

Eric W Wolff

List of Publications by Year in descending order

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255
papers

23,638
citations

10979

71
h-index

9854

141
g-index

332
all docs

332
docs citations

332
times ranked

14191
citing authors

#	ARTICLE	IF	CITATIONS
1	Eight glacial cycles from an Antarctic ice core. <i>Nature</i> , 2004, 429, 623-628.	13.7	2,015
2	Orbital and Millennial Antarctic Climate Variability over the Past 800,000 Years. <i>Science</i> , 2007, 317, 793-796.	6.0	1,880
3	One-to-one coupling of glacial climate variability in Greenland and Antarctica. <i>Nature</i> , 2006, 444, 195-198.	13.7	1,111
4	Halogens and their role in polar boundary-layer ozone depletion. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4375-4418.	1.9	593
5	High-resolution palaeoclimatology of the last millennium: a review of current status and future prospects. <i>Holocene</i> , 2009, 19, 3-49.	0.9	588
6	Emian interglacial reconstructed from a Greenland folded ice core. <i>Nature</i> , 2013, 493, 489-494.	13.7	565
7	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4329-4373.	1.9	554
8	Southern Ocean sea-ice extent, productivity and iron flux over the past eight glacial cycles. <i>Nature</i> , 2006, 440, 491-496.	13.7	482
9	Millennial-scale variability during the last glacial: The ice core record. <i>Quaternary Science Reviews</i> , 2010, 29, 2828-2838.	1.4	440
10	The EDC3 chronology for the EPICA Dome C ice core. <i>Climate of the Past</i> , 2007, 3, 485-497.	1.3	396
11	The 8.2ka event from Greenland ice cores. <i>Quaternary Science Reviews</i> , 2007, 26, 70-81.	1.4	386
12	The Antarctic ice core chronology (AICC2012): an optimized multi-parameter and multi-site dating approach for the last 120 thousand years. <i>Climate of the Past</i> , 2013, 9, 1733-1748.	1.3	362
13	History of sea ice in the Arctic. <i>Quaternary Science Reviews</i> , 2010, 29, 1757-1778.	1.4	343
14	An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120â€“800 ka. <i>Climate of the Past</i> , 2013, 9, 1715-1731.	1.3	324
15	Rising atmospheric methane: 2007â€“2014 growth and isotopic shift. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1356-1370.	1.9	317
16	800,000 Years of Abrupt Climate Variability. <i>Science</i> , 2011, 334, 347-351.	6.0	310
17	Sea-salt aerosol in coastal Antarctic regions. <i>Journal of Geophysical Research</i> , 1998, 103, 10961-10974.	3.3	256
18	Southern Hemisphere westerly wind changes during the Last Glacial Maximum: paleo-data synthesis. <i>Quaternary Science Reviews</i> , 2013, 68, 76-95.	1.4	238

