ValÃ©rie Masson-Delmotte

List of Publications by Year
in descending order

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	The origin of Antarctic precipitation: a modelling approach. Tellus, Series B: Chemical and Physical Meteorology, 2022, 52, 19.	1.6	54
2	Reconstruction of summer droughts using tree-ring cellulose isotopes: a calibration study with living oaks from Brittany (western France). Tellus, Series B: Chemical and Physical Meteorology, 2022, 56, 160.	1.6	22
3	What controls precipitation Î´¹⁸O in the southern Tibetan Plateau at seasonal and intra-seasonal scales? A case study at Lhasa and Nyalam. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 21043.	1.6	75
4	A 120,000-year long climate record from a NW-Greenland deep ice core at ultra-high resolution. Scientific Data, 2021, 8, 141.	5.3	28
5	Air-Ice Interface: Polar Ice. Frontiers in Earth Sciences, 2021, , 145-149.	0.1	0
6	Interglacial Antarcticâ€“Southern Ocean climate decoupling due to moisture source area shifts. Nature Geoscience, 2021, 14, 918-923.	12.9	12
7	A Roadmap for Using the UN Decade of Ocean Science for Sustainable Development in Support of Science, Policy, and Action. One Earth, 2020, 2, 34-42.	6.8	191
8	A 4.5 Yearâ€Long Record of Svalbard Water Vapor Isotopic Composition Documents Winter Air Mass Origin. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032681.	3.3	6
9	Assessing the robustness of Antarctic temperature reconstructions over the past 2Âmillennia using pseudoproxy and data assimilation experiments. Climate of the Past, 2019, 15, 661-684.	3.4	21
10	Challenges associated with the climatic interpretation of water stable isotope records from a highly resolved firn core from AdÃ©lie Land, coastal Antarctica. Cryosphere, 2019, 13, 1297-1324.	3.9	21
11	Spatioâ€temporal patterns of tree growth as related to carbon isotope fractionation in European forests under changing climate. Global Ecology and Biogeography, 2019, 28, 1295-1309.	5.8	35
12	Influence of Summer Sublimation on Î´D, Î´¹⁸O, and Î´¹⁷O in Precipitation, East Antarctica, and Implications for Climate Reconstruction From Ice Cores. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7339-7358.	3.3	20
13	Coastal water vapor isotopic composition driven by katabatic wind variability in summer at Dumont d'Urville, coastal East Antarctica. Earth and Planetary Science Letters, 2019, 514, 37-47.	4.4	14
14	Unveiling the anatomy of Termination 3 using water and air isotopes in the Dome C ice core, East Antarctica. Quaternary Science Reviews, 2019, 211, 156-165.	3.0	5
15	Summer Temperature over the Tibetan Plateau Modulated by Atlantic Multidecadal Variability. Journal of Climate, 2019, 32, 4055-4067.	3.2	22
16	Collapsing glaciers threaten Asiaâ€™s water supplies. Nature, 2019, 565, 19-21.	27.8	121
17	Asynchrony between Antarctic temperature and CO2 associated with obliquity over the past 720,000 years. Nature Communications, 2018, 9, 961.	12.8	51
18	The response of relative humidity to centennial-scale warming over the southeastern Tibetan Plateau inferred from tree-ring width chronologies. Climate Dynamics, 2018, 51, 3735-3746.	3.8	8

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19	ENSO Effects on Annual Variations of Summer Precipitation Stable Isotopes in Lhasa, Southern Tibetan Plateau. Journal of Climate, 2018, 31, 1173-1182.	3.2	44
20	Archival processes of the water stable isotope signal in East Antarctic ice cores. Cryosphere, 2018, 12, 1745-1766.	3.9	48
21	Ice core evidence for decoupling between midlatitude atmospheric water cycle and Greenland temperature during the last deglaciation. Climate of the Past, 2018, 14, 1405-1415.	3.4	29
22	Recent Progress and Emerging Topics on Weather and Climate Extremes Since the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Annual Review of Environment and Resources, 2018, 43, 35-59.	13.4	50
