Steven W Leavitt

List of Publications by Year
in descending order

62 papers	4,772 citations	126907 33 h-index	155660 55 g-index
62 all docs	62 docs citations	62 times ranked	4994 citing authors

#	Article	IF	Citations
1	An atmospheric ¹³C/¹²C reconstruction generated through removal of climate effects from tree-ring ¹³C¹²C measurements. Tellus, Series B: Chemical and Physical Meteorology, 2022, 35, 92.	1.6	14
2	South American tree rings show declining Î´¹³C trend. Tellus, Series B: Chemical and Physical Meteorology, 2022, 46, 152.	1.6	41
3	Isotope Dendrochronology: Historical Perspective. Tree Physiology, 2022, , 3-20.	2.5	1
4	Tree-ring Î´18O from Southeast China reveals monsoon precipitation and ENSO variability. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 558, 109954.	2.3	14
5	Past the climate optimum: Recruitment is declining at the world's highest juniper shrublines on the Tibetan Plateau. Ecology, 2019, 100, e02557.	3.2	27
6	Disentangling seasonal and interannual legacies from inferred patterns of forest water and carbon cycling using treeâ€ring stable isotopes. Global Change Biology, 2018, 24, 5332-5347.	9.5	52
7	A 1400-Year BÃ¸lling-AllerÃ¸d Tree-Ring Record from the U.S. Great Lakes Region. Tree-Ring Research, 2017, 73, 102-112.	0.6	4
8	Tree taxa and pyrolysis temperature interact to control the efficacy of pyrogenic organic matter formation. Biogeochemistry, 2016, 130, 103-116.	3.5	22
9	Latitudinal gradients in tree ring stable carbon and oxygen isotopes reveal differential climate influences of the North American Monsoon System. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1978-1991.	3.0	57
10	A dynamic leaf gasâ€exchange strategy is conserved in woody plants under changing ambient CO₂: evidence from carbon isotope discrimination in paleo and CO₂ enrichment studies. Global Change Biology, 2016, 22, 889-902.	9.5	106
11	Tree-Ring Investigation of Holocene Flood-Deposited Wood From the Oneida Lake Watershed, New York State. Tree-Ring Research, 2015, 71, 83-94.	0.6	0
12	Deglacial Hydroclimate of Midcontinental North America. Quaternary Research, 2015, 83, 336-344.	1.7	26
13	Relative humidity history on the Batangâ€"Litang Plateau of western China since 1755 reconstructed from tree-ring Î´18O and Î´D. Climate Dynamics, 2014, 42, 2639-2654.	3.8	56
14	Tree-ring stable carbon isotope-based Mayâ€"July temperature reconstruction over Nanwutai, China, for the past century and its record of 20th century warming. Quaternary Science Reviews, 2014, 93, 67-76.	3.0	45
15	Annually resolved temperature reconstructions from a late Plioceneâ€"early Pleistocene polar forest on Bylot Island, Canada. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 369, 313-322.	2.3	18
16	Environmental information from13C/12C Ratios of Wood. Geophysical Monograph Series, 2013, , 325-331.	0.1	16
17	Individual and pooled tree-ring stable-carbon isotope series in Chinese pine from the Nan Wutai region, China: Common signal and climate relationships. Chemical Geology, 2012, 330-331, 17-26.	3.3	40
18	Increase in water-use efficiency and underlying processes in pine forests across a precipitation gradient in the dry Mediterranean region over the past 30Âyears. Oecologia, 2011, 167, 573-585.	2.0	86

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19	Stable carbon isotopes of tree rings as a tool to pinpoint the geographic origin of timber. Journal of Wood Science, 2010, 56, 175-183.	1.9	56
20	Tree-ring Câ€"Hâ€"O isotope variability and sampling. Science of the Total Environment, 2010, 408, 5244-5253.	8.0	187
21	Using Tree Rings to Predict the Response of Tree Growth to Climate Change in the Continental United States during the Twenty-First Century. Earth Interactions, 2010, 14, 1-20.	1.5	40
22	Forest responses to increasing aridity and warmth in the southwestern United States. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21289-21294.	7.1	442
23	Environment in Time and Space: Opportunities from Tree-Ring Isotope Networks. , 2010, , 113-135.		10
24	Environment and paleoecology of a 12 ka mid-North American Younger Dryas forest chronicled in tree rings. Quaternary Research, 2008, 70, 433-441.	1.7	16
25	Tree-ring isotopic pooling without regard to mass: No difference from averaging Î´13C values of each tree. Chemical Geology, 2008, 252, 52-55.	3.3	82
26	Progress in isotope dendroclimatology. Chemical Geology, 2008, 252, EX1-EX4.	3.3	28
27	Consequences of More Extreme Precipitation Regimes for Terrestrial Ecosystems. BioScience, 2008, 58, 811-821.	4.9	959
28	Consequences of a Rapid Cellulose Extraction Technique for Oxygen Isotope and Radiocarbon Analyses. Analytical Chemistry, 2008, 80, 2035-2041.	6.5	57
29	Regional expression of the 1988 U.S. Midwest drought in seasonalÎ´13C of tree rings. Journal of Geophysical Research, 2007, 112, .	3.3	23
30	Radiocarbon â€œWigglesâ€• in Great Lakes Wood at About 10,000 to 12,000 BP. Radiocarbon, 2007, 49, 855-864.	1.8	6
31	Boundary layer humidity reconstruction for a semiarid location from tree ring cellulose Î´18O. Journal of Geophysical Research, 2006, 111, .	3.3	25
32	Climate in the Great Lakes Region Between 14,000 and 4000 Years Ago from Isotopic Composition of Conifer Wood. Radiocarbon, 2006, 48, 205-217.	1.8	19
33	Needle cell elongation and maturation timing derived from pine needle cellulose delta18O. Plant, Cell and Environment, 2006, 29, 1-14.	5.7	19
34	A multiproxy environmental investigation of Holocene wood from a submerged conifer forest in Lake Huron, USA. Quaternary Research, 2006, 66, 67-77.	1.7	13
35	El Riego and Early Maize Agricultural Evolution. , 2006, , 73-82.		7
36	Comparison of measured and modeled variations in piÃ±on pine leaf water isotopic enrichment across a summer moisture gradient. Oecologia, 2005, 145, 605-618.	2.0	33

