

# Annette Menzel

## List of Publications by Year in descending order

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224  
papers

26,350  
citations

28274

55  
h-index

6471

157  
g-index

234  
all docs

234  
docs citations

234  
times ranked

24615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecological responses to recent climate change. <i>Nature</i> , 2002, 416, 389-395.	27.8	7,926
2	European phenological response to climate change matches the warming pattern. <i>Global Change Biology</i> , 2006, 12, 1969-1976.	9.5	2,412
3	Shifting plant phenology in response to global change. <i>Trends in Ecology and Evolution</i> , 2007, 22, 357-365.	8.7	1,746
4	Growing season extended in Europe. <i>Nature</i> , 1999, 397, 659-659.	27.8	1,251
5	Attributing physical and biological impacts to anthropogenic climate change. <i>Nature</i> , 2008, 453, 353-357.	27.8	1,210
6	Declining global warming effects on the phenology of spring leaf unfolding. <i>Nature</i> , 2015, 526, 104-107.	27.8	637
7	Trends in phenological phases in Europe between 1951 and 1996. <i>International Journal of Biometeorology</i> , 2000, 44, 76-81.	3.0	427
8	Observed changes in seasons: an overview. <i>International Journal of Climatology</i> , 2002, 22, 1715-1725.	3.5	411
9	A plant's perspective of extremes: terrestrial plant responses to changing climatic variability. <i>Global Change Biology</i> , 2013, 19, 75-89.	9.5	393
10	Phenology: Its Importance to the Global Change Community. <i>Climatic Change</i> , 2002, 54, 379-385.	3.6	323
11	Chilling outweighs photoperiod in preventing precocious spring development. <i>Global Change Biology</i> , 2014, 20, 170-182.	9.5	304
12	Plant Phenological Anomalies in Germany and their Relation to Air Temperature and NAO. <i>Climatic Change</i> , 2003, 57, 243-263.	3.6	297
13	Changes to Airborne Pollen Counts across Europe. <i>PLoS ONE</i> , 2012, 7, e34076.	2.5	281
14	Patterns of drought tolerance in major European temperate forest trees: climatic drivers and levels of variability. <i>Global Change Biology</i> , 2014, 20, 3767-3779.	9.5	267
15	Heat and drought 2003 in Europe: a climate synthesis. <i>Annals of Forest Science</i> , 2006, 63, 569-577.	2.0	253
16	Trends and temperature response in the phenology of crops in Germany. <i>Global Change Biology</i> , 2007, 13, 1737-1747.	9.5	232
17	Changes in European spring phenology. <i>International Journal of Climatology</i> , 2002, 22, 1727-1738.	3.5	229
18	Spatial and temporal variability of the phenological seasons in Germany from 1951 to 1996. <i>Global Change Biology</i> , 2001, 7, 657-666.	9.5	226

