Rob J S Wilson

List of Publications by Year
in descending order

#	Article	IF	Citations
1	On the â€˜Divergence Problemâ€™ in Northern Forests: A review of the tree-ring evidence and possible causes. Global and Planetary Change, 2008, 60, 289-305.	3.5	646
2	Old World megadroughts and pluvials during the Common Era. Science Advances, 2015, 1, e1500561.	10.3	403
3	On the long-term context for late twentieth century warming. Journal of Geophysical Research, 2006, 111, .	3.3	323
4	Last millennium northern hemisphere summer temperatures from tree rings: Part I: The long term context. Quaternary Science Reviews, 2016, 134, 1-18.	3.0	314
5	Site- and species-specific responses of forest growth to climate across the European continent. Global Ecology and Biogeography, 2013, 22, 706-717.	5.8	297
6	Orbital forcing of tree-ring data. Nature Climate Change, 2012, 2, 862-866.	18.8	232
7	Monthly, seasonal and annual temperature reconstructions for Central Europe derived from documentary evidence and instrumental records since AD 1500. Climatic Change, 2010, 101, 69-107.	3.6	189
8	Effect of scaling and regression on reconstructed temperature amplitude for the past millennium. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	188
9	Summer temperatures in the Canadian Rockies during the last millennium: a revised record. Climate Dynamics, 2005, 24, 131-144.	3.8	186
10	Last millennium Northern Hemisphere summer temperatures from tree rings: Part II, spatially resolved reconstructions. Quaternary Science Reviews, 2017, 163, 1-22.	3.0	165
11	Reconstructing ENSO: the influence of method, proxy data, climate forcing and teleconnections. Journal of Quaternary Science, 2010, 25, 62-78.	2.1	145
12	On the Asian expression of the PDO. International Journal of Climatology, 2006, 26, 1607-1617.	3.5	143
13	Testing for treeâ€ring divergence in the European Alps. Global Change Biology, 2008, 14, 2443-2453.	9.5	141
14	On the variability of ENSO over the past six centuries. Geophysical Research Letters, 2005, 32, .	4.0	139
15	Tree rings and volcanic cooling. Nature Geoscience, 2012, 5, 836-837.	12.9	137
16	A matter of divergence: Tracking recent warming at hemispheric scales using tree ring data. Journal of Geophysical Research, 2007, 112, .	3.3	136
17	Revising midlatitude summer temperatures back to A.D.â€‰600 based on a wood density network. Geophysical Research Letters, 2015, 42, 4556-4562.	4.0	134
18	Dendroclimatic reconstruction of maximum summer temperatures from upper treeline sites in Interior British Columbia, Canada. Holocene, 2003, 13, 851-861.	1.7	130

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19	Temporal instability in tree-growth/climate response in the Lower Bavarian Forest region: implications for dendroclimatic reconstruction. Trees - Structure and Function, 2004, 18, 19-28.	1.9	122
20	Temperature-sensitive Tien Shan tree ring chronologies show multi-centennial growth trends. Climate Dynamics, 2003, 21, 699-706.	3.8	121
21	Climate reconstructions: Low-frequency ambition and high-frequency ratification. Eos, 2004, 85, 113.	0.1	119
22	Multiple stable isotopes from oak trees in southwestern Scotland and the potential for stable isotope dendroclimatology in maritime climatic regions. Chemical Geology, 2008, 252, 62-71.	3.3	119
23	A 500 year dendroclimatic reconstruction of spring-summer precipitation from the lower Bavarian Forest region, Germany. International Journal of Climatology, 2005, 25, 611-630.	3.5	110
24	Blue intensity for dendroclimatology: Should we have the blues? Experiments from Scotland. Dendrochronologia, 2014, 32, 191-204.	2.2	101
25	The impact of volcanic forcing on tropical temperatures during the past four centuries. Nature Geoscience, 2009, 2, 51-56.	12.9	99
26	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. Nature Communications, 2018, 9, 3605.	12.8	98
27	Scientific Merits and Analytical Challenges of Treeâ€Ring Densitometry. Reviews of Geophysics, 2019, 57, 1224-1264.	23.0	98
28	Climate: past ranges and future changes. Quaternary Science Reviews, 2005, 24, 2164-2166.	3.0	95
29	Volcanic cooling signal in tree ring temperature records for the past millennium. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9000-9010.	3.3	94
30	A millennial long Marchâ€“July precipitation reconstruction for southern-central England. Climate Dynamics, 2013, 40, 997-1017.	3.8	88
31	Cycles and shifts: 1,300Âyears of multi-decadal temperature variability in the Gulf of Alaska. Climate Dynamics, 2007, 28, 425-440.	3.8	87
32	Five centuries of Stockholm winter/spring temperatures reconstructed from documentary evidence and instrumental observations. Climatic Change, 2010, 101, 109-141.	3.6	87
33	Large-scale, millennial-length temperature reconstructions from tree-rings. Dendrochronologia, 2018, 50, 81-90.	2.2	83
34	Contrasting waterâ€uptake and growth responses to drought in coâ€occurring riparian tree species. Ecohydrology, 2013, 6, 402-412.	2.4	82
35	Tropicalâ€“North Pacific Climate Linkages over the Past Four Centuries*. Journal of Climate, 2005, 18, 5253-5265.	3.2	79
36	Disproportionately strong climate forcing from extratropical explosive volcanic eruptions. Nature Geoscience, 2019, 12, 100-107.	12.9	79

