

# Annette Menzel

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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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	Indoor Pollen Concentrations of Mountain Cedar () during Rainy Episodes in Austin, Texas.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	1
221	Modelling the Relative Abundance of Roe Deer ( L.) along a Climate and Land-Use Gradient.. <i>Animals</i> , <b>2022</b> , 12,	3.1	2
220	The Influence of Weather on Fatal Accidents in Austrian Mountains. <i>Weather, Climate, and Society</i> , <b>2022</b> , 14, 303-310	2.3	
219	Impact of Local Grasslands on Wild Grass Pollen Emission in Bavaria, Germany. <i>Land</i> , <b>2022</b> , 11, 306	3.5	
218	Climate-change-driven growth decline of European beech forests.. <i>Communications Biology</i> , <b>2022</b> , 5, 163	6.7	7
217	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
216	Universal thermal climate index associations with mortality, hospital admissions, and road accidents in Bavaria. <i>PLoS ONE</i> , <b>2021</b> , 16, e0259086	3.7	0
215	Agricultural Drought Detection with MODIS Based Vegetation Health Indices in Southeast Germany. <i>Remote Sensing</i> , <b>2021</b> , 13, 3907	5	7
214	Climate Effects on Vertical Forest Phenology of <i>Fagus sylvatica</i> L., Sensed by Sentinel-2, Time Lapse Camera, and Visual Ground Observations. <i>Remote Sensing</i> , <b>2021</b> , 13, 3982	5	1
213	Maps, trends, and temperature sensitivities-phenological information from and for decreasing numbers of volunteer observers. <i>International Journal of Biometeorology</i> , <b>2021</b> , 65, 1377-1390	3.7	2
212	Impact of elevated air temperature and drought on pollen characteristics of major agricultural grass species. <i>PLoS ONE</i> , <b>2021</b> , 16, e0248759	3.7	1
211	Change in erosion potential of crops due to climate change. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 300, 108338	5.8	3
210	Establishing the twig method for investigations on pollen characteristics of allergenic tree species. <i>International Journal of Biometeorology</i> , <b>2021</b> , 65, 1983-1993	3.7	0
209	Weather conditions during hunting season affect the number of harvested roe deer (). <i>Ecology and Evolution</i> , <b>2021</b> , 11, 10178-10191	2.8	1
208	Ground and satellite phenology in alpine forests are becoming more heterogeneous across higher elevations with warming. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 303, 108383	5.8	6
207	Effects of weather, air pollution and Oktoberfest on ambulance-transported emergency department admissions in Munich, Germany. <i>Science of the Total Environment</i> , <b>2021</b> , 755, 143772	10.2	2
206	A First Pre-season Pollen Transport Climatology to Bavaria, Germany.. <i>Frontiers in Allergy</i> , <b>2021</b> , 2, 627863		7

205	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> , <b>2021</b> , 784, 147222	10.2	13
204	Effects of future climate change on birch abundance and their pollen load. <i>Global Change Biology</i> , <b>2021</b> , 27, 5934-5949	11.4	4
203	Summable C factors for contemporary soil use. <i>Soil and Tillage Research</i> , <b>2021</b> , 213, 105155	6.5	3
202	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
201	Weather Types Affect Rain Microstructure: Implications for Estimating Rain Rate. <i>Remote Sensing</i> , <b>2020</b> , 12, 3572	5	0
200	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
199	Thunderstorm Asthma: In Search For Relationships With Airborne Pollen And Fungal Spores From 23 Sites In Bavaria, Germany. A Rare Incident Or A Common Threat?. <i>Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 145, AB336	11.5	2
198	Assessment of Urban CO2 Measurement and Source Attribution in Munich Based on TDLAS-WMS and Trajectory Analysis. <i>Atmosphere</i> , <b>2020</b> , 11, 58	2.7	8
197	Climate change fingerprints in recent European plant phenology. <i>Global Change Biology</i> , <b>2020</b> , 26, 2599	11.4	74
196	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
195	Nutrients and water availability constrain the seasonality of vegetation activity in a Mediterranean ecosystem. <i>Global Change Biology</i> , <b>2020</b> , 26, 4379-4400	11.4	11
194	Historical changes in the stomatal limitation of photosynthesis: empirical support for an optimality principle. <i>New Phytologist</i> , <b>2020</b> , 225, 2484-2497	9.8	28
193	Corrigendum to: 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> , <b>2020</b> , 29, 560	3.2	4
192	Climate warming increases spring phenological differences among temperate trees. <i>Global Change Biology</i> , <b>2020</b> , 26, 5979-5987	11.4	18
191	Chilling and Forcing From Cut Twigs-How to Simplify Phenological Experiments for Citizen Science. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 561413	6.2	2
190	ClimateEU, scale-free climate normals, historical time series, and future projections for Europe. <i>Scientific Data</i> , <b>2020</b> , 7, 428	8.2	12
189	Pollen forecasts in complex topography: two case studies from the Alps using the numerical pollen forecast model COSMO-ART. <i>Aerobiologia</i> , <b>2020</b> , 36, 25-30	2.4	4
188	High post-season <i>Alnus</i> pollen loads successfully identified as long-range transport of an alpine species. <i>Atmospheric Environment</i> , <b>2020</b> , 231, 117453	5.3	10

