Matthew D Therrell

List of Publications by Year
in descending order

54	2,741	236925 25	182427 51
papers	citations	h-index	g-index

55	55	55	2282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tree-ring data document 16th century megadrought over North America. Eos, 2000, 81, 121.	0.1	270
2	SACRAMENTO RIVER FLOW RECONSTRUCTED TO A.D. 869 FROM TREE RINGS1. Journal of the American Water Resources Association, 2001, 37, 1029-1039.	2.4	222
3	Climatic control of Mississippi River flood hazard amplified by river engineering. Nature, 2018, 556, 95-98.	27.8	202
4	The Lost Colony and Jamestown Droughts. Science, 1998, 280, 564-567.	12.6	195
5	Megadrought and Megadeath in 16th Century Mexico. Emerging Infectious Diseases, 2002, 8, 360-362.	4.3	194
6	Major Mesoamerican droughts of the past millennium. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	148
7	Tree-Ring Reconstructed Winter Precipitation and Tropical Teleconnections in Durango, Mexico. Climatic Change, 2003, 59, 369-388.	3.6	128
8	Cool- and Warm-Season Precipitation Reconstructions over Western New Mexico. Journal of Climate, 2009, 22, 3729-3750.	3.2	126
9	Tree-ring reconstructed rainfall variability in Zimbabwe. Climate Dynamics, 2006, 26, 677-685.	3.8	106
10	Winter-spring precipitation reconstructions from tree rings for northeast Mexico. Climatic Change, 2007, 83, 117-131.	3.6	90
11	Ancient Austrocedrus Tree-Ring Chronologies Used to Reconstruct Central Chile Precipitation Variability from a.d. 1200 to 2000. Journal of Climate, 2006, 19, 5731-5744.	3.2	84
12	Aztec Drought and the â€œCurse of One Rabbitâ€• Bulletin of the American Meteorological Society, 2004, 85, 1263-1272.	3.3	68
13	Warm season tree growth and precipitation over Mexico. Journal of Geophysical Research, 2002, 107, ACL 6-1.	3.3	67
14	When half of the population died: the epidemic of hemorrhagic fevers of 1576 in Mexico. FEMS Microbiology Letters, 2004, 240, 1-5.	1.8	66
15	Chihuahua (Mexico) winter-spring precipitation reconstructed from tree-rings, 1647-1992. Climate Research, 2002, 22, 237-244.	1.1	63
16	A predictive model to locate ancient forests in the Cross Timbers of Osage County, Oklahoma. Journal of Biogeography, 1998, 25, 847-854.	3.0	60
17	Tree-Ring Reconstructed Maize Yield in Central Mexico: 1474â€“2001. Climatic Change, 2006, 74, 493-504.	3.6	55
18	Age, and radial growth dynamics of Pterocarpus angolensis in southern Africa. Forest Ecology and Management, 2007, 244, 24-31.	3.2	54