23	Reconciling glacial Antarctic water stable isotopes with ice sheet topography and the isotopic paleothermometer. Nature Communications, 2018, 9, 3537.	12.8	47
24	Palaeoclimate constraints on the impact of 2 Â°C anthropogenic warming and beyond. Nature Geoscience, 2018, 11, 474-485.	12.9	166
25	Water stable isotope spatio-temporal variability in Antarctica in 1960â€“2013: observations and simulations from the ECHAM5-wiso atmospheric general circulation model. Climate of the Past, 2018, 14, 923-946.	3.4	26
26	Six research priorities for cities and climate change. Nature, 2018, 555, 23-25.	27.8	446
27	Ocean as the main driver of Antarctic ice sheet retreat during the Holocene. Global and Planetary Change, 2018, 166, 62-74.	3.5	17
28	The influence of volcanic eruptions on weather regimes over the North Atlantic simulated by ECHAM5/MPI-OM ensemble runs from 800 to 2000â€¯CE. Atmospheric Research, 2018, 213, 211-223.	4.1	4
29	Choosing the future of Antarctica. Nature, 2018, 558, 233-241.	27.8	172
30	Climate response to the Samalas volcanic eruption in 1257 revealed by proxy records. Nature Geoscience, 2017, 10, 123-128.	12.9	130
31	Evaluating the skills of isotopeâ€enabled general circulation models against in situ atmospheric water vapor isotope observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 246-263.	3.3	54
32	Estimating Changes in Global Temperature since the Preindustrial Period. Bulletin of the American Meteorological Society, 2017, 98, 1841-1856.	3.3	238
33	The recent warming trend in North Greenland. Geophysical Research Letters, 2017, 44, 6235-6243.	4.0	40
34	Surface studies of water isotopes in Antarctica for quantitative interpretation of deep ice core data. Comptes Rendus - Geoscience, 2017, 349, 139-150.	1.2	17
35	Holocene sea ice variability driven by wind and polynya efficiency in the Ross Sea. Nature Communications, 2017, 8, 1334.	12.8	67
36	Regional seesaw between the North Atlantic and Nordic Seas during the last glacial abrupt climate events. Climate of the Past, 2017, 13, 729-739.	3.4	10

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37	Are We Reaching the Limits of Homo sapiens?. Frontiers in Physiology, 2017, 8, 812.	2.8	52
38	Young people's burden: requirement of negative CO₂ emissions. Earth System Dynamics, 2017, 8, 577-616.	7.1	189
39	A 60-year ice-core record of regional climate from AdÃ©lie Land, coastal Antarctica. Cryosphere, 2017, 11, 343-362.	3.9	24
40	The influence of the synoptic regime on stable water isotopes in precipitation at DomeÂC, East Antarctica. Cryosphere, 2017, 11, 2345-2361.	3.9	12
41	Antarctic climate variability on regional and continental scales over the last 2000Âyears. Climate of the Past, 2017, 13, 1609-1634.	3.4	145
42	Is there 1.5-million-year-old ice near DomeÂC, Antarctica?. Cryosphere, 2017, 11, 2427-2437.	3.9	36
43	Large-scale drivers of Caucasus climate variability in meteorological records and Mt El'brus ice cores. Climate of the Past, 2017, 13, 473-489.	3.4	15
44	Climatic variability in Princess Elizabeth Land (East Antarctica) over the last 350 years. Climate of the Past, 2017, 13, 61-71.	3.4	23
45	Isotopic exchange on the diurnal scale between near-surface snow and lower atmospheric water vapor at Kohnen station, East Antarctica. Cryosphere, 2016, 10, 1647-1663.	3.9	53
46	Three-year monitoring of stable isotopes of precipitation at Concordia Station, East Antarctica. Cryosphere, 2016, 10, 2415-2428.	3.9	62
47	French summer droughts since 1326ÂCE: a reconstruction based on tree ring cellulose <i>Î´</i>¹⁸O. Climate of the Past, 2016, 12, 1101-1117.	3.4	49
48	Phase relationships between orbital forcing and the composition of air trapped in Antarctic ice cores. Climate of the Past, 2016, 12, 729-748.	3.4	13
49	Climate dependent contrast in surface mass balance in East Antarctica over the past 216 ka. Journal of Glaciology, 2016, 62, 1037-1048.	2.2	8