187	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> , <b>2020</b> , 29, 548	3.2	6
186	Compensatory Growth of Scots Pine Seedlings Mitigates Impacts of Multiple Droughts Within and Across Years. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 519	6.2	6
185	Machine Learning Approach to Classify Rain Type Based on Thies Disdrometers and Cloud Observations. <i>Atmosphere</i> , <b>2019</b> , 10, 251	2.7	8
184	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> , <b>2019</b> , 19, 999-1012	6.8	17
183	The allergen riddle. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 716-717	12.3	5
182	Functional xylem anatomy of aspen exhibits greater change due to insect defoliation than to drought. <i>Tree Physiology</i> , <b>2019</b> , 39, 45-54	4.2	9
181	Characterization of differential throughfall drop size distributions beneath European beech and Norway spruce. <i>Hydrological Processes</i> , <b>2019</b> , 33, 3391-3406	3.3	3
180	Predicting the start, peak and end of the Betula pollen season in Bavaria, Germany. <i>Science of the Total Environment</i> , <b>2019</b> , 690, 1299-1309	10.2	17
179	Pollution Events at the High-Altitude Mountain Site Zugspitze-Schneefernerhaus (2670 m a.s.l.), Germany. <i>Atmosphere</i> , <b>2019</b> , 10, 330	2.7	7
178	Building an automatic pollen monitoring network (ePIN): Selection of optimal sites by clustering pollen stations. <i>Science of the Total Environment</i> , <b>2019</b> , 688, 1263-1274	10.2	27
177	Adaptive limitations of white spruce populations to drought imply vulnerability to climate change in its western range. <i>Evolutionary Applications</i> , <b>2019</b> , 12, 1850-1860	4.8	12
176	Precipitation Diurnal Cycle in Germany Linked to Large-Scale Weather Circulations. <i>Atmosphere</i> , <b>2019</b> , 10, 545	2.7	8
175	Atmospheric CO <sub>2</sub> and δ <sup>13</sup> 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> , <b>2019</b> , 19, 657-670	4.6	7
174	Comparison of Continuous In-Situ CO <sub>2</sub> Measurements with Co-Located Column-Averaged XCO <sub>2</sub> TCCON/Satellite Observations and CarbonTracker Model Over the Zugspitze Region. <i>Remote Sensing</i> , <b>2019</b> , 11, 2981	5	6
173	Spatial interpolation of current airborne pollen concentrations where no monitoring exists. <i>Atmospheric Environment</i> , <b>2019</b> , 199, 435-442	5.3	11
172	Validation of drought indices using environmental indicators: streamflow and carbon flux data. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 265, 218-226	5.8	12
171	Regional trend changes in recent surface warming. <i>Climate Dynamics</i> , <b>2019</b> , 52, 6463-6473	4.2	2
170	Decrease or increase? Temporal changes in pollen concentrations assessed by Bayesian statistics. <i>Aerobiologia</i> , <b>2019</b> , 35, 153-163	2.4	6

