

# James W C White

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/498300/publications.pdf>

Version: 2024-02-01

178  
papers

30,155  
citations

8755

77  
h-index

5739

167  
g-index

197  
all docs

197  
docs citations

197  
times ranked

24037  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 3-dimensional study of $\delta^{18}\text{O}$ in atmospheric $\text{CO}_2$ : contribution of different land ecosystems. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 51, 642.	0.8	36
2	The atmospheric signal of terrestrial carbon isotopic discrimination and its implication for partitioning carbon fluxes. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 55, 197.	0.8	18
3	The Role of Emission Sources and Atmospheric Sink in the Seasonal Cycle of $\text{CH}_4$ and $\delta^{13}\text{C}\text{-CH}_4$ : Analysis Based on the Atmospheric Chemistry Transport Model TM5. <i>Atmosphere</i> , 2022, 13, 888.	1.0	1
4	Detection of local mixing in time-series data using permutation entropy. <i>Physical Review E</i> , 2021, 103, 022217.	0.8	2
5	Continuous-Flow Analysis of $\delta^{17}\text{O}$ , $\delta^{18}\text{O}$ , and $\delta^2\text{D}$ of $\text{H}_2\text{O}$ on an Ice Core from the South Pole. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	18
6	The anatomy of past abrupt warmings recorded in Greenland ice. <i>Nature Communications</i> , 2021, 12, 2106.	5.8	27
7	A 120,000-year long climate record from a NW-Greenland deep ice core at ultra-high resolution. <i>Scientific Data</i> , 2021, 8, 141.	2.4	28
8	Reconstruction of Temperature, Accumulation Rate, and Layer Thinning From an Ice Core at South Pole, Using a Statistical Inverse Method. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033300.	1.2	6
9	The role of sublimation as a driver of climate signals in the water isotope content of surface snow: laboratory and field experimental results. <i>Cryosphere</i> , 2021, 15, 4949-4974.	1.5	13
10	Strong sensitivity of the isotopic composition of methane to the plausible range of tropospheric chlorine. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8405-8419.	1.9	21
11	High-frequency climate variability in the Holocene from a coastal-dome ice core in east-central Greenland. <i>Climate of the Past</i> , 2020, 16, 1369-1386.	1.3	8
12	An improved estimate for the $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ signatures of carbon monoxide produced from atmospheric oxidation of volatile organic compounds. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8547-8562.	1.9	6
13	An information-theoretic approach to extracting climate signals from deep polar ice cores. <i>Chaos</i> , 2019, 29, 101105.	1.0	5
14	Enhanced North American carbon uptake associated with El Niño. <i>Science Advances</i> , 2019, 5, eaaw0076.	4.7	45
15	Very Strong Atmospheric Methane Growth in the 4 Years 2014–2017: Implications for the Paris Agreement. <i>Global Biogeochemical Cycles</i> , 2019, 33, 318-342.	1.9	353
16	Southern Hemisphere climate variability forced by Northern Hemisphere ice-sheet topography. <i>Nature</i> , 2018, 554, 351-355.	18.7	41
17	Limited impact of El Niño–Southern Oscillation on variability and growth rate of atmospheric methane. <i>Biogeosciences</i> , 2018, 15, 6371-6386.	1.3	7
18	Anomaly Detection in Paleoclimate Records Using Permutation Entropy. <i>Entropy</i> , 2018, 20, 931.	1.1	26