50	How warm was Greenland during the last interglacial period?. Climate of the Past, 2016, 12, 1933-1948.	3.4	30
51	Water and carbon stable isotope records from natural archives: a new database and interactive online platform for data browsing, visualizing and downloading. Climate of the Past, 2016, 12, 1693-1719.	3.4	6
52	Paradoxical cold conditions during the medieval climate anomaly in the Western Arctic. Scientific Reports, 2016, 6, 32984.	3.3	31
53	Interglacials of the last 800,000â€‰years. Reviews of Geophysics, 2016, 54, 162-219.	23.0	359
54	Application of eco-physiological models to the climatic interpretation of Î´13C and Î´18O measured in Siberian larch tree-rings. Dendrochronologia, 2016, 39, 51-59.	2.2	21

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55	Assessing recent trends in high-latitude Southern Hemisphere surface climate. Nature Climate Change, 2016, 6, 917-926.	18.8	253
56	Influence of largeâ€scale atmospheric circulation on marine air intrusion toward the East Antarctic coast. Geophysical Research Letters, 2016, 43, 9298-9305.	4.0	25
57	Precipitation regime and stable isotopes at Dome Fuji, East Antarctica. Atmospheric Chemistry and Physics, 2016, 16, 6883-6900.	4.9	24
58	Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2 Â°C global warming could be dangerous. Atmospheric Chemistry and Physics, 2016, 16, 3761-3812.	4.9	421
59	Continuous measurements of isotopic composition of water vapour on the East Antarctic Plateau. Atmospheric Chemistry and Physics, 2016, 16, 8521-8538.	4.9	47
60	Identification of Air Masses Responsible for Warm Events on the East Antarctic Coast. Scientific Online Letters on the Atmosphere, 2016, 12, 307-313.	1.4	7
61	Southern Tibetan Plateau ice core Î´18O reflects abrupt shifts in atmospheric circulation in the late 1970s. Climate Dynamics, 2016, 46, 291-302.	3.8	26
62	Sequence of events from the onset to the demise of the Last Interglacial: Evaluating strengths and limitations of chronologies usedÂin climatic archives. Quaternary Science Reviews, 2015, 129, 1-36.	3.0	126
63	Moisture sources and synoptic to seasonal variability of North Atlantic water vapor isotopic composition. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5757-5774.	3.3	67
64	Recent changes in north-west Greenland climate documented by NEEM shallow ice core data and simulations, and implications for past-temperature reconstructions. Cryosphere, 2015, 9, 1481-1504.	3.9	41
65	Retrieving the paleoclimatic signal from the deeper part of the EPICA Dome C ice core. Cryosphere, 2015, 9, 1633-1648.	3.9	32
66	IceChrono1: a probabilistic model to compute a common and optimal chronology for several ice cores. Geoscientific Model Development, 2015, 8, 1473-1492.	3.6	18
67	Spatial distribution of 17O-excess in surface snow along a traverse from Zhongshan station to Dome A, East Antarctica. Earth and Planetary Science Letters, 2015, 414, 126-133.	4.4	33
68	Unprecedented recent warming rate and temperature variability over the east Tibetan Plateau inferred from Alpine treeline dendrochronology. Climate Dynamics, 2015, 45, 1367-1380.	3.8	33
69	A model-tested North Atlantic Oscillation reconstruction for the past millennium. Nature, 2015, 523, 71-74.	27.8	255
70	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. Journal of Geophysical Research D: Atmospheres, 2015, 120, 3852-3871.	3.3	66
71	A review of the bipolar seeâ€“saw from synchronized and high resolution ice core water stable isotope records from Greenland and East Antarctica. Quaternary Science Reviews, 2015, 114, 18-32.	3.0	63
72	Water-use efficiency and transpiration across European forests during the Anthropocene. Nature Climate Change, 2015, 5, 579-583.	18.8	357

