

Annette Menzel

List of Publications by Citations

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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.

222
papers

20,540
citations

49
h-index

141
g-index

234
ext. papers

23,311
ext. citations

6
avg, IF

6.76
L-index

#	Paper	IF	Citations
222	Ecological responses to recent climate change. <i>Nature</i> , 2002 , 416, 389-95	50.4	6699
221	European phenological response to climate change matches the warming pattern. <i>Global Change Biology</i> , 2006 , 12, 1969-1976	11.4	1932
220	Shifting plant phenology in response to global change. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 357-65	10.9	1389
219	Growing season extended in Europe. <i>Nature</i> , 1999 , 397, 659-659	50.4	1019
218	Attributing physical and biological impacts to anthropogenic climate change. <i>Nature</i> , 2008 , 453, 353-7	50.4	970
217	Declining global warming effects on the phenology of spring leaf unfolding. <i>Nature</i> , 2015 , 526, 104-7	50.4	409
216	Trends in phenological phases in Europe between 1951 and 1996. <i>International Journal of Biometeorology</i> , 2000 , 44, 76-81	3.7	370
215	Observed changes in seasons: an overview. <i>International Journal of Climatology</i> , 2002 , 22, 1715-1725	3.5	340
214	A plant's perspective of extremes: terrestrial plant responses to changing climatic variability. <i>Global Change Biology</i> , 2013 , 19, 75-89	11.4	321
213	Phenology: Its Importance to the Global Change Community. <i>Climatic Change</i> , 2002 , 54, 379-385	4.5	250
212	Chilling outweighs photoperiod in preventing precocious spring development. <i>Global Change Biology</i> , 2014 , 20, 170-82	11.4	233
211	Plant Phenological Anomalies in Germany and their Relation to Air Temperature and NAO. <i>Climatic Change</i> , 2003 , 57, 243-263	4.5	227
210	Changes to airborne pollen counts across Europe. <i>PLoS ONE</i> , 2012 , 7, e34076	3.7	226
209	Heat and drought 2003 in Europe: a climate synthesis. <i>Annals of Forest Science</i> , 2006 , 63, 569-577	3.1	223
208	Spatial and temporal variability of the phenological seasons in Germany from 1951 to 1996. <i>Global Change Biology</i> , 2001 , 7, 657-666	11.4	198
207	Trends and temperature response in the phenology of crops in Germany. <i>Global Change Biology</i> , 2007 , 13, 1737-1747	11.4	197
206	Patterns of drought tolerance in major European temperate forest trees: climatic drivers and levels of variability. <i>Global Change Biology</i> , 2014 , 20, 3767-79	11.4	195

205	Changes in European spring phenology. <i>International Journal of Climatology</i> , 2002 , 22, 1727-1738	3.5	195
204	Altered geographic and temporal variability in phenology in response to climate change. <i>Global Ecology and Biogeography</i> , 2006 , 15, 498-504	6.1	155
203	Responses of leaf colouring in four deciduous tree species to climate and weather in Germany. <i>Climate Research</i> , 2006 , 32, 253-267	1.6	151
202	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,	4.9	145
201	Recent spring phenology shifts in western Central Europe based on multiscale observations. <i>Global Ecology and Biogeography</i> , 2014 , 23, 1255-1263	6.1	143
200	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	130
199	Trends of spring time frost events and phenological dates in Central Europe. <i>Theoretical and Applied Climatology</i> , 2003 , 74, 41-51	3	123
198	High environmental ozone levels lead to enhanced allergenicity of birch pollen. <i>PLoS ONE</i> , 2013 , 8, e80147	3.7	102
197	Impact of pollen on human health: more than allergen carriers?. <i>International Archives of Allergy and Immunology</i> , 2003 , 131, 1-13	3.7	100
196	Interactions between temperature and drought in global and regional crop yield variability during 1961-2014. <i>PLoS ONE</i> , 2017 , 12, e0178339	3.7	99
195	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	92
194	Bayesian analysis of climate change impacts in phenology. <i>Global Change Biology</i> , 2004 , 10, 259-272	11.4	89
193	Changes in the phenology and composition of wine from Franconia, Germany. <i>Climate Research</i> , 2011 , 50, 69-81	1.6	81
192	Climate change fingerprints in recent European plant phenology. <i>Global Change Biology</i> , 2020 , 26, 2599	11.4	74
191	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	3.7	72
190	The influence of altitude and urbanisation on trends and mean dates in phenology (1980-2009). <i>International Journal of Biometeorology</i> , 2012 , 56, 387-94	3.7	71
189	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	3.9	69
188	Urban phenological studies - Past, present, future. <i>Environmental Pollution</i> , 2015 , 203, 250-261	9.3	66

