

James W C White

List of Publications by Year in descending order

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178
papers

30,155
citations

7568

77
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197
docs citations

197
times ranked

21498
citing authors

#	ARTICLE	IF	CITATIONS
1	A 3-dimensional study of $\delta^{18}\text{O}$ in atmospheric CO_2 ; contribution of different land ecosystems. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 51, 642.	1.6	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.	1.6	18
3	The Role of Emission Sources and Atmospheric Sink in the Seasonal Cycle of CH_4 and $\delta^{13}\text{-CH}_4$: Analysis Based on the Atmospheric Chemistry Transport Model TM5. <i>Atmosphere</i> , 2022, 13, 888.	2.3	1
4	Detection of local mixing in time-series data using permutation entropy. <i>Physical Review E</i> , 2021, 103, 022217.	2.1	2
5	Continuous-Flow Analysis of $\delta^{17}\text{O}$, $\delta^{18}\text{O}$, and $\delta^2\text{D}$ of H_2O on an Ice Core from the South Pole. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	18
6	The anatomy of past abrupt warmings recorded in Greenland ice. <i>Nature Communications</i> , 2021, 12, 2106.	12.8	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.	5.3	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.	3.3	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.	3.9	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.	4.9	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.	3.4	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.	4.9	6
13	An information-theoretic approach to extracting climate signals from deep polar ice cores. <i>Chaos</i> , 2019, 29, 101105.	2.5	5
14	Enhanced North American carbon uptake associated with El Niño. <i>Science Advances</i> , 2019, 5, eaaw0076.	10.3	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.	4.9	353
16	Southern Hemisphere climate variability forced by Northern Hemisphere ice-sheet topography. <i>Nature</i> , 2018, 554, 351-355.	27.8	41
17	Limited impact of El Niño–Southern Oscillation on variability and growth rate of atmospheric methane. <i>Biogeosciences</i> , 2018, 15, 6371-6386.	3.3	7
18	Anomaly Detection in Paleoclimate Records Using Permutation Entropy. <i>Entropy</i> , 2018, 20, 931.	2.2	26

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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.	4.0	46
20	Interlaboratory comparison of $\delta^{13}\text{C}$ and δ^{D} measurements of atmospheric CH_4 for combined use of data sets from different laboratories. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1207-1231.	3.1	31
21	The CarbonTracker Data Assimilation System for CO_2 and C (CTDAS-C13 v1.0): retrieving information on atmosphere exchange processes. <i>Geoscientific Model Development</i> , 2018, 11, 283-304.	3.6	6
22	Increased water-use efficiency and reduced CO_2 uptake by plants during droughts at a continental scale. <i>Nature Geoscience</i> , 2018, 11, 744-748.	12.9	139
23	Enhanced methane emissions from tropical wetlands during the 2011 La Niña. <i>Scientific Reports</i> , 2017, 7, 45759.	3.3	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.	7.1	231
25	Evolution of Neoantigen Landscape during Immune Checkpoint Blockade in Non-Small Cell Lung Cancer. <i>Cancer Discovery</i> , 2017, 7, 264-276.	9.4	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.	2.8	33
27	Global atmospheric teleconnections during Dansgaard-Oeschger events. <i>Nature Geoscience</i> , 2017, 10, 36-40.	12.9	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.	1.9	103
29	Improved methodologies for continuous-flow analysis of stable water isotopes in ice cores. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 617-632.	3.1	37
30	Compiled records of carbon isotopes in atmospheric CO_2 for historical simulations in CMIP6. <i>Geoscientific Model Development</i> , 2017, 10, 4405-4417.	3.6	154
31	Carbon monoxide isotopic measurements in Indianapolis constrain urban source isotopic signatures and support mobile fossil fuel emissions as the dominant wintertime CO source. <i>Elementa</i> , 2017, 5, .	3.2	13
32	Rising atmospheric methane: 2007-2014 growth and isotopic shift. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1356-1370.	4.9	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.	1.3	2
34	Upward revision of global fossil fuel methane emissions based on isotope database. <i>Nature</i> , 2016, 538, 88-91.	27.8	400
35	Using $\delta^{13}\text{C}$ - CH_4 and δ^{D} - CH_4 to constrain Arctic methane emissions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14891-14908.	4.9	34
36	Surface-atmosphere decoupling limits accumulation at Summit, Greenland. <i>Science Advances</i> , 2016, 2, e1501704.	10.3	22