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73	Bidecadal North Atlantic ocean circulation variability controlled by timing of volcanic eruptions. Nature Communications, 2015, 6, 6545.	12.8	101
74	The summer 2012 Greenland heat wave: In situ and remote sensing observations of water vapor isotopic composition during an atmospheric river event. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2970-2989.	3.3	78
75	Estimates of volcanic-induced cooling in the Northern Hemisphere over the past 1,500 years. Nature Geoscience, 2015, 8, 784-788.	12.9	220
76	Evidence for a three-phase sequence during Heinrich Stadial 4 using a multiproxy approach based on Greenland ice core records. Climate of the Past, 2014, 10, 2115-2133.	3.4	49
77	Continuous measurements of atmospheric water vapour isotopes in western Siberia (Kourovka). Atmospheric Measurement Techniques, 2014, 7, 1763-1776.	3.1	48
78	Using palaeo-climate comparisons to constrain future projections in CMIP5. Climate of the Past, 2014, 10, 221-250.	3.4	193
79	What controls the isotopic composition of Greenland surface snow?. Climate of the Past, 2014, 10, 377-392.	3.4	121
80	Temporal and spatial structure of multi-millennial temperature changes at high latitudes during the Last Interglacial. Quaternary Science Reviews, 2014, 103, 116-133.	3.0	146
81	Unstable ice stream in Greenland during the Younger Dryas cold event. Geology, 2014, 42, 759-762.	4.4	32
82	Characterizing atmospheric circulation signals in Greenland ice cores: insights from a weather regime approach. Climate Dynamics, 2014, 43, 2585-2605.	3.8	29
83	Climate variability features of the last interglacial in the East Antarctic EPICA Dome C ice core. Geophysical Research Letters, 2014, 41, 4004-4012.	4.0	23
84	Greenland temperature response to climate forcing during the last deglaciation. Science, 2014, 345, 1177-1180.	12.6	226
85	Temperature trends during the Present and Last Interglacial periods â€“ a multi-model-data comparison. Quaternary Science Reviews, 2014, 99, 224-243.	3.0	48
86	Tree age, site and climate controls on tree ring cellulose Î´18O: A case study on oak trees from south-western France. Dendrochronologia, 2014, 32, 78-89.	2.2	48
87	Antarctic climate change and the environment: an update. Polar Record, 2014, 50, 237-259.	0.8	411
88	The isotopic composition of water vapour and precipitation in Ivittuut, southern Greenland. Atmospheric Chemistry and Physics, 2014, 14, 4419-4439.	4.9	86
89	Variations of oxygen-18 in West Siberian precipitation during the last 50 years. Atmospheric Chemistry and Physics, 2014, 14, 5853-5869.	4.9	36
90	Developing a western Siberia reference site for tropospheric water vapour isotopologue observations obtained by different techniques (in situ and remote sensing). Atmospheric Chemistry and Physics, 2014, 14, 5943-5957.	4.9	15

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91	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. Atmospheric Chemistry and Physics, 2014, 14, 7741-7756.	4.9	100
92	Stable isotopes in surface snow along a traverse route from Zhongshan station to Dome A, East Antarctica. Climate Dynamics, 2013, 41, 2427-2438.	3.8	21
93	Snow accumulation and its moisture origin over Dome Argus, Antarctica. Climate Dynamics, 2013, 40, 731-742.	3.8	30
94	A review of climatic controls on Î´¹⁸O in precipitation over the Tibetan Plateau: Observations and simulations. Reviews of Geophysics, 2013, 51, 525-548.	23.0	654
95	Water isotopes as tools to document oceanic sources of precipitation. Water Resources Research, 2013, 49, 7469-7486.	4.2	108
96	Bi-hemispheric forcing for Indo-Asian monsoon during glacial terminations. Quaternary Science Reviews, 2013, 59, 1-4.	3.0	14
97	Warm climate isotopic simulations: what do we learn about interglacial signals in Greenland ice cores?. Quaternary Science Reviews, 2013, 67, 59-80.	3.0	43
