

# Eric J Steig

## List of Publications by Year in descending order

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176  
papers

18,484  
citations

14614

66  
h-index

14702

127  
g-index

216  
all docs

216  
docs citations

216  
times ranked

14357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Holocene climate variability. <i>Quaternary Research</i> , 2004, 62, 243-255.	1.0	1,994
2	Continental-scale temperature variability during the past two millennia. <i>Nature Geoscience</i> , 2013, 6, 339-346.	5.4	954
3	Holocene thermal maximum in the western Arctic (0°–180°W). <i>Quaternary Science Reviews</i> , 2004, 23, 529-560.	1.4	720
4	Warming of the Antarctic ice-sheet surface since the 1957 International Geophysical Year. <i>Nature</i> , 2009, 457, 459-462.	13.7	620
5	Centennial-scale changes in the global carbon cycle during the last deglaciation. <i>Nature</i> , 2014, 514, 616-619.	13.7	380
6	ESTIMATING RATES OF DENUDATION USING COSMOGENIC ISOTOPE ABUNDANCES IN SEDIMENT. , 1996, 21, 125-139.		349
7	A Review of Antarctic Surface Snow Isotopic Composition: Observations, Atmospheric Circulation, and Isotopic Modeling*. <i>Journal of Climate</i> , 2008, 21, 3359-3387.	1.2	344
8	Strong Sensitivity of Pine Island Ice-Shelf Melting to Climatic Variability. <i>Science</i> , 2014, 343, 174-178.	6.0	333
9	Evidence for substantial accumulation rate variability in Antarctica during the Holocene, through synchronization of CO <sub>2</sub> in the Taylor Dome, Dome C and DML ice cores. <i>Earth and Planetary Science Letters</i> , 2004, 224, 45-54.	1.8	331
10	Winter warming in West Antarctica caused by central tropical Pacific warming. <i>Nature Geoscience</i> , 2011, 4, 398-403.	5.4	328
11	Dynamics of Recent Climate Change in the Arctic. <i>Science</i> , 2002, 297, 1497-1502.	6.0	327
12	Tropical forcing of the recent rapid Arctic warming in northeastern Canada and Greenland. <i>Nature</i> , 2014, 509, 209-212.	13.7	317
13	Precise inter-polar phasing of abrupt climate change during the last ice age. <i>Nature</i> , 2015, 520, 661-665.	13.7	310
14	Synchronous Climate Changes in Antarctica and the North Atlantic. , 1998, 282, 92-95.		292
15	Holocene Climate Variability in Antarctica Based on 11 Ice-Core Isotopic Records. <i>Quaternary Research</i> , 2000, 54, 348-358.	1.0	291
16	A method for the analysis of ultra-trace levels of semi-volatile and non-volatile organic compounds in snow and application to a Greenland snow pit. <i>Polar Science</i> , 2008, 2, 251-266.	0.5	291
17	Influence of high-latitude atmospheric circulation changes on summertime Arctic sea ice. <i>Nature Climate Change</i> , 2017, 7, 289-295.	8.1	290
18	Onset of deglacial warming in West Antarctica driven by local orbital forcing. <i>Nature</i> , 2013, 500, 440-444.	13.7	276

