

David C Frank

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154 papers	16,043 citations	71 h-index	125 g-index
156 ext. papers	18,397 ext. citations	8.1 avg, IF	6.36 L-index

#	Paper	IF	Citations
154	Climate extremes and the carbon cycle. <i>Nature</i> , 2013 , 500, 287-95	50.4	974
153	2500 years of European climate variability and human susceptibility. <i>Science</i> , 2011 , 331, 578-82	33.3	945
152	Contribution of semi-arid ecosystems to interannual variability of the global carbon cycle. <i>Nature</i> , 2014 , 509, 600-3	50.4	778
151	Persistent positive North Atlantic oscillation mode dominated the Medieval Climate Anomaly. <i>Science</i> , 2009 , 324, 78-80	33.3	753
150	The twentieth century was the wettest period in northern Pakistan over the past millennium. <i>Nature</i> , 2006 , 440, 1179-82	50.4	487
149	Effects of climate extremes on the terrestrial carbon cycle: concepts, processes and potential future impacts. <i>Global Change Biology</i> , 2015 , 21, 2861-80	11.4	454
148	Summer Temperature Variations in the European Alps, a.d. 755-2004. <i>Journal of Climate</i> , 2006 , 19, 5606-5623	11.4	312
147	Old World megadroughts and pluvials during the Common Era. <i>Science Advances</i> , 2015 , 1, e1500561	14.3	304
146	Long-term drought severity variations in Morocco. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	276
145	Water-use efficiency and transpiration across European forests during the Anthropocene. <i>Nature Climate Change</i> , 2015 , 5, 579-583	21.4	271
144	Site- and species-specific responses of forest growth to climate across the European continent. <i>Global Ecology and Biogeography</i> , 2013 , 22, 706-717	6.1	248
143	Last millennium northern hemisphere summer temperatures from tree rings: Part I: The long term context. <i>Quaternary Science Reviews</i> , 2016 , 134, 1-18	3.9	223
142	Ensemble reconstruction constraints on the global carbon cycle sensitivity to climate. <i>Nature</i> , 2010 , 463, 527-30	50.4	221
141	Woody biomass production lags stem-girth increase by over one month in coniferous forests. <i>Nature Plants</i> , 2015 , 1, 15160	11.5	217
140	Timing and duration of European larch growing season along altitudinal gradients in the Swiss Alps. <i>Tree Physiology</i> , 2010 , 30, 225-33	4.2	198
139	Orbital forcing of tree-ring data. <i>Nature Climate Change</i> , 2012 , 2, 862-866	21.4	192
138	A 1052-year tree-ring proxy for Alpine summer temperatures. <i>Climate Dynamics</i> , 2005 , 25, 141-153	4.2	190

137	The influence of sampling design on tree-ring-based quantification of forest growth. <i>Global Change Biology</i> , 2014 , 20, 2867-85	11.4	186
136	Characterization and climate response patterns of a high-elevation, multi-species tree-ring network in the European Alps. <i>Dendrochronologia</i> , 2005 , 22, 107-121	2.8	182
135	Inter-hemispheric temperature variability over the past millennium. <i>Nature Climate Change</i> , 2014 , 4, 362-367	11.4	181
134	Kinetics of tracheid development explain conifer tree-ring structure. <i>New Phytologist</i> , 2014 , 203, 1231-1241	3.8	175
133	No growth stimulation of Canada's boreal forest under half-century of combined warming and CO2 fertilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E8406-E8414	11.5	161
132	Effect of scaling and regression on reconstructed temperature amplitude for the past millennium. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	153
131	Twentieth century redistribution in climatic drivers of global tree growth. <i>Science Advances</i> , 2019 , 5, eaat4313	14.3	150
130	Warmer early instrumental measurements versus colder reconstructed temperatures: shooting at a moving target. <i>Quaternary Science Reviews</i> , 2007 , 26, 3298-3310	3.9	145
129	1200 years of regular outbreaks in alpine insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 671-9	4.4	144
128	Growth responses to climate in a multi-species tree-ring network in the Western Carpathian Tatra Mountains, Poland and Slovakia. <i>Tree Physiology</i> , 2007 , 27, 689-702	4.2	142
127	Spatial variability and temporal trends in water-use efficiency of European forests. <i>Global Change Biology</i> , 2014 , 20, 3700-12	11.4	140
126	1738 years of Mongolian temperature variability inferred from a tree-ring width chronology of Siberian pine. <i>Geophysical Research Letters</i> , 2001 , 28, 543-546	4.9	140
125	The early instrumental warm-bias: a solution for long central European temperature series 1760-2007. <i>Climatic Change</i> , 2010 , 101, 41-67	4.5	139
124	Seasonal transfer of oxygen isotopes from precipitation and soil to the tree ring: source water versus needle water enrichment. <i>New Phytologist</i> , 2014 , 202, 772-783	9.8	134
123	Adjustment for proxy number and coherence in a large-scale temperature reconstruction. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	132
122	Long-term summer temperature variations in the Pyrenees. <i>Climate Dynamics</i> , 2008 , 31, 615-631	4.2	129
121	Above-ground woody carbon sequestration measured from tree rings is coherent with net ecosystem productivity at five eddy-covariance sites. <i>New Phytologist</i> , 2014 , 201, 1289-1303	9.8	126
120	Northern Hemisphere hydroclimate variability over the past twelve centuries. <i>Nature</i> , 2016 , 532, 94-8	50.4	124