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19	Frost flowers: Implications for tropospheric chemistry and ice core interpretation. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 4-1-AAC 4-15.	3.3	234
20	Temperature and precipitation history of the Arctic. <i>Quaternary Science Reviews</i> , 2010, 29, 1679-1715.	1.4	226
21	Speciation and rate of photochemical NO and NO ₂ production in Antarctic snow. <i>Geophysical Research Letters</i> , 2000, 27, 345-348.	1.5	202
22	Glacial/interglacial changes in mineral dust and sea-salt records in polar ice cores: Sources, transport, and deposition. <i>Reviews of Geophysics</i> , 2007, 45, .	9.0	200
23	Reconstruction of millennial changes in dust emission, transport and regional sea ice coverage using the deep EPICA ice cores from the Atlantic and Indian Ocean sector of Antarctica. <i>Earth and Planetary Science Letters</i> , 2007, 260, 340-354.	1.8	193
24	Interglacial and glacial variability from the last 800 ka in marine, ice and terrestrial archives. <i>Climate of the Past</i> , 2011, 7, 361-380.	1.3	193
25	Sulfur-containing species (sulfate and methanesulfonate) in coastal Antarctic aerosol and precipitation. <i>Journal of Geophysical Research</i> , 1998, 103, 10975-10990.	3.3	192
26	Sulphuric acid at grain boundaries in Antarctic ice. <i>Nature</i> , 1988, 331, 247-249.	13.7	188
27	Changes in environment over the last 800,000 years from chemical analysis of the EPICA Dome C ice core. <i>Quaternary Science Reviews</i> , 2010, 29, 285-295.	1.4	183
28	Measurements of NO _x emissions from the Antarctic snowpack. <i>Geophysical Research Letters</i> , 2001, 28, 1499-1502.	1.5	167
29	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018, 11, 474-485.	5.4	166
30	Acceleration of snow melt in an Antarctic Peninsula ice core during the twentieth century. <i>Nature Geoscience</i> , 2013, 6, 404-411.	5.4	154
31	Changes in heavy metals in Antarctic snow from Coats Land since the mid-19th to the late-20th century. <i>Earth and Planetary Science Letters</i> , 2002, 200, 207-222.	1.8	149
32	Temporal and spatial structure of multi-millennial temperature changes at high latitudes during the Last Interglacial. <i>Quaternary Science Reviews</i> , 2014, 103, 116-133.	1.4	146
33	"EDML": a chronology for the EPICA deep ice core from Dronning Maud Land, Antarctica, over the last 150 000 years. <i>Climate of the Past</i> , 2007, 3, 475-484.	1.3	143
34	Dust and sea salt variability in central East Antarctica (Dome C) over the last 45 kyrs and its implications for southern high-latitude climate. <i>Geophysical Research Letters</i> , 2002, 29, 24-1-24-4.	1.5	141
35	Estimating the frequency of extremely energetic solar events, based on solar, stellar, lunar, and terrestrial records. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	141
36	Frost flowers as a source of fractionated sea salt aerosol in the polar regions. <i>Geophysical Research Letters</i> , 2000, 27, 3469-3472.	1.5	140

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37	An ice core indicator of Antarctic sea ice production?. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	136
38	Evidence for warmer interglacials in East Antarctic ice cores. <i>Nature</i> , 2009, 462, 342-345.	13.7	136
39	Factors controlling nitrate in ice cores: Evidence from the Dome C deep ice core. <i>Journal of Geophysical Research</i> , 2000, 105, 20565-20572.	3.3	133
40	Nitrate in Greenland and Antarctic ice cores: a detailed description of post-depositional processes. <i>Annals of Glaciology</i> , 2002, 35, 209-216.	2.8	128
41	The record of global pollution in polar snow and ice. <i>Nature</i> , 1985, 313, 535-540.	13.7	123
42	Where to find 1.5 million yr old ice for the IPICS "Oldest-Ice" ice core. <i>Climate of the Past</i> , 2013, 9, 2489-2505.	1.3	123
43	Southern Hemisphere westerly wind changes during the Last Glacial Maximum: model-data comparison. <i>Quaternary Science Reviews</i> , 2013, 64, 104-120.	1.4	121
44	Concentrations and seasonal cycle of black carbon in aerosol at a coastal Antarctic station. <i>Journal of Geophysical Research</i> , 1998, 103, 11033-11041.	3.3	118
45	Timescales for dust variability in the Greenland Ice Core Project (GRIP) ice core in the last 100,000 years. <i>Journal of Geophysical Research</i> , 1999, 104, 31043-31052.	3.3	117
46	Subsurface ice as a microbial habitat. <i>Geology</i> , 2006, 34, 169.	2.0	117
47	The role of Southern Ocean processes in orbital and millennial CO2 variations â€“ A synthesis. <i>Quaternary Science Reviews</i> , 2010, 29, 193-205.	1.4	115
48	Antarctic snow record of southern hemisphere lead pollution. <i>Geophysical Research Letters</i> , 1994, 21, 781-784.	1.5	113
49	A tentative chronology for the EPICA Dome Concordia Ice Core. <i>Geophysical Research Letters</i> , 2001, 28, 4243-4246.	1.5	113
50	Atmospheric near-surface nitrate at coastal Antarctic sites. <i>Journal of Geophysical Research</i> , 1998, 103, 11007-11020.	3.3	111
51	A review of sea ice proxy information from polar ice cores. <i>Quaternary Science Reviews</i> , 2013, 79, 168-183.	1.4	110
52	Glacial terminations as southern warmings without northern control. <i>Nature Geoscience</i> , 2009, 2, 206-209.	5.4	109
53	A simple rule to determine which insolation cycles lead to interglacials. <i>Nature</i> , 2017, 542, 427-432.	13.7	108
54	Nitrate in Polar Ice. , 1995, , 195-224.		100

