Willy Tegel

List of Publications by Year
in descending order

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74 papers	5,181 citations	186265 28 h-index	88630 70 g-index
76 all docs	76 docs citations	76 times ranked	5495 citing authors

#	Article	IF	Citations
1	2500 Years of European Climate Variability and Human Susceptibility. Science, 2011, 331, 578-582.	12.6	1,154
2	Cooling and societal change during the Late Antique Little Ice Age from 536 to around 660 AD. Nature Geoscience, 2016, 9, 231-236.	12.9	596
3	Climate Change during and after the Roman Empire: Reconstructing the Past from Scientific and Historical Evidence. Journal of Interdisciplinary History, 2012, 43, 169-220.	0.0	405
4	Old World megadroughts and pluvials during the Common Era. Science Advances, 2015, 1, e1500561.	10.3	403
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	Recent European drought extremes beyond Common Era background variability. Nature Geoscience, 2021, 14, 190-196.	12.9	183
7	Filling the Eastern European gap in millennium-long temperature reconstructions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1773-1778.	7.1	131
8	A recent growth increase of European beech (Fagus sylvatica L.) at its Mediterranean distribution limit contradicts drought stress. European Journal of Forest Research, 2014, 133, 61-71.	2.5	115
9	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. Nature Communications, 2018, 9, 3605.	12.8	98
10	Drought-induced decline in Mediterranean truffle harvest. Nature Climate Change, 2012, 2, 827-829.	18.8	90
11	Placing unprecedented recent fir growth in a Europeanâ€wide and Holoceneâ€long context. Frontiers in Ecology and the Environment, 2014, 12, 100-106.	4.0	90
12	Temperatureâ€induced recruitment pulses of Arctic dwarf shrub communities. Journal of Ecology, 2015, 103, 489-501.	4.0	90
13	Early Neolithic Water Wells Reveal the World's Oldest Wood Architecture. PLoS ONE, 2012, 7, e51374.	2.5	86
14	Tree mortality of European beech and Norway spruce induced by 2018-2019 hot droughts in central Germany. Agricultural and Forest Meteorology, 2021, 307, 108482.	4.8	86
15	Updating historical tree-ring records for climate reconstruction. Quaternary Science Reviews, 2010, 29, 1957-1959.	3.0	75
16	Diverse growth trends and climate responses across Eurasiaâ€™s boreal forest. Environmental Research Letters, 2016, 11, 074021.	5.2	75
17	Highâ€Throughput <scp>DNA</scp> sequencing of ancient wood. Molecular Ecology, 2018, 27, 1138-1154.	3.9	73
18	New Tree-Ring Evidence from the Pyrenees Reveals Western Mediterranean Climate Variability since Medieval Times. Journal of Climate, 2017, 30, 5295-5318.	3.2	62

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19	Potential and limitations of Burgundy truffle cultivation. Applied Microbiology and Biotechnology, 2013, 97, 5215-5224.	3.6	60
20	Spatial distribution and ecological variation of re-discovered German truffle habitats. Fungal Ecology, 2012, 5, 591-599.	1.6	54
21	Combined dendro-documentary evidence of Central European hydroclimatic springtime extremes over the last millennium. Quaternary Science Reviews, 2011, 30, 3947-3959.	3.0	46
22	Climate sensitivity of a millennium-long pine chronology from Albania. Climate Research, 2012, 51, 217-228.	1.1	41
23	Tracing the origin of Arctic driftwood. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 68-76.	3.0	37
24	Truffles and climate change. Frontiers in Ecology and the Environment, 2011, 9, 150-151.	4.0	35
25	Digitizing Historical Plague. Clinical Infectious Diseases, 2012, 55, 1586-1588.	5.8	35
26	Climate sensitivity of Mediterranean pine growth reveals distinct east-west dipole. International Journal of Climatology, 2015, 35, 2503-2513.	3.5	34
27	Tree-Ring Amplification of the Early Nineteenth-Century Summer Cooling in Central Europea. Journal of Climate, 2015, 28, 5272-5288.	3.2	33
28	Linking European building activity with plague history. Journal of Archaeological Science, 2018, 98, 81-92.	2.4	33
29	Evaluating the wood anatomical and dendroecological potential of arctic dwarf shrub communities. IAWA Journal, 2013, 34, 485-497.	2.7	32
30	Eneolithic pile dwellings south of the Alps precisely dated with tree-ring chronologies from the north. Dendrochronologia, 2015, 35, 91-98.	2.2	29
31	Fine-scale genetic structure of natural Tuber aestivum sites in southern Germany. Mycorrhiza, 2016, 26, 895-907.	2.8	27
32	New tree-ring evidence for the Late Glacial period from the northern pre-Alps in eastern Switzerland. Quaternary Science Reviews, 2018, 186, 215-224.	3.0	27
33	New Insights into the Complex Relationship between Weight and Maturity of Burgundy Truffles (Tuber) Tj ETQq1 1 0.784314 rgBT /O	2.5	27
34	Long-term irrigation effects on Spanish holm oak growth and its black truffle symbiont. Agriculture, Ecosystems and Environment, 2015, 202, 148-159.	5.3	25
35	Effects of sample size in dendroclimatology. Climate Research, 2012, 53, 263-269.	1.1	25
36	Extraterrestrial confirmation of tree-ring dating. Nature Climate Change, 2014, 4, 404-405.	18.8	24