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19	On the origin and timing of rapid changes in atmospheric methane during the Last Glacial Period. <i>Global Biogeochemical Cycles</i> , 2000, 14, 559-572.	1.9	270
20	A global multiproxy database for temperature reconstructions of the Common Era. <i>Scientific Data</i> , 2017, 4, 170088.	2.4	268
21	Assessing recent trends in high-latitude Southern Hemisphere surface climate. <i>Nature Climate Change</i> , 2016, 6, 917-926.	8.1	253
22	Inter-hemispheric temperature variability over the past millennium. <i>Nature Climate Change</i> , 2014, 4, 362-367.	8.1	240
23	Influence of the Tropics on the Southern Annular Mode. <i>Journal of Climate</i> , 2012, 25, 6330-6348.	1.2	234
24	Anthropogenic Impacts on Nitrogen Isotopes of Ice-Core Nitrate. <i>Science</i> , 2009, 324, 1288-1288.	6.0	208
25	Millennial-scale storminess variability in the northeastern United States during the Holocene epoch. <i>Nature</i> , 2002, 419, 821-824.	13.7	183
26	The WAIS Divide deep ice core WD2014 chronology – Part 1: Methane synchronization (68–31 ka BP) and the gas age–ice age difference. <i>Climate of the Past</i> , 2015, 11, 153-173.	1.3	172
27	PALEOCLIMATE:Mid-Holocene Climate Change. <i>Science</i> , 1999, 286, 1485-1487.	6.0	170
28	The last millennium climate reanalysis project: Framework and first results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6745-6764.	1.2	166
29	West Antarctic ice loss influenced by internal climate variability and anthropogenic forcing. <i>Nature Geoscience</i> , 2019, 12, 718-724.	5.4	157
30	Tropical forcing of Circumpolar Deep Water Inflow and outlet glacier thinning in the Amundsen Sea Embayment, West Antarctica. <i>Annals of Glaciology</i> , 2012, 53, 19-28.	2.8	146
31	Antarctic climate variability on regional and continental scales over the last 2000 years. <i>Climate of the Past</i> , 2017, 13, 1609-1634.	1.3	145
32	Entrainment at cold glacier beds. <i>Geology</i> , 2000, 28, 351.	2.0	144
33	Recent climate and ice-sheet changes in West Antarctica compared with the past 2,000 years. <i>Nature Geoscience</i> , 2013, 6, 372-375.	5.4	140
34	Measurement of SLAP2 and GISP $\delta^{17}\text{O}$ and proposed VSMOW- $\delta^{17}\text{O}$ normalization for $\delta^{17}\text{O}$ and $\delta^{17}\text{O}_{\text{excess}}$ . <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 582-590.	0.7	136
35	Seasonal Precipitation Timing and Ice Core Records. <i>Science</i> , 1994, 266, 1885-1886.	6.0	130
36	Timing of millennial-scale climate change at Siple Dome, West Antarctica, during the last glacial period. <i>Quaternary Science Reviews</i> , 2005, 24, 1333-1343.	1.4	130

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37	Decadal Ocean Forcing and Antarctic Ice Sheet Response: Lessons from the Amundsen Sea. , 2016, 29, 106-117.		122
38	Fingerprints of internal drivers of Arctic sea ice loss in observations and model simulations. Nature Geoscience, 2019, 12, 28-33.	5.4	121
39	Seasonal variations in N and O isotopes of nitrate in snow at Summit, Greenland: Implications for the study of nitrate in snow and ice cores. Journal of Geophysical Research, 2004, 109, .	3.3	120
40	<scp>PRYSM</scp>: An openâ€source framework for PRoxY System Modeling, with applications to oxygenâ€isotope systems. Journal of Advances in Modeling Earth Systems, 2015, 7, 1220-1247.	1.3	120
41	Last Millennium Reanalysis with an expanded proxy database and seasonal proxy modeling. Climate of the Past, 2019, 15, 1251-1273.	1.3	120
42	Airborneâ€radar and iceâ€core observations of annual snow accumulation over Thwaites Glacier, West Antarctica confirm the spatiotemporal variability of global and regional atmospheric models. Geophysical Research Letters, 2013, 40, 3649-3654.	1.5	119
43	The spatial extent and dynamics of the Antarctic Cold Reversal. Nature Geoscience, 2016, 9, 51-55.	5.4	118
44	How much, how fast?: A science review and outlook for research on the instability of Antarctica's Thwaites Glacier in the 21st century. Global and Planetary Change, 2017, 153, 16-34.	1.6	118
45	Assimilation of Time-Averaged Pseudoproxies for Climate Reconstruction. Journal of Climate, 2014, 27, 426-441.	1.2	110
46	Wisconsinan and Holocene Climate History from an Ice Core at Taylor Dome, Western Ross Embayment, Antarctica. Geografiska Annaler, Series A: Physical Geography, 2000, 82A, 213-235.	0.6	109
47	Global atmospheric teleconnections during Dansgaardâ€Oeschger events. Nature Geoscience, 2017, 10, 36-40.	5.4	108
48	Abrupt ice-age shifts in southern westerly winds and Antarctic climate forced from the north. Nature, 2018, 563, 681-685.	13.7	108
49	Deglacial temperature history of West Antarctica. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14249-14254.	3.3	105
50	Climate Change During the Last Deglaciation in Antarctica. Science, 1996, 272, 1636-1638.	6.0	104
51	Wisconsinan and holocene climate history from an ice core at taylor dome, western ross embayment, antarctica. Geografiska Annaler, Series A: Physical Geography, 2000, 82, 213-235.	0.6	103
52	Measurements of Past Ice Sheet Elevations in Interior West Antarctica. Science, 1999, 286, 276-280.	6.0	101
53	Ice Age storm trajectories inferred from radar stratigraphy at Taylor Dome, Antarctica. Geophysical Research Letters, 1998, 25, 3383-3386.	1.5	100
54	Temperature Change on the Antarctic Peninsula Linked to the Tropical Pacific*. Journal of Climate, 2013, 26, 7570-7585.	1.2	98

