

# David C Frank

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/221573/publications.pdf>

Version: 2024-02-01

156  
papers

20,513  
citations

7568

77  
h-index

10445

139  
g-index

156  
all docs

156  
docs citations

156  
times ranked

15474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate extremes and the carbon cycle. <i>Nature</i> , 2013, 500, 287-295.	27.8	1,357
2	2500 Years of European Climate Variability and Human Susceptibility. <i>Science</i> , 2011, 331, 578-582.	12.6	1,154
3	Contribution of semi-arid ecosystems to interannual variability of the global carbon cycle. <i>Nature</i> , 2014, 509, 600-603.	27.8	1,054
4	Persistent Positive North Atlantic Oscillation Mode Dominated the Medieval Climate Anomaly. <i>Science</i> , 2009, 324, 78-80.	12.6	885
5	Effects of climate extremes on the terrestrial carbon cycle: concepts, processes and potential future impacts. <i>Global Change Biology</i> , 2015, 21, 2861-2880.	9.5	683
6	The twentieth century was the wettest period in northern Pakistan over the past millennium. <i>Nature</i> , 2006, 440, 1179-1182.	27.8	574
7	Old World megadroughts and pluvials during the Common Era. <i>Science Advances</i> , 2015, 1, e1500561.	10.3	403
8	Summer Temperature Variations in the European Alps, a.d. 755â€“2004. <i>Journal of Climate</i> , 2006, 19, 5606-5623.	3.2	372
9	Water-use efficiency and transpiration across European forests during the Anthropocene. <i>Nature Climate Change</i> , 2015, 5, 579-583.	18.8	357
10	Last millennium northern hemisphere summer temperatures from tree rings: Part I: The long term context. <i>Quaternary Science Reviews</i> , 2016, 134, 1-18.	3.0	314
11	Long-term drought severity variations in Morocco. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	313
12	Site- and species-specific responses of forest growth to climate across the European continent. <i>Global Ecology and Biogeography</i> , 2013, 22, 706-717.	5.8	297
13	Woody biomass production lags stem-girth increase by over one month in coniferous forests. <i>Nature Plants</i> , 2015, 1, 15160.	9.3	294
14	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO <sub>2</sub> . <i>New Phytologist</i> , 2021, 229, 2413-2445.	7.3	286
15	Twentieth century redistribution in climatic drivers of global tree growth. <i>Science Advances</i> , 2019, 5, eaat4313.	10.3	282
16	Ensemble reconstruction constraints on the global carbon cycle sensitivity to climate. <i>Nature</i> , 2010, 463, 527-530.	27.8	256
17	Inter-hemispheric temperature variability over the past millennium. <i>Nature Climate Change</i> , 2014, 4, 362-367.	18.8	240
18	Timing and duration of European larch growing season along altitudinal gradients in the Swiss Alps. <i>Tree Physiology</i> , 2010, 30, 225-233.	3.1	233

#	ARTICLE	IF	CITATIONS
19	No growth stimulation of Canada's boreal forest under half-century of combined warming and CO <sub>2</sub> fertilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8406-E8414.	7.1	233
20	Orbital forcing of tree-ring data. <i>Nature Climate Change</i> , 2012, 2, 862-866.	18.8	232
21	Kinetics of tracheid development explain conifer tree-ring structure. <i>New Phytologist</i> , 2014, 203, 1231-1241.	7.3	226
22	The influence of sampling design on tree-ring-based quantification of forest growth. <i>Global Change Biology</i> , 2014, 20, 2867-2885.	9.5	225
23	A 1052-year tree-ring proxy for Alpine summer temperatures. <i>Climate Dynamics</i> , 2005, 25, 141-153.	3.8	215
24	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.	2.2	202
25	Effect of scaling and regression on reconstructed temperature amplitude for the past millennium. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	188
26	Spatial variability and temporal trends in water-use efficiency of European forests. <i>Global Change Biology</i> , 2014, 20, 3700-3712.	9.5	175
27	The early instrumental warm-bias: a solution for long central European temperature series 1760-2007. <i>Climatic Change</i> , 2010, 101, 41-67.	3.6	174
28	Pattern of xylem phenology in conifers of cold ecosystems at the Northern Hemisphere. <i>Global Change Biology</i> , 2016, 22, 3804-3813.	9.5	174
29	1200 years of regular outbreaks in alpine insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 671-679.	2.6	173
30	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.	7.3	171
31	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.	4.0	166
32	Warmer early instrumental measurements versus colder reconstructed temperatures: shooting at a moving target. <i>Quaternary Science Reviews</i> , 2007, 26, 3298-3310.	3.0	165
33	Last millennium Northern Hemisphere summer temperatures from tree rings: Part II, spatially resolved reconstructions. <i>Quaternary Science Reviews</i> , 2017, 163, 1-22.	3.0	165
34	Northern Hemisphere hydroclimate variability over the past twelve centuries. <i>Nature</i> , 2016, 532, 94-98.	27.8	164
35	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.	3.1	163
36	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.	7.3	152