#	ARTICLE	IF	CITATIONS
19	Variability in Atmospheric Methane From Fossil Fuel and Microbial Sources Over the Last Three Decades. <i>Geophysical Research Letters</i> , 2018, 45, 11,499.	1.5	46
20	Interlaboratory comparison of $\delta^{13}\text{C}$ and $\delta^2\text{H}$ measurements of atmospheric $\text{CH}_4$ for combined use of data sets from different laboratories. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1207-1231.	1.2	31
21	The CarbonTracker Data Assimilation System for $\text{CO}_2$ and $\text{C}$ (CTDAS-C13 v1.0): retrieving information on atmosphere exchange processes. <i>Geoscientific Model Development</i> , 2018, 11, 283-304.	1.3	6
22	Increased water-use efficiency and reduced $\text{CO}_2$ uptake by plants during droughts at a continental scale. <i>Nature Geoscience</i> , 2018, 11, 744-748.	5.4	139
23	Enhanced methane emissions from tropical wetlands during the 2011 La Niña. <i>Scientific Reports</i> , 2017, 7, 45759.	1.6	41
24	Role of atmospheric oxidation in recent methane growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5373-5377.	3.3	231
25	Evolution of Neoantigen Landscape during Immune Checkpoint Blockade in Non-Small Cell Lung Cancer. <i>Cancer Discovery</i> , 2017, 7, 264-276.	7.7	706
26	Water isotope diffusion in the WAIS Divide ice core during the Holocene and last glacial. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 290-309.	1.0	33
27	Global atmospheric teleconnections during Dansgaard-Oeschger events. <i>Nature Geoscience</i> , 2017, 10, 36-40.	5.4	108
28	Comparison of suicidal ideation, suicide attempt and suicide in children and young people in care and non-care populations: Systematic review and meta-analysis of prevalence. <i>Children and Youth Services Review</i> , 2017, 82, 122-129.	1.0	103
29	Improved methodologies for continuous-flow analysis of stable water isotopes in ice cores. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 617-632.	1.2	37
30	Compiled records of carbon isotopes in atmospheric $\text{CO}_2$ for historical simulations in CMIP6. <i>Geoscientific Model Development</i> , 2017, 10, 4405-4417.	1.3	154
31	Carbon monoxide isotopic measurements in Indianapolis constrain urban source isotopic signatures and support mobile fossil fuel emissions as the dominant wintertime $\text{CO}$ source. <i>Elementa</i> , 2017, 5, .	1.1	13
32	Rising atmospheric methane: 2007-2014 growth and isotopic shift. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1356-1370.	1.9	317
33	A First Step Toward Quantifying the Climate's Information Production over the Last 68,000 Years. <i>Lecture Notes in Computer Science</i> , 2016, , 343-355.	1.0	2
34	Upward revision of global fossil fuel methane emissions based on isotope database. <i>Nature</i> , 2016, 538, 88-91.	13.7	400
35	Using $\delta^{13}\text{C}$ - $\text{CH}_4$ and $\delta^2\text{H}$ - $\text{CH}_4$ to constrain Arctic methane emissions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14891-14908.	1.9	34
36	Surface-atmosphere decoupling limits accumulation at Summit, Greenland. <i>Science Advances</i> , 2016, 2, e1501704.	4.7	22