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37	Monsoon drought over Java, Indonesia, during the past two centuries. Geophysical Research Letters, 2006, 33, .	4.0	77
38	Uniform growth trends among central Asian low- and high-elevation juniper tree sites. Trees - Structure and Function, 2007, 21, 141-150.	1.9	76
39	Temperature variability over the past millennium inferred from Northwestern Alaska tree rings. Climate Dynamics, 2005, 24, 227-236.	3.8	75
40	Two-hundred-fifty years of reconstructed and modeled tropical temperatures. Journal of Geophysical Research, 2006, 111, .	3.3	74
41	A tree-ring reconstruction of the South Asian summer monsoon index over the past millennium. Scientific Reports, 2014, 4, 6739.	3.3	69
42	A noodle, hockey stick, and spaghetti plate: a perspective on highâ€resolution paleoclimatology. Wiley Interdisciplinary Reviews: Climate Change, 2010, 1, 507-516.	8.1	68
43	Blue Intensity for dendroclimatology: The BC blues: A case study from British Columbia, Canada. Holocene, 2014, 24, 1428-1438.	1.7	67
44	Circulation dynamics and its influence on European and Mediterranean Januaryâ€“April climate over the past half millennium: results and insights from instrumental data, documentary evidence and coupled climate models. Climatic Change, 2010, 101, 201-234.	3.6	63
45	Surface air temperature variability reconstructed with tree rings for the Gulf of Alaska over the past 1200 years. Holocene, 2014, 24, 198-208.	1.7	61
46	The influence of decision-making in tree ring-based climate reconstructions. Nature Communications, 2021, 12, 3411.	12.8	59
47	A reconstructed Siberian High index since A.D. 1599 from Eurasian and North American tree rings. Geophysical Research Letters, 2005, 32, .	4.0	57
48	Tree growth and inferred temperature variability at the North American Arctic treeline. Global and Planetary Change, 2009, 65, 71-82.	3.5	57
49	A tree-ring reconstruction of East Anglian (UK) hydroclimate variability over the last millennium. Climate Dynamics, 2013, 40, 1019-1039.	3.8	55
50	A Combined Tree Ring and Vegetation Model Assessment of European Forest Growth Sensitivity to Interannual Climate Variability. Global Biogeochemical Cycles, 2018, 32, 1226-1240.	4.9	54
51	Reconstructing 800Âyears of summer temperatures in Scotland from tree rings. Climate Dynamics, 2017, 49, 2951-2974.	3.8	53
52	El NiÃ±o and Indian Ocean influences on Indonesian drought: implications for forecasting rainfall and crop productivity. International Journal of Climatology, 2008, 28, 611-616.	3.5	51
53	Reconstructions of surface ocean conditions from the northeast Atlantic and Nordic seas during the last millennium. Holocene, 2013, 23, 921-935.	1.7	49
54	Assessing the spatial signature of European climate reconstructions. Climate Research, 2010, 41, 125-130.	1.1	47