119	Testing for tree-ring divergence in the European Alps. <i>Global Change Biology</i> , 2008 , 14, 2443-2453	11.4	120
118	Tree rings and volcanic cooling. <i>Nature Geoscience</i> , 2012 , 5, 836-837	18.3	116
117	Complex climate controls on 20th century oak growth in Central-West Germany. <i>Tree Physiology</i> , 2009 , 29, 39-51	4.2	114
116	Impact of climate and CO ₂ on a millennium-long tree-ring carbon isotope record. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 4635-4647	5.5	113
115	Last millennium Northern Hemisphere summer temperatures from tree rings: Part II, spatially resolved reconstructions. <i>Quaternary Science Reviews</i> , 2017 , 163, 1-22	3.9	112
114	Species-specific climate sensitivity of tree growth in Central-West Germany. <i>Trees - Structure and Function</i> , 2009 , 23, 729-739	2.6	111
113	Observed forest sensitivity to climate implies large changes in 21st century North American forest growth. <i>Ecology Letters</i> , 2016 , 19, 1119-28	10	109
112	Pattern of xylem phenology in conifers of cold ecosystems at the Northern Hemisphere. <i>Global Change Biology</i> , 2016 , 22, 3804-3813	11.4	108
111	Multiproxy summer and winter surface air temperature field reconstructions for southern South America covering the past centuries. <i>Climate Dynamics</i> , 2011 , 37, 35-51	4.2	108
110	Climatic drivers of hourly to yearly tree radius variations along a 6°C natural warming gradient. <i>Agricultural and Forest Meteorology</i> , 2013 , 168, 36-46	5.8	107
109	Temperature reconstructions and comparisons with instrumental data from a tree-ring network for the European Alps. <i>International Journal of Climatology</i> , 2005 , 25, 1437-1454	3.5	107
108	A tree-ring perspective on the terrestrial carbon cycle. <i>Oecologia</i> , 2014 , 176, 307-22	2.9	106
107	Spectral biases in tree-ring climate proxies. <i>Nature Climate Change</i> , 2013 , 3, 360-364	21.4	104
106	Climate signal age effectsEvidence from young and old trees in the Swiss Engadin. <i>Forest Ecology and Management</i> , 2008 , 255, 3783-3789	3.9	104
105	Climate reconstructions: Low-frequency ambition and high-frequency ratification. <i>Eos</i> , 2004 , 85, 113	1.5	104
104	Climatic warming disrupts recurrent Alpine insect outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20576-81	11.5	101
103	Long-Term Temperature Trends and Tree Growth in the Taymir Region of Northern Siberia. <i>Quaternary Research</i> , 2000 , 53, 312-318	1.9	99
102	Cell size and wall dimensions drive distinct variability of earlywood and latewood density in Northern Hemisphere conifers. <i>New Phytologist</i> , 2017 , 216, 728-740	9.8	96