#	ARTICLE	IF	CITATIONS
37	Adjustment for proxy number and coherence in a large-scale temperature reconstruction. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	150
38	Observed forest sensitivity to climate implies large changes in 21st century North American forest growth. <i>Ecology Letters</i> , 2016, 19, 1119-1128.	6.4	148
39	Testing for tree-ring divergence in the European Alps. <i>Global Change Biology</i> , 2008, 14, 2443-2453.	9.5	141
40	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.	7.3	141
41	Long-term summer temperature variations in the Pyrenees. <i>Climate Dynamics</i> , 2008, 31, 615-631.	3.8	140
42	Tree rings and volcanic cooling. <i>Nature Geoscience</i> , 2012, 5, 836-837.	12.9	137
43	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.	3.8	135
44	Complex climate controls on 20th century oak growth in Central-West Germany. <i>Tree Physiology</i> , 2008, 29, 39-51.	3.1	134
45	A tree-ring perspective on the terrestrial carbon cycle. <i>Oecologia</i> , 2014, 176, 307-322.	2.0	131
46	When tree rings go global: Challenges and opportunities for retro- and prospective insight. <i>Quaternary Science Reviews</i> , 2018, 197, 1-20.	3.0	131
47	Climatic drivers of hourly to yearly tree radius variations along a 6Å°C natural warming gradient. <i>Agricultural and Forest Meteorology</i> , 2013, 168, 36-46.	4.8	127
48	Impact of climate and CO2 on a millennium-long tree-ring carbon isotope record. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4635-4647.	3.9	126
49	Species-specific climate sensitivity of tree growth in Central-West Germany. <i>Trees - Structure and Function</i> , 2009, 23, 729-739.	1.9	125
50	Climatic warming disrupts recurrent Alpine insect outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20576-20581.	7.1	125
51	Spectral biases in tree-ring climate proxies. <i>Nature Climate Change</i> , 2013, 3, 360-364.	18.8	125
52	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	120
53	Climate reconstructions: Low-frequency ambition and high-frequency ratification. <i>Eos</i> , 2004, 85, 113.	0.1	119
54	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, 1911-1920.	2.9	119