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55	BrO, blizzards, and drivers of polar tropospheric ozone depletion events. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4639-4652.	1.9	98
56	Henry's law constants for polychlorinated biphenyls: experimental determination and structure-property relationships. <i>Environmental Science & Technology</i> , 1990, 24, 1751-1754.	4.6	96
57	A year-long record of size-segregated aerosol composition at Halley, Antarctica. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	94
58	Antarctic snow record of cadmium, copper, and zinc content during the twentieth century. <i>Atmospheric Environment</i> , 1999, 33, 1535-1541.	1.9	92
59	Snow chemistry across Antarctica. <i>Annals of Glaciology</i> , 2005, 41, 167-179.	2.8	90
60	DMS and MSA measurements in the Antarctic Boundary Layer: impact of BrO on MSA production. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2985-2997.	1.9	87
61	Diffusion and location of hydrochloric acid in ice: Implications for polar stratospheric clouds and ozone depletion. <i>Geophysical Research Letters</i> , 1989, 16, 487-490.	1.5	85
62	The Carrington event not observed in most ice core nitrate records. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	85
63	Flow law for ice in polar ice sheets. <i>Nature</i> , 1985, 314, 255-257.	13.7	84
64	The interpretation of spikes and trends in concentration of nitrate in polar ice cores, based on evidence from snow and atmospheric measurements. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5627-5634.	1.9	84
65	The 8200yr BP cold event in stable isotope records from the North Atlantic region. <i>Global and Planetary Change</i> , 2011, 79, 288-302.	1.6	84
66	One hundred fifty-year record of lead isotopes in Antarctic snow from Coats Land. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 693-708.	1.6	82
67	Sea ice in the paleoclimate system: the challenge of reconstructing sea ice from proxies – an introduction. <i>Quaternary Science Reviews</i> , 2013, 79, 1-8.	1.4	82
68	Proxies and Measurement Techniques for Mineral Dust in Antarctic Ice Cores. <i>Environmental Science & Technology</i> , 2008, 42, 5675-5681.	4.6	81
69	Oxidized nitrogen chemistry and speciation in the Antarctic troposphere. <i>Journal of Geophysical Research</i> , 1999, 104, 21355-21366.	3.3	80
70	A two-phase model of electrical conduction in polar ice sheets. <i>Journal of Geophysical Research</i> , 1984, 89, 9433-9438.	3.3	79
71	Sea-salt aerosol response to climate change: Last Glacial Maximum, preindustrial, and doubled carbon dioxide climates. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	78
72	Postdepositional change in snowpack nitrate from observation of year-round near-surface snow in coastal Antarctica. <i>Journal of Geophysical Research</i> , 1998, 103, 11021-11031.	3.3	77