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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.	12.6	336
38	Influence of West Antarctic Ice Sheet collapse on Antarctic surface climate. <i>Geophysical Research Letters</i> , 2015, 42, 4862-4868.	4.0	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.	3.3	82
40	Variations in global methane sources and sinks during 1910–2010. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2595-2612.	4.9	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.	3.9	41
42	Audit of the global carbon budget: estimate errors and their impact on uptake uncertainty. <i>Biogeosciences</i> , 2015, 12, 2565-2584.	3.3	96
43	Modern solar maximum forced late twentieth century Greenland cooling. <i>Geophysical Research Letters</i> , 2015, 42, 5992-5999.	4.0	16
44	Siple Dome shallow ice cores: a study in coastal dome microclimatology. <i>Climate of the Past</i> , 2014, 10, 1253-1267.	3.4	6
45	Centennial-scale changes in the global carbon cycle during the last deglaciation. <i>Nature</i> , 2014, 514, 616-619.	27.8	380
46	Greenland temperature response to climate forcing during the last deglaciation. <i>Science</i> , 2014, 345, 1177-1180.	12.6	226
47	Reconstruction of Northern Hemisphere 1950–2010 atmospheric non-methane hydrocarbons. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1463-1483.	4.9	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.	4.9	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.	4.9	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.	2.3	24
51	Onset of deglacial warming in West Antarctica driven by local orbital forcing. <i>Nature</i> , 2013, 500, 440-444.	27.8	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.	3.3	171
53	Eemian interglacial reconstructed from a Greenland folded ice core. <i>Nature</i> , 2013, 493, 489-494.	27.8	565
54	Continental-scale temperature variability during the past two millennia. <i>Nature Geoscience</i> , 2013, 6, 339-346.	12.9	954

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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.	12.9	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.	4.9	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.	4.9	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.	4.9	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.	11.0	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.	4.9	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.	27.8	583
62	Higher education's sustainability imperative: how to practically respond?. <i>International Journal of Sustainability in Higher Education</i> , 2012, 13, 19-33.	3.1	123
63	No inter-hemispheric $\delta^{13}\text{C}_{\text{CH}_4}$ trend observed. <i>Nature</i> , 2012, 486, E3-E4.	27.8	60
64	Influences of the hydrological cycle on observed interannual variations in atmospheric CO_2 . <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	6
65	Novel applications of carbon isotopes in atmospheric CO_2 : what can atmospheric measurements teach us about processes in the biosphere?. <i>Biogeosciences</i> , 2011, 8, 3093-3106.	3.3	30
66	Interpreting methane variations in the past two decades using measurements of CH_4 mixing ratio and isotopic composition. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9141-9153.	4.9	95
67	The Neogene transition from C_3 to C_4 grasslands in North America: stable carbon isotope ratios of fossil phytoliths. <i>Paleobiology</i> , 2011, 37, 23-49.	2.0	70
68	Multi-element regulation of the tropical forest carbon cycle. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 9-17.	4.0	204
69	Land use and season affect fluxes of CO_2 , CH_4 , CO , N_2O , H_2 and isotopic source signatures in Panama: evidence from nocturnal boundary layer profiles. <i>Global Change Biology</i> , 2010, 16, 2721-2736.	9.5	30
70	Can bottom-up ocean CO_2 fluxes be reconciled with atmospheric ^{13}C observations?. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2010, 62, 369-388.	1.6	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.	4.3	56

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73	Moisture source temperatures and precipitation 18° temperature relationships across the United States. <i>Water Resources Research</i> , 2010, 46, .	4.2	45
74	Monthly precipitation isoscapes (18°) of the United States: Connections with surface temperatures, moisture source conditions, and air mass trajectories. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	63
75	History of the Greenland Ice Sheet: paleoclimatic insights. <i>Quaternary Science Reviews</i> , 2010, 29, 1728-1756.	3.0	177
76	Arctic amplification: can the past constrain the future?. <i>Quaternary Science Reviews</i> , 2010, 29, 1779-1790.	3.0	233
77	History of sea ice in the Arctic. <i>Quaternary Science Reviews</i> , 2010, 29, 1757-1778.	3.0	343
78	Temperature and precipitation history of the Arctic. <i>Quaternary Science Reviews</i> , 2010, 29, 1679-1715.	3.0	226
79	Past rates of climate change in the Arctic. <i>Quaternary Science Reviews</i> , 2010, 29, 1716-1727.	3.0	23
80	High-precision CO ₂ isotopologue spectrometer with a difference-frequency-generation laser source. <i>Optics Letters</i> , 2009, 34, 172.	3.3	28
81	Influence of clouds and diffuse radiation on ecosystem atmosphere CO ₂ and CO ₁₈ O exchanges. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	71
82	Observational constraints on recent increases in the atmospheric CH ₄ burden. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	499
83	Modeled seasonality of glacial abrupt climate events. <i>Climate Dynamics</i> , 2008, 31, 633-645.	3.8	46
84	Separating contributions from natural and anthropogenic sources in atmospheric methane from the Black Sea region, Romania. <i>Applied Geochemistry</i> , 2008, 23, 2871-2879.	3.0	7
85	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
86	High-Resolution Greenland Ice Core Data Show Abrupt Climate Change Happens in Few Years. <i>Science</i> , 2008, 321, 680-684.	12.6	761
87	Long-term field performance of a tunable diode laser absorption spectrometer for analysis of carbon isotopes of CO ₂ in forest air. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5263-5277.	4.9	40
88	The Global Methane Budget over the Last 2000 Years: CH_4 Reveals Hidden Information. <i>Journal of Nano Education (Print)</i> , 2007, 1, 235-248.	0.3	0
89	Stable isotopes provide revised global limits of aerobic methane emissions from plants. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 237-241.	4.9	63
90	The GRIP deuterium-excess record. <i>Quaternary Science Reviews</i> , 2007, 26, 1-17.	3.0	113

