

# ValÃ©rie Masson-Delmotte

## List of Publications by Year in descending order

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247  
papers

35,368  
citations

5574

82  
h-index

3915

177  
g-index

332  
all docs

332  
docs citations

332  
times ranked

21738  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution record of Northern Hemisphere climate extending into the last interglacial period. <i>Nature</i> , 2004, 431, 147-151.	27.8	2,489
2	Eight glacial cycles from an Antarctic ice core. <i>Nature</i> , 2004, 429, 623-628.	27.8	2,015
3	Orbital and Millennial Antarctic Climate Variability over the Past 800,000 Years. <i>Science</i> , 2007, 317, 793-796.	12.6	1,880
4	One-to-one coupling of glacial climate variability in Greenland and Antarctica. <i>Nature</i> , 2006, 444, 195-198.	27.8	1,111
5	Continental-scale temperature variability during the past two millennia. <i>Nature Geoscience</i> , 2013, 6, 339-346.	12.9	954
6	Oxygen isotope and palaeotemperature records from six Greenland ice-core stations: Camp Century, Dye-3, GRIP, GISP2, Renland and NorthGRIP. <i>Journal of Quaternary Science</i> , 2001, 16, 299-307.	2.1	936
7	Target Atmospheric CO: Where Should Humanity Aim?. <i>The Open Atmospheric Science Journal</i> , 2008, 2, 217-231.	0.5	893
8	Orbital and millennial-scale features of atmospheric CH <sub>4</sub> over the past 800,000 years. <i>Nature</i> , 2008, 453, 383-386.	27.8	840
9	Stable Carbon Cycle-Climate Relationship During the Late Pleistocene. <i>Science</i> , 2005, 310, 1313-1317.	12.6	811
10	Evaluation of climate models using palaeoclimatic data. <i>Nature Climate Change</i> , 2012, 2, 417-424.	18.8	779
11	High-Resolution Greenland Ice Core Data Show Abrupt Climate Change Happens in Few Years. <i>Science</i> , 2008, 321, 680-684.	12.6	761
12	A review of climatic controls on $\delta^{18}O$ in precipitation over the Tibetan Plateau: Observations and simulations. <i>Reviews of Geophysics</i> , 2013, 51, 525-548.	23.0	654
13	Eemian interglacial reconstructed from a Greenland folded ice core. <i>Nature</i> , 2013, 493, 489-494.	27.8	565
14	Assessing "Dangerous Climate Change": Required Reduction of Carbon Emissions to Protect Young People, Future Generations and Nature. <i>PLoS ONE</i> , 2013, 8, e81648.	2.5	448
15	Six research priorities for cities and climate change. <i>Nature</i> , 2018, 555, 23-25.	27.8	446
16	Atmospheric Methane and Nitrous Oxide of the Late Pleistocene from Antarctic Ice Cores. <i>Science</i> , 2005, 310, 1317-1321.	12.6	424
17	Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2 Å°C global warming could be dangerous. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3761-3812.	4.9	421
18	Antarctic climate change and the environment: an update. <i>Polar Record</i> , 2014, 50, 237-259.	0.8	411

