</i> , 2017, 13, 1609-1634.	3.4	145
16	Regional Antarctic snow accumulation over the past 1000 years. <i>Climate of the Past</i> , 2017, 13, 1491-1513.	3.4	124
17	A Multidisciplinary Perspective on Climate Model Evaluation For Antarctica. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, ES23-ES26.	3.3	7
18	Multiple sources of soluble atmospheric iron to Antarctic waters. <i>Global Biogeochemical Cycles</i> , 2016, 30, 421-437.	4.9	33

#	ARTICLE	IF	CITATIONS
19	Potential for Southern Hemisphere climate surprises. <i>Journal of Quaternary Science</i> , 2015, 30, 391-395.	2.1	22
20	Trajectory modeling of modern dust transport to the Southern Ocean and Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9303-9322.	3.3	88
21	Transport and deposition of heavy metals in the Ross Sea Region, Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 10,996.	3.3	24
22	High-resolution continuous-flow analysis setup for water isotopic measurement from ice cores using laser spectroscopy. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2869-2883.	3.1	25
23	Extreme snow metamorphism in the Allan Hills, Antarctica, as an analogue for glacial conditions with implications for stable isotope composition. <i>Journal of Glaciology</i> , 2015, 61, 1171-1182.	2.2	10
24	The Southern Ocean ecosystem under multiple climate change stresses – an integrated circumpolar assessment. <i>Global Change Biology</i> , 2015, 21, 1434-1453.	9.5	190
25	The contribution of aeolian sand and dust to iron fertilization of phytoplankton blooms in southwestern Ross Sea, Antarctica. <i>Global Biogeochemical Cycles</i> , 2014, 28, 423-436.	4.9	35
26	A reconstruction of extratropical Indo-Pacific sea-level pressure patterns during the Medieval Climate Anomaly. <i>Climate Dynamics</i> , 2014, 43, 1197-1219.	3.8	36
27	Twentieth century sea-ice trends in the Ross Sea from a high-resolution, coastal ice-core record. <i>Geophysical Research Letters</i> , 2014, 41, 3510-3516.	4.0	35
28	West Antarctica's sensitivity to natural and human-forced climate change over the Holocene. <i>Journal of Quaternary Science</i> , 2013, 28, 40-48.	2.1	27
29	Seasonality of Airmass Pathways to Coastal Antarctica: Ramifications for Interpreting High-Resolution Ice Core Records. <i>Journal of Climate</i> , 2013, 26, 2065-2076.	3.2	26
30	Twentieth-Century Surface Temperature Trends in the Western Ross Sea, Antarctica: Evidence from a High-Resolution Ice Core. <i>Journal of Climate</i> , 2012, 25, 3629-3636.	3.2	14
31	Synoptic variability in the Ross Sea region, Antarctica, as seen from back-trajectory modeling and ice core analysis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
32	Little Ice Age climate and oceanic conditions of the Ross Sea, Antarctica from a coastal ice core record. <i>Climate of the Past</i> , 2012, 8, 1223-1238.	3.4	55
33	Experimental investigation of the effects of mineral dust on the reproducibility and accuracy of ice core trace element analyses. <i>Chemical Geology</i> , 2011, 286, 207-207.	3.3	21
34	Ice Core. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 584-589.	0.1	1
35	Isotopic and Elemental Changes in Winter Snow Accumulation on Glaciers in the Southern Alps of New Zealand. <i>Journal of Climate</i> , 2010, 23, 4737-4749.	3.2	16
36	Synoptic controls on precipitation pathways and snow delivery to high-accumulation ice core sites in the Ross Sea region, Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	39

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37	Vanishing Polar Ice Sheets. , 2010, , 49-83.		22
38	State of the Antarctic and Southern Ocean climate system. Reviews of Geophysics, 2009, 47, .	23.0	190
39	Sea ice variability and primary productivity in the Ross Sea, Antarctica, from methylsulphonate snow record. Geophysical Research Letters, 2009, 36, .	4.0	43
40	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
41	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
42	Ice core stratigraphy using dual energy x-ray absorptiometry (DEXA). Journal of Physics: Conference Series, 2006, 41, 315-322.	0.4	1
43	The International Trans-Antarctic Scientific Expedition (ITASE): an overview. Annals of Glaciology, 2005, 41, 180-185.	1.4	47
44	Snow chemistry across Antarctica. Annals of Glaciology, 2005, 41, 167-179.	1.4	90
45	Solar forcing recorded by aerosol concentrations in coastal. Annals of Glaciology, 2005, 41, 52-56.	1.4	9
46	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
47	El NiÃ±o suppresses Antarctic warming. Geophysical Research Letters, 2004, 31, .	4.0	79
48	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
49	Sensitivity of Holocene East Antarctic productivity to subdecadal variability set by sea ice. Nature Geoscience, 0, , .	12.9	5
50	Opposing oceanic and atmospheric ENSO influences on the Ross Sea Region, Antarctica. Advances in Geosciences, 0, 6, 83-86.	12.0	19