187	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	6.2	66
186	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, 122-30	3.7	63
185	The European phenology network. <i>International Journal of Biometeorology</i> , 2003 , 47, 202-12	3.7	61
184	Using digital camera images to analyse snowmelt and phenology of a subalpine grassland. <i>Agricultural and Forest Meteorology</i> , 2014 , 198-199, 116-125	5.8	58
183	Influence of altitude on phenology of selected plant species in the Alpine region (1971-2000). <i>Climate Research</i> , 2009 , 39, 227-234	1.6	58
182	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	3.1	58
181	Climatically controlled reproduction drives interannual growth variability in a temperate tree species. <i>Ecology Letters</i> , 2018 , 21, 1833-1844	10	57
180	BSW to NNE North Atlantic Oscillation affects the progress of seasons across Europe. <i>Global Change Biology</i> , 2005 , 11, 909-918	11.4	56
179	Changes in first flowering dates and flowering duration of 232 plant species on the island of Guernsey. <i>Global Change Biology</i> , 2014 , 20, 3508-19	11.4	55
178	Temperature response rates from long-term phenological records. <i>Climate Research</i> , 2005 , 30, 21-28	1.6	54
177	Are Scots pine forest edges particularly prone to drought-induced mortality?. <i>Environmental Research Letters</i> , 2018 , 13, 025001	6.2	53
176	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	9.8	52
175	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	9.8	51
174	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	6.2	49
173	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	4.2	49
172	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	5.8	46
171	Climate-induced changes in grapevine yield and must sugar content in Franconia (Germany) between 1805 and 2010. <i>PLoS ONE</i> , 2013 , 8, e69015	3.7	43
170	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	3.7	43

169	Can we detect a nonlinear response to temperature in European plant phenology?. <i>International Journal of Biometeorology</i> , 2016 , 60, 1551-1561	3.7	40
168	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	11.4	39
167	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	1.6	39
166	Can spatial data substitute temporal data in phenological modelling? A survey using birch flowering. <i>Tree Physiology</i> , 2013 , 33, 1256-68	4.2	38
165	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,		38
164	Different responses of multispecies tree ring growth to various drought indices across Europe. <i>Dendrochronologia</i> , 2017 , 44, 1-8	2.8	37
163	Linking altitudinal gradients and temperature responses of plant phenology in the Bavarian Alps. <i>Plant Biology</i> , 2013 , 15 Suppl 1, 57-69	3.7	37
162	Effects of recent warm and cold spells on European plant phenology. <i>International Journal of Biometeorology</i> , 2011 , 55, 921-32	3.7	37
161	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, 209-18	3.7	37
160	Geographical adaptation prevails over species-specific determinism in trees' vulnerability to climate change at Mediterranean rear-edge forests. <i>Global Change Biology</i> , 2018 , 25, 1296	11.4	37
159	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, 889-97	4.1	36
158	Effects of temperature and drought manipulations on seedlings of Scots pine provenances. <i>Plant Biology</i> , 2015 , 17, 361-72	3.7	35
157	Large-scale weather types, forest fire danger, and wildfire occurrence in the Alps. <i>Agricultural and Forest Meteorology</i> , 2013 , 168, 15-25	5.8	35
156	Using phenology to assess urban heat islands in tropical and temperate regions. <i>International Journal of Climatology</i> , 2013 , 33, 3141-3151	3.5	34
155	Phenological response of grassland species to manipulative snowmelt and drought along an altitudinal gradient. <i>Journal of Experimental Botany</i> , 2013 , 64, 241-51	7	33
154	Spatial variability of photosynthetically active radiation in European beech and Norway spruce. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1226-1232	5.8	33
153	Nutrient status: a missing factor in phenological and pollen research?. <i>Journal of Experimental Botany</i> , 2013 , 64, 2081-92	7	32
152	The effects of short- and long-term air pollutants on plant phenology and leaf characteristics. <i>Environmental Pollution</i> , 2015 , 206, 382-9	9.3	31