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19	Recent spring phenology shifts in western Central Europe based on multiscale observations. <i>Global Ecology and Biogeography</i> , 2014, 23, 1255-1263.	5.8	208
20	Responses of leaf colouring in four deciduous tree species to climate and weather in Germany. <i>Climate Research</i> , 2006, 32, 253-267.	1.1	200
21	Altered geographic and temporal variability in phenology in response to climate change. <i>Global Ecology and Biogeography</i> , 2006, 15, 498-504.	5.8	195
22	Climate change fingerprints in recent European plant phenology. <i>Global Change Biology</i> , 2020, 26, 2599-2612.	9.5	179
23	Interactions between temperature and drought in global and regional crop yield variability during 1961-2014. <i>PLoS ONE</i> , 2017, 12, e0178339.	2.5	174
24	Exceptional European warmth of autumn 2006 and winter 2007: Historical context, the underlying dynamics, and its phenological impacts. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	173
25	Variations of the climatological growing season (1951-2000) in Germany compared with other countries. <i>International Journal of Climatology</i> , 2003, 23, 793-812.	3.5	159
26	High Environmental Ozone Levels Lead to Enhanced Allergenicity of Birch Pollen. <i>PLoS ONE</i> , 2013, 8, e80147.	2.5	147
27	Trends of spring time frost events and phenological dates in Central Europe. <i>Theoretical and Applied Climatology</i> , 2003, 74, 41-51.	2.8	143
28	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> , 2018, 9, 1986.	3.6	133
29	Impact of Pollen on Human Health: More Than Allergen Carriers?. <i>International Archives of Allergy and Immunology</i> , 2003, 131, 1-13.	2.1	126
30	Bayesian analysis of climate change impacts in phenology. <i>Global Change Biology</i> , 2004, 10, 259-272.	9.5	110
31	Atmospheric mechanisms governing the spatial and temporal variability of phenological phases in central Europe. <i>International Journal of Climatology</i> , 2002, 22, 1739-1755.	3.5	106
32	Growth and resilience responses of Scots pine to extreme droughts across Europe depend on predrought growth conditions. <i>Global Change Biology</i> , 2020, 26, 4521-4537.	9.5	105
33	Urban phenological studies – Past, present, future. <i>Environmental Pollution</i> , 2015, 203, 250-261.	7.5	102
34	Changes in the phenology and composition of wine from Franconia, Germany. <i>Climate Research</i> , 2011, 50, 69-81.	1.1	102
35	Are Scots pine forest edges particularly prone to drought-induced mortality?. <i>Environmental Research Letters</i> , 2018, 13, 025001.	5.2	96
36	Impact of climate and drought events on the growth of Scots pine ( <i>Pinus sylvestris</i> L.) provenances. <i>Forest Ecology and Management</i> , 2013, 307, 30-42.	3.2	93

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37	Climatically controlled reproduction drives interannual growth variability in a temperate tree species. <i>Ecology Letters</i> , 2018, 21, 1833-1844.	6.4	92
38	Changes in first flowering dates and flowering duration of 232 plant species on the island of Guernsey. <i>Global Change Biology</i> , 2014, 20, 3508-3519.	9.5	90
39	Climate-change-driven growth decline of European beech forests. <i>Communications Biology</i> , 2022, 5, 163.	4.4	89
40	Integration of flowering dates in phenology and pollen counts in aerobiology: analysis of their spatial and temporal coherence in Germany (1992–1999). <i>International Journal of Biometeorology</i> , 2006, 51, 49-59.	3.0	84
41	Three times greater weight of daytime than of night-time temperature on leaf unfolding phenology in temperate trees. <i>New Phytologist</i> , 2016, 212, 590-597.	7.3	82
42	The influence of altitude and urbanisation on trends and mean dates in phenology (1980–2009). <i>International Journal of Biometeorology</i> , 2012, 56, 387-394.	3.0	78
43	Year-to-Year Variation in Release of Bet v 1 Allergen from Birch Pollen: Evidence for Geographical Differences between West and South Germany. <i>International Archives of Allergy and Immunology</i> , 2008, 145, 122-130.	2.1	77
44	Influence of altitude on phenology of selected plant species in the Alpine region (1971–2000). <i>Climate Research</i> , 2009, 39, 227-234.	1.1	77
45	Using digital camera images to analyse snowmelt and phenology of a subalpine grassland. <i>Agricultural and Forest Meteorology</i> , 2014, 198-199, 116-125.	4.8	75
46	The European Phenology Network. <i>International Journal of Biometeorology</i> , 2003, 47, 202-212.	3.0	74
47	From observations to experiments in phenology research: investigating climate change impacts on trees and shrubs using dormant twigs. <i>Annals of Botany</i> , 2015, 116, 889-897.	2.9	67
48	'SSW to NNE' - North Atlantic Oscillation affects the progress of seasons across Europe. <i>Global Change Biology</i> , 2005, 11, 909-918.	9.5	66
49	A 500 year pheno-climatological view on the 2003 heatwave in Europe assessed by grape harvest dates. <i>Meteorologische Zeitschrift</i> , 2005, 14, 75-77.	1.0	66
50	Using phenological cameras to track the green up in a cerrado savanna and its on-the-ground validation. <i>Ecological Informatics</i> , 2014, 19, 62-70.	5.2	65
51	Temperature response rates from long-term phenological records. <i>Climate Research</i> , 2005, 30, 21-28.	1.1	64
52	Different responses of multispecies tree ring growth to various drought indices across Europe. <i>Dendrochronologia</i> , 2017, 44, 1-8.	2.2	63
53	Patterns of late spring frost leaf damage and recovery in a European beech ( <i>Fagus sylvatica</i> L.) stand in south-eastern Germany based on repeated digital photographs. <i>Frontiers in Plant Science</i> , 2015, 6, 110.	3.6	62
54	Climate-Induced Changes in Grapevine Yield and Must Sugar Content in Franconia (Germany) between 1805 and 2010. <i>PLoS ONE</i> , 2013, 8, e69015.	2.5	61