#	ARTICLE	IF	CITATIONS
55	Climate signal age effects—Evidence from young and old trees in the Swiss Engadin. <i>Forest Ecology and Management</i> , 2008, 255, 3783-3789.	3.2	117
56	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, 16188-16193.	7.1	114
57	Long-Term Temperature Trends and Tree Growth in the Taymir Region of Northern Siberia. <i>Quaternary Research</i> , 2000, 53, 312-318.	1.7	109
58	Tree growth response along an elevational gradient: climate or genetics?. <i>Oecologia</i> , 2013, 173, 1587-1600.	2.0	109
59	A 350 year drought reconstruction from Alpine tree ring stable isotopes. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	108
60	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.	4.8	108
61	Growth/climate response shift in a long subalpine spruce chronology. <i>Trees - Structure and Function</i> , 2006, 20, 99-110.	1.9	106
62	Trends and uncertainties in Siberian indicators of 20th century warming. <i>Global Change Biology</i> , 2010, 16, 386-398.	9.5	103
63	Tree-ring indicators of German summer drought over the last millennium. <i>Quaternary Science Reviews</i> , 2010, 29, 1005-1016.	3.0	103
64	Scientific Merits and Analytical Challenges of Tree-Ring Densitometry. <i>Reviews of Geophysics</i> , 2019, 57, 1224-1264.	23.0	98
65	Three centuries of insect outbreaks across the European Alps. <i>New Phytologist</i> , 2009, 182, 929-941.	7.3	97
66	Climate: past ranges and future changes. <i>Quaternary Science Reviews</i> , 2005, 24, 2164-2166.	3.0	95
67	Divergence pitfalls in tree-ring research. <i>Climatic Change</i> , 2009, 94, 261-266.	3.6	95
68	Diverse climate sensitivity of Mediterranean tree-ring width and density. <i>Trees - Structure and Function</i> , 2010, 24, 261-273.	1.9	95
69	Turgor — a limiting factor for radial growth in mature conifers along an elevational gradient. <i>New Phytologist</i> , 2021, 229, 213-229.	7.3	94
70	Low-frequency noise in $^{13}\text{C}$ and $^{18}\text{O}$ tree ring data: A case study of <i>Pinus uncinata</i> in the Spanish Pyrenees. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	91
71	Intra-annual dynamics of non-structural carbohydrates in the cambium of mature conifer trees reflects radial growth demands. <i>Tree Physiology</i> , 2013, 33, 913-923.	3.1	88
72	A Review of 2000 Years of Paleoclimatic Evidence in the Mediterranean. , 2012, , 87-185.		86

#	ARTICLE	IF	CITATIONS
73	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.	3.4	86
74	The value of crossdating to retain high-frequency variability, climate signals, and extreme events in environmental proxies. <i>Global Change Biology</i> , 2016, 22, 2582-2595.	9.5	86
75	Ecometrics: The traits that bind the past and present together. <i>Integrative Zoology</i> , 2010, 5, 88-101.	2.6	83
76	Tree-Ring-Reconstructed Summer Temperatures from Northwestern North America during the Last Nine Centuries*. <i>Journal of Climate</i> , 2013, 26, 3001-3012.	3.2	82
77	History matters: ecometrics and integrative climate change biology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1131-1140.	2.6	81
78	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.	3.3	81
79	Quantification of uncertainties in conifer sap flow measured with the thermal dissipation method. <i>New Phytologist</i> , 2018, 219, 1283-1299.	7.3	81
80	Multi-proxy reconstructions of northeastern Pacific sea surface temperature data from trees and Pacific geoduck. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 278, 40-47.	2.3	80
81	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.	2.2	80
82	Couplings in cell differentiation kinetics mitigate air temperature influence on conifer wood anatomy. <i>Plant, Cell and Environment</i> , 2019, 42, 1222-1232.	5.7	80
83	Mongolian tree-rings, temperature sensitivity and reconstructions of Northern Hemisphere temperature. <i>Holocene</i> , 2000, 10, 669-672.	1.7	79
84	Title is missing!. <i>Climatic Change</i> , 2001, 49, 239-246.	3.6	77
85	The influence of the de Vries ( $\sim 1/4$ 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.	2.3	77
86	Uniform growth trends among central Asian low- and high-elevation juniper tree sites. <i>Trees - Structure and Function</i> , 2007, 21, 141-150.	1.9	76
87	Temperature variability over the past millennium inferred from Northwestern Alaska tree rings. <i>Climate Dynamics</i> , 2005, 24, 227-236.	3.8	75
88	Impacts of land cover and climate data selection on understanding terrestrial carbon dynamics and the CO <sub>2</sub> airborne fraction. <i>Biogeosciences</i> , 2011, 8, 2027-2036.	3.3	75
89	Coincidences of climate extremes and anomalous vegetation responses: comparing tree ring patterns to simulated productivity. <i>Biogeosciences</i> , 2015, 12, 373-385.	3.3	75
90	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.	3.6	74

