

# Allan Buras

## List of Publications by Citations

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**Version:** 2024-04-27

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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.

70  
papers

2,144  
citations

23  
h-index

45  
g-index

80  
ext. papers

3,071  
ext. citations

6.1  
avg, IF

5.56  
L-index

#	Paper	IF	Citations
70	Climate sensitivity of shrub growth across the tundra biome. <i>Nature Climate Change</i> , <b>2015</b> , 5, 887-891	21.4	347
69	Plant functional trait change across a warming tundra biome. <i>Nature</i> , <b>2018</b> , 562, 57-62	50.4	264
68	A first assessment of the impact of the extreme 2018 summer drought on Central European forests. <i>Basic and Applied Ecology</i> , <b>2020</b> , 45, 86-103	3.2	191
67	Quantifying impacts of the 2018 drought on European ecosystems in comparison to 2003. <i>Biogeosciences</i> , <b>2020</b> , 17, 1655-1672	4.6	124
66	A comment on the expressed population signal. <i>Dendrochronologia</i> , <b>2017</b> , 44, 130-132	2.8	112
65	Projecting Tree Species Composition Changes of European Forests for 2061-2090 Under RCP 4.5 and RCP 8.5 Scenarios. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1986	6.2	66
64	Excess forest mortality is consistently linked to drought across Europe. <i>Nature Communications</i> , <b>2020</b> , 11, 6200	17.4	58
63	Standardized drought indices in ecological research: Why one size does not fit all. <i>Global Change Biology</i> , <b>2020</b> , 26, 322-324	11.4	53
62	Are Scots pine forest edges particularly prone to drought-induced mortality?. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 025001	6.2	53
61	Correcting the calculation of Gleichläufigkeit. <i>Dendrochronologia</i> , <b>2015</b> , 34, 29-30	2.8	49
60	Tree growth influenced by warming winter climate and summer moisture availability in northern temperate forests. <i>Global Change Biology</i> , <b>2019</b> , 26, 2505	11.4	49
59	Global assessment of relationships between climate and tree growth. <i>Global Change Biology</i> , <b>2020</b> , 26, 3212-3220	11.4	40
58	Growth and resilience responses of Scots pine to extreme droughts across Europe depend on predrought growth conditions. <i>Global Change Biology</i> , <b>2020</b> , 26, 4521-4537	11.4	39
57	Tuning the Voices of a Choir: Detecting Ecological Gradients in Time-Series Populations. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158346	3.7	38
56	Habitat conditions and phenological tree traits overrule the influence of tree genotype in the needle mycobiome-Picea glauca system at an arctic treeline ecotone. <i>New Phytologist</i> , <b>2016</b> , 211, 1221-1231	9.8	35
55	Common trends in elements? Within- and between-tree variations of wood-chemistry measured by X-ray fluorescence - A dendrochemical study. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 1245-1253	10.2	30
54	Towards a better understanding of long-term wood-chemistry variations in old-growth forests: A case study on ancient Pinus uncinata trees from the Pyrenees. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 220-232	10.2	29

