

Eric W Wolff

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273
papers

19,802
citations

69
h-index

135
g-index

332
ext. papers

21,890
ext. citations

8.7
avg, IF

6.71
L-index

#	Paper	IF	Citations
273	Eight glacial cycles from an Antarctic ice core. <i>Nature</i> , 2004 , 429, 623-8	50.4	1694
272	Orbital and millennial Antarctic climate variability over the past 800,000 years. <i>Science</i> , 2007 , 317, 793-6	33.3	1535
271	One-to-one coupling of glacial climate variability in Greenland and Antarctica. <i>Nature</i> , 2006 , 444, 195-8	50.4	966
270	High-resolution palaeoclimatology of the last millennium: a review of current status and future prospects. <i>Holocene</i> , 2009 , 19, 3-49	2.6	499
269	Halogens and their role in polar boundary-layer ozone depletion. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 4375-4418	6.8	494
268	Eemian interglacial reconstructed from a Greenland folded ice core. <i>Nature</i> , 2013 , 493, 489-94	50.4	474
267	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 4329-4373	6.8	459
266	Southern Ocean sea-ice extent, productivity and iron flux over the past eight glacial cycles. <i>Nature</i> , 2006 , 440, 491-6	50.4	420
265	Millennial-scale variability during the last glacial: The ice core record. <i>Quaternary Science Reviews</i> , 2010 , 29, 2828-2838	3.9	360
264	The EDC3 chronology for the EPICA Dome C ice core. <i>Climate of the Past</i> , 2007 , 3, 485-497	3.9	339
263	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	3.9	295
262	History of sea ice in the Arctic. <i>Quaternary Science Reviews</i> , 2010 , 29, 1757-1778	3.9	295
261	The 8.2 ka event from Greenland ice cores. <i>Quaternary Science Reviews</i> , 2007 , 26, 70-81	3.9	289
260	An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120,000 ka. <i>Climate of the Past</i> , 2013 , 9, 1715-1731	3.9	261
259	800,000 years of abrupt climate variability. <i>Science</i> , 2011 , 334, 347-51	33.3	259
258	Rising atmospheric methane: 2007-2014 growth and isotopic shift. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 1356-1370	5.9	257
257	Sea-salt aerosol in coastal Antarctic regions. <i>Journal of Geophysical Research</i> , 1998 , 103, 10961-10974		231

256	Frost flowers: Implications for tropospheric chemistry and ice core interpretation. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 4-1-AAC 4-15		207
255	Temperature and precipitation history of the Arctic. <i>Quaternary Science Reviews</i> , 2010 , 29, 1679-1715	3.9	203
254	Southern Hemisphere westerly wind changes during the Last Glacial Maximum: paleo-data synthesis. <i>Quaternary Science Reviews</i> , 2013 , 68, 76-95	3.9	191
253	Speciation and rate of photochemical NO and NO ₂ production in Antarctic snow. <i>Geophysical Research Letters</i> , 2000 , 27, 345-348	4.9	180
252	Sulfur-containing species (sulfate and methanesulfonate) in coastal Antarctic aerosol and precipitation. <i>Journal of Geophysical Research</i> , 1998 , 103, 10975-10990		177
251	Sulphuric acid at grain boundaries in Antarctic ice. <i>Nature</i> , 1988 , 331, 247-249	50.4	173
250	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,	23.1	167
249	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	5.3	165
248	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	3.9	160
247	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	3.9	147
246	Measurements of NO _x emissions from the Antarctic snowpack. <i>Geophysical Research Letters</i> , 2001 , 28, 1499-1502	4.9	143
245	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	5.3	134
244	"EDML1": 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	3.9	130
243	Estimating the frequency of extremely energetic solar events, based on solar, stellar, lunar, and terrestrial records. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		124
242	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	4.9	124
241	An ice core indicator of Antarctic sea ice production?. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	121
240	Frost flowers as a source of fractionated sea salt aerosol in the polar regions. <i>Geophysical Research Letters</i> , 2000 , 27, 3469-3472	4.9	121
239	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	3.9	118

