

Eric W Wolff

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Marine Isotope Stage 11c: An unusual interglacial. <i>Quaternary Science Reviews</i> , 2022 , 284, 107493	3.9	2
272	New insights into the ~ 74 ka Toba eruption from sulfur isotopes of polar ice cores. <i>Climate of the Past</i> , 2021 , 17, 2119-2137	3.9	3
271	Antarctic Ice Sheet Elevation Impacts on Water Isotope Records During the Last Interglacial. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091412	4.9	1
270	A Refined Method to Analyze Insoluble Particulate Matter in Ice Cores, and Its Application to Diatom Sampling in the Antarctic Peninsula. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	3
269	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
268	Persistent influence of obliquity on ice age terminations since the Middle Pleistocene transition. <i>Science</i> , 2020 , 367, 1235-1239	33.3	22
267	Compositions of Dust and Sea Salts in the Dome C and Dome Fuji Ice Cores From Last Glacial Maximum to Early Holocene Based on Ice-Sublimation and Single-Particle Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD032208	4.4	4
266	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
265	Sea-ice-free Arctic during the Last Interglacial supports fast future loss. <i>Nature Climate Change</i> , 2020 , 10, 928-932	21.4	27
264	Synchronous timing of abrupt climate changes during the last glacial period. <i>Science</i> , 2020 , 369, 963-969	33.3	29
263	Organic Compounds in a Sub-Antarctic Ice Core: A Potential Suite of Sea Ice Markers. <i>Geophysical Research Letters</i> , 2019 , 46, 9930-9939	4.9	6
262	The penultimate deglaciation: protocol for Paleoclimate Modelling Intercomparison Project (PMIP) phase 4 transient numerical simulations between 140 and 127 ka, version 1.0. <i>Geoscientific Model Development</i> , 2019 , 12, 3649-3685	6.3	16
261	Direct Injection Liquid Chromatography High-Resolution Mass Spectrometry for Determination of Primary and Secondary Terrestrial and Marine Biomarkers in Ice Cores. <i>Analytical Chemistry</i> , 2019 , 91, 5051-5057	7.8	2
260	First direct observation of sea salt aerosol production from blowing snow above sea ice 2019 ,		4
259	Challenges and research priorities to understand interactions between climate, ice sheets and global mean sea level during past interglacials. <i>Quaternary Science Reviews</i> , 2019 , 219, 308-311	3.9	8
258	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	6.8	14
257	A new method for the determination of primary and secondary terrestrial and marine biomarkers in ice cores using liquid chromatography high-resolution mass spectrometry. <i>Talanta</i> , 2019 , 194, 233-242	6.2	5

256	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
255	Prospects for reconstructing paleoenvironmental conditions from organic compounds in polar snow and ice. <i>Quaternary Science Reviews</i> , 2018 , 183, 1-22	3.9	17
254	Evidence in Polar Ice Records 2018 , 151-156		1
253	Sea Ice Versus Storms: What Controls Sea Salt in Arctic Ice Cores?. <i>Geophysical Research Letters</i> , 2018 , 45, 5572-5580	4.9	12
252	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018 , 11, 474-485	18.3	115
251	A simple rule to determine which insolation cycles lead to interglacials. <i>Nature</i> , 2017 , 542, 427-432	50.4	76
250	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
249	The Spatial Structure of the 128 ka Antarctic Sea Ice Minimum. <i>Geophysical Research Letters</i> , 2017 , 44, 11,129	4.9	16
248	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
247	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
246	The Growth Response of Two Diatom Species to Atmospheric Dust from the Last Glacial Maximum. <i>PLoS ONE</i> , 2016 , 11, e0158553	3.7	4
245	Boreal fire records in Northern Hemisphere ice cores: a review. <i>Climate of the Past</i> , 2016 , 12, 2033-2059	3.9	58
244	Climate dependent contrast in surface mass balance in East Antarctica over the past 216 ka. <i>Journal of Glaciology</i> , 2016 , 62, 1037-1048	3.4	4
243	Impact of meltwater on high-latitude early Last Interglacial climate. <i>Climate of the Past</i> , 2016 , 12, 1919-1932	3.3	18
242	Comment on Low time resolution analysis of polar ice cores cannot detect impulsive nitrate events by D.F. Smart et al.. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1920-1924	2.6	12
241	Rising atmospheric methane: 2007-2014 growth and isotopic shift. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 1356-1370	5.9	257
240	Feedbacks on climate in the Earth system: introduction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015 , 373,	3	2
239	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

