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1	Implications of crop model ensemble size and composition for estimates of adaptation effects and agreement of recommendations	https://doi.org/10.1016/j.agrformet.2018.09.018
2	Decline in climate resilience of European wheat	https://doi.org/10.1073/pnas.1804387115
3	Re-thinking the boundaries of dendrochronology	https://doi.org/10.1016/j.dendro.2018.10.012
4	Extreme droughts and human responses to them: the Czech Lands in the pre-instrumental period	https://doi.org/10.5194/cp-15-1-2019
5	Documentary data and the study of past droughts	https://doi.org/10.5194/cp-14-1915-2018
6	Carbon pool in soil under organic and conventional farming systems	https://doi.org/10.17221/71/2018-SWR
7	No radioactive contamination from the Chernobyl disaster in Hungarian white truffles (Tuber magnatum)	https://doi.org/10.1016/j.envpol.2019.06.108
8	Limited capacity of tree growth to mitigate the global greenhouse effect under predicted warming	https://doi.org/10.1038/s41467-019-10174-4

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9	A risk assessment of Europe's black truffle sector under predicted climate change	https://doi.org/10.1016/j.scitotenv.2018.11.252
10	Black truffle winter production depends on Mediterranean summer precipitation	https://iopscience.iop.org/article/10.1088/1748-9326/ab1880
11	Ozone flux and ozone deposition in a mountain spruce forest are modulated by sky conditions	https://doi.org/10.1016/j.scitotenv.2019.03.491
12	Estimating Crop Yields at the Field Level Using Landsat and Modis Products	https://doi.org/10.11118/actaun201866051141
13	European mushroom assemblages are darker in cold climates	https://doi.org/10.1038/s41467-019-10767-z
14	Mushroom productivity trends in relation to tree growth and climate across different European forest biomes	https://doi.org/10.1016/j.scitotenv.2019.06.471
15	The climate in south-east Moravia, Czech Republic, 1803–1830, based on daily weather records kept by the Reverend Šimon Hausner	https://doi.org/10.5194/cp-15-1205-2019
16	Prenylated Stilbenoids Affect Inflammation by Inhibiting the NF-κB/AP-1 Signaling Pathway and Cyclooxygenases and Lipoxygenase	https://doi.org/10.1021/acs.jnatprod.9b00081

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17	Distinct Morphological, Physiological, and Biochemical Responses to Light Quality in Barley Leaves and Roots	https://www.frontiersin.org/articles/10.3389/fpls.2019.01026/full
18	European warm-season temperature and hydroclimate since 850 CE	https://doi.org/10.1088/1748-9326/ab2c7e
19	Risk factors for European winter oilseed rape production under climate change	https://doi.org/10.1016/j.agrformet.2019.03.023
20	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses	https://doi.org/10.1038/s41586-019-1128-0
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24	The extreme drought of 1842 in Europe as described by both documentary data and instrumental measurements	https://doi.org/10.5194/cp-15-1861-2019

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25	Water requirements of short rotation poplar coppice: Experimental and modelling analyses across Europe	https://doi.org/10.1016/j.agrformet.2017.12.079
26	Greenhouse gas budget of a poplar bioenergy plantation in Belgium: CO2 uptake outweighs CH4 and N2O emissions	https://doi.org/10.1111/gcbb.12648
27	COMPARISON OF METHODS FOR THE ASSESSMENT OF FIRE DANGER IN THE CZECH REPUBLIC	https://doi.org/10.11118/actaun201967051285
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31	REPLY TO SNOWDON ET AL. AND PIEPHO: Genetic response diversity to provide yield stability of cultivar groups deserves attention	www.pnas.org/cgi/doi/10.1073/pnas.1903594116
32	Cross-sectoral and trans-national interactions in national-scale climate change impacts assessment—the case of the Czech Republic	https://doi.org/10.1007/s10113-019-01558-9

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34	Assessing non-linearity in European temperature-sensitive tree-ring data	https://doi.org/10.1016/j.dendro.2019.125652
35	Possible Increase of Vegetation Exposure to Spring Frost under Climate Change in Switzerland	https://doi.org/10.3390/atmos11040391
36	Thermal stability and bioavailability of bioactive compounds after baking of bread enriched with different onion by-products	https://doi.org/10.1016/j.foodchem.2020.126562
37	No Age Trends in Oak Stable Isotopes	https://doi.org/10.1029/2019PA003831
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39	Dibasic Derivatives of Phenylcarbamic Acid as Prospective Antibacterial Agents Interacting with Cytoplasmic Membrane	https://doi.org/10.3390/antibiotics9020064
40	Changes in the Grape Cane Stilbene Content under Various Conditions of Storage	https://doi.org/10.1021/acssuschemeng.9b04681