238	Acceleration of snow melt in an Antarctic Peninsula ice core during the twentieth century. <i>Nature Geoscience</i> , 2013 , 6, 404-411	18.3	116
237	Factors controlling nitrate in ice cores: Evidence from the Dome C deep ice core. <i>Journal of Geophysical Research</i> , 2000 , 105, 20565-20572		116
236	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018 , 11, 474-485	18.3	115
235	Evidence for warmer interglacials in East Antarctic ice cores. <i>Nature</i> , 2009 , 462, 342-5	50.4	114
234	The record of global pollution in polar snow and ice. <i>Nature</i> , 1985 , 313, 535-540	50.4	112
233	Nitrate in Greenland and Antarctic ice cores: a detailed description of post-depositional processes. <i>Annals of Glaciology</i> , 2002 , 35, 209-216	2.5	109
232	Subsurface ice as a microbial habitat. <i>Geology</i> , 2006 , 34, 169	5	101
231	A tentative chronology for the EPICA Dome Concordia Ice Core. <i>Geophysical Research Letters</i> , 2001 , 28, 4243-4246	4.9	101
230	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		101
229	Concentrations and seasonal cycle of black carbon in aerosol at a coastal Antarctic station. <i>Journal of Geophysical Research</i> , 1998 , 103, 11033-11041		100
228	The role of Southern Ocean processes in orbital and millennial CO ₂ variations: A synthesis. <i>Quaternary Science Reviews</i> , 2010 , 29, 193-205	3.9	99
227	Southern Hemisphere westerly wind changes during the Last Glacial Maximum: model-data comparison. <i>Quaternary Science Reviews</i> , 2013 , 64, 104-120	3.9	98
226	Atmospheric near-surface nitrate at coastal Antarctic sites. <i>Journal of Geophysical Research</i> , 1998 , 103, 11007-11020		96
225	Antarctic snow record of southern hemisphere lead pollution. <i>Geophysical Research Letters</i> , 1994 , 21, 781-784	4.9	96
224	A review of sea ice proxy information from polar ice cores. <i>Quaternary Science Reviews</i> , 2013 , 79, 168-183.9		93
223	Nitrate in Polar Ice 1995 , 195-224		92
222	Glacial terminations as southern warmings without northern control. <i>Nature Geoscience</i> , 2009 , 2, 206-209.3		90
221	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	3.9	89

220	Henry's law constants for polychlorinated biphenyls: experimental determination and structure-property relationships. <i>Environmental Science & Technology</i> , 1990 , 24, 1751-1754	10.3	89
219	A year-long record of size-segregated aerosol composition at Halley, Antarctica. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		83
218	Antarctic snow record of cadmium, copper, and zinc content during the twentieth century. <i>Atmospheric Environment</i> , 1999 , 33, 1535-1541	5.3	82
217	BrO, blizzards, and drivers of polar tropospheric ozone depletion events. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 4639-4652	6.8	80
216	One hundred fifty-year record of lead isotopes in Antarctic snow from Coats Land. <i>Geochimica Et Cosmochimica Acta</i> , 2003 , 67, 693-708	5.5	78
215	The Carrington event not observed in most ice core nitrate records. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	77
214	Flow law for ice in polar ice sheets. <i>Nature</i> , 1985 , 314, 255-257	50.4	77
213	A simple rule to determine which insolation cycles lead to interglacials. <i>Nature</i> , 2017 , 542, 427-432	50.4	76
212	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	4.9	76
211	Snow chemistry across Antarctica. <i>Annals of Glaciology</i> , 2005 , 41, 167-179	2.5	75
210	Oxidized nitrogen chemistry and speciation in the Antarctic troposphere. <i>Journal of Geophysical Research</i> , 1999 , 104, 21355-21366		73
209	A two-phase model of electrical conduction in polar ice sheets. <i>Journal of Geophysical Research</i> , 1984 , 89, 9433		72
208	Proxies and measurement techniques for mineral dust in Antarctic ice cores. <i>Environmental Science & Technology</i> , 2008 , 42, 5675-81	10.3	71
207	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	6.8	70
206	The 8200 yr BP cold event in stable isotope records from the North Atlantic region. <i>Global and Planetary Change</i> , 2011 , 79, 288-302	4.2	69
205	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	6.8	69
204	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		69
203	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	3.9	67

202	The chemical basis for the electrical stratigraphy of ice. <i>Journal of Geophysical Research</i> , 1992 , 97, 1887-1896	66
201	Sea-salt aerosol response to climate change: Last Glacial Maximum, preindustrial, and doubled carbon dioxide climates. <i>Journal of Geophysical Research</i> , 2006 , 111,	65
200	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,	65
199	Causes of seasonal and daily variations in aerosol sea-salt concentrations at a coastal Antarctic station. <i>Atmospheric Environment</i> , 1998 , 32, 3669-3677	5.3 63
198	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	6.8 63
197	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	3.9 62
196	Signals of atmospheric pollution in polar snow and ice. <i>Antarctic Science</i> , 1990 , 2, 189-205	1.7 62
195	Interhemispheric coupling, the West Antarctic Ice Sheet and warm Antarctic interglacials. <i>Climate of the Past</i> , 2010 , 6, 431-443	3.9 60
194	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	6.6 60
193	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	5.3 59
192	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	4.9 59
191	Spatial variability of the major chemistry of the Antarctic ice sheet. <i>Annals of Glaciology</i> , 1994 , 20, 440-447	59
190	Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. <i>Elementa</i> , 2015 , 3,	3.6 59
189	Boreal fire records in Northern Hemisphere ice cores: a review. <i>Climate of the Past</i> , 2016 , 12, 2033-2059	3.9 58
188	Ice core evidence for the extent of past atmospheric CO ₂ change due to iron fertilisation. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9 57
187	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	57
186	Antarctic isotopic thermometer during a CO ₂ forced warming event. <i>Journal of Geophysical Research</i> , 2008 , 113,	56
185	The Location of Impurities in Antarctic Ice. <i>Annals of Glaciology</i> , 1988 , 11, 194-197	2.5 56