#	ARTICLE	IF	CITATIONS
37	A 21st-century shift from fossil-fuel to biogenic methane emissions indicated by $\delta^{13}C_{CH_4}$ . <i>Science</i> , 2016, 352, 80-84.	6.0	336
38	Influence of West Antarctic Ice Sheet collapse on Antarctic surface climate. <i>Geophysical Research Letters</i> , 2015, 42, 4862-4868.	1.5	41
39	Methane emissions in East Asia for 2000–2011 estimated using an atmospheric Bayesian inversion. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4352-4369.	1.2	82
40	Variations in global methane sources and sinks during 1910–2010. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2595-2612.	1.9	108
41	Recent changes in north-west Greenland climate documented by NEEM shallow ice core data and simulations, and implications for past-temperature reconstructions. <i>Cryosphere</i> , 2015, 9, 1481-1504.	1.5	41
42	Audit of the global carbon budget: estimate errors and their impact on uptake uncertainty. <i>Biogeosciences</i> , 2015, 12, 2565-2584.	1.3	96
43	Modern solar maximum forced late twentieth century Greenland cooling. <i>Geophysical Research Letters</i> , 2015, 42, 5992-5999.	1.5	16
44	Siple Dome shallow ice cores: a study in coastal dome microclimatology. <i>Climate of the Past</i> , 2014, 10, 1253-1267.	1.3	6
45	Centennial-scale changes in the global carbon cycle during the last deglaciation. <i>Nature</i> , 2014, 514, 616-619.	13.7	380
46	Greenland temperature response to climate forcing during the last deglaciation. <i>Science</i> , 2014, 345, 1177-1180.	6.0	226
47	Reconstruction of Northern Hemisphere 1950–2010 atmospheric non-methane hydrocarbons. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1463-1483.	1.9	31
48	Corrigendum to "Gas transport in firn: multiple-tracer characterisation and model intercomparison for NEEM, Northern Greenland" published in <i>Atmos. Chem. Phys.</i> , 12, 4259–4277, 2012. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3571-3572.	1.9	2
49	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.	1.9	100
50	The amplification of Arctic terrestrial surface temperatures by reduced sea-ice extent during the Pliocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 386, 59-67.	1.0	24
51	Onset of deglacial warming in West Antarctica driven by local orbital forcing. <i>Nature</i> , 2013, 500, 440-444.	13.7	276
52	A revised 1000‰ year atmospheric $\delta^{13}C_{CO_2}$ record from Law Dome and South Pole, Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8482-8499.	1.2	171
53	Eemian interglacial reconstructed from a Greenland folded ice core. <i>Nature</i> , 2013, 493, 489-494.	13.7	565
54	Continental-scale temperature variability during the past two millennia. <i>Nature Geoscience</i> , 2013, 6, 339-346.	5.4	954

#	ARTICLE	IF	CITATIONS
55	Recent climate and ice-sheet changes in West Antarctica compared with the past 2,000 years. <i>Nature Geoscience</i> , 2013, 6, 372-375.	5.4	140
56	Continuous monitoring of summer surface water vapor isotopic composition above the Greenland Ice Sheet. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4815-4828.	1.9	155
57	A 60 yr record of atmospheric carbon monoxide reconstructed from Greenland firn air. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7567-7585.	1.9	37
58	Biosphere model simulations of interannual variability in terrestrial $^{13}\text{C}/^{12}\text{C}$ exchange. <i>Global Biogeochemical Cycles</i> , 2013, 27, 637-649.	1.9	46
59	Molecular Paleohydrology: Interpreting the Hydrogen-Isotopic Composition of Lipid Biomarkers from Photosynthesizing Organisms. <i>Annual Review of Earth and Planetary Sciences</i> , 2012, 40, 221-249.	4.6	748
60	Gas transport in firn: multiple-tracer characterisation and model intercomparison for NEEM, Northern Greenland. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4259-4277.	1.9	130
61	Increase in observed net carbon dioxide uptake by land and oceans during the past 50 years. <i>Nature</i> , 2012, 488, 70-72.	13.7	583
62	Higher education's sustainability imperative: how to practically respond?. <i>International Journal of Sustainability in Higher Education</i> , 2012, 13, 19-33.	1.6	123
63	No inter-hemispheric $\delta^{13}\text{C}_{\text{CH}_4}$ trend observed. <i>Nature</i> , 2012, 486, E3-E4.	13.7	60
64	Influences of the hydrological cycle on observed interannual variations in atmospheric $\text{CO}_2$ . <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	6
65	Novel applications of carbon isotopes in atmospheric $\text{CO}_2$ : what can atmospheric measurements teach us about processes in the biosphere?. <i>Biogeosciences</i> , 2011, 8, 3093-3106.	1.3	30
66	Interpreting methane variations in the past two decades using measurements of $\text{CH}_4$ mixing ratio and isotopic composition. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9141-9153.	1.9	95
67	The Neogene transition from $\text{C}_3$ to $\text{C}_4$ grasslands in North America: stable carbon isotope ratios of fossil phytoliths. <i>Paleobiology</i> , 2011, 37, 23-49.	1.3	70
68	Multi-element regulation of the tropical forest carbon cycle. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 9-17.	1.9	204
69	Land use and season affect fluxes of $\text{CO}_2$ , $\text{CH}_4$ , $\text{CO}$ , $\text{N}_2\text{O}$ , $\text{H}_2$ and isotopic source signatures in Panama: evidence from nocturnal boundary layer profiles. <i>Global Change Biology</i> , 2010, 16, 2721-2736.	4.2	30
70	Can bottom-up ocean $\text{CO}_2$ fluxes be reconciled with atmospheric $^{13}\text{C}$ observations?. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2010, 62, 369-388.	0.8	25
71	Global Network Measurements of Atmospheric Trace Gas Isotopes. , 2010, , 3-31.		9
72	Examination of a sociocultural model of excessive exercise among male and female adolescents. <i>Body Image</i> , 2010, 7, 227-233.	1.9	56