53	Structure and wood biomass of near-natural floodplain forests along the Central Asian rivers Tarim and Amu Darya. <i>Forestry</i> , <b>2012</b> , 85, 193-202	2.2	28
52	Tundra Trait Team: A database of plant traits spanning the tundra biome. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 1402-1411	6.1	27
51	Effects of Different Methods on the Comparison between Land Surface and Ground Phenology: A Methodological Case Study from South-Western Germany. <i>Remote Sensing</i> , <b>2016</b> , 8, 753	5	26
50	Straight lines or eccentric eggs? A comparison of radial and spatial ring width measurements and its implications for climate transfer functions. <i>Dendrochronologia</i> , <b>2014</b> , 32, 313-326	2.8	25
49	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 78-95	6.1	24
48	Limitations at the Limit? Diminishing of Genetic Effects in Norway Spruce Provenance Trials. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 306	6.2	23
47	Soil properties affect the drought susceptibility of Norway spruce. <i>Dendrochronologia</i> , <b>2017</b> , 45, 81-89	2.8	23
46	Allometric variability of Haloxylon species in Central Asia. <i>Forest Ecology and Management</i> , <b>2012</b> , 274, 1-9	3.9	22
45	Spatial distribution and carbon stock of the Saxaul vegetation of the winter-cold deserts of Middle Asia. <i>Journal of Arid Environments</i> , <b>2013</b> , 90, 29-35	2.5	21
44	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , <b>2020</b> , 11, 1351	17.4	19
43	LiDAR derived topography and forest stand characteristics largely explain the spatial variability observed in MODIS land surface phenology. <i>Remote Sensing of Environment</i> , <b>2018</b> , 218, 231-244	13.2	19
42	Testing the stability of transfer functions. <i>Dendrochronologia</i> , <b>2017</b> , 42, 56-62	2.8	17
41	Divergent growth of Norway spruce on Babia Góra Mountain in the western Carpathians. <i>Dendrochronologia</i> , <b>2018</b> , 50, 33-43	2.8	15
40	Can shrubs help to reconstruct historical glacier retreats?. <i>Environmental Research Letters</i> , <b>2012</b> , 7, 044031	3.1	15
39	High frequency growth variability of White spruce clones does not differ from non-clonal trees at Alaskan treelines. <i>Dendrochronologia</i> , <b>2017</b> , 44, 187-192	2.8	14
38	Removing the no-analogue bias in modern accelerated tree growth leads to stronger medieval drought. <i>Scientific Reports</i> , <b>2019</b> , 9, 2509	4.9	13
37	Provenance selection and site conditions determine growth performance of pedunculate oak. <i>Dendrochronologia</i> , <b>2020</b> , 61, 125705	2.8	13
36	Ecological factors limiting occurrence of corticolous myxomycetes: A case study from Alaska. <i>Fungal Ecology</i> , <b>2016</b> , 21, 16-23	4.1	13

35	No systematic effects of sampling direction on climate-growth relationships in a large-scale, multi-species tree-ring data set. <i>Dendrochronologia</i> , <b>2019</b> , 57, 125624	2.8	12
34	Multi-variable approach pinpoints origin of oak wood with higher precision. <i>Journal of Biogeography</i> , <b>2019</b> , 46, 1163-1177	4.1	12
33	An 810-year history of cold season temperature variability for northern Poland. <i>Boreas</i> , <b>2018</b> , 47, 443-453.	3.4	12
32	Productivity and carbon sequestration of <i>Populus euphratica</i> at the Amu River, Turkmenistan. <i>Forestry</i> , <b>2013</b> , 86, 429-439	2.2	12
31	Allometric Models to Predict Aboveground Woody Biomass of Black Locust ( <i>Robinia pseudoacacia</i> L.) in Short Rotation Coppice in Previous Mining and Agricultural Areas in Germany. <i>Forests</i> , <b>2017</b> , 8, 328	2.8	12
30	Shrubs tracing sea surface temperature-- <i>Calluna vulgaris</i> on the Faroe Islands. <i>International Journal of Biometeorology</i> , <b>2015</b> , 59, 1567-75	3.7	11
29	Reduced above-ground growth and wood density but increased wood chemical concentrations of Scots pine on relict charcoal hearths. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 137189	10.2	11
28	Rain Microstructure Parameters Vary with Large-Scale Weather Conditions in Lausanne, Switzerland. <i>Remote Sensing</i> , <b>2018</b> , 10, 811	5	11
27	Capturing the Impact of the 2018 European Drought and Heat across Different Vegetation Types Using OCO-2 Solar-Induced Fluorescence. <i>Remote Sensing</i> , <b>2020</b> , 12, 3249	5	9
26	Towards a new approach for dendroprovenancing pines in the Mediterranean Iberian Peninsula. <i>Dendrochronologia</i> , <b>2020</b> , 60, 125688	2.8	9
25	Higher susceptibility of beech to drought in comparison to oak. <i>Dendrochronologia</i> , <b>2020</b> , 64, 125780	2.8	8
24	Climate Regimes Override Micro-Site Effects on the Summer Temperature Signal of Scots Pine at Its Northern Distribution Limits. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1597	6.2	8
23	Wood anatomy of <i>Juniperus communis</i> : a promising proxy for palaeoclimate reconstructions in the Arctic. <i>Polar Biology</i> , <b>2017</b> , 40, 977-988	2	7
22	Quantifying impacts of the drought 2018 on European ecosystems in comparison to 2003		7
21	Supplementary material to "Quantifying impacts of the drought 2018 on European ecosystems in comparison to 2003"		7
20	Climate-change-driven growth decline of European beech forests.. <i>Communications Biology</i> , <b>2022</b> , 5, 163	6.7	7
19	Shrubs shed light on 20th century Greenland Ice Sheet melting. <i>Boreas</i> , <b>2017</b> , 46, 667-677	2.4	6
18	Influence of larval outbreaks on the climate reconstruction potential of an Arctic shrub. <i>Dendrochronologia</i> , <b>2018</b> , 49, 36-43	2.8	6