238	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
237	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
236	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
235	Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. <i>Elementa</i> , 2015 , 3,	3.6	59
234	HO ₂ and NO ₂ and HNO ₃ in the coastal Antarctic winter night: a "lab-in-the-field" experiment. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 11843-11851	6.8	9
233	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
232	Ice Sheets and the Anthropocene. <i>Geological Society Special Publication</i> , 2014 , 395, 255-263	1.7	10
231	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
230	Bayesian Layer Counting in Ice-Cores: Reconstructing the Time Scale. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014 , 121-125	0.2	
229	Exploration of a simple model for ice ages. <i>GEM - International Journal on Geomathematics</i> , 2013 , 4, 227-297	2.97	11
228	A 308 year record of climate variability in West Antarctica. <i>Geophysical Research Letters</i> , 2013 , 40, 5492-5496	4.96	35
227	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
226	Sea ice in the paleoclimate system: the challenge of reconstructing sea ice from proxies in an introduction. <i>Quaternary Science Reviews</i> , 2013 , 79, 1-8	3.9	67
225	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
224	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
223	Combining ice core records and ice sheet models to explore the evolution of the East Antarctic Ice sheet during the Last Interglacial period. <i>Global and Planetary Change</i> , 2013 , 100, 278-290	4.2	13
222	A review of sea ice proxy information from polar ice cores. <i>Quaternary Science Reviews</i> , 2013 , 79, 168-183.	3.9	93
221	Eemian interglacial reconstructed from a Greenland folded ice core. <i>Nature</i> , 2013 , 493, 489-94	50.4	474

220	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
219	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
218	Ice sheets and nitrogen. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20130127	5.8	44
217	PALEOCLIMATE Paleoclimate History of the Arctic 2013 , 113-125		2
216	The spatial scale of ozone depletion events derived from an autonomous surface ozone network in coastal Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 1457-1467	6.8	12
215	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
214	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
213	Evaluation of biospheric components in Earth system models using modern and palaeo-observations: the state-of-the-art. <i>Biogeosciences</i> , 2013 , 10, 8305-8328	4.6	10
212	An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120800 ka. <i>Climate of the Past</i> , 2013 , 9, 1715-1731	3.9	261
211	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
210	Chemical signals of past climate and environment from polar ice cores and firn air. <i>Chemical Society Reviews</i> , 2012 , 41, 6247-58	58.5	12
209	Modelling the liquid-water vein system within polar ice sheets as a potential microbial habitat. <i>Earth and Planetary Science Letters</i> , 2012 , 333-334, 238-249	5.3	17
208	Where might we find evidence of a Last Interglacial West Antarctic Ice Sheet collapse in Antarctic ice core records?. <i>Global and Planetary Change</i> , 2012 , 88-89, 64-75	4.2	17
207	Automated ice-core layer-counting with strong univariate signals. <i>Climate of the Past</i> , 2012 , 8, 1869-1879	3.9	17
206	Volcanic synchronisation between the EPICA Dome C and Vostok ice cores (Antarctica) 0045 kyr BP. <i>Climate of the Past</i> , 2012 , 8, 1031-1045	3.9	34
205	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
204	Can we predict the duration of an interglacial?. <i>Climate of the Past</i> , 2012 , 8, 1473-1485	3.9	52
203	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