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19	The EDC3 chronology for the EPICA Dome C ice core. <i>Climate of the Past</i> , 2007, 3, 485-497.	3.4	396
20	Tibetan Plateau summer monsoon northward extent revealed by measurements of water stable isotopes. <i>Journal of Geophysical Research</i> , 2001, 106, 28081-28088.	3.3	383
21	Winter 2010 in Europe: A cold extreme in a warming climate. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	379
22	Monsoon changes for 6000 years ago: Results of 18 simulations from the Paleoclimate Modeling Intercomparison Project (PMIP). <i>Geophysical Research Letters</i> , 1999, 26, 859-862.	4.0	374
23	Interglacials of the last 800,000 years. <i>Reviews of Geophysics</i> , 2016, 54, 162-219.	23.0	359
24	Water-use efficiency and transpiration across European forests during the Anthropocene. <i>Nature Climate Change</i> , 2015, 5, 579-583.	18.8	357
25	Satellite climatology of African dust transport in the Mediterranean atmosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 13137-13144.	3.3	349
26	A Review of Antarctic Surface Snow Isotopic Composition: Observations, Atmospheric Circulation, and Isotopic Modeling*. <i>Journal of Climate</i> , 2008, 21, 3359-3387.	3.2	344
27	An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120–800 ka. <i>Climate of the Past</i> , 2013, 9, 1715-1731.	3.4	324
28	Synchronous Change of Atmospheric CO <sub>2</sub> and Antarctic Temperature During the Last Deglacial Warming. <i>Science</i> , 2013, 339, 1060-1063.	12.6	295
29	Holocene Climate Variability in Antarctica Based on 11 Ice-Core Isotopic Records. <i>Quaternary Research</i> , 2000, 54, 348-358.	1.7	291
30	GRIP Deuterium Excess Reveals Rapid and Orbital-Scale Changes in Greenland Moisture Origin. <i>Science</i> , 2005, 309, 118-121.	12.6	287
31	A model-tested North Atlantic Oscillation reconstruction for the past millennium. <i>Nature</i> , 2015, 523, 71-74.	27.8	255
32	Assessing recent trends in high-latitude Southern Hemisphere surface climate. <i>Nature Climate Change</i> , 2016, 6, 917-926.	18.8	253
33	Glacial–interglacial changes in ocean surface conditions in the Southern Hemisphere. <i>Nature</i> , 1999, 398, 410-413.	27.8	241
34	Past and future polar amplification of climate change: climate model intercomparisons and ice-core constraints. <i>Climate Dynamics</i> , 2006, 26, 513-529.	3.8	240
35	Magnitude of isotope/temperature scaling for interpretation of central Antarctic ice cores. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	239
36	Estimating Changes in Global Temperature since the Preindustrial Period. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1841-1856.	3.3	238

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37	Greenland temperature response to climate forcing during the last deglaciation. <i>Science</i> , 2014, 345, 1177-1180.	12.6	226
38	An Oceanic Cold Reversal During the Last Deglaciation. <i>Science</i> , 2001, 293, 2074-2077.	12.6	224
39	Estimates of volcanic-induced cooling in the Northern Hemisphere over the past 1,500 years. <i>Nature Geoscience</i> , 2015, 8, 784-788.	12.9	220
40	Expression of the bipolar see-saw in Antarctic climate records during the last deglaciation. <i>Nature Geoscience</i> , 2011, 4, 46-49.	12.9	212
41	EPICA Dome C record of glacial and interglacial intensities. <i>Quaternary Science Reviews</i> , 2010, 29, 113-128.	3.0	202
42	Water isotopes in precipitation. <i>Quaternary Science Reviews</i> , 2000, 19, 363-379.	3.0	196
43	The deuterium excess records of EPICA Dome C and Dronning Maud Land ice cores (East Antarctica). <i>Quaternary Science Reviews</i> , 2010, 29, 146-159.	3.0	195
44	Using palaeo-climate comparisons to constrain future projections in CMIP5. <i>Climate of the Past</i> , 2014, 10, 221-250.	3.4	193
45	A Roadmap for Using the UN Decade of Ocean Science for Sustainable Development in Support of Science, Policy, and Action. <i>One Earth</i> , 2020, 2, 34-42.	6.8	191
46	Young people's burden: requirement of negative CO <sub>2</sub> emissions. <i>Earth System Dynamics</i> , 2017, 8, 577-616.	7.1	189
47	Wood Cellulose Preparation Methods and Mass Spectrometric Analyses of <sup>13</sup> C, <sup>18</sup> O, and Nonexchangeable <sup>2</sup> H Values in Cellulose, Sugar, and Starch: An Interlaboratory Comparison. <i>Analytical Chemistry</i> , 2007, 79, 4603-4612.	6.5	185
48	Signal strength and climate calibration of a European tree-ring isotope network. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	180
49	Choosing the future of Antarctica. <i>Nature</i> , 2018, 558, 233-241.	27.8	172
50	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018, 11, 474-485.	12.9	166
51	Continuous monitoring of summer surface water vapor isotopic composition above the Greenland Ice Sheet. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4815-4828.	4.9	155
52	Stable water isotopes in atmospheric general circulation models. <i>Hydrological Processes</i> , 2000, 14, 1385-1406.	2.6	153
53	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.	3.0	146
54	Antarctic climate variability on regional and continental scales over the last 2000 years. <i>Climate of the Past</i> , 2017, 13, 1609-1634.	3.4	145