101	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO. <i>New Phytologist</i> , 2021 , 229, 2413-2445	9.8	94
100	Recent trends in Inner Asian forest dynamics to temperature and precipitation indicate high sensitivity to climate change. <i>Agricultural and Forest Meteorology</i> , 2013 , 178-179, 31-45	5.8	92
99	A meta-analysis of cambium phenology and growth: linear and non-linear patterns in conifers of the northern hemisphere. <i>Annals of Botany</i> , 2013 , 112, 1911-20	4.1	92
98	Tree-ring indicators of German summer drought over the last millennium. <i>Quaternary Science Reviews</i> , 2010 , 29, 1005-1016	3.9	92
97	A 350 year drought reconstruction from Alpine tree ring stable isotopes. <i>Global Biogeochemical Cycles</i> , 2010 , 24, n/a-n/a	5.9	92
96	Growth/climate response shift in a long subalpine spruce chronology. <i>Trees - Structure and Function</i> , 2006 , 20, 99-110	2.6	91
95	Climate: past ranges and future changes. <i>Quaternary Science Reviews</i> , 2005 , 24, 2164-2166	3.9	86
94	Trends and uncertainties in Siberian indicators of 20th century warming. <i>Global Change Biology</i> , 2010 , 16, 386-398	11.4	85
93	Diverse climate sensitivity of Mediterranean tree-ring width and density. <i>Trees - Structure and Function</i> , 2010 , 24, 261-273	2.6	85
92	Low-frequency noise in $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ tree ring data: A case study of <i>Pinus uncinata</i> in the Spanish Pyrenees. <i>Global Biogeochemical Cycles</i> , 2010 , 24, n/a-n/a	5.9	83
91	Tree growth response along an elevational gradient: climate or genetics?. <i>Oecologia</i> , 2013 , 173, 1587-600.9	0.9	82
90	Thousand-year-long Chinese time series reveals climatic forcing of decadal locust dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16188-93	11.5	82
89	When tree rings go global: Challenges and opportunities for retro- and prospective insight. <i>Quaternary Science Reviews</i> , 2018 , 197, 1-20	3.9	81
88	Three centuries of insect outbreaks across the European Alps. <i>New Phytologist</i> , 2009 , 182, 929-941	9.8	76
87	Intra-annual dynamics of non-structural carbohydrates in the cambium of mature conifer trees reflects radial growth demands. <i>Tree Physiology</i> , 2013 , 33, 913-23	4.2	75
86	20th-century changes in carbon isotopes and water-use efficiency: tree-ring-based evaluation of the CLM4.5 and LPX-Bern models. <i>Biogeosciences</i> , 2017 , 14, 2641-2673	4.6	73
85	Multi-proxy reconstructions of northeastern Pacific sea surface temperature data from trees and Pacific geoduck. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009 , 278, 40-47	2.9	71
84	The value of crossdating to retain high-frequency variability, climate signals, and extreme events in environmental proxies. <i>Global Change Biology</i> , 2016 , 22, 2582-95	11.4	69