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55	Climate sensitivity and drought seasonality determine post-drought growth recovery of <i>Quercus petraea</i> and <i>Quercus robur</i> in Europe. <i>Science of the Total Environment</i> , 2021, 784, 147222.	8.0	61
56	Recent climate change: Long-term trends in meteorological forest fire danger in the Alps. <i>Agricultural and Forest Meteorology</i> , 2012, 162-163, 1-13.	4.8	57
57	Does humidity trigger tree phenology? Proposal for an air humidity based framework for bud development in spring. <i>New Phytologist</i> , 2014, 202, 350-355.	7.3	57
58	Geographical adaptation prevails over species-specific determinism in trees' vulnerability to climate change at Mediterranean rear-edge forests. <i>Global Change Biology</i> , 2019, 25, 1296-1314.	9.5	55
59	ClimateEU, scale-free climate normals, historical time series, and future projections for Europe. <i>Scientific Data</i> , 2020, 7, 428.	5.3	55
60	Impact of Urbanization on the Proteome of Birch Pollen and Its Chemotactic Activity on Human Granulocytes. <i>International Archives of Allergy and Immunology</i> , 2010, 151, 46-55.	2.1	52
61	Soil properties affect the drought susceptibility of Norway spruce. <i>Dendrochronologia</i> , 2017, 45, 81-89.	2.2	50
62	Effects of temperature, phase type and timing, location, and human density on plant phenological responses in Europe. <i>Climate Research</i> , 2009, 39, 235-248.	1.1	50
63	Linking altitudinal gradients and temperature responses of plant phenology in the Bavarian Alps. <i>Plant Biology</i> , 2013, 15, 57-69.	3.8	49
64	Effects of temperature and drought manipulations on seedlings of Scots pine provenances. <i>Plant Biology</i> , 2015, 17, 361-372.	3.8	47
65	Can we detect a nonlinear response to temperature in European plant phenology?. <i>International Journal of Biometeorology</i> , 2016, 60, 1551-1561.	3.0	47
66	Spatial and temporal variability of the phenological seasons in Germany from 1951 to 1996. <i>Global Change Biology</i> , 2001, 7, 657-666.	9.5	46
67	Bayesian analysis of the species-specific lengthening of the growing season in two European countries and the influence of an insect pest. <i>International Journal of Biometeorology</i> , 2008, 52, 209-218.	3.0	46
68	Effects of recent warm and cold spells on European plant phenology. <i>International Journal of Biometeorology</i> , 2011, 55, 921-932.	3.0	46
69	Large-scale weather types, forest fire danger, and wildfire occurrence in the Alps. <i>Agricultural and Forest Meteorology</i> , 2013, 168, 15-25.	4.8	46
70	Can spatial data substitute temporal data in phenological modelling? A survey using birch flowering. <i>Tree Physiology</i> , 2013, 33, 1256-1268.	3.1	46
71	Nutrient status: a missing factor in phenological and pollen research?. <i>Journal of Experimental Botany</i> , 2013, 64, 2081-2092.	4.8	46
72	The effects of short- and long-term air pollutants on plant phenology and leaf characteristics. <i>Environmental Pollution</i> , 2015, 206, 382-389.	7.5	45