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73	Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. <i>Elementa</i> , 2015, 3, .	1.1	77
74	What controls photochemical NO and NO ₂ production from Antarctic snow? Laboratory investigation assessing the wavelength and temperature dependence. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	76
75	Large-scale features of Last Interglacial climate: results from evaluating the <i>CCSM</i> simulations for the Coupled Model Intercomparison Project (CMIP6) <i>Paleoclimate Modeling Intercomparison Project (PMIP4)</i>. <i>Climate of the Past</i> , 2021, 17, 63-94.	1.3	76
76	The chemical basis for the electrical stratigraphy of ice. <i>Journal of Geophysical Research</i> , 1992, 97, 1887-1896.	3.3	74
77	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
78	Synchronisation of the EDML and EDC ice cores for the last 52 kyr by volcanic signature matching. <i>Climate of the Past</i> , 2007, 3, 367-374.	1.3	73
79	Chemistry of the Antarctic Boundary Layer and the Interface with Snow: an overview of the CHABLIS campaign. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3789-3803.	1.9	73
80	Can we predict the duration of an interglacial?. <i>Climate of the Past</i> , 2012, 8, 1473-1485.	1.3	72
81	Sea-ice-free Arctic during the Last Interglacial supports fast future loss. <i>Nature Climate Change</i> , 2020, 10, 928-932.	8.1	71
82	Boreal fire records in Northern Hemisphere ice cores: a review. <i>Climate of the Past</i> , 2016, 12, 2033-2059.	1.3	70
83	Multiple sources supply eolian mineral dust to the Atlantic sector of coastal Antarctica: Evidence from recent snow layers at the top of Berkner Island ice sheet. <i>Earth and Planetary Science Letters</i> , 2010, 291, 138-148.	1.8	69
84	Signals of atmospheric pollution in polar snow and ice. <i>Antarctic Science</i> , 1990, 2, 189-205.	0.5	67
85	Causes of seasonal and daily variations in aerosol sea-salt concentrations at a coastal Antarctic station. <i>Atmospheric Environment</i> , 1998, 32, 3669-3677.	1.9	67
86	Modelling photochemical NO _x production and nitrate loss in the upper snowpack of Antarctica. <i>Geophysical Research Letters</i> , 2002, 29, 5-1-5-4.	1.5	67
87	Interhemispheric coupling, the West Antarctic Ice Sheet and warm Antarctic interglacials. <i>Climate of the Past</i> , 2010, 6, 431-443.	1.3	67
88	Evidence for winter/spring denitrification of the stratosphere in the nitrate record of Antarctic firn cores. <i>Journal of Geophysical Research</i> , 1993, 98, 5213-5220.	3.3	66
89	Ultrasensitive determination of heavy metals at the sub-picogram per gram level in ultraclean Antarctic snow samples by inductively coupled plasma sector field mass spectrometry. <i>Analytica Chimica Acta</i> , 2001, 450, 193-205.	2.6	65
90	Spatial variability of the major chemistry of the Antarctic ice sheet. <i>Annals of Glaciology</i> , 1994, 20, 440-447.	2.8	64

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91	Ice core evidence for the extent of past atmospheric CO ₂ change due to iron fertilisation. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	63
92	Critical evaluation of climate syntheses to benchmark CMIP6/PMIP4 127 ka Last Interglacial simulations in the high-latitude regions. <i>Quaternary Science Reviews</i> , 2017, 168, 137-150.	1.4	63
93	Relationship between chemistry of air, fresh snow and firn cores for aerosol species in coastal Antarctica. <i>Journal of Geophysical Research</i> , 1998, 103, 11057-11070.	3.3	62
94	Synchronous timing of abrupt climate changes during the last glacial period. <i>Science</i> , 2020, 369, 963-969.	6.0	62
95	Vertical structure of Antarctic tropospheric ozone depletion events: characteristics and broader implications. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7775-7794.	1.9	61
96	First direct observation of sea salt aerosol production from blowing snow above sea ice. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2549-2578.	1.9	61
97	Heavy metal and sulphur emissions to the atmosphere from human activities in Antarctica. <i>Atmospheric Environment</i> , 1989, 23, 1669-1675.	1.1	60
98	Antarctic isotopic thermometer during a CO ₂ forced warming event. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	60
99	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
100	Frost flowers in the laboratory: Growth, characteristics, aerosol, and the underlying sea ice. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	59
101	The Location of Impurities in Antarctic Ice. <i>Annals of Glaciology</i> , 1988, 11, 194-197.	2.8	58
102	Holocene electrical and chemical measurements from the EPICA "Dome C ice core. <i>Annals of Glaciology</i> , 2000, 30, 20-26.	2.8	57
103	Limited dechlorination of sea-salt aerosols during the last glacial period: Evidence from the European Project for Ice Coring in Antarctica (EPICA) Dome C ice core. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	57
104	Ice sheets and nitrogen. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130127.	1.8	57
105	The Southern Hemisphere at glacial terminations: insights from the Dome C ice core. <i>Climate of the Past</i> , 2008, 4, 345-356.	1.3	57
106	A role for newly forming sea ice in springtime polar tropospheric ozone loss? Observational evidence from Halley station, Antarctica. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	56
107	Factors Controlling the Electrical Conductivity of Ice from the Polar Regions A Summary. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6090-6094.	1.2	55
108	Distribution of soluble impurities in cold glacial ice. <i>Journal of Glaciology</i> , 2004, 50, 311-324.	1.1	55