98	Combining ice core records and ice sheet models to explore the evolution of the East Antarctic Ice sheet during the Last Interglacial period. Global and Planetary Change, 2013, 100, 278-290.	3.5	16
99	Eemian interglacial reconstructed from a Greenland folded ice core. Nature, 2013, 493, 489-494.	27.8	565
100	Synchronous Change of Atmospheric CO ₂ and Antarctic Temperature During the Last Deglacial Warming. Science, 2013, 339, 1060-1063.	12.6	295
101	Continental-scale temperature variability during the past two millennia. Nature Geoscience, 2013, 6, 339-346.	12.9	954
102	Continuous monitoring of summer surface water vapor isotopic composition above the Greenland Ice Sheet. Atmospheric Chemistry and Physics, 2013, 13, 4815-4828.	4.9	155
103	Two-phase change in CO2, Antarctic temperature and global climate during Termination II. Nature Geoscience, 2013, 6, 1062-1065.	12.9	43
104	Spatial gradients of temperature, accumulation and Î´¹⁸O-ice in Greenland over a series of Dansgaardâ€“Oeschger events. Climate of the Past, 2013, 9, 1029-1051.	3.4	67
105	Glacialâ€“interglacial dynamics of Antarctic firn columns: comparison between simulations and ice core air-Î´¹⁵N measurements. Climate of the Past, 2013, 9, 983-999.	3.4	22
106	Impact of precipitation intermittency on NAO-temperature signals in proxy records. Climate of the Past, 2013, 9, 871-886.	3.4	26
107	An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120â€“800 ka. Climate of the Past, 2013, 9, 1715-1731.	3.4	324
108	A new Himalayan ice core CH₄ record: possible hints at the preindustrial latitudinal gradient. Climate of the Past, 2013, 9, 2549-2554.	3.4	13

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109	Assessing â€œDangerous Climate Changeâ€• Required Reduction of Carbon Emissions to Protect Young People, Future Generations and Nature. PLoS ONE, 2013, 8, e81648.	2.5	448
110	Using data assimilation to investigate the causes of Southern Hemisphere high latitude cooling from 10 to 8 ka BP. Climate of the Past, 2013, 9, 887-901.	3.4	33
111	Antarctic temperature changes during the last millennium: evaluation of simulations and reconstructions. Quaternary Science Reviews, 2012, 55, 75-90.	3.0	27
112	Regional imprints of millennial variability during the MIS 3 period around Antarctica. Quaternary Science Reviews, 2012, 48, 99-112.	3.0	40
113	Uncertainties in elevation changes and their impact on Antarctic temperature records since the end of the last glacial period. Earth and Planetary Science Letters, 2012, 315-316, 12-23.	4.4	21
114	Triple isotopic composition of oxygen in surface snow and water vapor at NEEM (Greenland). Geochimica Et Cosmochimica Acta, 2012, 77, 304-316.	3.9	82
115	Where might we find evidence of a Last Interglacial West Antarctic Ice Sheet collapse in Antarctic ice core records?. Global and Planetary Change, 2012, 88-89, 64-75.	3.5	18
116	Greenland climate change: from the past to the future. Wiley Interdisciplinary Reviews: Climate Change, 2012, 3, 427-449.	8.1	28
117	Atmospheric circulation change in the central Himalayas indicated by a high-resolution ice core deuterium excess record. Climate Research, 2012, 53, 1-12.	1.1	8
118	Volcanic synchronisation between the EPICA Dome C and Vostok ice cores (Antarctica) 0â€“145 kyr BP. Climate of the Past, 2012, 8, 1031-1045.	3.4	43
119	Reconstruction of southeast Tibetan Plateau summer climate using tree ring Î´¹⁸O: moisture variability over the past two centuries. Climate of the Past, 2012, 8, 205-213.	3.4	39
120	Ranges of moisture-source temperature estimated from Antarctic ice cores stable isotope records over glacialâ€“interglacial cycles. Climate of the Past, 2012, 8, 1109-1125.	3.4	98
121	On the gas-ice depth difference (Î”depth) along the EPICA Dome C ice core. Climate of the Past, 2012, 8, 1239-1255.	3.4	45
122	Deglaciation records of ¹⁷O-excess in East Antarctica: reliable reconstruction of oceanic normalized relative humidity from coastal sites. Climate of the Past, 2012, 8, 1-16.	3.4	80