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73	Time series modeling and central European temperature impact assessment of phenological records over the last 250 years. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44
74	Using phenology to assess urban heat islands in tropical and temperate regions. <i>International Journal of Climatology</i> , 2013, 33, 3141-3151.	3.5	44
75	Elevational response in leaf and xylem phenology reveals different prolongation of growing period of common beech and Norway spruce under warming conditions in the Bavarian Alps. <i>European Journal of Forest Research</i> , 2016, 135, 1011-1023.	2.5	43
76	Traits and climate are associated with first flowering day in herbaceous species along elevational gradients. <i>Ecology and Evolution</i> , 2018, 8, 1147-1158.	1.9	43
77	Increased water-use efficiency translates into contrasting growth patterns of Scots pine and sessile oak at their southern distribution limits. <i>Global Change Biology</i> , 2018, 24, 1012-1028.	9.5	41
78	Building an automatic pollen monitoring network (ePIN): Selection of optimal sites by clustering pollen stations. <i>Science of the Total Environment</i> , 2019, 688, 1263-1274.	8.0	40
79	Spatial variability of photosynthetically active radiation in European beech and Norway spruce. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1226-1232.	4.8	39
80	Relationship between Spatiotemporal Variations of Climate, Snow Cover and Plant Phenology over the Alps—An Earth Observation-Based Analysis. <i>Remote Sensing</i> , 2018, 10, 1757.	4.0	39
81	Historical changes in the stomatal limitation of photosynthesis: empirical support for an optimality principle. <i>New Phytologist</i> , 2020, 225, 2484-2497.	7.3	39
82	Bayesian correlation between temperature and blossom onset data. <i>Global Change Biology</i> , 2006, 12, 1451-1459.	9.5	38
83	Phenological response of grassland species to manipulative snowmelt and drought along an altitudinal gradient. <i>Journal of Experimental Botany</i> , 2013, 64, 241-251.	4.8	38
84	Exploring Relationships among Tree-Ring Growth, Climate Variability, and Seasonal Leaf Activity on Varying Timescales and Spatial Resolutions. <i>Remote Sensing</i> , 2017, 9, 526.	4.0	38
85	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> , 2016, 8, 753.	4.0	37
86	8 million phenological and sky images from 29 ecosystems from the Arctic to the tropics: the Phenological Eyes Network. <i>Ecological Research</i> , 2018, 33, 1091-1092.	1.5	37
87	Climate warming increases spring phenological differences among temperate trees. <i>Global Change Biology</i> , 2020, 26, 5979-5987.	9.5	37
88	Vertical variation in autumn leaf phenology of <i>Fagus sylvatica</i> L. in southern Germany. <i>Agricultural and Forest Meteorology</i> , 2015, 201, 176-186.	4.8	36
89	Recent and future climate extremes arising from changes to the bivariate distribution of temperature and precipitation in Bavaria, Germany. <i>International Journal of Climatology</i> , 2013, 33, 1687-1695.	3.5	35
90	Plant Phenological Changes. , 2001, , 123-137.		35