169	Traits and climate are associated with first flowering day in herbaceous species along elevational gradients. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 1147-1158	2.8	18
168	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> , <b>2018</b> , 137, 79-92	2.7	9
167	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> , <b>2018</b> , 24, 1012-1028	11.4	30
166	A four year survey reveals a coherent pattern between occurrence of fruit bodies and soil amoebae populations for niviculous myxomycetes. <i>Scientific Reports</i> , <b>2018</b> , 8, 11662	4.9	13
165	Rain Microstructure Parameters Vary with Large-Scale Weather Conditions in Lausanne, Switzerland. <i>Remote Sensing</i> , <b>2018</b> , 10, 811	5	11
164	Characterizing Alpine pyrogeography from fire statistics. <i>Applied Geography</i> , <b>2018</b> , 98, 87-99	4.4	15
163	Grass pollen production and group V allergen content of agriculturally relevant species and cultivars. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193958	3.7	15
162	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> , <b>2018</b> , 18, 240-253	4.6	11
161	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
160	Geographical adaptation prevails over species-specific determinism in trees' vulnerability to climate change at Mediterranean rear-edge forests. <i>Global Change Biology</i> , <b>2018</b> , 25, 1296	11.4	37
159	Relationship between Spatiotemporal Variations of Climate, Snow Cover and Plant Phenology over the Alps: An Earth Observation-Based Analysis. <i>Remote Sensing</i> , <b>2018</b> , 10, 1757	5	27
158	Are Scots pine forest edges particularly prone to drought-induced mortality?. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 025001	6.2	53
157	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
156	Climatically controlled reproduction drives interannual growth variability in a temperate tree species. <i>Ecology Letters</i> , <b>2018</b> , 21, 1833-1844	10	57
155	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> , <b>2018</b> , 11, 1501-1514	4	13
154	8 million phenological and sky images from 29 ecosystems from the Arctic to the tropics: the Phenological Eyes Network. <i>Ecological Research</i> , <b>2018</b> , 33, 1091-1092	1.9	27
153	Changes in spring arrival dates and temperature sensitivity of migratory birds over two centuries. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 1279-1289	3.7	5
152	Testing the stability of transfer functions. <i>Dendrochronologia</i> , <b>2017</b> , 42, 56-62	2.8	17

151	Different responses of multispecies tree ring growth to various drought indices across Europe. <i>Dendrochronologia</i> , <b>2017</b> , 44, 1-8	2.8	37
150	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> , <b>2017</b> , 244-245, 72-81	5.8	10
149	Large-scale atmospheric circulation enhances the Mediterranean East-West tree growth contrast at rear-edge deciduous forests. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 239, 86-95	5.8	19
148	Impacts of land clearance by fire on spatial variation of mountain cedar pollen concentrations in Texas. <i>Landscape and Urban Planning</i> , <b>2017</b> , 162, 178-186	7.7	4
147	Fine fuel moisture for site- and species-specific fire danger assessment in comparison to fire danger indices. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 234-235, 31-47	5.8	22
146	Interactions between temperature and drought in global and regional crop yield variability during 1961-2014. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178339	3.7	99
145	Soil properties affect the drought susceptibility of Norway spruce. <i>Dendrochronologia</i> , <b>2017</b> , 45, 81-89	2.8	23
144	Climate threats on growth of rear-edge European beech peripheral populations in Spain. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 2097-2110	3.7	8
143	Xylem adjustment of sessile oak at its southern distribution limits. <i>Tree Physiology</i> , <b>2017</b> , 37, 903-914	4.2	17
142	The Tree Drought Emission MONitor (Tree DEMON), an innovative system for assessing biogenic volatile organic compounds emission from plants. <i>Plant Methods</i> , <b>2017</b> , 13, 14	5.8	5
141	Indoor birch pollen concentrations differ with ventilation scheme, room location, and meteorological factors. <i>Indoor Air</i> , <b>2017</b> , 27, 539-550	5.4	9
140	Quantification of monoterpene emission sources of a conifer species in response to experimental drought. <i>AoB PLANTS</i> , <b>2017</b> , 9, plx045	2.9	9
139	Spatiotemporal variations of alpine climate, snow cover and phenology <b>2017</b> ,		2
138	Contrasting Hydraulic Architectures of Scots Pine and Sessile Oak at Their Southernmost Distribution Limits. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 598	6.2	9
137	Exploring Relationships among Tree-Ring Growth, Climate Variability, and Seasonal Leaf Activity on Varying Timescales and Spatial Resolutions. <i>Remote Sensing</i> , <b>2017</b> , 9, 526	5	22
136	Responses of Contrasting Tree Functional Types to Air Warming and Drought. <i>Forests</i> , <b>2017</b> , 8, 450	2.8	11
135	Automated processing of webcam images for phenological classification. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171918	3.7	5
134	Gesundheit <b>2017</b> , 137-149		4