202	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
201	The role of atomic chlorine in glacial-interglacial changes in the carbon-13 content of atmospheric methane. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	14
200	In search of an ice core signal to differentiate between source-driven and sink-driven changes in atmospheric methane. <i>Journal of Geophysical Research</i> , 2011 , 116,		13
199	Frost flowers in the laboratory: Growth, characteristics, aerosol, and the underlying sea ice. <i>Journal of Geophysical Research</i> , 2011 , 116,		48
198	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
197	Rapid climate change: lessons from the recent geological past. <i>Global and Planetary Change</i> , 2011 , 79, 157-162	4.2	18
196	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
195	Bayesian Glaciological Modelling to quantify uncertainties in ice core chronologies. <i>Quaternary Science Reviews</i> , 2011 , 30, 2961-2975	3.9	14
194	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
193	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
192	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
191	Clarifications about the concept and review process of Climate of the Past. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011 , 73, 2043	2	1
190	The Mid-Brunhes Event and West Antarctic ice sheet stability. <i>Journal of Quaternary Science</i> , 2011 , 26, 474-477	2.3	24
189	800,000 years of abrupt climate variability. <i>Science</i> , 2011 , 334, 347-51	33.3	259
188	Antarctic accumulation seasonality. <i>Nature</i> , 2011 , 479, E1-2; author reply E2-4	50.4	4
187	A network of autonomous surface ozone monitors in Antarctica: technical description and first results. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 645-658	4	11
186	Interhemispheric coupling, the West Antarctic Ice Sheet and warm Antarctic interglacials. <i>Climate of the Past</i> , 2010 , 6, 431-443	3.9	60
185	Searching for the Oldest Ice. <i>Eos</i> , 2010 , 91, 357	1.5	13

184	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
183	The role of Southern Ocean processes in orbital and millennial CO2 variations – A synthesis. <i>Quaternary Science Reviews</i> , 2010 , 29, 193-205	3.9	99
182	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
181	Atmospheric decadal variability from high-resolution Dome C ice core records of aerosol constituents beyond the Last Interglacial. <i>Quaternary Science Reviews</i> , 2010 , 29, 324-337	3.9	13
180	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
179	Millennial-scale variability during the last glacial: The ice core record. <i>Quaternary Science Reviews</i> , 2010 , 29, 2828-2838	3.9	360
178	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
177	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
176	History of sea ice in the Arctic. <i>Quaternary Science Reviews</i> , 2010 , 29, 1757-1778	3.9	295
175	Temperature and precipitation history of the Arctic. <i>Quaternary Science Reviews</i> , 2010 , 29, 1679-1715	3.9	203
174	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
173	Preface “Climate change: from the geological past to the uncertain future” – a symposium honouring Andr�Berger. <i>Climate of the Past</i> , 2009 , 5, 707-711	3.9	0
172	Climate spectrum estimation in the presence of timescale errors. <i>Nonlinear Processes in Geophysics</i> , 2009 , 16, 43-56	2.9	38
171	Evidence for warmer interglacials in East Antarctic ice cores. <i>Nature</i> , 2009 , 462, 342-5	50.4	114
170	Glacial terminations as southern warmings without northern control. <i>Nature Geoscience</i> , 2009 , 2, 206-209	8.3	90
169	Frost flower surface area and chemistry as a function of salinity and temperature. <i>Journal of Geophysical Research</i> , 2009 , 114,		42
168	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
167	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