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55	Floodplain ecohydrology: Climatic, anthropogenic, and local physical controls on partitioning of water sources to riparian trees. Water Resources Research, 2014, 50, 4490-4513.	4.2	46
56	Blue intensity from a tropical coniferâ€™s annual rings for climate reconstruction: An ecophysiological perspective. Dendrochronologia, 2018, 50, 10-22.	2.2	46
57	The reconstructed Indonesian warm pool sea surface temperatures from tree rings and corals: Linkages to Asian monsoon drought and El NiÃ±o-Southern Oscillation. Paleoceanography, 2006, 21, .	3.0	45
58	High resolution Î´18O and Î´13C records from an annually laminated Scottish stalagmite and relationship with last millennium climate. Global and Planetary Change, 2011, 79, 303-311.	3.5	45
59	An experimental 392-year documentary-based multi-proxy (vine and grain) reconstruction of May-July temperatures for KÅ‘szeg, West-Hungary. International Journal of Biometeorology, 2011, 55, 595-611.	3.0	45
60	Tree-ring reconstruction of maximum and minimum temperatures and the diurnal temperature range in British Columbia, Canada. Dendrochronologia, 2002, 20, 257-268.	2.2	44
61	Decadalâ€“Interdecadal Climate Variability over Antarctica and Linkages to the Tropics: Analysis of Ice Core, Instrumental, and Tropical Proxy Data. Journal of Climate, 2012, 25, 7421-7441.	3.2	44
62	Dendroclimatology of high-elevation <i>Nothofagus pumilio </i>forests at their northern distribution limit in the central Andes of Chile. Canadian Journal of Forest Research, 2001, 31, 925-936.	1.7	44
63	European temperature records of the past five centuries based on documentary/instrumental information compared to climate simulations. Climatic Change, 2010, 101, 143-168.	3.6	43
64	Facilitating tree-ring dating of historic conifer timbers using Blue Intensity. Journal of Archaeological Science, 2017, 78, 99-111.	2.4	43
65	Improved dendroclimatic calibration using blue intensity in the southern Yukon. Holocene, 2019, 29, 1817-1830.	1.7	42
66	The Impact of Industrial SO2 Pollution on North Bohemia Conifers. Water, Air, and Soil Pollution, 2012, 223, 5727-5744.	2.4	41
67	Quantifying uncertainty in isotope dendroclimatology. Holocene, 2013, 23, 1221-1226.	1.7	39
68	Documentary data provide evidence of Stockholm average winter to spring temperatures in the eighteenth and nineteenth centuries. Holocene, 2008, 18, 333-343.	1.7	38
69	Utilising historical tree-ring data for dendroclimatology: A case study from the Bavarian Forest, Germany. Dendrochronologia, 2004, 21, 53-68.	2.2	36
70	Experiments based on blue intensity for reconstructing North Pacific temperatures along the Gulf of Alaska. Climate of the Past, 2017, 13, 1007-1022.	3.4	34
71	Pacific and Indian Ocean climate signals in a treeâ€ring record of Java monsoon drought. International Journal of Climatology, 2008, 28, 1889-1901.	3.5	33
72	Violins and climate. Theoretical and Applied Climatology, 2004, 77, 9-24.	2.8	31