133	Three times greater weight of daytime than of night-time temperature on leaf unfolding phenology in temperate trees. <i>New Phytologist</i> , <b>2016</b> , 212, 590-597	9.8	52
132	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> , <b>2016</b> , 135, 1011-1023	2.7	31
131	Impact of summer drought on isoprenoid emissions and carbon sink of three Scots pine provenances. <i>Tree Physiology</i> , <b>2016</b> , 36, 1382-1399	4.2	9
130	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> , <b>2016</b> , 36, 13-27	3.5	26
129	Can we detect a nonlinear response to temperature in European plant phenology?. <i>International Journal of Biometeorology</i> , <b>2016</b> , 60, 1551-1561	3.7	40
128	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> , <b>2016</b> , 135, 137-152	2.7	15
127	Comparison of different methods for the in situ measurement of forest litter moisture content. <i>Natural Hazards and Earth System Sciences</i> , <b>2016</b> , 16, 403-415	3.9	13
126	Seasonal and Diurnal Variation of Formaldehyde and its Meteorological Drivers at the GAW Site Zugspitze. <i>Aerosol and Air Quality Research</i> , <b>2016</b> , 16, 801-815	4.6	12
125	Above-Ground Dimensions and Acclimation Explain Variation in Drought Mortality of Scots Pine Seedlings from Various Provenances. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1014	6.2	21
124	Diverging Drought Resistance of Scots Pine Provenances Revealed by Infrared Thermography. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1247	6.2	17
123	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
122	Long-term linear trends mask phenological shifts. <i>International Journal of Biometeorology</i> , <b>2016</b> , 60, 1611-1614	3.1	14
121	Climate sensitivity and variation in first flowering of 26 Narcissus cultivars. <i>International Journal of Biometeorology</i> , <b>2015</b> , 59, 477-80	3.7	4
120	Multiple-year assessment of phenological plasticity within a beech ( <i>Fagus sylvatica</i> L.) stand in southern Germany. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 211-212, 13-22	5.8	12
119	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> , <b>2015</b> , 6, 110	6.2	49
118	From observations to experiments in phenology research: investigating climate change impacts on trees and shrubs using dormant twigs. <i>Annals of Botany</i> , <b>2015</b> , 116, 889-97	4.1	36
117	Small differences in seasonal and thermal niches influence elevational limits of native and invasive Balsams. <i>Biological Conservation</i> , <b>2015</b> , 191, 682-691	6.2	10
116	Declining global warming effects on the phenology of spring leaf unfolding. <i>Nature</i> , <b>2015</b> , 526, 104-7	50.4	409



