MiloÅ¡ Rydval

List of Publications by Year
in descending order

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31
papers

1,463
citations

430874
18
h-index

434195
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37
all docs

37
docs citations

37
times ranked

1455
citing authors

#	Article	IF	Citations
1	Trends in climatically driven extreme growth reductions of <i>Picea abies</i> and <i>Pinus sylvestris</i> in Central Europe. Global Change Biology, 2022, 28, 557-570.	9.5	13
2	Climate-change-driven growth decline of European beech forests. Communications Biology, 2022, 5, 163.	4.4	89
3	Jet stream position explains regional anomalies in European beech forest productivity and tree growth. Nature Communications, 2022, 13, 2015.	12.8	8
4	Spatial and temporal extents of natural disturbances differentiate deadwood-inhabiting fungal communities in spruce primary forest ecosystems. Forest Ecology and Management, 2022, 517, 120272.	3.2	5
5	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
6	Increasing water-use efficiency mediates effects of atmospheric carbon, sulfur, and nitrogen on growth variability of central European conifers. Science of the Total Environment, 2022, 838, 156483.	8.0	4
7	Both Cycloneâ€ïnduced and Convective Storms Drive Disturbance Patterns in European Primary Beech Forests. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033929.	3.3	12
8	Age and size outperform topographic effects on growth-climate responses of trees in two Central European coniferous forest types. Dendrochronologia, 2021, 68, 125845.	2.2	8
9	Natural disturbance impacts on trade-offs and co-benefits of forest biodiversity and carbon. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211631.	2.6	19
10	Assessing non-linearity in European temperature-sensitive tree-ring data. Dendrochronologia, 2020, 59, 125652.	2.2	26
11	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
12	Climate-growth relationships of Norway Spruce and silver fir in primary forests of the Croatian Dinaric mountains. Agricultural and Forest Meteorology, 2020, 288-289, 108000.	4.8	9
13	Climatic drivers of Picea growth differ during recruitment and interact with disturbance severity to influence rates of canopy replacement. Agricultural and Forest Meteorology, 2020, 287, 107981.	4.8	9
14	Scientific Merits and Analytical Challenges of Treeâ€Řing Densitometry. Reviews of Geophysics, 2019, 57, 1224-1264.	23.0	98
15	Microclimate edge effect in small fragments of temperate forests in the context of climate change. Forest Ecology and Management, 2019, 448, 48-56.	3.2	35
16	The climatic drivers of primary <i>Picea</i> forest growth along the Carpathian arc are changing under rising temperatures. Global Change Biology, 2019, 25, 3136-3150.	9.5	45
17	Increased sensitivity to drought across successional stages in natural Norway spruce (Picea abies (L.)) Tj ETQq1 1 0.784314 rgBT /Overl	1.9	10
18	Disentangling the multi-faceted growth patterns of primary Picea abies forests in the Carpathian arc. Agricultural and Forest Meteorology, 2019, 271, 214-224.	4.8	20

#	Article	IF	Citations
19	Deviations of treeline Norway spruce radial growth from summer temperatures in East-Central Europe. Agricultural and Forest Meteorology, 2018, 253-254, 62-70.	4.8	33
20	Influence of sampling and disturbance history on climatic sensitivity of temperature-limited conifers. Holocene, 2018, 28, 1574-1587.	1.7	26
21	Facilitating tree-ring dating of historic conifer timbers using Blue Intensity. Journal of Archaeological Science, 2017, 78, 99-111.	2.4	43
22	Last millennium Northern Hemisphere summer temperatures from tree rings: Part II, spatially resolved reconstructions. Quaternary Science Reviews, 2017, 163, 1-22.	3.0	165
23	Reconstructing 800Âyears of summer temperatures in Scotland from tree rings. Climate Dynamics, 2017, 49, 2951-2974.	3.8	53
24	Spatial reconstruction of Scottish summer temperatures from tree rings. International Journal of Climatology, 2017, 37, 1540-1556.	3.5	26
25	The historical disturbance regime of mountain Norway spruce forests in the Western Carpathians and its influence on current forest structure and composition. Forest Ecology and Management, 2017, 388, 67-78.	3.2	103
26	Detection and removal of disturbance trends in tree-ring series for dendroclimatology. Canadian Journal of Forest Research, 2016, 46, 387-401.	1.7	29
27	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
28	Blue Intensity for dendroclimatology: The BC blues: A case study from British Columbia, Canada. Holocene, 2014, 24, 1428-1438.	1.7	67
29	Blue intensity for dendroclimatology: Should we have the blues? Experiments from Scotland. Dendrochronologia, 2014, 32, 191-204.	2.2	101
30	The Impact of Industrial SO2 Pollution on North Bohemia Conifers. Water, Air, and Soil Pollution, 2012, 223, 5727-5744.	2.4	41
31	Reconstructing Holocene climate from tree rings: The potential for a long chronology from the Scottish Highlands. Holocene, 2012, 22, 3-11.	1.7	31