#	ARTICLE	IF	CITATIONS
73	Moisture source temperatures and precipitation <i>̂</i><sup>18</sup>Oâ€temperature relationships across the United States. Water Resources Research, 2010, 46, .	1.7	45
74	Monthly precipitation isoscapes (<i>̂</i><sup>18</sup>O) of the United States: Connections with surface temperatures, moisture source conditions, and air mass trajectories. Journal of Geophysical Research, 2010, 115, .	3.3	63
75	History of the Greenland Ice Sheet: paleoclimatic insights. Quaternary Science Reviews, 2010, 29, 1728-1756.	1.4	177
76	Arctic amplification: can the past constrain the future?. Quaternary Science Reviews, 2010, 29, 1779-1790.	1.4	233
77	History of sea ice in the Arctic. Quaternary Science Reviews, 2010, 29, 1757-1778.	1.4	343
78	Temperature and precipitation history of the Arctic. Quaternary Science Reviews, 2010, 29, 1679-1715.	1.4	226
79	Past rates of climate change in the Arctic. Quaternary Science Reviews, 2010, 29, 1716-1727.	1.4	23
80	High-precision CO <sub>2</sub> isotopologue spectrometer with a difference-frequency-generation laser source. Optics Letters, 2009, 34, 172.	1.7	28
81	Influence of clouds and diffuse radiation on ecosystemâ€atmosphere CO <sub>2</sub> and CO <sup>18&lt;/sup&gt;O exchanges. Journal of Geophysical Research, 2009, 114, .</sup>	3.3	71
82	Observational constraints on recent increases in the atmospheric CH <sub>4</sub> burden. Geophysical Research Letters, 2009, 36, .	1.5	499
83	Modeled seasonality of glacial abrupt climate events. Climate Dynamics, 2008, 31, 633-645.	1.7	46
84	Separating contributions from natural and anthropogenic sources in atmospheric methane from the Black Sea region, Romania. Applied Geochemistry, 2008, 23, 2871-2879.	1.4	7
85	A Review of Antarctic Surface Snow Isotopic Composition: Observations, Atmospheric Circulation, and Isotopic Modeling*. Journal of Climate, 2008, 21, 3359-3387.	1.2	344
86	High-Resolution Greenland Ice Core Data Show Abrupt Climate Change Happens in Few Years. Science, 2008, 321, 680-684.	6.0	761
87	Long-term field performance of a tunable diode laser absorption spectrometer for analysis of carbon isotopes of CO&lt;sub&gt;2&lt;/sub&gt; in forest air. Atmospheric Chemistry and Physics, 2008, 8, 5263-5277.	1.9	40
88	The Global Methane Budget over the Last 2000 Years:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si61.gif" display="inline" overflow="scroll"><mml:mmultiscripts><mml:mtext>CH</mml:mtext><mml:mn>4</mml:mn><mml:none /><mml:mprescripts /><mml:none /><mml:mn>13</mml:mn></mml:mmultiscripts></mml:math>Reveals Hidden Information. Journal of Nano Education (Print), 2007, 1, 235-248.	0.3	0
89	Stable isotopes provide revised global limits of aerobic methane emissions from plants. Atmospheric Chemistry and Physics, 2007, 7, 237-241.	1.9	63
90	The GRIP deuterium-excess record. Quaternary Science Reviews, 2007, 26, 1-17.	1.4	113