123	Towards orbital dating of the EPICA Dome C ice core using Î´O₂/N₂. Climate of the Past, 2012, 8, 191-203.	3.4	43
124	Evaluation of climate models using palaeoclimatic data. Nature Climate Change, 2012, 2, 417-424.	18.8	779
125	A global picture of the first abrupt climatic event occurring during the last glacial inception. Geophysical Research Letters, 2012, 39, .	4.0	33
126	2. Les grandes oscillations du climat depuis 800 000 ans. , 2012, , 57-72.		1

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127	Chapitre 1. Sciences du climat. , 2012, , 39-57.		0
128	Understanding the climatic signal in the water stable isotope records from the NEEM shallow firn/ice cores in northwest Greenland. Journal of Geophysical Research, 2011, 116, .	3.3	126
129	Modeling the water isotopes in Greenland precipitation 1959â€“2001 with the meso-scale model REMO-iso. Journal of Geophysical Research, 2011, 116, .	3.3	58
130	Precipitation Water Stable Isotopes in the South Tibetan Plateau: Observations and Modeling*. Journal of Climate, 2011, 24, 3161-3178.	3.2	91
131	Sampling strategy and climatic implications of tree-ring stable isotopes on the southeast Tibetan Plateau. Earth and Planetary Science Letters, 2011, 301, 307-316.	4.4	54
132	Can climate variations be inferred from tree-ring parameters and stable isotopes from Larix decidua? Juvenile effects, budmoth outbreaks, and divergence issue. Earth and Planetary Science Letters, 2011, 309, 221-233.	4.4	59
133	TALDICE-1 age scale of the Talos Dome deep ice core, East Antarctica. Climate of the Past, 2011, 7, 1-16.	3.4	93
134	Sensitivity of interglacial Greenland temperature and Î´¹⁸O: ice core data, orbital and increased CO₂ climate simulations. Climate of the Past, 2011, 7, 1041-1059.	3.4	59
135	Links between MIS 11 millennial to sub-millennial climate variability and long term trends as revealed by new high resolution EPICA Dome C deuterium data â€“ A comparison with the Holocene. Climate of the Past, 2011, 7, 437-450.	3.4	30
136	A comparison of the present and last interglacial periods in six Antarctic ice cores. Climate of the Past, 2011, 7, 397-423.	3.4	131
137	The last deglaciation: timing the bipolar seesaw. Climate of the Past, 2011, 7, 671-683.	3.4	122
138	Expression of the bipolar see-saw in Antarctic climate records during the last deglaciation. Nature Geoscience, 2011, 4, 46-49.	12.9	212
139	Paleoclimates: what do we learn from deep ice cores?. Wiley Interdisciplinary Reviews: Climate Change, 2010, 1, 654-669.	8.1	19
140	Millennial and sub-millennial scale climatic variations recorded in polar ice cores over the last glacial period. Climate of the Past, 2010, 6, 345-365.	3.4	143
141	Abrupt change of Antarctic moisture origin at the end of Termination II. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12091-12094.	7.1	71
142	Insights into hydrological regime of Lake Vostok from differential behavior of deuterium and oxygenâ€18 in accreted ice. Journal of Geophysical Research, 2010, 115, .	3.3	10
143	Winter 2010 in Europe: A cold extreme in a warming climate. Geophysical Research Letters, 2010, 37, .	4.0	379
144	An unstable tree-growth response to climate in two 500 year chronologies, North Eastern Qinghai-Tibetan Plateau. Dendrochronologia, 2010, 28, 225-237.	2.2	22

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145	New MIS 19 EPICA Dome C high resolution deuterium data: Hints for a problematic preservation of climate variability at sub-millennial scale in the â€œoldest iceâ€. Earth and Planetary Science Letters, 2010, 298, 95-103.	4.4	60
146	A generalized additive model for the spatial distribution of stable isotopic composition in Antarctic surface snow. Chemical Geology, 2010, 271, 133-141.	3.3	11
147	What drives the millennial and orbital variations of Î´18Oatm?. Quaternary Science Reviews, 2010, 29, 235-246.	3.0	98