#	ARTICLE	IF	CITATIONS
91	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.	3.6	70
92	A noodle, hockey stick, and spaghetti plate: a perspective on high-resolution paleoclimatology. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2010, 1, 507-516.	8.1	68
93	Improved tree-ring archives will support earth-system science. <i>Nature Ecology and Evolution</i> , 2017, 1, 8.	7.8	68
94	Variability and extremes of northern Scandinavian summer temperatures over the past two millennia. <i>Global and Planetary Change</i> , 2012, 88-89, 1-9.	3.5	67
95	Varying boreal forest response to Arctic environmental change at the Firth River, Alaska. <i>Environmental Research Letters</i> , 2011, 6, 045503.	5.2	65
96	Six centuries of variability and extremes in a coupled marine-terrestrial ecosystem. <i>Science</i> , 2014, 345, 1498-1502.	12.6	65
97	Swiss spring plant phenology 2007: Extremes, a multi-century perspective, and changes in temperature sensitivity. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	64
98	500 years of regional forest growth variability and links to climatic extreme events in Europe. <i>Environmental Research Letters</i> , 2012, 7, 045705.	5.2	61
99	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.	1.7	61
100	Multi-archive summer temperature reconstruction for the European Alps, AD 1053–1996. <i>Quaternary Science Reviews</i> , 2012, 46, 66-79.	3.0	59
101	Tree growth and inferred temperature variability at the North American Arctic treeline. <i>Global and Planetary Change</i> , 2009, 65, 71-82.	3.5	57
102	A Combined Tree Ring and Vegetation Model Assessment of European Forest Growth Sensitivity to Interannual Climate Variability. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1226-1240.	4.9	54
103	Three centuries of Slovakian drought dynamics. <i>Climate Dynamics</i> , 2010, 35, 315-329.	3.8	51
104	Forest diversity promotes individual tree growth in central European forest stands. <i>Journal of Applied Ecology</i> , 2017, 54, 71-79.	4.0	51
105	A pan-European summer teleconnection mode recorded by a new temperature reconstruction from the northeastern Mediterranean (1768–2008). <i>Holocene</i> , 2012, 22, 887-898.	1.7	50
106	The IPCC on a heterogeneous Medieval Warm Period. <i>Climatic Change</i> , 2009, 94, 267-273.	3.6	48
107	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.	3.8	47
108	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.	5.8	47

#	ARTICLE	IF	CITATIONS
109	Assessing the spatial signature of European climate reconstructions. <i>Climate Research</i> , 2010, 41, 125-130.	1.1	47
110	Solar and volcanic fingerprints in tree-ring chronologies over the past 2000years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 313-314, 127-139.	2.3	45
111	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.	3.5	43
112	A Wood Biology Agenda to Support Global Vegetation Modelling. <i>Trends in Plant Science</i> , 2018, 23, 1006-1015.	8.8	42
113	Moisture stress of a hydrological year on tree growth in the Tibetan Plateau and surroundings. <i>Environmental Research Letters</i> , 2015, 10, 034010.	5.2	41
114	Inner Alpine conifer response to 20th century drought swings. <i>European Journal of Forest Research</i> , 2010, 129, 289-298.	2.5	40
115	Causes and Consequences of Past and Projected Scandinavian Summer Temperatures, 500â€“2100 AD. <i>PLoS ONE</i> , 2011, 6, e25133.	2.5	39
116	200Âyears of European temperature variability: insights from and tests of the proxy surrogate reconstruction analog method. <i>Climate Dynamics</i> , 2011, 37, 133-150.	3.8	38
117	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.	3.6	37
118	Synoptic drivers of 400Âyears of summer temperature and precipitation variability on Mt. Olympus, Greece. <i>Climate Dynamics</i> , 2015, 45, 807-824.	3.8	37
119	Kunashir (Kuriles) Oak 400-year reconstruction of temperature and relation to the Pacific Decadal Oscillation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 209, 303-311.	2.3	36
120	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.	5.8	35
121	Climate sensitivity of Mediterranean pine growth reveals distinct east-west dipole. <i>International Journal of Climatology</i> , 2015, 35, 2503-2513.	3.5	34
122	RAPTOR: Row and position tracheid organizer in R. <i>Dendrochronologia</i> , 2018, 47, 10-16.	2.2	34
123	Frequency-dependent signals in multi-centennial oak vessel data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 275, 92-99.	2.3	32
124	Converging Climate Sensitivities of European Forests Between Observed Radial Tree Growth and Vegetation Models. <i>Ecosystems</i> , 2018, 21, 410-425.	3.4	32
125	Environmental change during the AllerÃd and Younger Dryas reconstructed from Swiss tree-ring data. <i>Boreas</i> , 2008, 37, 74-86.	2.4	30
126	Swiss tree rings reveal warm and wet summers during medieval times. <i>Geophysical Research Letters</i> , 2014, 41, 1732-1737.	4.0	30