#	ARTICLE	IF	CITATIONS
91	The 8.2ka event from Greenland ice cores. <i>Quaternary Science Reviews</i> , 2007, 26, 70-81.	1.4	386
92	Stable isotopic variations in west China: A consideration of moisture sources. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	443
93	Amount-weighted annual isotopic ( $\delta^{18}O$ ) values are affected by the seasonality of precipitation: A sensitivity study. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	55
94	The Global Methane Budget over the Last 2000 Years. , 2007, , 235-248.		0
95	Long-term record of atmospheric CO <sub>2</sub> and stable isotopic ratios at Waliguan Observatory: Seasonally averaged 1991-2002 source/sink signals, and a comparison of 1998-2002 record to the 11 selected sites in the Northern Hemisphere. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	26
96	Oceanic processes as potential trigger and amplifying mechanisms for Heinrich events. <i>Paleoceanography</i> , 2006, 21, n/a-n/a.	3.0	79
97	Contribution of anthropogenic and natural sources to atmospheric methane variability. <i>Nature</i> , 2006, 443, 439-443.	13.7	935
98	High-resolution ice cores from US ITASE (West Antarctica): development and validation of chronologies and determination of precision and accuracy. <i>Annals of Glaciology</i> , 2005, 41, 77-84.	2.8	48
99	GRIP Deuterium Excess Reveals Rapid and Orbital-Scale Changes in Greenland Moisture Origin. <i>Science</i> , 2005, 309, 118-121.	6.0	287
100	Unexpected Changes to the Global Methane Budget over the Past 2000 Years. <i>Science</i> , 2005, 309, 1714-1717.	6.0	310
101	Rapid deuterium-excess changes in Greenland ice cores: a link between the ocean and the atmosphere. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 957-969.	0.4	17
102	Timing of millennial-scale climate change at Siple Dome, West Antarctica, during the last glacial period. <i>Quaternary Science Reviews</i> , 2005, 24, 1333-1343.	1.4	130
103	Fire emissions from C <sub>3</sub> and C <sub>4</sub> vegetation and their influence on interannual variability of atmospheric CO <sub>2</sub> and $\delta^{13}C$ . <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	1.9	108
104	Extensive observations of CO <sub>2</sub> carbon isotope content in and above a high-elevation subalpine forest. <i>Global Biogeochemical Cycles</i> , 2005, 19, .	1.9	69
105	Long-term record of atmospheric CO <sub>2</sub> and stable isotopic ratios at Waliguan Observatory: Background features and possible drivers, 1991-2002. <i>Global Biogeochemical Cycles</i> , 2005, 19, .	1.9	35
106	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
107	PALEOCLIMATE: Do I Hear a Million?. <i>Science</i> , 2004, 304, 1609-1610.	6.0	6
108	High-resolution record of Northern Hemisphere climate extending into the last interglacial period. <i>Nature</i> , 2004, 431, 147-151.	13.7	2,489