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109	The transition from the Last Glacial Period in inland and near-coastal Antarctica. <i>Geophysical Research Letters</i> , 2000, 27, 2673-2676.	1.5	53
110	Millennial changes in North American wildfire and soil activity over the last glacial cycle. <i>Nature Geoscience</i> , 2015, 8, 723-727.	5.4	53
111	The multi-seasonal NO _x budget in coastal Antarctica and its link with surface snow and ice core nitrate: results from the CHABLIS campaign. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9271-9285.	1.9	52
112	The diurnal variability of atmospheric nitrogen oxides (NO and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (NO _x) stability and snow emissions. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3045-3062.	1.9	52
113	Ammonium and non-sea salt sulfate in the EPICA ice cores as indicator of biological activity in the Southern Ocean. <i>Quaternary Science Reviews</i> , 2010, 29, 313-323.	1.4	50
114	Long-term changes in the acid and salt concentrations of the Greenland Ice Core Project ice core from electrical stratigraphy. <i>Journal of Geophysical Research</i> , 1995, 100, 16249.	3.3	49
115	SEM studies of the morphology and chemistry of polar ice. <i>Microscopy Research and Technique</i> , 2003, 62, 62-69.	1.2	49
116	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
117	Climatic implications of background acidity and other chemistry derived from electrical studies of the Greenland Ice Core Project ice core. <i>Journal of Geophysical Research</i> , 1997, 102, 26325-26332.	3.3	48
118	Comparison of analytical methods used for measuring major ions in the EPICA Dome C (Antarctica) ice core. <i>Annals of Glaciology</i> , 2002, 35, 299-305.	2.8	48
119	Persistent influence of obliquity on ice age terminations since the Middle Pleistocene transition. <i>Science</i> , 2020, 367, 1235-1239.	6.0	48
120	Evolution of chemical peak shapes in the Dome C, Antarctica, ice core. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	46
121	Frost flower surface area and chemistry as a function of salinity and temperature. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
122	Coastal Antarctic aerosol and snowfall chemistry. <i>Journal of Geophysical Research</i> , 1998, 103, 10927-10934.	3.3	45
123	Antarctic aerosol and snowfall chemistry: implications for deep Antarctic ice-core chemistry. <i>Annals of Glaciology</i> , 1999, 29, 66-72.	2.8	45
124	Sea salt as an ice core proxy for past sea ice extent: A process-based model study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5737-5756.	1.2	45
125	Stratigraphic correlations between the European Project for Ice Coring in Antarctica (EPICA) Dome C and Vostok ice cores showing the relative variations of snow accumulation over the past 45 kyr. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	43
126	Greenhouse gases in the Earth system: a palaeoclimate perspective. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 2133-2147.	1.6	43

