

Anne Hope Jahren

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,453
citations

218381

26
h-index

197535

49
g-index

58
all docs

58
docs citations

58
times ranked

2813
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural abundance isotope ratios to differentiate sources of carbon used during tumor growth in vivo. BMC Biology, 2021, 19, 85.	1.7	6
2	A 23 m.y. record of low atmospheric CO ₂ . Geology, 2021, 49, e524-e524.	2.0	0
3	Host autophagy mediates organ wasting and nutrient mobilization for tumor growth. EMBO Journal, 2021, 40, e107336.	3.5	25
4	A Single-Carbon Stable Isotope Ratio Model Prediction Equation Can Estimate Self-Reported Added Sugars Intake in an Adult Population Living in Southwest Virginia. Nutrients, 2021, 13, 3842.	1.7	1
5	Verdien av tverrfaglig forskning i biogeokjemi. Naturen, 2021, 145, 248-252.	0.0	0
6	A 23 m.y. record of low atmospheric CO ₂ . Geology, 2020, 48, 888-892.	2.0	55
7	Carbon and nitrogen stable isotopes in U.S. milk: Insight into production process. Rapid Communications in Mass Spectrometry, 2018, 32, 561-566.	0.7	12
8	The $\delta^{13}\text{C}$ Value of Fingerstick Blood Is a Valid, Reliable, and Sensitive Biomarker of Sugar-Sweetened Beverage Intake in Children and Adolescents. Journal of Nutrition, 2018, 148, 147-152.	1.3	12
9	Short-term changes in added sugar consumption by adolescents reflected in the carbon isotope ratio of fingerstick blood. Nutrition and Health, 2018, 24, 251-259.	0.6	7
10	Plant growth chamber design for subambient p CO ₂ and $\delta^{13}\text{C}$ studies. Rapid Communications in Mass Spectrometry, 2018, 32, 1296-1302.	0.7	2
11	Megafaunal isotopes reveal role of increased moisture on rangeland during late Pleistocene extinctions. Nature Ecology and Evolution, 2017, 1, 125.	3.4	35
12	Influence of an intervention targeting a reduction in sugary beverage intake on the $\delta^{13}\text{C}$ sugar intake biomarker in a predominantly obese, health-disparate sample. Public Health Nutrition, 2017, 20, 25-29.	1.1	18
13	The transitional climate of the late Miocene Arctic: Winter-dominated precipitation with high seasonal variability. Geology, 2017, 45, 447-450.	2.0	7
14	Evaluation of a novel biomarker of added sugar intake ($\delta^{13}\text{C}$) compared with self-reported added sugar intake and the Healthy Eating Index-2010 in a community-based, rural US sample. Public Health Nutrition, 2016, 19, 429-436.	1.1	21
15	New markers of dietary added sugar intake. Current Opinion in Clinical Nutrition and Metabolic Care, 2016, 19, 282-288.	1.3	25
16	Effect of baking and fermentation on the stable carbon and nitrogen isotope ratios of grain-based food. Rapid Communications in Mass Spectrometry, 2015, 29, 937-947.	0.7	14
17	Large-scale plant growth chamber design for elevated pCO ₂ and $\delta^{13}\text{C}$ studies. Rapid Communications in Mass Spectrometry, 2015, 29, 440-446.	0.7	4
18	Global increase in plant carbon isotope fractionation following the Last Glacial Maximum caused by increase in atmospheric pCO ₂ . Geology, 2015, 43, 435-438.	2.0	91