#	ARTICLE	IF	CITATIONS
109	A record of atmospheric CO <sub>2</sub> during the last 40,000 years from the Siple Dome, Antarctica ice core. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	64
110	A 700 year record of Southern Hemisphere extratropical climate variability. <i>Annals of Glaciology</i> , 2004, 39, 127-132.	2.8	41
111	Oxygen-18 concentrations in recent precipitation and ice cores on the Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	230
112	A comprehensive global three-dimensional model of δ <sup>18</sup> O in atmospheric CO <sub>2</sub> : 2. Mapping the atmospheric signal. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	49
113	Elevated atmospheric CO <sub>2</sub> effects and soil water feedbacks on soil respiration components in a Colorado grassland. <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	1.9	85
114	The atmospheric signal of terrestrial carbon isotopic discrimination and its implication for partitioning carbon fluxes. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003, 55, 197-206.	0.8	31
115	Development of analytical methods and measurements of <sup>13</sup> C/ <sup>12</sup> C in atmospheric CH <sub>4</sub> from the NOAA Climate Monitoring and Diagnostics Laboratory Global Air Sampling Network. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 11-1.	3.3	115
116	Simulation of stable water isotope variations by the GENESIS GCM for modern conditions. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 2-1.	3.3	101
117	Carbon isotope discrimination of arctic and boreal biomes inferred from remote atmospheric measurements and a biosphere-atmosphere model. <i>Global Biogeochemical Cycles</i> , 2002, 16, 1-1-1-15.	1.9	47
118	Land use effects on atmospheric <sup>13</sup> C imply a sizable terrestrial CO <sub>2</sub> sink in tropical latitudes. <i>Geophysical Research Letters</i> , 2002, 29, 68-1-68-4.	1.5	25
119	NOAA/CSIRO Flask Air Intercomparison Experiment: A strategy for directly assessing consistency among atmospheric measurements made by independent laboratories. <i>Journal of Geophysical Research</i> , 2001, 106, 20445-20464.	3.3	91
120	Holocene hydrological cycle changes in the Southern Hemisphere documented in East Antarctic deuterium excess records. <i>Climate Dynamics</i> , 2001, 17, 503-513.	1.7	80
121	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.	1.1	936
122	Multiproxy Record of Late Pleistocene to Holocene Climate and Vegetation Changes from a Peat Bog in Patagonia. <i>Quaternary Research</i> , 2001, 55, 168-178.	1.0	110
123	ECMWF Analyses and Reanalyses Depiction of ENSO Signal in Antarctic Precipitation*. <i>Journal of Climate</i> , 2000, 13, 1406-1420.	1.2	131
124	Entrainment at cold glacier beds. <i>Geology</i> , 2000, 28, 351.	2.0	144
125	Global Carbon Sinks and Their Variability Inferred from Atmospheric O <sub>2</sub> and <sup>13</sup> C. <i>Science</i> , 2000, 287, 2467-2470.	6.0	471
126	Entrainment at cold glacier beds. <i>Geology</i> , 2000, 28, 351-354.	2.0	16