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127	Volcanic synchronisation between the EPICA Dome C and Vostok ice cores (Antarctica) 0â€“145 kyr BP. <i>Climate of the Past</i> , 2012, 8, 1031-1045.	1.3	43
128	A 308 year record of climate variability in West Antarctica. <i>Geophysical Research Letters</i> , 2013, 40, 5492-5496.	1.5	43
129	Warm climate isotopic simulations: what do we learn about interglacial signals in Greenland ice cores?. <i>Quaternary Science Reviews</i> , 2013, 67, 59-80.	1.4	43
130	Constraints on soluble aerosol iron flux to the Southern Ocean at the Last Glacial Maximum. <i>Nature Communications</i> , 2015, 6, 7850.	5.8	43
131	Preconcentration of cadmium, copper, lead, and zinc in water at the 10-12 g/g level by adsorption onto tungsten wire followed by flameless atomic absorption spectrometry. <i>Analytical Chemistry</i> , 1981, 53, 1566-1570.	3.2	42
132	Comparison of Holocene electrical records from Dome C and Vostok, Antarctica. <i>Annals of Glaciology</i> , 1999, 29, 89-93.	2.8	42
133	Climate spectrum estimation in the presence of timescale errors. <i>Nonlinear Processes in Geophysics</i> , 2009, 16, 43-56.	0.6	42
134	Closer to a True Value for Heavy Metal Concentrations in Recent Antarctic Snow by Improved Contamination Control. <i>Annals of Glaciology</i> , 1985, 7, 61-69.	2.8	41
135	Direct determination of mercury at the sub-picogram per gram level in polar snow and ice by ICP-SFMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 823.	1.6	41
136	Anatomy of a Dansgaardâ€Oeschger warming transition: Highâ€resolution analysis of the North Greenland Ice Core Project ice core. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	41
137	Spatial variability of the major chemistry of the Antarctic ice sheet. <i>Annals of Glaciology</i> , 1994, 20, 440-447.	2.8	40
138	Electrical response of the Summit-Greenland ice core to ammonium, sulphuric acid, and hydrochloric acid. <i>Geophysical Research Letters</i> , 1994, 21, 565-568.	1.5	39
139	Concentrations of Cadmium, Copper, Lead and Zinc in Snow from Near Dye 3 in South Greenland. <i>Annals of Glaciology</i> , 1988, 10, 193-197.	2.8	38
140	Observations of polar ice from the Holocene and the glacial period using the scanning electron microscope. <i>Annals of Glaciology</i> , 2002, 35, 559-566.	2.8	38
141	Sea ice as a source of sea salt aerosol to Greenland ice cores: a model-based study. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9417-9433.	1.9	38
142	A technique for the examination of polar ice using the scanning electron microscope. <i>Journal of Microscopy</i> , 2002, 205, 118-124.	0.8	37
143	An analysis of the oxidation potential of the South Pole boundary layer and the influence of stratospheric ozone depletion. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	37
144	Year-round records of bulk and size-segregated aerosol composition in central Antarctica (Concordia site) â€“ Part 1: Fractionation of sea-salt particles. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14039-14054.	1.9	37

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145	Reactions on sulphuric acid aerosol and on polar stratospheric clouds in the Antarctic stratosphere. <i>Geophysical Research Letters</i> , 1991, 18, 1007-1010.	1.5	36
146	Reconciling the changes in atmospheric methane sources and sinks between the Last Glacial Maximum and the pre-industrial era. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	36
147	Summertime NO _x measurements during the CHABLIS campaign: can source and sink estimates unravel observed diurnal cycles?. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 989-1002.	1.9	36
148	The local deposition of heavy metal emissions from point sources in Antarctica. <i>Atmospheric Environment Part A General Topics</i> , 1993, 27, 1833-1841.	1.3	33
149	Methane and nitrous oxide in the ice core record. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 1775-1792.	1.6	33
150	Sea salt aerosol production via sublimating wind-blown saline snow particles over sea ice: parameterizations and relevant microphysical mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8407-8424.	1.9	33
151	Investigating possible causes of the observed diurnal variability in Antarctic NO _y . <i>Geophysical Research Letters</i> , 1999, 26, 2853-2856.	1.5	32
152	Short-term variations in the occurrence of heavy metals in Antarctic snow from Coats Land since the 1920s. <i>Science of the Total Environment</i> , 2002, 300, 129-142.	3.9	32
153	Retrieving the paleoclimatic signal from the deeper part of the EPICA Dome C ice core. <i>Cryosphere</i> , 2015, 9, 1633-1648.	1.5	32
154	Signal variability in replicate ice cores. <i>Journal of Glaciology</i> , 2005, 51, 462-468.	1.1	31
155	Seasonal input of heavy metals to Antarctic snow. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1992, 44, 351-357.	0.8	30
156	Location, Movement and Reactions of Impurities in Solid Ice. , 1996, , 541-560.		30
157	Automated ice-core layer-counting with strong univariate signals. <i>Climate of the Past</i> , 2012, 8, 1869-1879.	1.3	28
158	The Mid-Brunhes Event and West Antarctic ice sheet stability. <i>Journal of Quaternary Science</i> , 2011, 26, 474-477.	1.1	27
159	Volcanic synchronization of Dome Fuji and Dome C Antarctic deep ice cores over the past 216 kyr. <i>Climate of the Past</i> , 2015, 11, 1395-1416.	1.3	27
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