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91	The 8.2ka event from Greenland ice cores. <i>Quaternary Science Reviews</i> , 2007, 26, 70-81.	3.0	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, .	4.0	55
94	The Global Methane Budget over the Last 2000 Years. , 2007, , 235-248.		0
95	Long-term record of atmospheric CO ₂ 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.	4.9	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.	27.8	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.	1.4	48
99	GRIP Deuterium Excess Reveals Rapid and Orbital-Scale Changes in Greenland Moisture Origin. <i>Science</i> , 2005, 309, 118-121.	12.6	287
100	Unexpected Changes to the Global Methane Budget over the Past 2000 Years. <i>Science</i> , 2005, 309, 1714-1717.	12.6	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.	1.2	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.	3.0	130
103	Fire emissions from C ₃ and C ₄ vegetation and their influence on interannual variability of atmospheric CO ₂ and $\delta^{13}CO_2$. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	108
104	Extensive observations of CO ₂ carbon isotope content in and above a high-elevation subalpine forest. <i>Global Biogeochemical Cycles</i> , 2005, 19, .	4.9	69
105	Long-term record of atmospheric CO ₂ and stable isotopic ratios at Waliguan Observatory: Background features and possible drivers, 1991-2002. <i>Global Biogeochemical Cycles</i> , 2005, 19, .	4.9	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.	12.6	6
108	High-resolution record of Northern Hemisphere climate extending into the last interglacial period. <i>Nature</i> , 2004, 431, 147-151.	27.8	2,489

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109	A record of atmospheric CO ₂ 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.	1.4	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 $\delta^{18}O$ in atmospheric CO ₂ : 2. Mapping the atmospheric signal. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	49
113	Elevated atmospheric CO ₂ effects and soil water feedbacks on soil respiration components in a Colorado grassland. <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	4.9	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.	1.6	31
115	Development of analytical methods and measurements of $\delta^{13}C/\delta^{12}C$ in atmospheric CH ₄ 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.	4.9	47
118	Land use effects on atmospheric $\delta^{13}C$ imply a sizable terrestrial CO ₂ sink in tropical latitudes. <i>Geophysical Research Letters</i> , 2002, 29, 68-1-68-4.	4.0	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.	3.8	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.	2.1	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.	1.7	110
123	ECMWF Analyses and Reanalyses Depiction of ENSO Signal in Antarctic Precipitation*. <i>Journal of Climate</i> , 2000, 13, 1406-1420.	3.2	131
124	Entrainment at cold glacier beds. <i>Geology</i> , 2000, 28, 351.	4.4	144
125	Global Carbon Sinks and Their Variability Inferred from Atmospheric O ₂ and $\delta^{13}C$. <i>Science</i> , 2000, 287, 2467-2470.	12.6	471
126	Entrainment at cold glacier beds. <i>Geology</i> , 2000, 28, 351-354.	4.4	16

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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.	1.6	40
128	Measurement of 18O/16O in the soil-atmosphere CO2 flux. Global Biogeochemical Cycles, 1999, 13, 761-774.	4.9	96
129	Seasonal variations of glaciochemical, isotopic and stratigraphic properties in Siple Dome (Antarctica) surface snow. Annals of Glaciology, 1999, 29, 38-44.	1.4	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.	27.8	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.	4.9	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.	1.4	65
136	Temperature history and accumulation timing for the snowpack at GISP2, central Greenland. Journal of Glaciology, 1998, 44, 21-30.	2.2	14
137	Temperature history and accumulation timing for the snowpack at GISP2, central Greenland. Journal of Glaciology, 1998, 44, 21-30.	2.2	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.	12.6	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

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145	Monitoring the isotopic composition of atmospheric CO ₂ : 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.	27.8	457
148	Partitioning of ocean and land uptake of CO ₂ 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 ₂ record: variability tied to changes in thermohaline circulation. <i>Global Biogeochemical Cycles</i> , 1995, 9, 391-403.	4.9	35
150	A Large Northern Hemisphere Terrestrial CO ₂ Sink Indicated by the $^{13}\text{C}/^{12}\text{C}$ Ratio of Atmospheric CO ₂ . <i>Science</i> , 1995, 269, 1098-1102.	12.6	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.	1.4	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.	3.1	39
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