166	BrO, blizzards, and drivers of polar tropospheric ozone depletion events. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 4639-4652	6.8	80
165	Antarctic isotopic thermometer during a CO2 forced warming event. <i>Journal of Geophysical Research</i> , 2008 , 113,		56
164	Proxies and measurement techniques for mineral dust in Antarctic ice cores. <i>Environmental Science & Technology</i> , 2008 , 42, 5675-81	10.3	71
163	Chapter 11 Late Pliocene-Pleistocene Antarctic Climate Variability at Orbital and Suborbital Scale: Ice Sheet, Ocean and Atmospheric Interactions. <i>Developments in Earth and Environmental Sciences</i> , 2008 , 465-529		4
162	A change in seasonality in Greenland during a Dansgaard-Deschger warming. <i>Annals of Glaciology</i> , 2008 , 48, 19-24	2.5	7
161	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
160	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
159	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
158	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
157	The past 800 ka viewed through Antarctic ice cores. <i>Episodes</i> , 2008 , 31, 219-221	1.6	9
156	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
155	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
154	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
153	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
152	"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
151	Orbital and millennial Antarctic climate variability over the past 800,000 years. <i>Science</i> , 2007 , 317, 793-633.3	33.3	1535
150	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
149	The EDC3 chronology for the EPICA Dome C ice core. <i>Climate of the Past</i> , 2007 , 3, 485-497	3.9	339

148	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 4329-4373	6.8	459
147	Halogens and their role in polar boundary-layer ozone depletion. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 4375-4418	6.8	494
146	Past atmospheric composition and chemistry from ice cores - progress and prospects. <i>Environmental Chemistry</i> , 2007 , 4, 211	3.2	3
145	The 8.2 ka event from Greenland ice cores. <i>Quaternary Science Reviews</i> , 2007 , 26, 70-81	3.9	289
144	When is the present? <i>Quaternary Science Reviews</i> , 2007 , 26, 3023-3024	3.9	9
143	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
142	A 44 kyr paleoroughness record of the Antarctic surface. <i>Journal of Geophysical Research</i> , 2006 , 111,		12
141	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
140	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
139	The future of ice core science. <i>Eos</i> , 2006 , 87, 39	1.5	5
138	Subsurface ice as a microbial habitat. <i>Geology</i> , 2006 , 34, 169	5	101
137	The challenge from ice cores: Understanding the climate and atmospheric composition of the late Quaternary. <i>European Physical Journal Special Topics</i> , 2006 , 139, 185-196		1
136	Etching channels and grain-boundary grooves on ice surfaces in the scanning electron microscope. <i>Journal of Glaciology</i> , 2006 , 52, 645-648	3.4	1
135	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
134	One-to-one coupling of glacial climate variability in Greenland and Antarctica. <i>Nature</i> , 2006 , 444, 195-8	50.4	966
133	Modeling past atmospheric CO ₂ : Results of a challenge. <i>Eos</i> , 2005 , 86, 341	1.5	16
132	Snow chemistry across Antarctica. <i>Annals of Glaciology</i> , 2005 , 41, 167-179	2.5	75
131	Signal variability in replicate ice cores. <i>Journal of Glaciology</i> , 2005 , 51, 462-468	3.4	27

130	Understanding the past-climate history from Antarctica. <i>Antarctic Science</i> , 2005 , 17, 487-495	1.7	13
129	Sensitivity of chemical species to climatic changes in the last 45 kyr as revealed by high-resolution Dome C (East Antarctica) ice-core analysis. <i>Annals of Glaciology</i> , 2004 , 39, 457-466	2.5	12
128	Eight glacial cycles from an Antarctic ice core. <i>Nature</i> , 2004 , 429, 623-8	50.4	1694
127	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
126	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
125	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
124	Distribution of soluble impurities in cold glacial ice. <i>Journal of Glaciology</i> , 2004 , 50, 311-324	3.4	51
123	The EPICA deep ice cores: first results and perspectives. <i>Annals of Glaciology</i> , 2004 , 39, 93-100	2.5	11
122	A reinterpretation of sea-salt records in Greenland and Antarctic ice cores?. <i>Annals of Glaciology</i> , 2004 , 39, 276-282	2.5	17
121	SEM studies of the morphology and chemistry of polar ice. <i>Microscopy Research and Technique</i> , 2003 , 62, 62-9	2.8	46
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		41
119	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
118	An ice core indicator of Antarctic sea ice production?. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	121
117	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
116	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
115	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
114	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
113	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

112	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
111	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
110	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
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