148	Synchronising EDML and NorthGRIP ice cores using Î´18O of atmospheric oxygen (Î´18Oatm) and CH4 measurements over MIS5 (80â€“123 kyr). Quaternary Science Reviews, 2010, 29, 222-234.	3.0	89
149	What caused Earth's temperature variations during the last 800,000 years? Data-based evidence on radiative forcing and constraints on climate sensitivity. Quaternary Science Reviews, 2010, 29, 129-145.	3.0	143
150	EPICA Dome C record of glacial and interglacial intensities. Quaternary Science Reviews, 2010, 29, 113-128.	3.0	202
151	The deuterium excess records of EPICA Dome C and Dronning Maud Land ice cores (East Antarctica). Quaternary Science Reviews, 2010, 29, 146-159.	3.0	195
152	Firn processes and Î´15N: potential for a gas-phase climate proxy. Quaternary Science Reviews, 2010, 29, 28-42.	3.0	48
153	Climate of the last million years: new insights from EPICA and other records. Quaternary Science Reviews, 2010, 29, 1-7.	3.0	24
154	Changes in atmospheric CO2 and its carbon isotopic ratio during the penultimate deglaciation. Quaternary Science Reviews, 2010, 29, 1983-1992.	3.0	52
155	Deep ice cores: the need for going back in time. Quaternary Science Reviews, 2010, 29, 3683-3689.	3.0	27
156	Understanding the ¹⁷O excess glacialâ€interglacial variations in Vostok precipitation. Journal of Geophysical Research, 2010, 115, .	3.3	62
157	Summer maximum temperature in northern France over the past century: instrumental data versus multiple proxies (tree-ring isotopes, grape harvest dates and forest fires). Climatic Change, 2009, 94, 429-456.	3.6	43
158	A new spatial distribution map of Î´¹⁸O in Antarctic surface snow. Geophysical Research Letters, 2009, 36, .	4.0	9
159	Constraining future climate change using ice core data. IOP Conference Series: Earth and Environmental Science, 2009, 6, 012028.	0.3	0
160	Orbital and millennial-scale features of atmospheric CH4 over the past 800,000â€‰years. Nature, 2008, 453, 383-386.	27.8	840
161	Interannual variability of Greenland winter precipitation sources: 2. Effects of North Atlantic Oscillation variability on stable isotopes in precipitation. Journal of Geophysical Research, 2008, 113, .	3.3	113
162	Transferring radiometric dating of the last interglacial sea level high stand to marine and ice core records. Earth and Planetary Science Letters, 2008, 265, 183-194.	4.4	75

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163	Insolation and sea level variations during Quaternary interglacial periods: A review of recent results with special emphasis on the last interglaciation. Comptes Rendus - Geoscience, 2008, 340, 701-710.	1.2	5
164	A Review of Antarctic Surface Snow Isotopic Composition: Observations, Atmospheric Circulation, and Isotopic Modeling*. Journal of Climate, 2008, 21, 3359-3387.	3.2	344
165	High-Resolution Greenland Ice Core Data Show Abrupt Climate Change Happens in Few Years. Science, 2008, 321, 680-684.	12.6	761
166	Atmospheric influence on the deuterium excess signal in polar firn: implications for ice-core interpretation. Journal of Glaciology, 2008, 54, 117-124.	2.2	48
167	A bi-proxy reconstruction of Fontainebleau (France) growing season temperature from A.D. 1596 to 2000. Climate of the Past, 2008, 4, 91-106.	3.4	55
168	Target Atmospheric CO: Where Should Humanity Aim?. The Open Atmospheric Science Journal, 2008, 2, 217-231.	0.5	893
169	The Southern Hemisphere at glacial terminations: insights from the Dome C ice core. Climate of the Past, 2008, 4, 345-356.	3.4	57
170	Evolution du climat dans les rÃ©gions polaires. Houille Blanche, 2008, 94, 24-29.	0.3	0
171	The EDC3 chronology for the EPICA Dome C ice core. Climate of the Past, 2007, 3, 485-497.	3.4	396
172	The GRIP deuterium-excess record. Quaternary Science Reviews, 2007, 26, 1-17.	3.0	113
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