

Nicolas Caillon

List of Publications by Year in descending order

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43
papers

4,795
citations

257450

24
h-index

243625

44
g-index

54
all docs

54
docs citations

54
times ranked

5379
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement reports: Nitrogen isotopes (<i>δ</i> ^{15</sup>N) and first quantification of oxygen isotope anomalies (&lt;i>δ</i>^{17</sup>O). <i>Tellus</i>, 2019, 61, 1047-1054.}}	4.9	12
2	Stratospheric Ozone Changes From Explosive Tropical Volcanoes: Modeling and Ice Core Constraints. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032290.	3.3	14
3	Deposition, recycling, and archival of nitrate stable isotopes between the air-snow interface: comparison between Dronning Maud Land and Dome C, Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5861-5885.	4.9	18
4	A compact incoherent broadband cavity-enhanced absorption spectrometer for trace detection of nitrogen oxides, iodine oxide and glyoxal at levels below parts per billion for field applications. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4317-4331.	3.1	10
5	Foliar uptake of atmospheric nitrate by two dominant subalpine plants: insights from in situ triple-isotope analysis. <i>New Phytologist</i> , 2019, 223, 1784-1794.	7.3	15
6	Tracing the Fate of Atmospheric Nitrate in a Subalpine Watershed Using ^{17</sup>O. <i>Environmental Science & Technology</i>, 2018, 52, 5561-5570.}	10.0	27
7	A simple and reliable method reducing sulfate to sulfide for multiple sulfur isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 333-341.	1.5	10
8	Atmospheric nitrate export in streams along a montane to urban gradient. <i>Science of the Total Environment</i> , 2018, 633, 329-340.	8.0	20
9	Seasonal variations of triple oxygen isotopic compositions of atmospheric sulfate, nitrate, and ozone at Dumont d'Urville, coastal Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3713-3727.	4.9	42
10	Mg/Ca thermometry in planktic foraminifera: Improving paleotemperature estimations for <i>G. bulloides</i> and <i>N. pachyderma</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1249-1264.	2.5	28
11	Automated system measuring triple oxygen and nitrogen isotope ratios in nitrate using the bacterial method and N ₂ O decomposition by microwave discharge. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2635-2644.	1.5	15
12	Oxygen isotope mass balance of atmospheric nitrate at Dome C, East Antarctica, during the OPALE campaign. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2659-2673.	4.9	26
13	Comparison of 240‰ long organic carbon and carbonate records along a depth transect in the Timor Sea: Primary signals versus preservation changes. <i>Paleoceanography</i> , 2014, 29, 389-402.	3.0	2
14	Interlaboratory study for coral Sr/Ca and other element/Ca ratio measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3730-3750.	2.5	183
15	Two-phase change in CO ₂ , Antarctic temperature and global climate during Termination II. <i>Nature Geoscience</i> , 2013, 6, 1062-1065.	12.9	43
16	Mg/Ca-paleothermometry in the western Mediterranean Sea on planktonic foraminifer species <i>Globigerina bulloides</i> : Constraints and implications. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 267-276.	1.2	13
17	Further constraints on the diagenetic influences and salinity effect on <i>Globigerinoides ruber</i> (white) Mg/Ca thermometry: Implications in the Mediterranean Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	18
18	Speleothem record of the last 180 ka in Villars cave (SW France): Investigation of a large ^{18</sup>O shift between MIS6 and MIS5. <i>Quaternary Science Reviews</i>, 2011, 30, 130-146.}	3.0	99

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19	High-latitude obliquity as a dominant forcing in the Agulhas current system. <i>Climate of the Past</i> , 2011, 7, 1285-1296.	3.4	76
20	The monsoon imprint during the "atypical" MIS 13 as seen through north and equatorial Indian Ocean records. <i>Quaternary Research</i> , 2011, 76, 285-293.	1.7	9
21	Diagenetic Mg-rich calcite in Mediterranean sediments: Quantification and impact on foraminiferal Mg/Ca thermometry. <i>Marine Geology</i> , 2011, 280, 195-204.	2.1	31
22	Constraining ventilation during deepwater formation using deep ocean measurements of the dissolved gas ratios $\delta^{40}\text{Ar}/\delta^{36}\text{Ar}$, N_2/Ar , and Kr/Ar . <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	23
23	Imprints of high-salinity water plumes originating from the red sea during termination II. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 276, 69-79.	2.3	5
24	Mg/Ca and Sr/Ca ratios in planktonic foraminifera: Proxies for upper water column temperature reconstruction. <i>Paleoceanography</i> , 2008, 23, .	3.0	114
25	Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	168
26	Low-latitude hydrological cycle and rapid climate changes during the last deglaciation. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	79
27	Primary productivity response to Heinrich events in the North Atlantic Ocean and Norwegian Sea. <i>Paleoceanography</i> , 2007, 22, .	3.0	30
28	Phase lag between Intertropical Convergence Zone migration and subtropical monsoon onset over the northwestern Indian Ocean during Marine Isotopic Substage 6.5 (MIS 6.5). <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	8
29	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
30	Rapid climate variability during warm and cold periods in polar regions and Europe. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 935-946.	1.2	13
31	Large temperature variations over rapid climatic events in Greenland: a method based on air isotopic measurements. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 947-956.	1.2	31
32	Age of Himalayan bottom ice cores. <i>Journal of Glaciology</i> , 2004, 50, 467-468.	2.2	18
33	High-resolution record of Northern Hemisphere climate extending into the last interglacial period. <i>Nature</i> , 2004, 431, 147-151.	27.8	2,489
34	Evidence for stratigraphic distortion in the Greenland Ice Core Project (GRIP) ice core during Event 5e1 (120 kyr BP) from gas isotopes. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	16
35	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
36	Comment on "Greenland-Antarctic phase relations and millennial time-scale climate fluctuations in the Greenland ice-cores" by C. Wunsch. <i>Quaternary Science Reviews</i> , 2004, 23, 2053-2054.	3.0	24

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37	Magnitude of isotope/temperature scaling for interpretation of central Antarctic ice cores. Journal of Geophysical Research, 2003, 108, .	3.3	239
38	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. Journal of Geophysical Research, 2003, 108, .	3.3	56
39	A novel method to study the phase relationship between Antarctic and Greenland climate. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	36
40	A method for precise measurement of argon 40/36 and krypton/argon ratios in trapped air in polar ice with applications to past firn thickness and abrupt climate change in Greenland and at Siple Dome, Antarctica. Geochimica Et Cosmochimica Acta, 2003, 67, 325-343.	3.9	119
41	A new Andean deep ice core from Nevado Illimani (6350 m), Bolivia. Earth and Planetary Science Letters, 2003, 212, 337-350.	4.4	121
42	Timing of Atmospheric CO2 and Antarctic Temperature Changes Across Termination III. Science, 2003, 299, 1728-1731.	12.6	215
43	Estimation of temperature change and of gas age-ice age difference, 108 kyr B.P., at Vostok, Antarctica. Journal of Geophysical Research, 2001, 106, 31893-31901.	3.3	50