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48	Phenolics levels in different parts of common buckwheat (Fagopyrwn esculentum) achenes	https://doi.org/10.1016/j.jcs.2018.12.012

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52	New Evidence of Thermally Constrained Plant Cell Wall Lignification	https://doi.org/10.1016/j.tplants.2020.01.011
53	Functional Relationships of Wood Anatomical Traits in Norway Spruce	https://doi.org/10.3389/fpls.2020.00683
54	Ecometabolomics for a Better Understanding of Plant Responses and Acclimation to Abiotic Factors Linked to Global Change	https://doi.org/10.3390/metabo10060239
55	Statistical modelling of drought-related yield losses using soil moisture-vegetation remote sensing and multiscalar indices in the south-eastern Europe	https://doi.org/10.1016/j.agwat.2020.106168
56	Modulation of non-bilayer lipid phases and the structure and functions of thylakoid membranes: effects on the water-soluble enzyme violaxanthin de-epoxidase	https://doi.org/10.1038/s41598-020-68854-x

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77	Extending the climatological concept of 'Detection and Attribution' to global change ecology in the Anthropocene	https://doi.org/10.1111/1365-2435.13647
78	Assessing decoupling of above and below canopy air masses at a Norway spruce stand in complex terrain	https://doi.org/10.1016/j.agrformet.2020.108149
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80	Comparison of traditional ground-based observations and digital remote sensing of phenological transitions in a floodplain forest	https://doi.org/10.1016/j.agrformet.2020.108079

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83	Smoking guns and volcanic ash: the importance of sparse tephras in Greenland ice cores	http://dx.doi.org/10.33265/polar.v39.3511
84	Nanoscale zero-valent iron has minimum toxicological risk on the germination and early growth of two grass species with potential for phytostabilization	https://doi.org/10.3390/nano10081537
85	Trees as net sinks for methane (CH_4) and nitrous oxide (N_2O) in the lowland tropical rain forest on volcanic Réunion Island	https://doi.org/10.1111/nph.17002
86	Climate warming induced synchronous growth decline in Norway spruce populations across biogeographical gradients since 2000	https://doi.org/10.1016/j.scitotenv.2020.141794
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88	Interactive Effect of Elevated CO_2 and Reduced Summer Precipitation on Photosynthesis is Species-Specific: The Case Study with Soil-Planted Norway Spruce and Sessile Oak in a Mountainous Forest Plot	https://doi.org/10.3390/f12010042

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91	Predicted climate change will increase the truffle cultivation potential in central Europe	https://doi.org/10.1038/s41598-020-76177-0
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93	Could Global Intensification of Nitrogen Fertilisation Increase Immunogenic Proteins and Favour the Spread of Coeliac Pathology?	https://doi.org/10.3390/foods9111602
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95	Sensitivity of gross primary productivity to climatic drivers during the summer drought of 2018 in Europe	https://doi.org/10.1098/rstb.2019.0747
96	Non-stomatal processes reduce gross primary productivity in temperate forest ecosystems during severe edaphic drought	https://doi.org/10.1098/rstb.2019.0527

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100	P-31-NMR Metabolomics Revealed Species-Specific Use of Phosphorous in Trees of a French Guiana Rainforest	https://doi.org/10.3390/molecules25173960
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102	Multi-model evaluation of phenology prediction for wheat in Australia	https://doi.org/10.1016/j.agrformet.2020.108289
103	Observed changes in the agroclimatic zones in the Czech Republic between 1961 and 2019	https://doi.org/10.17221/327/2020-PSE
104	Stem CH4 and N2O fluxes of Fraxinus excelsior and Populus alba trees along a flooding gradient	https://doi.org/10.1007/s11104-020-04818-4

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106	Light and CO2 Modulate the Accumulation and Localization of Phenolic Compounds in Barley Leaves	https://doi.org/10.3390/antiox10030385
107	Europe under multi-year droughts: how severe was the 2014-2018 drought period?	https://doi.org/10.1088/1748-9326/abe828
108	Stable Isotopes in Tree Rings of Pinus heldreichii Can Indicate Climate Variability over the Eastern Mediterranean Region	https://doi.org/10.3390/f12030350
109	Singlet oxygen, flavonols and photoinhibition in green and senescing silver birch leaves	https://doi.org/10.1007/s00468-021-02114-x
110	Synthesis and Hybrid SAR Property Modeling of Novel Cholinesterase Inhibitors	https://doi.org/10.3390/ijms22073444
111	Genotype and soil substrate effects on the wood quality of poplar grown in a reclaimed lignite-mining area	https://doi.org/10.1016/j.jenvman.2021.112146
112	Light regimen-induced variability of photosynthetic pigments and UV-B absorbing compounds in Luzula sylvatica from Arcto-Alpine tundra	https://doi.org/10.5817/CPR2020-2-20