#	ARTICLE	IF	CITATIONS
127	A 3-dimensional study of delta18O in atmospheric CO2: contribution of different land ecosystems. Tellus, Series B: Chemical and Physical Meteorology, 1999, 51, 642-667.	0.8	40
128	Measurement of 18O/16O in the soil-atmosphere CO2 flux. Global Biogeochemical Cycles, 1999, 13, 761-774.	1.9	96
129	Seasonal variations of glaciochemical, isotopic and stratigraphic properties in Siple Dome (Antarctica) surface snow. Annals of Glaciology, 1999, 29, 38-44.	2.8	35
130	Stable Isotope Records from Greenland Deep Ice Cores: The Climate Signal and the Role of Diffusion. , 1999, , 89-107.		11
131	Timing is everything in a game of two hemispheres. Nature, 1998, 394, 717-718.	13.7	25
132	Determination of the isotopic (13C/12C) discrimination by terrestrial biology from a global network of observations. Global Biogeochemical Cycles, 1998, 12, 555-562.	1.9	96
133	THE GLOBAL CARBON CYCLE: In Balance, with a Little Help from the Plants. , 1998, 281, 183-184.		29
134	Synchronous Climate Changes in Antarctica and the North Atlantic. , 1998, 282, 92-95.		292
135	Changes in climate, ocean and ice-sheet conditions in the Ross embayment, Antarctica, at 6 ka. Annals of Glaciology, 1998, 27, 305-310.	2.8	65
136	Temperature history and accumulation timing for the snowpack at GISP2, central Greenland. Journal of Glaciology, 1998, 44, 21-30.	1.1	14
137	Temperature history and accumulation timing for the snowpack at GISP2, central Greenland. Journal of Glaciology, 1998, 44, 21-30.	1.1	9
138	The climate signal in the stable isotopes of snow from Summit, Greenland: Results of comparisons with modern climate observations. Journal of Geophysical Research, 1997, 102, 26425-26439.	3.3	139
139	Reconstructing annual and seasonal climatic responses from volcanic events since A.D. 1270 as recorded in the deuterium signal from the Greenland Ice Sheet Project 2 ice core. Journal of Geophysical Research, 1997, 102, 19683-19694.	3.3	13
140	The Holocene-Younger Dryas Transition Recorded at Summit, Greenland. Science, 1997, 278, 825-827.	6.0	160
141	Detection and monitoring of stratigraphic markers and temperature trends at the Greenland Ice Sheet Project 2 using passive-microwave remote-sensing data. Journal of Geophysical Research, 1997, 102, 26877-26886.	3.3	13
142	A three-dimensional synthesis study of $\delta^{18}\text{O}$ in atmospheric CO2: 1. Surface fluxes. Journal of Geophysical Research, 1997, 102, 5857-5872.	3.3	200
143	A three-dimensional synthesis study of $\delta^{18}\text{O}$ in atmospheric CO2: 2. Simulations with the TM2 transport model. Journal of Geophysical Research, 1997, 102, 5873-5883.	3.3	75
144	Oxygen isotope exchange between carbon dioxide and water following atmospheric sampling using glass flasks. Journal of Geophysical Research, 1996, 101, 14415-14420.	3.3	57

#	ARTICLE	IF	CITATIONS
145	Monitoring the isotopic composition of atmospheric CO <sub>2</sub> : Measurements from the NOAA Global Air Sampling Network. <i>Journal of Geophysical Research</i> , 1996, 101, 25897-25916.	3.3	186
146	Frequency Analysis of an Annually Resolved, 700 Year Paleoclimate Record from the GISP2 Ice Core. , 1996, , 193-212.		9
147	Changes in oceanic and terrestrial carbon uptake since 1982. <i>Nature</i> , 1995, 373, 326-330.	13.7	457
148	Partitioning of ocean and land uptake of CO <sub>2</sub> as inferred by $\delta^{13}\text{C}$ measurements from the NOAA Climate Monitoring and Diagnostics Laboratory Global Air Sampling Network. <i>Journal of Geophysical Research</i> , 1995, 100, 5051.	3.3	315
149	High-resolution holocene and late glacial atmospheric CO <sub>2</sub> record: variability tied to changes in thermohaline circulation. <i>Global Biogeochemical Cycles</i> , 1995, 9, 391-403.	1.9	35
150	A Large Northern Hemisphere Terrestrial CO <sub>2</sub> Sink Indicated by the $^{13}\text{C}/^{12}\text{C}$ Ratio of Atmospheric CO <sub>2</sub> . <i>Science</i> , 1995, 269, 1098-1102.	6.0	752
151	Temperature and accumulation at the Greenland Summit: Comparison of high-resolution isotope profiles and satellite passive microwave brightness temperature trends. <i>Journal of Geophysical Research</i> , 1995, 100, 9165.	3.3	82
152	The origin of present-day Antarctic precipitation from surface snow deuterium excess data. <i>Journal of Geophysical Research</i> , 1995, 100, 18917.	3.3	63
153	Holocene temperature variations inferred from Antarctic ice cores. <i>Annals of Glaciology</i> , 1994, 20, 427-436.	2.8	34
154	Stable isotopes of oxygen and hydrogen in the Truckee River-Pyramid Lake surface-water system. 3. Source of water vapor overlying Pyramid Lake. <i>Limnology and Oceanography</i> , 1994, 39, 1945-1958.	1.6	39
155	A high-resolution record of atmospheric CO <sub>2</sub> content from carbon isotopes in pet. <i>Nature</i> , 1994, 367, 153-156.	13.7	153
156	Climate in the Pleistocene. <i>Nature</i> , 1994, 371, 111-112.	13.7	13
157	Modeling and interpreting ratios in tree rings: A test case of white pine in the northeastern United States. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 851-862.	1.6	88
158	Holocene temperature variations inferred from Antarctic ice cores. <i>Annals of Glaciology</i> , 1994, 20, 427-436.	2.8	27
159	Holocene temperature variations inferred from Antarctic ice cores. <i>Annals of Glaciology</i> , 1994, 20, 427-436.	2.8	16
160	Don't touch that dial. <i>Nature</i> , 1993, 364, 186-186.	13.7	35
161	Comparison of oxygen isotope records from the GISP2 and GRIP Greenland ice cores. <i>Nature</i> , 1993, 366, 552-554.	13.7	1,783
162	The "flickering switch"™ of late Pleistocene climate change. <i>Nature</i> , 1993, 361, 432-436.	13.7	558