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55	Millennial and sub-millennial scale climatic variations recorded in polar ice cores over the last glacial period. <i>Climate of the Past</i> , 2010, 6, 345-365.	3.4	143
56	What caused Earth's temperature variations during the last 800,000 years? Data-based evidence on radiative forcing and constraints on climate sensitivity. <i>Quaternary Science Reviews</i> , 2010, 29, 129-145.	3.0	143
57	A new 27 ky high resolution East Antarctic climate record. <i>Geophysical Research Letters</i> , 2001, 28, 3199-3202.	4.0	140
58	1-D-ice flow modelling at EPICA Dome C and Dome Fuji, East Antarctica. <i>Climate of the Past</i> , 2007, 3, 243-259.	3.4	135
59	A comparison of the present and last interglacial periods in six Antarctic ice cores. <i>Climate of the Past</i> , 2011, 7, 397-423.	3.4	131
60	Climate response to the Samalas volcanic eruption in 1257 revealed by proxy records. <i>Nature Geoscience</i> , 2017, 10, 123-128.	12.9	130
61	Understanding the climatic signal in the water stable isotope records from the NEEM shallow firn/ice cores in northwest Greenland. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	126
62	Sequence of events from the onset to the demise of the Last Interglacial: Evaluating strengths and limitations of chronologies used in climatic archives. <i>Quaternary Science Reviews</i> , 2015, 129, 1-36.	3.0	126
63	The last deglaciation: timing the bipolar seesaw. <i>Climate of the Past</i> , 2011, 7, 671-683.	3.4	122
64	What controls the isotopic composition of Greenland surface snow?. <i>Climate of the Past</i> , 2014, 10, 377-392.	3.4	121
65	Collapsing glaciers threaten Asia's water supplies. <i>Nature</i> , 2019, 565, 19-21.	27.8	121
66	Relative Timing of Deglacial Climate Events in Antarctica and Greenland. <i>Science</i> , 2002, 297, 1862-1864.	12.6	117
67	Connection between South Mediterranean climate and North African atmospheric circulation during the last 50,000yrBP North Atlantic cold events. <i>Quaternary Science Reviews</i> , 2007, 26, 3197-3215.	3.0	115
68	The GRIP deuterium-excess record. <i>Quaternary Science Reviews</i> , 2007, 26, 1-17.	3.0	113
69	Interannual variability of Greenland winter precipitation sources: 2. Effects of North Atlantic Oscillation variability on stable isotopes in precipitation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	113
70	A continuous record of temperature evolution over a sequence of Dansgaard-Oeschger events during Marine Isotopic Stage 4 (76 to 62 kyr BP). <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	108
71	Water isotopes as tools to document oceanic sources of precipitation. <i>Water Resources Research</i> , 2013, 49, 7469-7486.	4.2	108
72	Bidecadal North Atlantic ocean circulation variability controlled by timing of volcanic eruptions. <i>Nature Communications</i> , 2015, 6, 6545.	12.8	101