184	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		55
183	Vertical structure of Antarctic tropospheric ozone depletion events: characteristics and broader implications. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7775-7794	6.8	53
182	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,		53
181	Holocene electrical and chemical measurements from the EPICA Dome C ice core. <i>Annals of Glaciology</i> , 2000 , 30, 20-26	2.5	53
180	The Southern Hemisphere at glacial terminations: insights from the Dome C ice core. <i>Climate of the Past</i> , 2008 , 4, 345-356	3.9	53
179	Can we predict the duration of an interglacial?. <i>Climate of the Past</i> , 2012 , 8, 1473-1485	3.9	52
178	Distribution of soluble impurities in cold glacial ice. <i>Journal of Glaciology</i> , 2004 , 50, 311-324	3.4	51
177	Factors Controlling the Electrical Conductivity of Ice from the Polar Regions A Summary. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 6090-6094	3.4	50
176	Ice core records as sea ice proxies: An evaluation from the Weddell Sea region of Antarctica. <i>Journal of Geophysical Research</i> , 2007 , 112,		50
175	The transition from the Last Glacial Period in inland and near-coastal Antarctica. <i>Geophysical Research Letters</i> , 2000 , 27, 2673-2676	4.9	50
174	Greenland records of aerosol source and atmospheric lifetime changes from the Eemian to the Holocene. <i>Nature Communications</i> , 2018 , 9, 1476	17.4	48
173	Frost flowers in the laboratory: Growth, characteristics, aerosol, and the underlying sea ice. <i>Journal of Geophysical Research</i> , 2011 , 116,		48
172	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,		48
171	Millennial changes in North American wildfire and soil activity over the last glacial cycle. <i>Nature Geoscience</i> , 2015 , 8, 723-727	18.3	47
170	SEM studies of the morphology and chemistry of polar ice. <i>Microscopy Research and Technique</i> , 2003 , 62, 62-9	2.8	46
169	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	3.9	45
168	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	3.9	45
167	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		45

166	Ice sheets and nitrogen. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20130127	5.8	44
165	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	3.9	43
164	Coastal Antarctic aerosol and snowfall chemistry. <i>Journal of Geophysical Research</i> , 1998 , 103, 10927-10934		43
163	Frost flower surface area and chemistry as a function of salinity and temperature. <i>Journal of Geophysical Research</i> , 2009 , 114,		42
162	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	2.5	42
161	Heavy metal and sulphur emissions to the atmosphere from human activities in Antarctica. <i>Atmospheric Environment</i> , 1989 , 23, 1669-1675		42
160	The diurnal variability of atmospheric nitrogen oxides (NO and NO ₂) above the Antarctic Plateau driven by atmospheric stability and snow emissions. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 3045-3062	6.8	41
159	Evolution of chemical peak shapes in the Dome C, Antarctica, ice core. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		41
158	Comparison of Holocene electrical records from Dome C and Vostok, Antarctica. <i>Annals of Glaciology</i> , 1999 , 29, 89-93	2.5	41
157	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	6.8	40
156	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		40
155	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,		40
154	Spatial variability of the major chemistry of the Antarctic ice sheet		40
153	Antarctic aerosol and snowfall chemistry: implications for deep Antarctic ice-core chemistry. <i>Annals of Glaciology</i> , 1999 , 29, 66-72	2.5	39
152	Climate spectrum estimation in the presence of timescale errors. <i>Nonlinear Processes in Geophysics</i> , 2009 , 16, 43-56	2.9	38
151	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	2.5	38
150	Warm climate isotopic simulations: what do we learn about interglacial signals in Greenland ice cores?. <i>Quaternary Science Reviews</i> , 2013 , 67, 59-80	3.9	37
149	Anatomy of a Dansgaard-Oeschger warming transition: High-resolution analysis of the North Greenland Ice Core Project ice core. <i>Journal of Geophysical Research</i> , 2009 , 114,		37