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37	Influence of earlywoodâ€"latewood size and isotope differences on long-term tree-ring Î´13C trends. Chemical Geology, 2005, 216, 191-201.	3.3	30
38	Comparison of stable-carbon isotope composition in the growth rings of Isorberlinia doka, Daniella oliveri, and Tamarindus indica and West African climate. Dendrochronologia, 2004, 22, 61-70.	2.2	7
39	A preliminary seasonal precipitation reconstruction from tree-ring stable carbon isotopes at Mt. Helan, China, since AD 1804. Global and Planetary Change, 2004, 41, 229-239.	3.5	54
40	Spatial expression of ENSO, drought, and summer monsoon in seasonal Î´13C of ponderosa pine tree rings in southern Arizona and New Mexico. Journal of Geophysical Research, 2002, 107, ACL 3-1.	3.3	67
41	Climate and Diet in Fremont Prehistory: Economic Variability and Abandonment of Maize Agriculture in the Great Salt Lake Basin. American Antiquity, 2002, 67, 453-485.	1.1	98
42	Leaf cellulose Î´D and Î´18O trends with elevation differ in direction among co-occurring, semiarid plant species. Geochimica Et Cosmochimica Acta, 2002, 66, 3887-3900.	3.9	28
43	Prospects for reconstruction of seasonal environment from tree-ring Î´13C: baseline findings from the Great Lakes area, USA. Chemical Geology, 2002, 192, 47-58.	3.3	46
44	Leaf Î´13C variability with elevation, slope aspect, and precipitation in the southwest United States. Oecologia, 2002, 132, 332-343.	2.0	192
45	Paleoclimatic significance of Î´D and Î´13C values in piÃ±on pine needles from packrat middens spanning the last 40,000 years. Palaeogeography, Palaeoclimatology, Palaeoecology, 1999, 147, 53-72.	2.3	39
46	Isotopes as Indicators of Environmental Change. , 1998, , 761-816.		12
47	VARIATIONS OF WOOD Î´13C AND WATER-USE EFFICIENCY OFABIES ALBADURING THE LAST CENTURY. Ecology, 1997, 78, 1588-1596.	3.2	51
48	Variations of Wood Î´ 13 C and Water-Use Efficiency of Abies Alba During the Last Century. Ecology, 1997, 78, 1588.	3.2	132
49	A Single-Year Î´13C Chronology from Pinus Tabulaeformis (Chinese Pine) Tree Rings at Huangling, China. Radiocarbon, 1995, 37, 605-610.	1.8	12
50	Major wet interval in white mountains medieval warm period evidenced in? 13C of bristlecone pine tree rings. Climatic Change, 1994, 26, 299-307.	3.6	43
51	Carbon isotope dynamics of free-air CO2-enriched cotton and soils. Agricultural and Forest Meteorology, 1994, 70, 87-101.	4.8	83
52	Major Wet Interval in White Mountains Medieval Warm Period Evidenced in Î´13C of Bristlecone Pine Tree Rings. , 1994, , 299-307.		9
53	Method for batch processing small wood samples to holocellulose for stable-carbon isotope analysis. Analytical Chemistry, 1993, 65, 87-89.	6.5	377
54	Seasonal stable-carbon isotope variability in tree rings: possible paleoenvironmental signals. Chemical Geology: Isotope Geoscience Section, 1991, 87, 59-70.	0.6	87

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55	DROUGHT INDICATED IN CARBON-13/CARBON-12 RATIOS OF SOUTHWESTERN TREE RINGS. Journal of the American Water Resources Association, 1989, 25, 341-347.	2.4	78
56	Stable carbon isotope chronologies from trees in the southwestern United States. Global Biogeochemical Cycles, 1988, 2, 189-198.	4.9	95
57	Stable-Carbon Isotope Variability in Tree Foliage and Wood. Ecology, 1986, 67, 1002-1010.	3.2	198
58	Stable-Carbon Isotopic Composition of Maple Sap and Foliage. Plant Physiology, 1985, 78, 427-429.	4.8	38
59	Sampling strategy for stable carbon isotope analysis of tree rings in pine. Nature, 1984, 311, 145-147.	27.8	186
60	Possible climatic response of Î´13C in leaf cellulose of pinyon pine in Arizona, U.S.A.. Chemical Geology, 1983, 41, 169-180.	3.3	2
61	Evidence for 13C/12C fractionation between tree leaves and wood. Nature, 1982, 298, 742-744.	27.8	158
62	Intra-annual tree-ring isotope variations: do they occur when environment remains constant?. Trees - Structure and Function, 0, , .	1.9	3