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91	Seasonal variation of birch and grass pollen loads and allergen release at two sites in the German Alps. <i>Atmospheric Environment</i> , 2015, 122, 83-93.	4.1	34
92	Asymmetric trends in seasonal temperature variability in instrumental records from ten stations in Switzerland, Germany and the <sc>UK</sc> from 1864 to 2012. <i>International Journal of Climatology</i> , 2016, 36, 13-27.	3.5	34
93	Effects of future climate change on birch abundance and their pollen load. <i>Global Change Biology</i> , 2021, 27, 5934-5949.	9.5	33
94	Analysis of long-term time series of the beginning of flowering by Bayesian function estimation. <i>Meteorologische Zeitschrift</i> , 2005, 14, 429-434.	1.0	32
95	The use of Bayesian analysis to detect recent changes in phenological events throughout the year. <i>Agricultural and Forest Meteorology</i> , 2006, 141, 179-191.	4.8	32
96	First flowering of wind-pollinated species with the greatest phenological advances in Europe. <i>Ecography</i> , 2012, 35, 1017-1023.	4.5	32
97	Large-scale genetic structure and drought-induced effects on European Scots pine ( <i>Pinus sylvestris</i> L.) seedlings. <i>European Journal of Forest Research</i> , 2013, 132, 481-496.	2.5	32
98	Spatial variation in onset dates and trends in phenology across Europe. <i>Climate Research</i> , 2009, 39, 249-260.	1.1	32
99	Vertical variability of spectral ratios in a mature mixed forest stand. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1096-1105.	4.8	31
100	Above-Ground Dimensions and Acclimation Explain Variation in Drought Mortality of Scots Pine Seedlings from Various Provenances. <i>Frontiers in Plant Science</i> , 2016, 7, 1014.	3.6	31
101	Diverging Drought Resistance of Scots Pine Provenances Revealed by Infrared Thermography. <i>Frontiers in Plant Science</i> , 2016, 7, 1247.	3.6	31
102	Spatio-temporal investigation of flowering dates and pollen counts in the topographically complex Zugspitze area on the German-Austrian border. <i>Aerobiologia</i> , 2012, 28, 541-556.	1.7	30
103	Temperature sensitivity of Swiss and British plant phenology from 1753 to 1958. <i>Climate Research</i> , 2009, 39, 179-190.	1.1	30
104	Climatic marginality: a new metric for the susceptibility of tree species to warming exemplified by <i>Fagus sylvatica</i> (L.) and Ellenberg's quotient. <i>European Journal of Forest Research</i> , 2016, 135, 137-152.	2.5	29
105	Detecting plant seasonality from webcams using Bayesian multiple change point analysis. <i>Agricultural and Forest Meteorology</i> , 2013, 168, 177-185.	4.8	28
106	Characterizing Alpine pyrogeography from fire statistics. <i>Applied Geography</i> , 2018, 98, 87-99.	3.7	28
107	Large-scale atmospheric circulation enhances the Mediterranean East-West tree growth contrast at rear-edge deciduous forests. <i>Agricultural and Forest Meteorology</i> , 2017, 239, 86-95.	4.8	27
108	Nutrients and water availability constrain the seasonality of vegetation activity in a Mediterranean ecosystem. <i>Global Change Biology</i> , 2020, 26, 4379-4400.	9.5	27