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55	Calibrated high-precision $\delta^{17}\text{O}$ -excess measurements using cavity ring-down spectroscopy with laser-current-tuned cavity resonance. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2421-2435.	1.2	97
56	Extinction patterns, $\delta^{18}\text{O}$ trends, and magnetostratigraphy from a southern high-latitude Cretaceous–Paleogene section: Links with Deccan volcanism. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 350-352, 180-188.	1.0	96
57	The Mt Logan Holocene–late Wisconsinan isotope record: tropical Pacific–Yukon connections. <i>Holocene</i> , 2008, 18, 667-677.	0.9	94
58	Rock glacier dynamics and paleoclimatic implications. <i>Geology</i> , 1999, 27, 1131.	2.0	91
59	Recent Climate Variability in Antarctica from Satellite-Derived Temperature Data. <i>Journal of Climate</i> , 2004, 17, 1569-1583.	1.2	91
60	Constraining the recent mass balance of Pine Island and Thwaites glaciers, West Antarctica, with airborne observations of snow accumulation. <i>Cryosphere</i> , 2014, 8, 1375-1392.	1.5	90
61	Antarctic temperatures over the past two centuries from ice cores. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	88
62	Tropical teleconnection impacts on Antarctic climate changes. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 680-698.	12.2	85
63	The Taylor Dome Antarctic $^{18}\text{O}$ Record and Globally Synchronous Changes in Climate. <i>Quaternary Research</i> , 2001, 56, 289-298.	1.0	83
64	The Goldilocks dilemma: big ice, little ice, or “just-right” ice in the Eastern Canadian Arctic. <i>Quaternary Science Reviews</i> , 2002, 21, 33-48.	1.4	83
65	Ice cores record significant 1940s Antarctic warmth related to tropical climate variability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12154-12158.	3.3	82
66	Holocene hydrological cycle changes in the Southern Hemisphere documented in East Antarctic deuterium excess records. <i>Climate Dynamics</i> , 2001, 17, 503-513.	1.7	80
67	Nitrogen isotopes in ice core nitrate linked to anthropogenic atmospheric acidity change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5808-5812.	3.3	77
68	Variable relationship between accumulation and temperature in West Antarctica for the past 31,000 years. <i>Geophysical Research Letters</i> , 2016, 43, 3795-3803.	1.5	74
69	Phase relationships between Antarctic and Greenland climate records. <i>Annals of Glaciology</i> , 2002, 35, 451-456.	2.8	73
70	Sea-ice-free Arctic during the Last Interglacial supports fast future loss. <i>Nature Climate Change</i> , 2020, 10, 928-932.	8.1	71
71	Isotopic diffusion in polar firn: implications for interpretation of seasonal climate parameters in ice-core records, with emphasis on central Greenland. <i>Journal of Glaciology</i> , 1998, 44, 273-284.	1.1	69
72	Abrupt climate change around 22ka on the Siple Coast of Antarctica. <i>Quaternary Science Reviews</i> , 2004, 23, 7-15.	1.4	69