115	The effects of short- and long-term air pollutants on plant phenology and leaf characteristics. <i>Environmental Pollution</i> , <b>2015</b> , 206, 382-9	9.3	31
114	Vertical variation in autumn leaf phenology of <i>Fagus sylvatica</i> L. in southern Germany. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 201, 176-186	5.8	28
113	Seasonal variation of birch and grass pollen loads and allergen release at two sites in the German Alps. <i>Atmospheric Environment</i> , <b>2015</b> , 122, 83-93	5.3	24
112	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> , <b>2015</b> , 15, 1221-1236	6.8	15
111	Effects of temperature and drought manipulations on seedlings of Scots pine provenances. <i>Plant Biology</i> , <b>2015</b> , 17, 361-72	3.7	35
110	Does flower phenology mirror the slowdown of global warming?. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 2284-95.8	12	
109	Urban phenological studies - Past, present, future. <i>Environmental Pollution</i> , <b>2015</b> , 203, 250-261	9.3	66
108	Influence of climate drivers and the North Atlantic Oscillation on beech growth at marginal sites across the Mediterranean. <i>Climate Research</i> , <b>2015</b> , 66, 229-242	1.6	20
107	Forecasting bark beetle early flight activity with plant phenology. <i>Climate Research</i> , <b>2015</b> , 66, 161-170	1.6	3
106	Using phenological cameras to track the green up in a cerrado savanna and its on-the-ground validation. <i>Ecological Informatics</i> , <b>2014</b> , 19, 62-70	4.2	49
105	Does humidity trigger tree phenology? Proposal for an air humidity based framework for bud development in spring. <i>New Phytologist</i> , <b>2014</b> , 202, 350-355	9.8	51
104	Patterns of drought tolerance in major European temperate forest trees: climatic drivers and levels of variability. <i>Global Change Biology</i> , <b>2014</b> , 20, 3767-79	11.4	195
103	Impacts of temperature and water table manipulation on grassland phenology. <i>Applied Vegetation Science</i> , <b>2014</b> , 17, 625-635	3.3	9
102	Chilling outweighs photoperiod in preventing precocious spring development. <i>Global Change Biology</i> , <b>2014</b> , 20, 170-82	11.4	233
101	Recent spring phenology shifts in western Central Europe based on multiscale observations. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 1255-1263	6.1	143
100	Using digital camera images to analyse snowmelt and phenology of a subalpine grassland. <i>Agricultural and Forest Meteorology</i> , <b>2014</b> , 198-199, 116-125	5.8	58
99	Shifting and extension of phenological periods with increasing temperature along elevational transects in southern Bavaria. <i>Plant Biology</i> , <b>2014</b> , 16, 332-44	3.7	20
98	Changes in first flowering dates and flowering duration of 232 plant species on the island of Guernsey. <i>Global Change Biology</i> , <b>2014</b> , 20, 3508-19	11.4	55



97	Frequency of inversions affects senescence phenology of <i>Acer pseudoplatanus</i> and <i>Fagus sylvatica</i> . <i>International Journal of Biometeorology</i> , <b>2014</b> , 58, 485-98	3.7	18
96	Quantifying Extreme Risks <b>2014</b> , 151-181		6
95	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> , <b>2013</b> , 33, 1687-1695	3.5	27
94	Linking altitudinal gradients and temperature responses of plant phenology in the Bavarian Alps. <i>Plant Biology</i> , <b>2013</b> , 15 Suppl 1, 57-69	3.7	37
93	Equilibrium moisture content of dead fine fuels of selected central European tree species. <i>International Journal of Wildland Fire</i> , <b>2013</b> , 22, 797	3.2	13
92	Projection of fire potential to future climate scenarios in the Alpine area: some methodological considerations. <i>Climatic Change</i> , <b>2013</b> , 119, 733-746	4.5	3
91	The impacts of climate change on the winter hardiness zones of woody plants in Europe. <i>Theoretical and Applied Climatology</i> , <b>2013</b> , 113, 683-695	3	6
90	Flux-Based Ozone Risk Assessment for Adult Beech and Spruce Forests. <i>Developments in Environmental Science</i> , <b>2013</b> , 13, 251-266		5
89	Using phenology to assess urban heat islands in tropical and temperate regions. <i>International Journal of Climatology</i> , <b>2013</b> , 33, 3141-3151	3.5	34
88	Impact of climate and drought events on the growth of Scots pine ( <i>Pinus sylvestris</i> L.) provenances. <i>Forest Ecology and Management</i> , <b>2013</b> , 307, 30-42	3.9	69
87	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> , <b>2013</b> , 132, 481-496	2.7	24
86	A plant's perspective of extremes: terrestrial plant responses to changing climatic variability. <i>Global Change Biology</i> , <b>2013</b> , 19, 75-89	11.4	321
85	Plant Phenology Changes and Climate Change <b>2013</b> , 103-108		3
84	Large-scale weather types, forest fire danger, and wildfire occurrence in the Alps. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 168, 15-25	5.8	35
83	Detecting plant seasonality from webcams using Bayesian multiple change point analysis. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 168, 177-185	5.8	27
82	Estimation of soil loss by water erosion in the Chinese Loess Plateau using Universal Soil Loss Equation and GRACE. <i>Geophysical Journal International</i> , <b>2013</b> , 193, 1283-1290	2.6	15
81	Can spatial data substitute temporal data in phenological modelling? A survey using birch flowering. <i>Tree Physiology</i> , <b>2013</b> , 33, 1256-68	4.2	38
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