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73	Holocene climate evolution in the high-latitude Southern Hemisphere simulated by a coupled atmosphere-sea ice-ocean-vegetation model. <i>Holocene</i> , 2005, 15, 951-964.	1.7	100
74	Climatic controls on water vapor deuterium excess in the marine boundary layer of the North Atlantic based on 500 days of in situ, continuous measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7741-7756.	4.9	100
75	Firn-air $\delta^{15}\text{N}$ in modern polar sites and glacial-interglacial ice: a model-data mismatch during glacial periods in Antarctica?. <i>Quaternary Science Reviews</i> , 2006, 25, 49-62.	3.0	99
76	The changes in isotope composition and accumulation of snow at Vostok station, East Antarctica, over the past 200 years. <i>Annals of Glaciology</i> , 2004, 39, 569-575.	1.4	98
77	What drives the millennial and orbital variations of $\delta^{18}\text{O}_{\text{atm}}$ ?. <i>Quaternary Science Reviews</i> , 2010, 29, 235-246.	3.0	98
78	Ranges of moisture-source temperature estimated from Antarctic ice cores stable isotope records over glacial-interglacial cycles. <i>Climate of the Past</i> , 2012, 8, 1109-1125.	3.4	98
79	A 420,000 year deuterium excess record from East Antarctica: Information on past changes in the origin of precipitation at Vostok. <i>Journal of Geophysical Research</i> , 2001, 106, 31863-31873.	3.3	97
80	Past temperature reconstructions from deep ice cores: relevance for future climate change. <i>Climate of the Past</i> , 2006, 2, 145-165.	3.4	95
81	TALDICE-1 age scale of the Talos Dome deep ice core, East Antarctica. <i>Climate of the Past</i> , 2011, 7, 1-16.	3.4	93
82	Spatial and temporal variability in isotope composition of recent snow in the vicinity of Vostok station, Antarctica: implications for ice-core record interpretation. <i>Annals of Glaciology</i> , 2002, 35, 181-186.	1.4	92
83	Precipitation Water Stable Isotopes in the South Tibetan Plateau: Observations and Modeling*. <i>Journal of Climate</i> , 2011, 24, 3161-3178.	3.2	91
84	Sensitivity of simulated Asian and African summer monsoons to orbitally induced variations in insolation 126, 115 and 6 kBP. <i>Climate Dynamics</i> , 1996, 12, 589-603.	3.8	89
85	Synchronising EDML and NorthGRIP ice cores using $\delta^{18}\text{O}$ of atmospheric oxygen ( $\delta^{18}\text{O}_{\text{atm}}$ ) and $\text{CH}_4$ measurements over MIS5 (80-123 kyr). <i>Quaternary Science Reviews</i> , 2010, 29, 222-234.	3.0	89
86	Changes in European precipitation seasonality and in drought frequencies revealed by a four-century-long tree-ring isotopic record from Brittany, western France. <i>Climate Dynamics</i> , 2005, 24, 57-69.	3.8	88
87	Holocene climatic changes in Greenland: Different deuterium excess signals at Greenland Ice Core Project (GRIP) and NorthGRIP. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	88
88	The isotopic composition of water vapour and precipitation in Ivittuut, southern Greenland. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4419-4439.	4.9	86
89	Relationships between $\delta^{18}\text{O}$ in precipitation and surface air temperature in the Urumqi River Basin, East Tianshan Mountains, China. <i>Geophysical Research Letters</i> , 1999, 26, 3473-3476.	4.0	84
90	Common millennial-scale variability of Antarctic and Southern Ocean temperatures during the past 5000 years reconstructed from the EPICA Dome C ice core. <i>Holocene</i> , 2004, 14, 145-151.	1.7	84

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91	Mid-Holocene climate in Europe: what can we infer from PMIP model-data comparisons?. <i>Climate Dynamics</i> , 1999, 15, 163-182.	3.8	83
92	A late-glacial high-resolution site and source temperature record derived from the EPICA Dome C isotope records (East Antarctica). <i>Earth and Planetary Science Letters</i> , 2004, 217, 183-195.	4.4	83
93	Triple isotopic composition of oxygen in surface snow and water vapor at NEEM (Greenland). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 304-316.	3.9	82
94	Holocene hydrological cycle changes in the Southern Hemisphere documented in East Antarctic deuterium excess records. <i>Climate Dynamics</i> , 2001, 17, 503-513.	3.8	80
95	Quantification of rapid temperature change during DO event 12 and phasing with methane inferred from air isotopic measurements. <i>Earth and Planetary Science Letters</i> , 2004, 225, 221-232.	4.4	80
96	Reconstruction of past precipitation $\delta^{18}O$ using tree-ring cellulose $\delta^{18}O$ and $\delta^{13}C$ : A calibration study near Lac d'Annecy, France. <i>Earth and Planetary Science Letters</i> , 2006, 243, 439-448.	4.4	80
97	Deglaciation records of $\delta^{17}O$ -excess in East Antarctica: reliable reconstruction of oceanic normalized relative humidity from coastal sites. <i>Climate of the Past</i> , 2012, 8, 1-16.	3.4	80
98	The summer 2012 Greenland heat wave: In situ and remote sensing observations of water vapor isotopic composition during an atmospheric river event. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2970-2989.	3.3	78
99	Transferring radiometric dating of the last interglacial sea level high stand to marine and ice core records. <i>Earth and Planetary Science Letters</i> , 2008, 265, 183-194.	4.4	75
100	What controls precipitation $\delta^{18}O$ in the southern Tibetan Plateau at seasonal and intra-seasonal scales? A case study at Lhasa and Nyalam. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 65, 21043.	1.6	75
101	Anomalous flow below 2700 m in the EPICA Dome C ice core detected using $\delta^{18}O$ of atmospheric oxygen measurements. <i>Climate of the Past</i> , 2007, 3, 341-353.	3.4	74
102	Abrupt change of Antarctic moisture origin at the end of Termination II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12091-12094.	7.1	71
103	A seasonal deuterium excess signal at Law Dome, coastal eastern Antarctica: A southern ocean signature. <i>Journal of Geophysical Research</i> , 2000, 105, 7187-7197.	3.3	68
104	Spatial gradients of temperature, accumulation and $\delta^{18}O$ -ice in Greenland over a series of Dansgaard-Oeschger events. <i>Climate of the Past</i> , 2013, 9, 1029-1051.	3.4	67
105	Moisture sources and synoptic to seasonal variability of North Atlantic water vapor isotopic composition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5757-5774.	3.3	67
106	Holocene sea ice variability driven by wind and polynya efficiency in the Ross Sea. <i>Nature Communications</i> , 2017, 8, 1334.	12.8	67
107	Impact of atmospheric convection on south Tibet summer precipitation isotopologue composition using a combination of in situ measurements, satellite data, and atmospheric general circulation modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3852-3871.	3.3	66
108	Reconstruction of summer droughts using tree-ring cellulose isotopes: a calibration study with living oaks from Brittany (western France). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2004, 56, 160-174.	1.6	65