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73	Large amplitude solar modulation cycles of $^{10}\text{Be}$ in Antarctica: Implications for atmospheric mixing processes and interpretation of the ice core record. <i>Geophysical Research Letters</i> , 1996, 23, 523-526.	1.5	67
74	Genetic variability of rock glaciers. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1998, 80, 175-182.	0.6	66
75	Particulate and water-soluble carbon measured in recent snow at Summit, Greenland. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	66
76	Changes in climate, ocean and ice-sheet conditions in the Ross embayment, Antarctica, at 6 ka. <i>Annals of Glaciology</i> , 1998, 27, 305-310.	2.8	65
77	Wisconsinan refugia and the glacial history of eastern Baffin Island, Arctic Canada: Coupled evidence from cosmogenic isotopes and lake sediments. <i>Geology</i> , 1998, 26, 835.	2.0	63
78	Triple water isotope record from WAIS Divide, Antarctica: Controls on glacial-interglacial changes in $\delta^{17}\text{O}$ excess of precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8741-8763.	1.2	62
79	Antarctic surface temperature and elevation during the Last Glacial Maximum. <i>Science</i> , 2021, 372, 1097-1101.	6.0	61
80	Isotopic diffusion in polar firn: implications for interpretation of seasonal climate parameters in ice-core records, with emphasis on central Greenland. <i>Journal of Glaciology</i> , 1998, 44, 273-284.	1.1	57
81	Measurements and modeling of $\delta^{17}\text{O}$ of nitrate in snowpits from Summit, Greenland. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	55
82	Seasonal climate information preserved in West Antarctic ice core water isotopes: relationships to temperature, large-scale circulation, and sea ice. <i>Climate Dynamics</i> , 2012, 39, 1841-1857.	1.7	54
83	Sulfate sources and oxidation chemistry over the past 230 years from sulfur and oxygen isotopes of sulfate in a West Antarctic ice core. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	53
84	An automated approach for annual layer counting in ice cores. <i>Climate of the Past</i> , 2012, 8, 1881-1895.	1.3	53
85	Rate of mass loss from the Greenland Ice Sheet will exceed Holocene values this century. <i>Nature</i> , 2020, 586, 70-74.	13.7	53
86	Decoding the dipstick: Thickness of Siple Dome, West Antarctica, at the Last Glacial Maximum. <i>Geology</i> , 2005, 33, 281.	2.0	52
87	Fractional crystallization in granites of the Sierra Nevada: How important is it?. <i>Geology</i> , 1993, 21, 587.	2.0	51
88	High-resolution ice cores from US ITASE (West Antarctica): development and validation of chronologies and determination of precision and accuracy. <i>Annals of Glaciology</i> , 2005, 41, 77-84.	2.8	48
89	Low-gradient outlet glaciers (ice streams?) drained the Laurentide ice sheet. <i>Geology</i> , 2001, 29, 343.	2.0	45
90	Spatial and temporal variability of Antarctic ice sheet microwave brightness temperatures. <i>Geophysical Research Letters</i> , 2002, 29, 25-1-25-4.	1.5	45

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91	Climate reconstruction using data assimilation of water isotope ratios from ice cores. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1545-1568.	1.2	45
92	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.	1.3	44
93	Recent summer warming in northwestern Canada exceeds the Holocene thermal maximum. <i>Nature Communications</i> , 2019, 10, 1631.	5.8	44
94	Glacial/interglacial changes in the isotopes of nitrate from the Greenland Ice Sheet Project 2 (GISP2) ice core. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	1.9	42
95	Analysis of atmospheric inputs of nitrate to a temperate forest ecosystem from $\delta^{17}O$ isotope ratio measurements. <i>Geophysical Research Letters</i> , 2011, 38, .	1.5	42
96	A 700 year record of Southern Hemisphere extratropical climate variability. <i>Annals of Glaciology</i> , 2004, 39, 127-132.	2.8	41
97	Influence of West Antarctic Ice Sheet collapse on Antarctic surface climate. <i>Geophysical Research Letters</i> , 2015, 42, 4862-4868.	1.5	41
98	Southern Hemisphere climate variability forced by Northern Hemisphere ice-sheet topography. <i>Nature</i> , 2018, 554, 351-355.	13.7	41
99	The geochemical record in rock glaciers. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1998, 80, 277-286.	0.6	40
100	Major perturbation in sulfur cycling at the Triassic-Jurassic boundary. <i>Geology</i> , 2009, 37, 835-838.	2.0	40
101	WAIS Divide ice core suggests sustained changes in the atmospheric formation pathways of sulfate and nitrate since the 19th century in the extratropical Southern Hemisphere. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5749-5769.	1.9	40
102	Southern Ocean deep convection as a driver of Antarctic warming events. <i>Geophysical Research Letters</i> , 2016, 43, 2192-2199.	1.5	40
103	The 1500 m South Pole ice core: recovering a 40 ka environmental record. <i>Annals of Glaciology</i> , 2014, 55, 137-146.	2.8	39
104	Concomitant variability in high-latitude aerosols, water isotopes and the hydrologic cycle. <i>Nature Geoscience</i> , 2018, 11, 853-859.	5.4	39
105	The SP19 chronology for the South Pole Ice Core " Part 1: volcanic matching and annual layer counting. <i>Climate of the Past</i> , 2019, 15, 1793-1808.	1.3	38
106	Improved methodologies for continuous-flow analysis of stable water isotopes in ice cores. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 617-632.	1.2	37
107	Characterization of Millennial-Scale Climate Variability. <i>Journal of Climate</i> , 2004, 17, 1929-1944.	1.2	35
108	Ground ice recharge via brine transport in frozen soils of Victoria Valley, Antarctica: Insights from modeling $\delta^{18}O$ and $\delta^2D$ profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 435-448.	1.6	35