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109	Effects of extreme spring temperatures on urban phenology and pollen production: a case study in Munich and Ingolstadt. <i>Climate Research</i> , 2011, 49, 101-112.	1.1	27
110	Agricultural Drought Detection with MODIS Based Vegetation Health Indices in Southeast Germany. <i>Remote Sensing</i> , 2021, 13, 3907.	4.0	27
111	Quantifying the relationship between light quality and light availability at different phenological stages within a mature mixed forest. <i>Agricultural and Forest Meteorology</i> , 2007, 142, 35-44.	4.8	26
112	Norway spruce ( <i>Picea abies</i> ): Bayesian analysis of the relationship between temperature and bud burst. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 631-643.	4.8	26
113	A comparison of methods to estimate seasonal phenological development from BBCH scale recording. <i>International Journal of Biometeorology</i> , 2011, 55, 867-877.	3.0	25
114	Fine fuel moisture for site- and species-specific fire danger assessment in comparison to fire danger indices. <i>Agricultural and Forest Meteorology</i> , 2017, 234-235, 31-47.	4.8	25
115	Adaptive limitations of white spruce populations to drought imply vulnerability to climate change in its western range. <i>Evolutionary Applications</i> , 2019, 12, 1850-1860.	3.1	25
116	Shifting and extension of phenological periods with increasing temperature along elevational transects in southern Bavaria. <i>Plant Biology</i> , 2014, 16, 332-344.	3.8	24
117	Testing the stability of transfer functions. <i>Dendrochronologia</i> , 2017, 42, 56-62.	2.2	24
118	Xylem adjustment of sessile oak at its southern distribution limits. <i>Tree Physiology</i> , 2017, 37, 903-914.	3.1	24
119	LiDAR derived topography and forest stand characteristics largely explain the spatial variability observed in MODIS land surface phenology. <i>Remote Sensing of Environment</i> , 2018, 218, 231-244.	11.0	24
120	On the diurnal, weekly, and seasonal cycles and annual trends in atmospheric CO <sub>2</sub> at Mount Zugspitze, Germany, during 1981–2016. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 999-1012.	4.9	24
121	Frequency of inversions affects senescence phenology of <i>Acer pseudoplatanus</i> and <i>Fagus sylvatica</i> . <i>International Journal of Biometeorology</i> , 2014, 58, 485-498.	3.0	23
122	Indoor birch pollen concentrations differ with ventilation scheme, room location, and meteorological factors. <i>Indoor Air</i> , 2017, 27, 539-550.	4.3	23
123	Testing Water Yield, Efficiency of Different Meshes and Water Quality with a Novel Fog Collector for High Wind Speeds. <i>Aerosol and Air Quality Research</i> , 2018, 18, 240-253.	2.1	23
124	Exploring two methods for statistical downscaling of Central European phenological time series. <i>International Journal of Biometeorology</i> , 2003, 48, 56-64.	3.0	22
125	Grass pollen production and group V allergen content of agriculturally relevant species and cultivars. <i>PLoS ONE</i> , 2018, 13, e0193958.	2.5	22
126	Predicting the start, peak and end of the <i>Betula</i> pollen season in Bavaria, Germany. <i>Science of the Total Environment</i> , 2019, 690, 1299-1309.	8.0	22



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127	INTRODUCTIONÂ European cooperation in plant phenology 3. <i>Climate Research</i> , 2009, 39, 175-177.	1.1	22
128	Influence of climate drivers and the North Atlantic Oscillation on beech growth at marginal sites across the Mediterranean. <i>Climate Research</i> , 2015, 66, 229-242.	1.1	22
129	Estimation of soil loss by water erosion in the Chinese Loess Plateau using Universal Soil Loss Equation and GRACE. <i>Geophysical Journal International</i> , 2013, 193, 1283-1290.	2.4	20
130	Changes in the timing of hay cutting in Germany do not keep pace with climate warming. <i>Global Change Biology</i> , 2013, 19, 3123-3132.	9.5	20
131	Assessment of Urban CO2 Measurement and Source Attribution in Munich Based on TDLAS-WMS and Trajectory Analysis. <i>Atmosphere</i> , 2020, 11, 58.	2.3	20
132	Estimation of surface dead fine fuel moisture using automated fuel moisture sticks across a range of forests worldwide. <i>International Journal of Wildland Fire</i> , 2020, 29, 548.	2.4	20
133	Forest fire danger rating in complex topography â€œ results from a case study in the Bavarian Alps in autumn 2011. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 2157-2167.	3.6	19
134	Seasonal and Diurnal Variation of Formaldehyde and its Meteorological Drivers at the GAW Site Zugspitze. <i>Aerosol and Air Quality Research</i> , 2016, 16, 801-815.	2.1	19
135	Validation of drought indices using environmental indicators: streamflow and carbon flux data. <i>Agricultural and Forest Meteorology</i> , 2019, 265, 218-226.	4.8	19
136	Bayesian analysis of temperature sensitivity of plant phenology in Germany. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1699-1708.	4.8	18
137	Can positive matrix factorization help to understand patterns of organic trace gases at the continental Global Atmosphere Watch site Hohenpeissenberg?. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1221-1236.	4.9	18
138	Does flower phenology mirror the slowdown of global warming?. <i>Ecology and Evolution</i> , 2015, 5, 2284-2295.	1.9	18
139	A four year survey reveals a coherent pattern between occurrence of fruit bodies and soil amoebae populations for niviculous myxomycetes. <i>Scientific Reports</i> , 2018, 8, 11662.	3.3	18
140	Compensatory Growth of Scots Pine Seedlings Mitigates Impacts of Multiple Droughts Within and Across Years. <i>Frontiers in Plant Science</i> , 2019, 10, 519.	3.6	18
141	Ground and satellite phenology in alpine forests are becoming more heterogeneous across higher elevations with warming. <i>Agricultural and Forest Meteorology</i> , 2021, 303, 108383.	4.8	18
142	Temperature and Plant Development: Phenology and Seasonality. , 0, , 70-95.		17
143	Contrasting Hydraulic Architectures of Scots Pine and Sessile Oak at Their Southernmost Distribution Limits. <i>Frontiers in Plant Science</i> , 2017, 8, 598.	3.6	17
144	Responses of Contrasting Tree Functional Types to Air Warming and Drought. <i>Forests</i> , 2017, 8, 450.	2.1	17