151	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	2.7	31
150	Bayesian correlation between temperature and blossom onset data. <i>Global Change Biology</i> , 2006 , 12, 1451-1459	11.4	31
149	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	11.4	30
148	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	5.8	28
147	Historical changes in the stomatal limitation of photosynthesis: empirical support for an optimality principle. <i>New Phytologist</i> , 2020 , 225, 2484-2497	9.8	28
146	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	10.2	27
145	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	27
144	Detecting plant seasonality from webcams using Bayesian multiple change point analysis. <i>Agricultural and Forest Meteorology</i> , 2013 , 168, 177-185	5.8	27
143	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	5.8	27
142	Temperature sensitivity of Swiss and British plant phenology from 1753 to 1958. <i>Climate Research</i> , 2009 , 39, 179-190	1.6	27
141	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	5	27
140	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	1.9	27
139	Asymmetric trends in seasonal temperature variability in instrumental records from ten stations in Switzerland, Germany and the UK from 1864 to 2012. <i>International Journal of Climatology</i> , 2016 , 36, 13-27	3.5	26
138	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	2.4	26
137	First flowering of wind-pollinated species with the greatest phenological advances in Europe. <i>Ecography</i> , 2012 , 35, 1017-1023	6.5	26
136	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	5	26
135	Analysis of long-term time series of the beginning of flowering by Bayesian function estimation. <i>Meteorologische Zeitschrift</i> , 2005 , 14, 429-434	3.1	25
134	Spatial variation in onset dates and trends in phenology across Europe. <i>Climate Research</i> , 2009 , 39, 249-260	2.6	25

133	Plant Phenological Changes 2001 , 123-137		25
132	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	2.7	24
131	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	5.3	24
130	Soil properties affect the drought susceptibility of Norway spruce. <i>Dendrochronologia</i> , 2017 , 45, 81-89	2.8	23
129	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	5.8	22
128	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	5	22
127	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	5.8	22
126	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	5.8	22
125	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	6.2	21
124	Shifting and extension of phenological periods with increasing temperature along elevational transects in southern Bavaria. <i>Plant Biology</i> , 2014 , 16, 332-44	3.7	20
123	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	1.6	20
122	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	5.8	19
121	Vertical variability of spectral ratios in a mature mixed forest stand. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1096-1105	5.8	19
120	Spatial and temporal variability of the phenological seasons in Germany from 1951 to 1996. <i>Global Change Biology</i> , 2001 , 7, 657-666	11.4	19
119	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	1.6	19
118	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	13.2	19
117	Traits and climate are associated with first flowering day in herbaceous species along elevational gradients. <i>Ecology and Evolution</i> , 2018 , 8, 1147-1158	2.8	18
116	Frequency of inversions affects senescence phenology of <i>Acer pseudoplatanus</i> and <i>Fagus sylvatica</i> . <i>International Journal of Biometeorology</i> , 2014 , 58, 485-98	3.7	18