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19	Drought, epidemic disease, and the fall of classic period cultures in Mesoamerica (AD 750â€“950). Hemorrhagic fevers as a cause of massive population loss. Medical Hypotheses, 2005, 65, 405-409.	1.5	47
20	The Ancient Blue Oak Woodlands of California: Longevity and Hydroclimatic History. Earth Interactions, 2013, 17, 1-23.	1.5	42
21	A multi-century tree-ring record of spring flooding on the Mississippi River. Journal of Hydrology, 2015, 529, 490-498.	5.4	38
22	Tropical tree growth driven by dry-season climate variability. Nature Geoscience, 2022, 15, 269-276.	12.9	38
23	Late-Eighteenth-Century Precipitation Reconstructions from James Madison's Montpelier Plantation. Bulletin of the American Meteorological Society, 2003, 84, 57-72.	3.3	29
24	Demographic shifts in eastern US forests increase the impact of lateâ€season drought on forest growth. Ecography, 2020, 43, 1475-1486.	4.5	27
25	Ancient blue oaks reveal human impact on San Francisco Bay salinity. Eos, 2001, 82, 141-145.	0.1	26
26	The effects of geographical distribution on the reliability of wind energy. Applied Geography, 2013, 40, 83-89.	3.7	23
27	Assessing the impacts of dams and levees on the hydrologic record of the Middle and Lower Mississippi River, USA. Geomorphology, 2018, 313, 88-100.	2.6	23
28	Hydroclimatic variability of the upper Nazas basin: Water management implications for the irrigated area of the Comarca Lagunera, Mexico. Dendrochronologia, 2005, 22, 215-223.	2.2	21
29	Dendroclimatology from Regional to Continental Scales: Understanding Regional Processes to Reconstruct Large-Scale Climatic Variations Across the Western Americas. Developments in Paleoenvironmental Research, 2011, , 175-227.	8.0	20
30	Atlantic Ocean Sea Surface Temperatures and Southeast United States streamflow variability: Associations with the recent multi-decadal decline. Journal of Hydrology, 2019, 576, 422-429.	5.4	19
31	Tree-Ring Dating of An Arkansas Antebellum Plantation House. Tree-Ring Research, 2012, 68, 59-67.	0.6	16
32	Assessing trends in lower tropospheric heat content in the central United States using equivalent temperature. International Journal of Climatology, 2015, 35, 2828-2836.	3.5	16
33	A record of flooding on the White River, Arkansas derived from tree-ring anatomical variability and vessel width. Physical Geography, 2020, 41, 83-98.	1.4	16
34	Waniyetu WÃ³wapi: Native American Records of Weather and Climate. Bulletin of the American Meteorological Society, 2011, 92, 583-592.	3.3	13
35	Comparing three approaches to reconstructing streamflow using tree rings in the Wabash River basin in the Midwestern, US. Journal of Hydrology, 2019, 573, 829-840.	5.4	12
36	Temporal and spatial patterns of sedimentation within the batture lands of the middle Mississippi River, USA. Geomorphology, 2018, 308, 129-141.	2.6	11

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37	The historic and paleoclimatic significance of log buildings in Southcentral Texas. Historical Archaeology, 2000, 34, 25-37.	0.3	10
38	Tree rings and â€˜El AÃ±o del Hambreâ€™ in Mexico. Dendrochronologia, 2005, 22, 203-207.	2.2	10
39	Fire History and Stand Structure of High Quality Black Oak (Quercus velutina) Sand Savannas. Natural Areas Journal, 2013, 33, 10-20.	0.5	10
40	Fluvial activity in major river basins of the eastern United States during the Holocene. Holocene, 2020, 30, 1279-1295.	1.7	10
41	Streamflow Variability Indicated by False Rings in Bald Cypress (Taxodium distichum (L.) Rich.). Forests, 2020, 11, 1100.	2.1	9
42	Interannual to decadal climate and streamflow variability estimated from tree rings. Developments in Quaternary Sciences, 2003, , 491-504.	0.1	8
43	Climate and the mfecane (with erratum). South African Journal of Science, 2014, 110, 7.	0.7	8
44	Dendrochronological potential of Millettia stuhlmannii in Mozambique. Trees - Structure and Function, 2015, 29, 729-736.	1.9	8
45	A Paleo Perspective of Alabama and Florida (USA) Interstate Streamflow. Water (Switzerland), 2021, 13, 657.	2.7	6
46	Response of NonNative Invasive Plants to Large Scale Wind Damage. Natural Areas Journal, 2013, 33, 307-315.	0.5	5
47	The search for Fort Armstrong: Dendroarchaeology of the Williamson â€œSnow Hillâ€•Plantation, Cherokee County, Alabama, U.S.A.. Dendrochronologia, 2017, 43, 59-65.	2.2	5
48	Flood variability in the common era: a synthesis of sedimentary records from Europe and North America. Physical Geography, 2023, 44, 121-135.	1.4	4
49	A lonely dot on the map: Exploring the climate signal in tree-ring density and stable isotopes of clanwilliam cedar, South Africa. Dendrochronologia, 2021, 69, 125879.	2.2	4
50	Implications of the 2015â€“2016 El NiÃ±o on Coastal Mississippi-Alabama Streamflow and Agriculture. Hydrology, 2019, 6, 96.	3.0	3
51	Ancient trees reveal their secrets. Nature Climate Change, 2011, 1, 94-95.	18.8	2
52	Bridging the Gap With Subfossil Douglas-Fir At Mesa Verde, Colorado. Tree-Ring Research, 2015, 71, 53-66.	0.6	2
53	Tree-ring analysis for sustainable harvest of Millettia stuhlmannii in Mozambique. South African Journal of Botany, 2019, 125, 120-125.	2.5	2
54	Lessons for Modern EPs from 16th Century Megadrought. Emergency Medicine News, 2002, 24, 62.	0.0	0