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109	Water isotope diffusion in the WAIS Divide ice core during the Holocene and last glacial. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 290-309.	1.0	33
110	Using characteristic times to assess whether stable isotopes in polar snow can be reversibly deposited. <i>Annals of Glaciology</i> , 2002, 35, 118-124.	2.8	32
111	Ice sheet record of recent sea-ice behavior and polynya variability in the Amundsen Sea, West Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 118-130.	1.0	32
112	Climate models can correctly simulate the continuum of global-average temperature variability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8728-8733.	3.3	32
113	Evidence for the stability of the West Antarctic Ice Sheet divide for 1.4 million years. <i>Nature Communications</i> , 2016, 7, 10325.	5.8	31
114	Routine high-precision analysis of triple water isotope ratios using cavity ring-down spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2059-2069.	0.7	29
115	Non-climate influences on stable isotopes at Taylor Mouth, Antarctica. <i>Journal of Glaciology</i> , 2005, 51, 248-258.	1.1	28
116	Influence of local photochemistry on isotopes of nitrate in Greenland snow. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	28
117	Twentieth-century warming revives the world's northernmost lake. <i>Geology</i> , 2012, 40, 1003-1006.	2.0	27
118	West Antarctica's sensitivity to natural and human-forced climate change over the Holocene. <i>Journal of Quaternary Science</i> , 2013, 28, 40-48.	1.1	27
119	Using the sunspot cycle to date ice cores. <i>Geophysical Research Letters</i> , 1998, 25, 163-166.	1.5	26
120	Modeled methanesulfonic acid (MSA) deposition in Antarctica and its relationship to sea ice. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	26
121	West Antarctic Ice Sheet Elevation Changes. <i>Antarctic Research Series</i> , 0, , 75-90.	0.2	26
122	A multimillion-year-old record of Greenland vegetation and glacial history preserved in sediment beneath 1.4 km of ice at Camp Century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	26
123	Timing is everything in a game of two hemispheres. <i>Nature</i> , 1998, 394, 717-718.	13.7	25
124	Isotopic ratios in gas-phase HNO <sub>3</sub> and snow nitrate at Summit, Greenland. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
125	Seasonal and spatial variations of <sup>17</sup> O <sub>excess</sub> and <i>d</i> <sub>18</sub> <sub>excess</sub> in Antarctic precipitation: Insights from an intermediate complexity isotope model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,215.	1.2	24
126	Glaciological and climatic significance of Hercules Dome, Antarctica: An optimal site for deep ice core drilling. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	23