83	Tree-Ring-Reconstructed Summer Temperatures from Northwestern North America during the Last Nine Centuries*. <i>Journal of Climate</i> , 2013 , 26, 3001-3012	4.4	67
82	History matters: ecometrics and integrative climate change biology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 1131-40	4.4	67
81	Uniform growth trends among central Asian low- and high-elevation juniper tree sites. <i>Trees - Structure and Function</i> , 2007 , 21, 141-150	2.6	67
80	Climate Variability-Observations, Reconstructions, and Model Simulations for the Atlantic-European and Alpine Region from 1500-2100 AD. <i>Climatic Change</i> , 2006 , 79, 9-29	4.5	67
79	Temperature variability over the past millennium inferred from Northwestern Alaska tree rings. <i>Climate Dynamics</i> , 2005 , 24, 227-236	4.2	67
78	Mongolian tree-rings, temperature sensitivity and reconstructions of Northern Hemisphere temperature. <i>Holocene</i> , 2000 , 10, 669-672	2.6	65
77	Toward consistent measurements of carbon accumulation: A multi-site assessment of biomass and basal area increment across Europe. <i>Dendrochronologia</i> , 2014 , 32, 153-161	2.8	64
76	A Review of 2000 Years of Paleoclimatic Evidence in the Mediterranean 2012 , 87-185		64
75	Impacts of land cover and climate data selection on understanding terrestrial carbon dynamics and the CO ₂ airborne fraction. <i>Biogeosciences</i> , 2011 , 8, 2027-2036	4.6	64
74	The influence of the de Vries (~200-year) solar cycle on climate variations: Results from the Central Asian Mountains and their global link. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008 , 259, 6-16	2.9	64
73	Ecometrics: the traits that bind the past and present together. <i>Integrative Zoology</i> , 2010 , 5, 88-101	1.9	62
72	Spatial Response to Major Volcanic Events in or about AD 536, 934 and 1258: Frost Rings and Other Dendrochronological Evidence from Mongolia and Northern Siberia: Comment on R. B. Stothers, Volcanic Dry Fogs, Climate Cooling, and Plague Pandemics in Europe and the Middle East[Climatic Change, 42, (1999), Climatic Change, 2001, 48, 229-246]	4.5	61
71	Coincidences of climate extremes and anomalous vegetation responses: comparing tree ring patterns to simulated productivity. <i>Biogeosciences</i> , 2015 , 12, 373-385	4.6	60
70	Variability and extremes of northern Scandinavian summer temperatures over the past two millennia. <i>Global and Planetary Change</i> , 2012 , 88-89, 1-9	4.2	59
69	Forward modelling of tree-ring width and comparison with a global network of tree-ring chronologies. <i>Climate of the Past</i> , 2014 , 10, 437-449	3.9	58
68	Swiss spring plant phenology 2007: Extremes, a multi-century perspective, and changes in temperature sensitivity. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	58
67	Surface air temperature variability reconstructed with tree rings for the Gulf of Alaska over the past 1200 years. <i>Holocene</i> , 2014 , 24, 198-208	2.6	56
66	Quantification of uncertainties in conifer sap flow measured with the thermal dissipation method. <i>New Phytologist</i> , 2018 , 219, 1283-1299	9.8	55

65	A noodle, hockey stick, and spaghetti plate: a perspective on high-resolution paleoclimatology. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2010 , 1, 507-516	8.4	55
64	Responses of sapwood ray parenchyma and non-structural carbohydrates of <i>Pinus sylvestris</i> to drought and long-term irrigation. <i>Functional Ecology</i> , 2017 , 31, 1371-1382	5.6	53
63	Climate change. Six centuries of variability and extremes in a coupled marine-terrestrial ecosystem. <i>Science</i> , 2014 , 345, 1498-502	33.3	53
62	Scientific Merits and Analytical Challenges of Tree-Ring Densitometry. <i>Reviews of Geophysics</i> , 2019 , 57, 1224-1264	23.1	50
61	Multi-archive summer temperature reconstruction for the European Alps, AD 1053–1996. <i>Quaternary Science Reviews</i> , 2012 , 46, 66-79	3.9	50
60	Improved tree-ring archives will support earth-system science. <i>Nature Ecology and Evolution</i> , 2017 , 1, 8	12.3	49
59	500 years of regional forest growth variability and links to climatic extreme events in Europe. <i>Environmental Research Letters</i> , 2012 , 7, 045705	6.2	48
58	Tree growth and inferred temperature variability at the North American Arctic treeline. <i>Global and Planetary Change</i> , 2009 , 65, 71-82	4.2	46
57	Varying boreal forest response to Arctic environmental change at the Firth River, Alaska. <i>Environmental Research Letters</i> , 2011 , 6, 045503	6.2	46
56	A pan-European summer teleconnection mode recorded by a new temperature reconstruction from the northeastern Mediterranean (ad 1768–2008). <i>Holocene</i> , 2012 , 22, 887-898	2.6	46
55	Couplings in cell differentiation kinetics mitigate air temperature influence on conifer wood anatomy. <i>Plant, Cell and Environment</i> , 2019 , 42, 1222-1232	8.4	45
54	Three centuries of Slovakian drought dynamics. <i>Climate Dynamics</i> , 2010 , 35, 315-329	4.2	44
53	Precipitation variability during the past 400 years in the Xiaolong Mountain (central China) inferred from tree rings. <i>Climate Dynamics</i> , 2012 , 39, 1697-1707	4.2	41
52	The IPCC on a heterogeneous Medieval Warm Period. <i>Climatic Change</i> , 2009 , 94, 267-273	4.5	40
51	Assessing the spatial signature of European climate reconstructions. <i>Climate Research</i> , 2010 , 41, 125-130.	10.6	40
50	Forest diversity promotes individual tree growth in central European forest stands. <i>Journal of Applied Ecology</i> , 2017 , 54, 71-79	5.8	39
49	Five centuries of Central European temperature extremes reconstructed from tree-ring density and documentary evidence. <i>Global and Planetary Change</i> , 2010 , 72, 182-191	4.2	39
48	Turgor - a limiting factor for radial growth in mature conifers along an elevational gradient. <i>New Phytologist</i> , 2021 , 229, 213-229	9.8	38