148	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	3.7	37
147	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	4.4	36
146	Electrical response of the Summit-Greenland ice core to ammonium, sulphuric acid, and hydrochloric acid. <i>Geophysical Research Letters</i> , 1994 , 21, 565-568	4.9	36
145	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	7.8	36
144	A 308 year record of climate variability in West Antarctica. <i>Geophysical Research Letters</i> , 2013 , 40, 5492-5496	4.9	35
143	A technique for the examination of polar ice using the scanning electron microscope. <i>Journal of Microscopy</i> , 2002 , 205, 118-24	1.9	35
142	Volcanic synchronisation between the EPICA Dome C and Vostok ice cores (Antarctica) 0–45 kyr BP. <i>Climate of the Past</i> , 2012 , 8, 1031-1045	3.9	34
141	Constraints on soluble aerosol iron flux to the Southern Ocean at the Last Glacial Maximum. <i>Nature Communications</i> , 2015 , 6, 7850	17.4	33
140	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	4.9	33
139	Greenhouse gases in the Earth system: a palaeoclimate perspective. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 2133-47	3	33
138	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	2.5	33
137	Reactions on sulphuric acid aerosol and on polar stratospheric clouds in the Antarctic stratosphere. <i>Geophysical Research Letters</i> , 1991 , 18, 1007-1010	4.9	33
136	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	2.5	33
135	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,		31
134	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, 129-42	10.2	30
133	Investigating possible causes of the observed diurnal variability in Antarctic NO _y . <i>Geophysical Research Letters</i> , 1999 , 26, 2853-2856	4.9	30
132	First direct observation of sea salt aerosol production from blowing snow above sea ice. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2549-2578	6.8	29
131	Year-round records of bulk and size-segregated aerosol composition in central Antarctica (Concordia site) [Part 1: Fractionation of sea-salt particles. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 14039-14054	6.8	29

130	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1992 , 44, 351-357	3.3	29
129	Location, Movement and Reactions of Impurities in Solid Ice 1996 , 541-560		29
128	Synchronous timing of abrupt climate changes during the last glacial period. <i>Science</i> , 2020 , 369, 963-969	3.3	29
127	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	6.8	28
126	Large-scale features of Last Interglacial climate: results from evaluating the <i>CCSM</i> simulations for the Coupled Model Intercomparison Project (CMIP6) Paleoclimate Modeling Intercomparison Project (PMIP4). <i>Climate of the Past</i> , 2021 , 17, 63-94	3.9	28
125	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	6.8	27
124	Methane and nitrous oxide in the ice core record. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 1775-92	3	27
123	Signal variability in replicate ice cores. <i>Journal of Glaciology</i> , 2005 , 51, 462-468	3.4	27
122	The local deposition of heavy metal emissions from point sources in Antarctica. <i>Atmospheric Environment Part A General Topics</i> , 1993 , 27, 1833-1841		27
121	Sea-ice-free Arctic during the Last Interglacial supports fast future loss. <i>Nature Climate Change</i> , 2020 , 10, 928-932	21.4	27
120	Retrieving the paleoclimatic signal from the deeper part of the EPICA Dome C ice core. <i>Cryosphere</i> , 2015 , 9, 1633-1648	5.5	24
119	The Mid-Brunhes Event and West Antarctic ice sheet stability. <i>Journal of Quaternary Science</i> , 2011 , 26, 474-477	2.3	24
118	Recent Variations in Heavy Metal Concentrations in Firn and Air From the Antarctic Peninsula. <i>Annals of Glaciology</i> , 1982 , 3, 255-259	2.5	24
117	The multi-seasonal NO _y budget in coastal Antarctica and its link with surface snow and ice core nitrate: results from the CHABLIS campaign		23
116	Persistent influence of obliquity on ice age terminations since the Middle Pleistocene transition. <i>Science</i> , 2020 , 367, 1235-1239	3.3	22
115	Is a periglacial biota responsible for enhanced dielectric response in basal ice from the Greenland Ice Core Project ice core?. <i>Journal of Geophysical Research</i> , 1998 , 103, 18885-18894		21
114	Climate of the last million years: new insights from EPICA and other records. <i>Quaternary Science Reviews</i> , 2010 , 29, 1-7	3.9	20
113	Interpreting natural climate signals in ice cores. <i>Eos</i> , 1995 , 76, 477-477	1.5	20

112	Halogens and their role in polar boundary-layer ozone depletion		20
111	Measurement and interpretation of gas phase formaldehyde concentrations obtained during the CHABLIS campaign in coastal Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 4085-4093	6.8	19
110	Modeling the radio echo reflections inside the ice sheet at Summit, Greenland. <i>Journal of Geophysical Research</i> , 2002 , 107, EPM 6-1		19
109	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	3.9	18
108	Controls on the tropospheric oxidizing capacity during an idealized Dansgaard-Oeschger event, and their implications for the rapid rises in atmospheric methane during the last glacial period. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	18
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