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109	The glacial inception as recorded in the NorthGRIP Greenland ice core: timing, structure and associated abrupt temperature changes. <i>Climate Dynamics</i> , 2006, 26, 273-284.	3.8	63
110	A review of the bipolar seesaw from synchronized and high resolution ice core water stable isotope records from Greenland and East Antarctica. <i>Quaternary Science Reviews</i> , 2015, 114, 18-32.	3.0	63
111	Understanding the $\delta^{17}\text{O}$ excess glacial-interglacial variations in Vostok precipitation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	62
112	Three-year monitoring of stable isotopes of precipitation at Concordia Station, East Antarctica. <i>Cryosphere</i> , 2016, 10, 2415-2428.	3.9	62
113	New MIS 19 EPICA Dome C high resolution deuterium data: Hints for a problematic preservation of climate variability at sub-millennial scale in the oldest ice. <i>Earth and Planetary Science Letters</i> , 2010, 298, 95-103.	4.4	60
114	Can climate variations be inferred from tree-ring parameters and stable isotopes from <i>Larix decidua</i> ? Juvenile effects, budmoth outbreaks, and divergence issue. <i>Earth and Planetary Science Letters</i> , 2011, 309, 221-233.	4.4	59
115	Sensitivity of interglacial Greenland temperature and $\delta^{18}\text{O}$ ice core data, orbital and increased $\text{CO}_2$ climate simulations. <i>Climate of the Past</i> , 2011, 7, 1041-1059.	3.4	59
116	Modeling the water isotopes in Greenland precipitation 1959-2001 with the meso-scale model REMO-iso. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	58
117	Recent southern Indian Ocean climate variability inferred from a Law Dome ice core: new insights for the interpretation of coastal Antarctic isotopic records. <i>Climate Dynamics</i> , 2003, 21, 153-166.	3.8	57
118	The Southern Hemisphere at glacial terminations: insights from the Dome C ice core. <i>Climate of the Past</i> , 2008, 4, 345-356.	3.4	57
119	A tentative reconstruction of the last interglacial and glacial inception in Greenland based on new gas measurements in the Greenland Ice Core Project (GRIP) ice core. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	56
120	Vulnerability of two European lakes in response to future climatic changes. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	55
121	A bi-proxy reconstruction of Fontainebleau (France) growing season temperature from A.D. 1596 to 2000. <i>Climate of the Past</i> , 2008, 4, 91-106.	3.4	55
122	The origin of Antarctic precipitation: a modelling approach. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 19.	1.6	54
123	A late medieval warm period in the Southern Ocean as a delayed response to external forcing?. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	54
124	Sampling strategy and climatic implications of tree-ring stable isotopes on the southeast Tibetan Plateau. <i>Earth and Planetary Science Letters</i> , 2011, 301, 307-316.	4.4	54
125	Evaluating the skills of isotope-enabled general circulation models against in situ atmospheric water vapor isotope observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 246-263.	3.3	54
126	Isotopic exchange on the diurnal scale between near-surface snow and lower atmospheric water vapor at Kohonen station, East Antarctica. <i>Cryosphere</i> , 2016, 10, 1647-1663.	3.9	53