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37	Timber Logging in Central Siberia is the Main Source for Recent Arctic Driftwood. Arctic, Antarctic, and Alpine Research, 2015, 47, 449-460.	1.1	24
38	New evidence for the symbiosis between Tuber aestivum and Picea abies. Mycorrhiza, 2013, 23, 669-673.	2.8	23
39	Radiocarbon offsets and old world chronology as relevant to Mesopotamia, Egypt, Anatolia and Thera (Santorini). Scientific Reports, 2020, 10, 13785.	3.3	23
40	Dendro-provenancing of Arctic driftwood. Quaternary Science Reviews, 2017, 162, 1-11.	3.0	20
41	Predicted climate change will increase the truffle cultivation potential in central Europe. Scientific Reports, 2020, 10, 21281.	3.3	20
42	Dendrochronological evidence for long-distance timber trading in the Roman Empire. PLoS ONE, 2019, 14, e0224077.	2.5	19
43	European tree-ring data and the Medieval Climate Anomaly. PAGES News, 2011, 19, 14-15.	0.1	19
44	Tree rings reveal signs of Europeâ€™s sustainable forest management long before the first historical evidence. Scientific Reports, 2020, 10, 21832.	3.3	17
45	Dendrochronological evidence of cockchafer (Melolontha sp.) outbreaks in subfossil tree-trunks from TovaÄov (CZ Moravia). Dendrochronologia, 2013, 31, 29-33.	2.2	16
46	A multidisciplinary drought catalogue for southwestern Germany dating back toÂ1801. Natural Hazards and Earth System Sciences, 2020, 20, 2979-2995.	3.6	16
47	New dendroarchaeological evidence of water well constructions reveals advanced Early Neolithic craftsman skills. Dendrochronologia, 2018, 50, 98-104.	2.2	15
48	Higher groundwater levels in western Europe characterize warm periods in the Common Era. Scientific Reports, 2020, 10, 16284.	3.3	15
49	Commentary to Wetter et al. (2014): Limited tree-ring evidence for a 1540 European â€˜Megadroughtâ€™. Climatic Change, 2015, 131, 183-190.	3.6	14
50	Dendroarchaeological evidence of early medieval water mill technology. Journal of Archaeological Science, 2018, 93, 17-25.	2.4	14
51	Regional coherency of boreal forest growth defines Arctic driftwood provenancing. Dendrochronologia, 2016, 39, 3-9.	2.2	13
52	Reply to 'Limited Late Antique cooling'. Nature Geoscience, 2017, 10, 243-243.	12.9	13
53	Illuminating Intcal During the Younger Dryas. Radiocarbon, 2020, 62, 883-889.	1.8	13
54	Reply to Holtzman and Gallagher. Clinical Infectious Diseases, 2012, 55, 1586-1586.	5.8	12

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55	Speed Dating: A Rapid Way to Determine the Radiocarbon Age of Wood by EA-AMS. Radiocarbon, 2017, 59, 933-939.	1.8	12
56	Ecological indicators of Tuber aestivum habitats in temperate European beech forests. Fungal Ecology, 2017, 29, 59-66.	1.6	12
57	Dendroarchaeology in Europe. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	12
58	World's oldest dendrochronologically dated archaeological wood construction. Journal of Archaeological Science, 2020, 115, 105082.	2.4	11
59	Cruising an archive: On the palaeoclimatic value of the Lena Delta. Holocene, 2014, 24, 627-630.	1.7	10
60	Global tree-ring response and inferred climate variation following the mid-thirteenth century Samalas eruption. Climate Dynamics, 2022, 59, 531-546.	3.8	9
61	The wood of Merovingian weaponry. Journal of Archaeological Science, 2016, 65, 148-153.	2.4	8
62	Rapid 14C excursion at 3372-3371 BCE not observed at two different locations. Nature Communications, 2021, 12, 712.	12.8	8
63	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
64	Jet stream position explains regional anomalies in European beech forest productivity and tree growth. Nature Communications, 2022, 13, 2015.	12.8	8
65	Illuminating the mysterious world of truffles. Frontiers in Ecology and the Environment, 2012, 10, 462-463.	4.0	7
66	Tree rings reveal dry conditions during Charlemagneâ€™s Fossa Carolina construction in 793 CE. Quaternary Science Reviews, 2020, 227, 106040.	3.0	6
67	Understanding the performance of truffle dogs. Journal of Veterinary Behavior: Clinical Applications and Research, 2022, 52-53, 8-13.	1.2	5
68	Missing link in Late Antiquity? A critical examination of Hollsteinâ€™s Central European Oak Chronology. Dendrochronologia, 2019, 54, 20-28.	2.2	4
69	Forest Historyâ€"New Perspectives for an Old Discipline. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	4
70	Eco-archaeological excavation techniques reveal snapshots of subterranean truffle growth. Fungal Biology, 2021, 125, 951-961.	2.5	3
71	All-clear for gourmets: truffles not radioactive. Biogeosciences, 2016, 13, 1145-1147.	3.3	2
72	Historical Forest Management Practices Influence Tree-Ring Based Climate Reconstructions. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	2

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73	Regional Drought Conditions Control Quercus brantii Lindl. Growth within Contrasting Forest Stands in the Central Zagros Mountains, Iran. Forests, 2022, 13, 495.	2.1	2
74	Wood anatomy and construction technique of Late Bronze Age rural cartwheels. Journal of Archaeological Science: Reports, 2016, 7, 123-128.	0.5	1