115	Exploring two methods for statistical downscaling of Central European phenological time series. <i>International Journal of Biometeorology</i> , 2003 , 48, 56-64	3.7	18
114	Climate warming increases spring phenological differences among temperate trees. <i>Global Change Biology</i> , 2020 , 26, 5979-5987	11.4	18
113	Testing the stability of transfer functions. <i>Dendrochronologia</i> , 2017 , 42, 56-62	2.8	17
112	On the diurnal, weekly, and seasonal cycles and annual trends in atmospheric CO ₂ at Mount Zugspitze, Germany, during 1981-2016. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 999-1012	6.8	17
111	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	10.2	17
110	Xylem adjustment of sessile oak at its southern distribution limits. <i>Tree Physiology</i> , 2017 , 37, 903-914	4.2	17
109	Diverging Drought Resistance of Scots Pine Provenances Revealed by Infrared Thermography. <i>Frontiers in Plant Science</i> , 2016 , 7, 1247	6.2	17
108	Changes in the timing of hay cutting in Germany do not keep pace with climate warming. <i>Global Change Biology</i> , 2013 , 19, 3123-32	11.4	16
107	A comparison of methods to estimate seasonal phenological development from BBCH scale recording. <i>International Journal of Biometeorology</i> , 2011 , 55, 867-77	3.7	16
106	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	2.7	15
105	Characterizing Alpine pyrogeography from fire statistics. <i>Applied Geography</i> , 2018 , 98, 87-99	4.4	15
104	Grass pollen production and group V allergen content of agriculturally relevant species and cultivars. <i>PLoS ONE</i> , 2018 , 13, e0193958	3.7	15
103	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	6.8	15
102	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	2.6	15
101	Bayesian analysis of temperature sensitivity of plant phenology in Germany. <i>Agricultural and Forest Meteorology</i> , 2009 , 149, 1699-1708	5.8	15
100	INTRODUCTION – European cooperation in plant phenology 3. <i>Climate Research</i> , 2009 , 39, 175-177	1.6	15
99	Forest fire danger rating in complex topography – results from a case study in the Bavarian Alps in autumn 2011. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 2157-2167	3.9	14
98	A four year survey reveals a coherent pattern between occurrence of fruit bodies and soil amoebae populations for nivalicolous myxomycetes. <i>Scientific Reports</i> , 2018 , 8, 11662	4.9	13

97	Equilibrium moisture content of dead fine fuels of selected central European tree species. <i>International Journal of Wildland Fire</i> , 2013 , 22, 797	3.2	13
96	Assessing stand structure of beech and spruce from measured spectral radiation properties and modeled leaf biomass parameters. <i>Agricultural and Forest Meteorology</i> , 2012 , 165, 82-91	5.8	13
95	Indications of long-term changes in middle atmosphere transports. <i>Advances in Space Research</i> , 2003 , 32, 1675-1684	2.4	13
94	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	3.9	13
93	Adaptive selection of diurnal minimum variation: a statistical strategy to obtain representative atmospheric CO ₂ data and its application to European elevated mountain stations. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 1501-1514	4	13
92	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	10.2	13
91	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	5.8	12
90	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	4.8	12
89	Does flower phenology mirror the slowdown of global warming?. <i>Ecology and Evolution</i> , 2015 , 5, 2284-95.8	5.8	12
88	ClimateEU, scale-free climate normals, historical time series, and future projections for Europe. <i>Scientific Data</i> , 2020 , 7, 428	8.2	12
87	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	4.6	12
86	Validation of drought indices using environmental indicators: streamflow and carbon flux data. <i>Agricultural and Forest Meteorology</i> , 2019 , 265, 218-226	5.8	12
85	Nutrients and water availability constrain the seasonality of vegetation activity in a Mediterranean ecosystem. <i>Global Change Biology</i> , 2020 , 26, 4379-4400	11.4	11
84	Rain Microstructure Parameters Vary with Large-Scale Weather Conditions in Lausanne, Switzerland. <i>Remote Sensing</i> , 2018 , 10, 811	5	11
83	Responses of Contrasting Tree Functional Types to Air Warming and Drought. <i>Forests</i> , 2017 , 8, 450	2.8	11
82	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	4.6	11
81	Spatial interpolation of current airborne pollen concentrations where no monitoring exists. <i>Atmospheric Environment</i> , 2019 , 199, 435-442	5.3	11
80	Monitoring succession after a non-cleared windthrow in a Norway spruce mountain forest using webcam, satellite vegetation indices and turbulent CO ₂ exchange. <i>Agricultural and Forest Meteorology</i> , 2017 , 244-245, 72-81	5.8	10