17	Higher Winter-Spring Temperature and Winter-Spring/Summer Moisture Availability Increase Scots Pine Growth on Coastal Dune Microsites Around the South Baltic Sea. <i>Frontiers in Forests and Global Change</i> , <b>2020</b> , 3,	3.7	6
16	Two millennia of Main region (southern Germany) hydroclimate variability. <i>Climate of the Past</i> , <b>2019</b> , 15, 1677-1690	3.9	5
15	Can We Use Tree Rings of Black Alder to Reconstruct Lake Levels? A Case Study for the Mecklenburg Lake District, Northeastern Germany. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137054	3.7	5
14	A novel approach for the identification of pointer years. <i>Dendrochronologia</i> , <b>2020</b> , 63, 125746	2.8	5
13	Does sex matter? Gender-specificity and its influence on site-chronologies in the common dioecious shrub <i>Juniperus communis</i> . <i>Dendrochronologia</i> , <b>2018</b> , 49, 118-126	2.8	4
12	Climate sensitivity is affected by growth differentiation along the length of <i>Juniperus communis</i> L. shrub stems in the Ural Mountains. <i>Dendrochronologia</i> , <b>2018</b> , 49, 29-35	2.8	4
11	Environment drives spatiotemporal patterns of clonality in white spruce ( <i>Picea glauca</i> ) in Alaska. <i>Canadian Journal of Forest Research</i> , <b>2018</b> , 48, 1577-1586	1.9	4
10	Growing faster, longer or both? Modelling plastic response of <i>Juniperus communis</i> growth phenology to climate change. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 2229	6.1	3
9	Diverging growth performance of co-occurring trees ( <i>Picea abies</i> ) and shrubs ( <i>Pinus mugo</i> ) at the treeline ecotone of Central European mountain ranges. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 308-309, 108608	5.8	3
8	Does Coltsfoot ( <i>Tussilago farfara</i> L.) have an autumn temperature control to limit precocious flowering in spring?. <i>International Journal of Climatology</i> , <b>2020</b> , 40, 4518-4527	3.5	2
7	Divergent occurrences of juvenile and adult trees are explained by both environmental change and ontogenetic effects. <i>Ecography</i> ,	6.5	1
6	The European Forest Condition Monitor: Using Remotely Sensed Forest Greenness to Identify Hot Spots of Forest Decline.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 689220	6.2	1
5	Stationarity of climate-growth response is only marginally influenced by the soil moisture regime in Western Siberia. <i>Dendrochronologia</i> , <b>2021</b> , 69, 125873	2.8	0
4	Jet stream position explains regional anomalies in European beech forest productivity and tree growth.. <i>Nature Communications</i> , <b>2022</b> , 13, 2015	17.4	0
3	Refining the standardized growth change method for pointer year detection: accounting for statistical bias and estimating the deflection period. <i>Dendrochronologia</i> , <b>2022</b> , 125964	2.8	0
2	GORRAM: Introducing accurate operational-speed radiative transfer Monte Carlo solvers. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2016</b> , 176, 50-61	2.1	
1	Data on the occurrence of corticolous myxomycetes from Denali National Park, Alaska. <i>Data in Brief</i> , <b>2016</b> , 7, 1196-8	1.2	