#	ARTICLE	IF	CITATIONS
127	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.	3.2	30
128	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.	5.7	30
129	Dendroecological reconstruction of disturbance history of an old-growth mixed sessile oak-beech forest. <i>Journal of Vegetation Science</i> , 2017, 28, 117-127.	2.2	29
130	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.	3.2	28
131	Intramolecular <sup>13</sup> C analysis of tree rings provides multiple plant ecophysiology signals covering decades. <i>Scientific Reports</i> , 2018, 8, 5048.	3.3	26
132	Methods to merge overlapping tree-ring isotope series to generate multi-centennial chronologies. <i>Chemical Geology</i> , 2012, 294-295, 127-134.	3.3	25
133	Ecosystem functioning is enveloped by hydrometeorological variability. <i>Nature Ecology and Evolution</i> , 2017, 1, 1263-1270.	7.8	25
134	Synchronous variability changes in Alpine temperature and tree-ring data over the past two centuries. <i>Boreas</i> , 2005, 34, 498-505.	2.4	24
135	An empirical perspective for understanding climate change impacts in Switzerland. <i>Regional Environmental Change</i> , 2018, 18, 205-221.	2.9	23
136	Exploration of long-term growth changes using the tree-ring detrending program "Spotty". <i>Dendrochronologia</i> , 2009, 27, 75-82.	2.2	22
137	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.	3.5	22
138	Reconstructed warm season temperatures for Nome, Seward Peninsula, Alaska. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	21
139	Adding Tree Rings to North America's National Forest Inventories: An Essential Tool to Guide Drawdown of Atmospheric CO <sub>2</sub> . <i>BioScience</i> , 2022, 72, 233-246.	4.9	18
140	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
141	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.	2.0	15
142	Varying boreal forest response to Arctic environmental change at the Firth River, Alaska. <i>Environmental Research Letters</i> , 2011, 6, 049502.	5.2	12
143	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.	3.1	12
144	Comment on "Late 20th century growth acceleration in Greek firs ( <i>Abies cephalonica</i> ) from Cephalonica Island, Greece: A CO <sub>2</sub> fertilization effect?". <i>Dendrochronologia</i> , 2009, 27, 223-227.	2.2	11

#	ARTICLE	IF	CITATIONS
145	Climate-mediated spatiotemporal variability in terrestrial productivity across Europe. <i>Biogeosciences</i> , 2014, 11, 3057-3068.	3.3	10
146	On Selected Issues and Challenges in Dendroclimatology. <i>Landscape Series</i> , 2007, , 113-132.	0.2	10
147	Tree rings track climate trade-offs. <i>Nature</i> , 2015, 523, 531-531.	27.8	6
148	Time-varying relationships among oceanic and atmospheric modes: A turning point at around 1940. <i>Quaternary International</i> , 2018, 487, 12-25.	1.5	6
149	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.	1.4	5
150	An intensive tree-ring experience: Connecting education and research during the 25th European Dendroecological Fieldweek (Asturias, Spain). <i>Dendrochronologia</i> , 2017, 42, 80-93.	2.2	5
151	Dendrochronology: Fundamentals and Innovations. <i>Tree Physiology</i> , 2022, , 21-59.	2.5	5
152	An interdecadal climate dipole between Northeast Asia and Antarctica over the past five centuries. <i>Climate Dynamics</i> , 2019, 52, 765-775.	3.8	4
153	Predicting spatiotemporal variability in radial tree growth at the continental scale with machine learning. , 2022, 1, .		4
154	Climate variability – observations, reconstructions, and model simulations for the Atlantic-European and Alpine region from 1500–2100 AD. , 2006, , 9-29.		3
155	Evidence of Environmental Change from Annually Resolved Proxies with Particular Reference to Dendrochronology and the Last Millennium. , 0, , 320-344.		3
156	Dendroclimatological evidence for major volcanic events of the past two millennia. <i>Geophysical Monograph Series</i> , 2003, , 255-261.	0.1	2