#	ARTICLE	IF	CITATIONS
163	Abrupt increase in Greenland snow accumulation at the end of the Younger Dryas event. <i>Nature</i> , 1993, 362, 527-529.	13.7	1,149
164	The North Atlantic Oscillation signature in deuterium and deuterium excess signals in the Greenland Ice Sheet Project 2 Ice Core, 1840â€“1970. <i>Geophysical Research Letters</i> , 1993, 20, 2901-2904.	1.5	122
165	Deuterium excess in recent Antarctic snow. <i>Journal of Geophysical Research</i> , 1991, 96, 5113-5122.	3.3	186
166	Simulations of the HDO and H <sub>2</sub> <sup>18</sup> O atmospheric cycles using the NASA GISS general circulation model: Sensitivity experiments for presentâ€“day conditions. <i>Journal of Geophysical Research</i> , 1991, 96, 7495-7507.	3.3	79
167	Stable Hydrogen Isotope Ratios in Plants: A Review of Current Theory and Some Potential Applications. <i>Ecological Studies</i> , 1989, , 142-162.	0.4	77
168	The origin of Arctic precipitation under present and glacial conditions. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1989, 41B, 452-468.	0.8	270
169	The abrupt termination of the Younger Dryas climate event. <i>Nature</i> , 1989, 339, 532-534.	13.7	690
170	The global geochemistry of bombâ€“produced tritium: General circulation model compared to available observations and traditional interpretations. <i>Journal of Geophysical Research</i> , 1989, 94, 18305-18326.	3.3	30
171	The isotopic composition of precipitation at Mohonk Lake, New York: The amount effect. <i>Journal of Geophysical Research</i> , 1987, 92, 1033-1040.	3.3	13
172	Simulations of the HDO and H <sub>2</sub> <sup>18</sup> O atmospheric cycles using the NASA GISS general circulation model: The seasonal cycle for presentâ€“day conditions. <i>Journal of Geophysical Research</i> , 1987, 92, 14739-14760.	3.3	303
173	Tree-Ring Dating of Baldcypress and the Potential for Millennia-Long Chronologies in the Southeast. <i>American Antiquity</i> , 1985, 50, 796-802.	0.6	34
174	The ratios of sap in trees: Implications for water sources and tree ring ratios. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 237-246.	1.6	441
175	Growing season precipitation from D/H ratios of Eastern White Pine. <i>Nature</i> , 1984, 311, 558-560.	13.7	50
176	The isotopic composition of atmospheric water vapor and the concurrent meteorological conditions. <i>Journal of Geophysical Research</i> , 1984, 89, 4937-4939.	3.3	77
177	Storm trajectories in eastern US D/H isotopic composition of precipitation. <i>Nature</i> , 1982, 296, 638-640.	13.7	86
178	West Antarctic Ice Sheet Elevation Changes. <i>Antarctic Research Series</i> , 0, , 75-90.	0.2	26