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73	Reconstructing Holocene climate from tree rings: The potential for a long chronology from the Scottish Highlands. Holocene, 2012, 22, 3-11.	1.7	31
74	On the long-term interannual variability of the east Asian winter monsoon. Geophysical Research Letters, 2005, 32, .	4.0	29
75	Detection and removal of disturbance trends in tree-ring series for dendroclimatology. Canadian Journal of Forest Research, 2016, 46, 387-401.	1.7	29
76	Inferred summer precipitation for southern Ontario back to AD 610, as reconstructed from ring widths of Thuja occidentalis. Canadian Journal of Forest Research, 2004, 34, 2541-2553.	1.7	28
77	Effects of Memory Biases on Variability of Temperature Reconstructions. Journal of Climate, 2019, 32, 8713-8731.	3.2	28
78	Spatial reconstruction of Scottish summer temperatures from tree rings. International Journal of Climatology, 2017, 37, 1540-1556.	3.5	26
79	Influence of sampling and disturbance history on climatic sensitivity of temperature-limited conifers. Holocene, 2018, 28, 1574-1587.	1.7	26
80	Increased Eurasian-tropical temperature amplitude difference in recent centuries: Implications for the Asian monsoon. Geophysical Research Letters, 2006, 33, .	4.0	25
81	The potential of Arctica islandica growth records to reconstruct coastal climate in north west Scotland, UK. Quaternary Science Reviews, 2010, 29, 1602-1613.	3.0	25
82	Synchronous variability changes in Alpine temperature and tree-ring data over the past two centuries. Boreas, 2005, 34, 498-505.	2.4	24
83	Reconstructed warm season temperatures for Nome, Seward Peninsula, Alaska. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	21
84	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
85	The unidentified eruption of 1809: a climatic cold case. Climate of the Past, 2021, 17, 1455-1482.	3.4	19
86	Spatial reconstruction of summer temperatures in Central Europe for the last 500 years using annually resolved proxy records: problems and opportunities. Boreas, 2005, 34, 490-497.	2.4	17
87	Yellow-cedar blue intensity tree-ring chronologies as records of climate in Juneau, Alaska, USA. Canadian Journal of Forest Research, 2019, 49, 1483-1492.	1.7	16
88	I-BIND: International Blue intensity network development working group. Dendrochronologia, 2021, 68, 125859.	2.2	16
89	Delta blue intensity vs. maximum density: A case study using Pinus uncinata in the Pyrenees. Dendrochronologia, 2020, 61, 125706.	2.2	16
90	Accelerated Recent Warming and Temperature Variability Over the Past Eight Centuries in the Central Asian Altai From Blue Intensity in Tree Rings. Geophysical Research Letters, 2021, 48, e2021GL092933.	4.0	15

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91	Regional climatic and North Atlantic Oscillation signatures in West Virginia red cedar over the past millennium. Global and Planetary Change, 2012, 84-85, 8-13.	3.5	14
92	Dendroclimatic signals deduced from riparian versus upland forest interior pines in North Karelia, Finland. Ecological Research, 2013, 28, 1019-1028.	1.5	14
93	Tree-ring reconstructed temperature index for coastal northern Japan: implications for western North Pacific variability. International Journal of Climatology, 2015, 35, 3713-3720.	3.5	14
94	Complexity in crisis: The volcanic cold pulse of the 1690s and the consequences of Scotland's failure to cope. Journal of Volcanology and Geothermal Research, 2020, 389, 106746.	2.1	14
95	Evaluating the dendroclimatological potential of blue intensity on multiple conifer species from Tasmania and New Zealand. Biogeosciences, 2021, 18, 6393-6421.	3.3	13
96	Exploring for senescence signals in native scots pine (Pinus sylvestris L.) in the Scottish Highlands. Forest Ecology and Management, 2010, 260, 321-330.	3.2	12
97	Coupled Modes of North Atlantic Oceanâ€Atmosphere Variability and the Onset of the Little Ice Age. Geophysical Research Letters, 2019, 46, 12417-12426.	4.0	10
98	Orbital Forcing Strongly Influences Seasonal Temperature Trends During the Last Millennium. Geophysical Research Letters, 2021, 48, e2020GL088776.	4.0	10
99	Regional Patterns of Late Medieval and Early Modern European Building Activity Revealed by Felling Dates. Frontiers in Ecology and Evolution, 2022, 9, .	2.2	8
100	Prospects for dendroanatomy in paleoclimatology â€" a case study on <i>Picea engelmannii</i> from the Canadian Rockies. Climate of the Past, 2022, 18, 1151-1168.	3.4	7
101	Dendrochronologically Dated Pine Buildings from Scotland: The SCOT2K Native Pine Dendrochronology Project. Vernacular Architecture, 2017, 48, 23-43.	0.3	6
102	A preliminary study into the use of tree-ring and foliar geochemistry as bio-indicators for vehicular NO_xpollution in Malta. Isotopes in Environmental and Health Studies, 2021, 57, 301-315.	1.0	3
103	Lake sonar surveys and the search for sub-fossil wood. Dendrochronologia, 2012, 30, 61-65.	2.2	2