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127	Changes in atmospheric CO <sub>2</sub> and its carbon isotopic ratio during the penultimate deglaciation. <i>Quaternary Science Reviews</i> , 2010, 29, 1983-1992.	3.0	52
128	Are We Reaching the Limits of Homo sapiens?. <i>Frontiers in Physiology</i> , 2017, 8, 812.	2.8	52
129	Asynchrony between Antarctic temperature and CO <sub>2</sub> associated with obliquity over the past 720,000 years. <i>Nature Communications</i> , 2018, 9, 961.	12.8	51
130	The origin of Antarctic precipitation: a modelling approach. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000, 52, 19-36.	1.6	50
131	Modeling the isotopic composition of Antarctic snow using backward trajectories: Simulation of snow pit records. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	50
132	Recent Progress and Emerging Topics on Weather and Climate Extremes Since the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. <i>Annual Review of Environment and Resources</i> , 2018, 43, 35-59.	13.4	50
133	Evidence for a three-phase sequence during Heinrich Stadial 4 using a multiproxy approach based on Greenland ice core records. <i>Climate of the Past</i> , 2014, 10, 2115-2133.	3.4	49
134	French summer droughts since 1326ÂCE: a reconstruction based on tree ring cellulose $\delta^{18}O$ . <i>Climate of the Past</i> , 2016, 3.4, 12, 1101-1117.		49
135	Simulation of intense monsoons under glacial conditions. <i>Geophysical Research Letters</i> , 2000, 27, 1747-1750.	4.0	48
136	Atmospheric influence on the deuterium excess signal in polar firn: implications for ice-core interpretation. <i>Journal of Glaciology</i> , 2008, 54, 117-124.	2.2	48
137	Firn processes and $\delta^{15}N$ : potential for a gas-phase climate proxy. <i>Quaternary Science Reviews</i> , 2010, 29, 28-42.	3.0	48
138	Continuous measurements of atmospheric water vapour isotopes in western Siberia (Kourovka). <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1763-1776.	3.1	48
139	Temperature trends during the Present and Last Interglacial periods " a multi-model-data comparison. <i>Quaternary Science Reviews</i> , 2014, 99, 224-243.	3.0	48
140	Tree age, site and climate controls on tree ring cellulose $\delta^{18}O$ : A case study on oak trees from south-western France. <i>Dendrochronologia</i> , 2014, 32, 78-89.	2.2	48
141	Archival processes of the water stable isotope signal in East Antarctic ice cores. <i>Cryosphere</i> , 2018, 12, 1745-1766.	3.9	48
142	Continuous measurements of isotopic composition of water vapour on the East Antarctic Plateau. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8521-8538.	4.9	47
143	Reconciling glacial Antarctic water stable isotopes with ice sheet topography and the isotopic paleothermometer. <i>Nature Communications</i> , 2018, 9, 3537.	12.8	47
144	Validity of the isotopic thermometer in central Antarctica: Limited impact of glacial precipitation seasonality and moisture origin. <i>Geophysical Research Letters</i> , 2000, 27, 2677-2680.	4.0	45

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145	On the gas-ice depth difference ( $\delta$ depth) along the EPICA Dome C ice core. <i>Climate of the Past</i> , 2012, 8, 1239-1255.	3.4	45
146	ENSO Effects on Annual Variations of Summer Precipitation Stable Isotopes in Lhasa, Southern Tibetan Plateau. <i>Journal of Climate</i> , 2018, 31, 1173-1182.	3.2	44
147	Summer maximum temperature in northern France over the past century: instrumental data versus multiple proxies (tree-ring isotopes, grape harvest dates and forest fires). <i>Climatic Change</i> , 2009, 94, 429-456.	3.6	43
148	Volcanic synchronisation between the EPICA Dome C and Vostok ice cores (Antarctica) 0–145 kyr BP. <i>Climate of the Past</i> , 2012, 8, 1031-1045.	3.4	43
149	Towards orbital dating of the EPICA Dome C ice core using $\delta^{18}O$ and $\delta^{15}N$ . <i>Climate of the Past</i> , 2012, 8, 191-203.	3.4	43
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.	3.0	43
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