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127	An overview of air-snow exchange at Summit, Greenland: Recent experiments and findings. <i>Atmospheric Environment</i> , 2007, 41, 4995-5006.	1.9	23
128	High-resolution ice-core stable-isotopic records from Antarctica: towards interannual climate reconstruction. <i>Annals of Glaciology</i> , 2005, 41, 63-70.	2.8	22
129	An observed negative trend in West Antarctic accumulation rates from 1975 to 2010: Evidence from new observed and simulated records. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4205-4216.	1.2	22
130	The Relationship between Snow Accumulation at Mt. Logan, Yukon, Canada, and Climate Variability in the North Pacific. <i>Journal of Climate</i> , 2004, 17, 4724-4739.	1.2	21
131	Ice-core net snow accumulation and seasonal snow chemistry at a temperate-glacier site: Mount Waddington, southwest British Columbia, Canada. <i>Journal of Glaciology</i> , 2012, 58, 1165-1175.	1.1	21
132	Tropical Pacific Influence on the Source and Transport of Marine Aerosols to West Antarctica*. <i>Journal of Climate</i> , 2014, 27, 1343-1363.	1.2	21
133	The south-north connection. <i>Nature</i> , 2006, 444, 152-153.	13.7	20
134	A Horizontal Ice Core From Taylor Glacier, Its Implications for Antarctic Climate History, and an Improved Taylor Dome Ice Core Time Scale. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 778-794.	1.3	20
135	Greenland temperature and precipitation over the last 20,000 years using data assimilation. <i>Climate of the Past</i> , 2020, 16, 1325-1346.	1.3	19
136	Late-Holocene climate evolution at the WAIS Divide site, West Antarctica: bubble number-density estimates. <i>Journal of Glaciology</i> , 2011, 57, 629-638.	1.1	18
137	The heat is on in Antarctica. <i>Nature Geoscience</i> , 2013, 6, 87-88.	5.4	18
138	On the origin of the occasional spring nitrate peak in Greenland snow. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13361-13376.	1.9	18
139	Continuous-Flow Analysis of $\delta^{17}O$ , $\delta^{18}O$ , and $\delta^2H$ of H <sub>2</sub> O on an Ice Core from the South Pole. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	18
140	The SP19 chronology for the South Pole Ice Core – Part 2: gas chronology, age, and smoothing of atmospheric records. <i>Climate of the Past</i> , 2020, 16, 2431-2444.	1.3	16
141	Nonequilibrium Fractionation During Ice Cloud Formation in iCAM5: Evaluating the Common Parameterization of Supersaturation as a Linear Function of Temperature. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3777-3793.	1.3	15
142	Ice Cores from the St. Elias Mountains, Yukon, Canada: Their Significance for Climate, Atmospheric Composition and Volcanism in the North Pacific Region. <i>Arctic</i> , 2014, 67, 35.	0.2	15
143	Glacier change along West Antarctica's Marie Byrd Land Sector and links to inter-decadal atmosphere-ocean variability. <i>Cryosphere</i> , 2018, 12, 2461-2479.	1.5	14
144	Reconstructing annual and seasonal climatic responses from volcanic events since A.D. 1270 as recorded in the deuterium signal from the Greenland Ice Sheet Project 2 ice core. <i>Journal of Geophysical Research</i> , 1997, 102, 19683-19694.	3.3	13

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145	How well can we parameterize past accumulation rates in polar ice sheets?. <i>Annals of Glaciology</i> , 1997, 25, 418-422.	2.8	13
146	PALEOCLIMATE: No Two Latitudes Alike. <i>Science</i> , 2001, 293, 2015-2016.	6.0	13
147	A link between microwave extinction length, firn thermal diffusivity, and accumulation rate in West Antarctica. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
148	Seasonally Resolved Holocene Sea Ice Variability Inferred From South Pole Ice Core Chemistry. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091602.	1.5	12
149	The Connection between Ice Dynamics and Paleoclimate from Ice Cores: A Study of Taylor Dome, Antarctica. , 1993, , 499-516.		12
150	Strengthening Southern Hemisphere Westerlies and Amundsen Sea Low Deepening Over the 20th Century Revealed by Proxy Data Assimilation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095999.	1.5	12
151	Temporal co-variation of surface and microwave brightness temperatures in Antarctica, with implications for the observation of surface temperature variability using satellite data. <i>Annals of Glaciology</i> , 2004, 39, 346-350.	2.8	11
152	Atmospheric dynamics drive most interannual U.S. droughts over the last millennium. <i>Science Advances</i> , 2020, 6, eaay7268.	4.7	11
153	Improving temperature reconstructions from ice-core water-isotope records. <i>Climate of the Past</i> , 2022, 18, 1321-1368.	1.3	11
154	A Generalized Approach to Estimating Diffusion Length of Stable Water Isotopes From Ice Core Data. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2377-2391.	1.0	10
155	An alternative model for the geomorphic history of pre-Wisconsinan surfaces on eastern Baffin Island: a comment on Bierman et al. ( <i>Geomorphology</i> 25 (1999) 25-39). <i>Geomorphology</i> , 2001, 39, 251-254.	1.1	9
156	The prescience of paleoclimatology and the future of the Antarctic ice sheet. <i>Nature Communications</i> , 2018, 9, 2730.	5.8	9
157	How $^{17}\text{O}$ excess in clumped isotope reference-frame materials and ETH standards affects reconstructed temperature. <i>Chemical Geology</i> , 2021, 563, 120059.	1.4	9
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