79	Small differences in seasonal and thermal niches influence elevational limits of native and invasive Balsams. <i>Biological Conservation</i> , 2015 , 191, 682-691	6.2	10
78	Temperature and Plant Development: Phenology and Seasonality70-95		10
77	High post-season Alnus pollen loads successfully identified as long-range transport of an alpine species. <i>Atmospheric Environment</i> , 2020 , 231, 117453	5.3	10
76	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	2.7	9
75	Impact of summer drought on isoprenoid emissions and carbon sink of three Scots pine provenances. <i>Tree Physiology</i> , 2016 , 36, 1382-1399	4.2	9
74	Functional xylem anatomy of aspen exhibits greater change due to insect defoliation than to drought. <i>Tree Physiology</i> , 2019 , 39, 45-54	4.2	9
73	Impacts of temperature and water table manipulation on grassland phenology. <i>Applied Vegetation Science</i> , 2014 , 17, 625-635	3.3	9
72	Indoor birch pollen concentrations differ with ventilation scheme, room location, and meteorological factors. <i>Indoor Air</i> , 2017 , 27, 539-550	5.4	9
71	Quantification of monoterpene emission sources of a conifer species in response to experimental drought. <i>AoB PLANTS</i> , 2017 , 9, plx045	2.9	9
70	Contrasting Hydraulic Architectures of Scots Pine and Sessile Oak at Their Southernmost Distribution Limits. <i>Frontiers in Plant Science</i> , 2017 , 8, 598	6.2	9
69	Flux-based ozone risk assessment for adult beech forests. <i>Trees - Structure and Function</i> , 2012 , 26, 1713-1721	1.2	9
68	Wie sehen die Wälder von morgen aus aus der Sicht eines Klimatologen. <i>European Journal of Forest Research</i> , 1998 , 117, 339-354		9
67	Machine Learning Approach to Classify Rain Type Based on Thies Disdrometers and Cloud Observations. <i>Atmosphere</i> , 2019 , 10, 251	2.7	8
66	Assessment of Urban CO2 Measurement and Source Attribution in Munich Based on TDLAS-WMS and Trajectory Analysis. <i>Atmosphere</i> , 2020 , 11, 58	2.7	8
65	Precipitation Diurnal Cycle in Germany Linked to Large-Scale Weather Circulations. <i>Atmosphere</i> , 2019 , 10, 545	2.7	8
64	Climate threats on growth of rear-edge European beech peripheral populations in Spain. <i>International Journal of Biometeorology</i> , 2017 , 61, 2097-2110	3.7	8
63	Plant Phenological Fingerprints <i>Tasks for Vegetation Science</i> , 2003 , 319-329	0.9	8
62	Solar Radiation as a Driver for Growth and Competition in Forest Stands. <i>Ecological Studies</i> , 2012 , 175-191	1.1	8

61	Plant Phenological Fingerprints 2013 , 335-350		8
60	Pollution Events at the High-Altitude Mountain Site Zugspitze-Schneefernerhaus (2670 m a.s.l.), Germany. <i>Atmosphere</i> , 2019 , 10, 330	2.7	7
59	Atmospheric CO ₂ and ¹³ C Measurements from 2012 to 2014 at the Environmental Research Station Schneefernerhaus, Germany: Technical Corrections, Temporal Variations and Trajectory Clustering. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 657-670	4.6	7
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