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19	Seasonal temperature and precipitation recorded in the intra-annual oxygen isotope pattern of meteoric water and tree-ring cellulose. <i>Quaternary Science Reviews</i> , 2015, 125, 1-14.	1.4	29
20	A Dual-Carbon-and-Nitrogen Stable Isotope Ratio Model Is Not Superior to a Single-Carbon Stable Isotope Ratio Model for Predicting Added Sugar Intake in Southwest Virginian Adults. <i>Journal of Nutrition</i> , 2015, 145, 1362-1369.	1.3	19
21	The potential for a carbon stable isotope biomarker of dietary sugar intake. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 795-816.	1.6	34
22	Reconciliation of marine and terrestrial carbon isotope excursions based on changing atmospheric CO ₂ levels. <i>Nature Communications</i> , 2013, 4, 1653.	5.8	62
23	The Carbon Isotope Organic Geochemistry of Early Ordovician Rocks from the Annascaul Formation, County Kerry. <i>Irish Journal of Earth Sciences</i> , 2013, 31, 1-12.	0.3	3
24	The effect of atmospheric CO ₂ concentration on carbon isotope fractionation in C ₃ land plants. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 29-43.	1.6	252
25	Practical considerations for the use of pollen $\delta^{13}\text{C}$ value as a paleoclimate indicator. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2165-2172.	0.7	10
26	Quantifying seasonal precipitation using high-resolution carbon isotope analyses in evergreen wood. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7291-7303.	1.6	26
27	Otherworldly Earths: The Future of Deep Time Research. <i>Eos</i> , 2011, 92, 55-55.	0.1	0
28	Association of $\delta^{13}\text{C}$ in Fingerstick Blood with Added-Sugar and Sugar-Sweetened Beverage Intake. <i>Journal of the American Dietetic Association</i> , 2011, 111, 874-878.	1.3	41
29	Fertilization trajectory of the root crop <i>Raphanus sativus</i> across atmospheric pCO ₂ estimates of the next 300 years. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 174-181.	2.5	12
30	Single-step transesterification with simultaneous concentration and stable isotope analysis of fatty acid methyl esters by gas chromatography-combustion-isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1373-1381.	0.7	7
31	Minimization of sample requirement for $\delta^{18}\text{O}$ in benzoic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2542-2546.	0.7	8
32	Evaluation of a Novel Isotope Biomarker for Dietary Consumption of Sweets. <i>American Journal of Epidemiology</i> , 2010, 172, 1045-1052.	1.6	39
33	Corn content of French fry oil from national chain vs. small business restaurants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2099-2101.	3.3	17
34	The environmental water of the middle Eocene Arctic: Evidence from δD , $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ within specific compounds. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 271, 96-103.	1.0	33
35	Clinical-scale investigation of stable isotopes in human blood: $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ from 406 patients at the Johns Hopkins Medical Institutions. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3683-3692.	0.7	41
36	Annual patterns within tree rings of the Arctic middle Eocene (ca. 45 Ma): Isotopic signatures of precipitation, relative humidity, and deciduousness. <i>Geology</i> , 2008, 36, 99.	2.0	74

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37	Prediction of atmospheric $\delta^{13}\text{C}$ using fossil plant tissues. <i>Reviews of Geophysics</i> , 2008, 46, .	9.0	43
38	Carbon and nitrogen stable isotopes in fast food: Signatures of corn and confinement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17855-17860.	3.3	104
39	Oxygen isotope ratios of cellulose-derived phenylglucosazone: An improved paleoclimate indicator of environmental water and relative humidity. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2463-2473.	1.6	37
40	The Arctic Forest of the Middle Eocene. <i>Annual Review of Earth and Planetary Sciences</i> , 2007, 35, 509-540.	4.6	77
41	An isotopic method for quantifying sweeteners derived from corn and sugar cane. <i>American Journal of Clinical Nutrition</i> , 2006, 84, 1380-1384.	2.2	97
42	Carbon stable isotope composition of DNA isolated from an incipient paleosol. <i>Geology</i> , 2006, 34, 381.	2.0	4
43	Variation in oxygen isotope fractionation during cellulose synthesis: intramolecular and biosynthetic effects. <i>Plant, Cell and Environment</i> , 2006, 29, 1881-1889.	2.8	72
44	A plate tectonic mechanism for methane hydrate release along subduction zones. <i>Earth and Planetary Science Letters</i> , 2005, 236, 691-704.	1.8	45
45	The carbon stable isotope composition of pollen. <i>Review of Palaeobotany and Palynology</i> , 2004, 132, 291-313.	0.8	44
46	Plant DNA: A new substrate for carbon stable isotope analysis and a potential paleoenvironmental indicator. <i>Geology</i> , 2004, 32, 241.	2.0	10
47	Methanogenesis in Eocene Arctic soils inferred from $\delta^{13}\text{C}$ of tree fossil carbonates. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 214, 347-358.	1.0	15
48	Humidity estimate for the middle Eocene Arctic rain forest. <i>Geology</i> , 2003, 31, 463.	2.0	94
49	Lichen metabolism identified in Early Devonian terrestrial organisms. <i>Geology</i> , 2003, 31, 99.	2.0	37
50	Chemostratigraphic correlation of four fossil-bearing sections in southwestern North Dakota. , 2002, , .		12
51	The biogeochemical consequences of the mid-Cretaceous superplume. <i>Journal of Geodynamics</i> , 2002, 34, 177-191.	0.7	59
52	Eocene Meridional Weather Patterns Reflected in the Oxygen Isotopes of Arctic Fossil Wood. <i>GSA Today</i> , 2002, 12, 4.	1.1	39
53	Terrestrial record of methane hydrate dissociation in the Early Cretaceous. <i>Geology</i> , 2001, 29, 159.	2.0	247
54	Paleoclimatic Reconstruction Using the Correlation in $\delta^{18}\text{O}$ of Hackberry Carbonate and Environmental Water, North America. <i>Quaternary Research</i> , 2001, 56, 252-263.	1.0	22

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55	Can C3 plants faithfully record the carbon isotopic composition of atmospheric carbon dioxide?. Paleobiology, 2000, 26, 137-164.	1.3	334
56	Growth and Biomineralization of <i>Celtis occidentalis</i> (Ulmaceae) Pericarps. American Midland Naturalist, 1997, 137, 266.	0.2	18