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114	Simulation of daily mean soil temperatures for agricultural land use considering limited input data	https://doi.org/10.3390/atmos12040441
115	Comparing process-based wheat growth models in their simulation of yield losses caused by plant diseases	https://doi.org/10.1016/j.fcr.2021.108108
116	Vitexin and isovitexin levels in sprouts of selected plants	https://doi.org/10.1016/j.jfca.2021.103895
117	Fatalities associated with the severe weather conditions in the Czech Republic, 2000-2019	https://doi.org/10.5194/nhess-21-1355-2021
118	Linking multiple values of nature with future impacts: value-based participatory scenario development for sustainable landscape governance	https://doi.org/10.1007/s11625-021-00953-8
119	Fourier transform infrared spectroscopy and interference of volatile organic compounds on measurements of methane (CH_4) fluxes at tree stems - a general phenomenon for plant systems?	https://doi.org/10.1111/nph.17311
120	Dissolved and gaseous nitrogen losses in forests controlled by soil nutrient stoichiometry	https://doi.org/10.1088/1748-9326/ac007b

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122	Paraglacial Rock Slope Stability Under Changing Environmental Conditions, Safuna Lakes, Cordillera Blanca Peru	https://doi.org/10.3389/feart.2021.607277
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124	The influence of decision-making in tree ring-based climate reconstructions	https://doi.org/10.1038/s41467-021-23627-6
125	G-Quadruplex in Gene Encoding Large Subunit of Plant RNA Polymerase II: A Billion-Year-Old Story	https://doi.org/10.3390/ijms22147381
126	Warming affects soil metabolome: The case study of Icelandic grasslands	https://doi.org/10.1016/j.ejsobi.2021.103317
127	Effects of Climatic and Soil Data on Soil Drought Monitoring Based on Different Modelling Schemes	https://doi.org/10.3390/atmos12070913
128	Photosynthesis-Inhibiting Activity of N-(Disubstituted-phenyl)-3-hydroxynaphthalene-2-carboxamides	https://doi.org/10.3390/molecules26144336

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131	Forest canopy mitigates soil N2O emission during hot moments	https://doi.org/10.1038/s41612-021-00194-7
132	The dendroclimatic value of oak stable isotopes	https://doi.org/10.1016/j.dendro.2020.125804
133	Future agroclimatic conditions and implications for European grasslands	https://doi.org/10.32615/bp.2021.005
134	Non-pooled oak (Quercus spp.) stable isotopes reveal enhanced climate sensitivity compared to ring widths	https://doi.org/10.3354/cr01632
135	The future of paleoclimate	https://doi.org/10.3354/cr01636
136	Observed and expected changes in wildfire-conducive weather and fire events in peri-urban zones and key nature reserves of the Czech Republic	https://doi.org/10.3354/cr01617

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138	CHILDA - Czech Historical Landslide Database	https://doi.org/10.5194/nhess-21-2581-2021
139	The Possibility of Consensus Regarding Climate Change Adaptation Policies in Agriculture and Forestry among Stakeholder Groups in the Czech Republic	https://doi.org/10.1007/s00267-021-01499-2
140	Accumulation of geranylgeranylated chlorophylls in the pigment-protein complexes of Arabidopsis thaliana acclimated to green light: effects on the organization of light-harvesting complex II and photosystem II functions	https://doi.org/10.1007/s11120-021-00827-1
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142	Trimethoxycinnamates and their cholinesterase inhibitory activity	https://doi.org/10.3390/app11104691
143	Model sensitivity of simulated yield of winter oilseed rape to climate change scenarios in Europe	https://doi.org/10.1016/j.eja.2021.126341
144	Lipid Polymorphism of the Subchloroplast-Granum and Stroma Thylakoid Membrane-Particles. I. P-31-NMR Spectroscopy	https://doi.org/10.3390/cells10092354