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145	Soil water storage appears to compensate for climatic aridity at the xeric margin of European tree species distribution. <i>European Journal of Forest Research</i> , 2018, 137, 79-92.	2.5	17
146	Spatial interpolation of current airborne pollen concentrations where no monitoring exists. <i>Atmospheric Environment</i> , 2019, 199, 435-442.	4.1	17
147	Comparison of different methods for the in situ measurement of forest litter moisture content. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 403-415.	3.6	16
148	Adaptive selection of diurnal minimum variation: a statistical strategy to obtain representative atmospheric CO <sub>2</sub> data and its application to European elevated mountain stations. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1501-1514.	3.1	16
149	High post-season <i>Alnus</i> pollen loads successfully identified as long-range transport of an alpine species. <i>Atmospheric Environment</i> , 2020, 231, 117453.	4.1	16
150	Indications of long-term changes in middle atmosphere transports. <i>Advances in Space Research</i> , 2003, 32, 1675-1684.	2.6	15
151	Equilibrium moisture content of dead fine fuels of selected central European tree species. <i>International Journal of Wildland Fire</i> , 2013, 22, 797.	2.4	15
152	Multiple-year assessment of phenological plasticity within a beech ( <i>Fagus sylvatica</i> L.) stand in southern Germany. <i>Agricultural and Forest Meteorology</i> , 2015, 211-212, 13-22.	4.8	15
153	Quantification of monoterpene emission sources of a conifer species in response to experimental drought. <i>AoB PLANTS</i> , 2017, 9, plx045.	2.3	15
154	Rain Microstructure Parameters Vary with Large-Scale Weather Conditions in Lausanne, Switzerland. <i>Remote Sensing</i> , 2018, 10, 811.	4.0	15
155	Disentangling effects of climate and land use on biodiversity and ecosystem services – A multi-scale experimental design. <i>Methods in Ecology and Evolution</i> , 2022, 13, 514-527.	5.2	15
156	Impact of summer drought on isoprenoid emissions and carbon sink of three Scots pine provenances. <i>Tree Physiology</i> , 2016, 36, 1382-1399.	3.1	14
157	Monitoring succession after a non-cleared windthrow in a Norway spruce mountain forest using webcam, satellite vegetation indices and turbulent CO <sub>2</sub> exchange. <i>Agricultural and Forest Meteorology</i> , 2017, 244-245, 72-81.	4.8	14
158	Functional xylem anatomy of aspen exhibits greater change due to insect defoliation than to drought. <i>Tree Physiology</i> , 2019, 39, 45-54.	3.1	14
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