47	Causes and consequences of past and projected Scandinavian summer temperatures, 500-2100 AD. <i>PLoS ONE</i> , 2011 , 6, e25133	3.7	35
46	Solar and volcanic fingerprints in tree-ring chronologies over the past 2000 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012 , 313-314, 127-139	2.9	34
45	200 years of European temperature variability: insights from and tests of the proxy surrogate reconstruction analog method. <i>Climate Dynamics</i> , 2011 , 37, 133-150	4.2	33
44	Kunashir (Kuriles) Oak 400-year reconstruction of temperature and relation to the Pacific Decadal Oscillation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004 , 209, 303-311	2.9	33
43	Climate sensitivity of Mediterranean pine growth reveals distinct east-west dipole. <i>International Journal of Climatology</i> , 2015 , 35, 2503-2513	3.5	32
42	Inner Alpine conifer response to 20th century drought swings. <i>European Journal of Forest Research</i> , 2010 , 129, 289-298	2.7	32
41	Frequency-dependent signals in multi-centennial oak vessel data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009 , 275, 92-99	2.9	31
40	The climatic drivers of normalized difference vegetation index and tree-ring-based estimates of forest productivity are spatially coherent but temporally decoupled in Northern Hemispheric forests. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1352-1365	6.1	31
39	Synoptic drivers of 400 years of summer temperature and precipitation variability on Mt. Olympus, Greece. <i>Climate Dynamics</i> , 2015 , 45, 807-824	4.2	30
38	Fading temperature sensitivity of Alpine tree growth at its Mediterranean margin and associated effects on large-scale climate reconstructions. <i>Climatic Change</i> , 2012 , 114, 651-666	4.5	30
37	Moisture stress of a hydrological year on tree growth in the Tibetan Plateau and surroundings. <i>Environmental Research Letters</i> , 2015 , 10, 034010	6.2	28
36	Environmental change during the Allerød and Younger Dryas reconstructed from Swiss tree-ring data. <i>Boreas</i> , 2008 , 37, 74-86	2.4	27
35	A Wood Biology Agenda to Support Global Vegetation Modelling. <i>Trends in Plant Science</i> , 2018 , 23, 1006-1015	1.9	27
34	Swiss tree rings reveal warm and wet summers during medieval times. <i>Geophysical Research Letters</i> , 2014 , 41, 1732-1737	4.9	26
33	A Combined Tree Ring and Vegetation Model Assessment of European Forest Growth Sensitivity to Interannual Climate Variability. <i>Global Biogeochemical Cycles</i> , 2018 , 32, 1226	5.9	25
32	Ecosystem functioning is enveloped by hydrometeorological variability. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1263-1270	12.3	24
31	Oxygen isotopes in tree rings are less sensitive to changes in tree size and relative canopy position than carbon isotopes. <i>Plant, Cell and Environment</i> , 2018 , 41, 2899-2914	8.4	23
30	Dendroecological reconstruction of disturbance history of an old-growth mixed sessile oak-beech forest. <i>Journal of Vegetation Science</i> , 2017 , 28, 117-127	3.1	23