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145	Lipid Polymorphism of the Subchloroplast-Granum and Stroma Thylakoid Membrane-Particles. II. Structure and Functions	https://doi.org/10.3390/cells10092363
146	Effect of tree harvest, silvopastoral practices, and microclimate conditions on forest floor CO2 efflux in a sessile oak (Quercus petraea agg. [Matt.] Liebl.) forest	https://doi.org/10.1007/s13595-021-01101-z
147	Prototyping a Generic Algorithm for Crop Parameter Retrieval across the Season Using Radiative Transfer Model Inversion and Sentinel-2 Satellite Observations	https://doi.org/10.3390/rs13183659
148	Assess hydrological responses to a warming climate at the Lysina Critical Zone Observatory in Central Europe	https://doi.org/10.1002/hyp.14281
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150	The importance of historical maps for man-made pond research: From the past extent of ponds to issues of the present landscape. A case study from the Czech Republic	https://doi.org/10.2478/mgr-2021-0014
151	Implications of mistletoe parasitism for the host metabolome: A new plant identity in the forest canopy	https://doi.org/10.1111/pce.14179
152	Potential of water balance and remote sensing-based evapotranspiration models to predict yields of spring barley and winter wheat in the Czech Republic	https://doi.org/10.1016/j.agwat.2021.107064

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154	Methodology to assess the changing risk of yield failure due to heat and drought stress under climate change	https://doi.org/10.1088/1748-9326/ac2196
155	Effects of social and climatic factors on building activity in the Czech lands between 1450 and 1950: a dendrochronological analysis	https://doi.org/10.1002/jqs.3381
156	Observed and estimated consequences of climate change for the fire weather regime in the moist-temperate climate of the Czech Republic	https://doi.org/10.1016/j.agrformet.2021.108583
157	Antifungal and Insecticidal Potential of the Essential Oil from Ocimum sanctum L. against Dangerous Fungal and Insect Species and Its Safety for Non-Target Useful Soil Species Eisenia fetida (Savigny, 1826)	https://doi.org/10.3390/plants10102180
158	Metabolomics and transcriptomics to decipher molecular mechanisms underlying ectomycorrhizal root colonization of an oak tree	https://doi.org/10.1038/s41598-021-87886-5
159	The dendrochronological proof of origin of oak churches located in the Czech Republic	https://doi.org/10.1016/j.dendro.2021.125892
160	Assessing the contrasting effects of the exceptional 2015 drought on the carbon dynamics in two norway spruce forest ecosystems	https://doi.org/10.3390/atmos12080988

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163	Tree Species and Epiphyte Taxa Determine the "Metabolomic niche" of Canopy Suspended Soils in a Species-Rich Lowland Tropical Rainforest	https://doi.org/10.3390/metabo11110718
164	Meteorological Variables That Affect the Beginning of Flowering of the Winter Oilseed Rape in the Czech Republic	https://doi.org/10.3390/atmos12111444
165	Barley Genotypes Vary in Stomatal Responsiveness to Light and CO_2 Conditions	https://doi.org/10.3390/plants10112533
166	The Use of a Thermal Process to Produce Black Garlic: Differences in the Physicochemical and Sensory Characteristics Using Seven Varieties of Fresh Garlic	https://doi.org/10.3390/foods10112703
167	A meta-analysis of the interactive effects of UV and drought on plants	https://doi.org/10.1111/pce.14221
168	Wood species utilization for timber constructions in the Czech lands over the period 1400-1900	https://doi.org/10.1016/j.dendro.2021.125900

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170	Performance of 13 crop simulation models and their ensemble for simulating four field crops in Central Europe	https://doi.org/10.1017/S0021859621000216
171	The chaos in calibrating crop models: Lessons learned from a multi-model calibration exercise	https://doi.org/10.1016/j.envsoft.2021.105206
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174	Towards spruce-type photosystem II: consequences of the loss of light-harvesting proteins LHCB3 and LHCB6 in Arabidopsis	https://doi.org/10.1093/plphys/kiab396
175	Potential of typical highland and mountain forests in the Czech Republic for climate-smart forestry: ecosystem-scale drought responses	https://doi.org/10.1139/cjfr-2020-0286
176	The Influence of Ozone on Net Ecosystem Production of a Ryegrass-Clover Mixture under Field Conditions	https://doi.org/10.3390/atmos12121629

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179	Millennial-Scale Carbon Storage in Natural Pine Forests of the North Carolina Lower Coastal Plain: Effects of Artificial Drainage in a Time of Rapid Sea Level Rise	https://doi.org/10.3390/land10121294
180	Improving Nitrogen Status Estimation in Malting Barley Based on Hyperspectral Reflectance and Artificial Neural Networks	https://doi.org/10.3390/agronomy11122592
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