29	Spatio-temporal patterns of tree growth as related to carbon isotope fractionation in European forests under changing climate. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1295-1309	6.1	22
28	The legacy of disturbance on individual tree and stand-level aboveground biomass accumulation and stocks in primary mountain <i>Picea abies</i> forests. <i>Forest Ecology and Management</i> , 2016 , 373, 108-115	3.9	22
27	Converging Climate Sensitivities of European Forests Between Observed Radial Tree Growth and Vegetation Models. <i>Ecosystems</i> , 2018 , 21, 410-425	3.9	21
26	RAPTOR: Row and position tracheid organizer in R. <i>Dendrochronologia</i> , 2018 , 47, 10-16	2.8	21
25	Contribution of climate vs. larch budmoth outbreaks in regulating biomass accumulation in high-elevation forests. <i>Forest Ecology and Management</i> , 2017 , 401, 147-158	3.9	20
24	Methods to merge overlapping tree-ring isotope series to generate multi-centennial chronologies. <i>Chemical Geology</i> , 2012 , 294-295, 127-134	4.2	20
23	Exploration of long-term growth changes using the tree-ring detrending program Spotty. <i>Dendrochronologia</i> , 2009 , 27, 75-82	2.8	20
22	Precipitation over the past four centuries in the Dieshan Mountains as inferred from tree rings: An introduction to an HHT-based method. <i>Global and Planetary Change</i> , 2013 , 107, 109-118	4.2	19
21	Intramolecular C analysis of tree rings provides multiple plant ecophysiology signals covering decades. <i>Scientific Reports</i> , 2018 , 8, 5048	4.9	17
20	An empirical perspective for understanding climate change impacts in Switzerland. <i>Regional Environmental Change</i> , 2018 , 18, 205-221	4.3	17
19	Spatial reconstruction of summer temperatures in Central Europe for the last 500 years using annually resolved proxy records: problems and opportunities. <i>Boreas</i> , 2005 , 34, 490-497	2.4	17
18	Synchronous variability changes in Alpine temperature and tree-ring data over the past two centuries. <i>Boreas</i> , 2005 , 34, 498-505	2.4	17
17	Reconstructed warm season temperatures for Nome, Seward Peninsula, Alaska. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	15
16	Varying boreal forest response to Arctic environmental change at the Firth River, Alaska. <i>Environmental Research Letters</i> , 2011 , 6, 049502	6.2	11
15	Comment on Late 20th century growth acceleration in Greek firs (<i>Abies cephalonica</i>) from Cephalonica Island, Greece: A CO ₂ fertilization effect? <i>Dendrochronologia</i> , 2009 , 27, 223-227	2.8	10
14	On Selected Issues and Challenges in Dendroclimatology. <i>Landscape Series</i> , 2007 , 113-132	0.2	10
13	Climate-mediated spatiotemporal variability in terrestrial productivity across Europe. <i>Biogeosciences</i> , 2014 , 11, 3057-3068	4.6	8
12	Stable isotopes of tree rings reveal seasonal-to-decadal patterns during the emergence of a megadrought in the Southwestern US. <i>Oecologia</i> , 2021 , 197, 1079-1094	2.9	7

11	Forests: Tree rings track climate trade-offs. <i>Nature</i> , 2015 , 523, 531	50.4	5
10	Time-varying relationships among oceanic and atmospheric modes: A turning point at around 1940. <i>Quaternary International</i> , 2018 , 487, 12-25	2	5
9	An intensive tree-ring experience: Connecting education and research during the 25th European Dendroecological Fieldweek (Asturias, Spain). <i>Dendrochronologia</i> , 2017 , 42, 80-93	2.8	4
8	High-frequency stable isotope signals in uneven-aged forests as proxy for physiological responses to climate in Central Europe. <i>Tree Physiology</i> , 2021 , 41, 2046-2062	4.2	4
7	Assessing the influence of climate–water table interactions on jack pine and black spruce productivity in western central Canada. <i>Ecoscience</i> , 2014 , 21, 315-326	1.1	3
6	Evidence of Environmental Change from Annually Resolved Proxies with Particular Reference to Dendrochronology and the Last Millennium320-344		3
5	Dendroclimatological Evidence for Major Volcanic Events of the Past Two Millennia. <i>Geophysical Monograph Series</i> , 2003 , 255-261	1.1	2
4	Climate variability Observations, reconstructions, and model simulations for the Atlantic-European and Alpine region from 1500–100 AD 2006 , 9-29		2
3	Adding Tree Rings to North America’s National Forest Inventories: An Essential Tool to Guide Drawdown of Atmospheric CO2.. <i>BioScience</i> , 2022 , 72, 233-246	5.7	1
2	An interdecadal climate dipole between Northeast Asia and Antarctica over the past five centuries. <i>Climate Dynamics</i> , 2019 , 52, 765-775	4.2	1
1	Dendrochronology: Fundamentals and Innovations. <i>Tree Physiology</i> , 2022 , 21-59		