

# Global convergence in the vulnerability of forests to drought

Nature

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Forests on the brink. <i>Nature</i> , 2012, 491, 675-676.	13.7	26
3	Hydraulic failure and repair are not routine in trees. <i>Annals of Forest Science</i> , 2013, 70, 659-661.	0.8	117
4	Shoot hydraulic characteristics, plant water status and stomatal response in olive trees under different soil water conditions. <i>Plant and Soil</i> , 2013, 373, 77-87.	1.8	69
5	Increasing atmospheric [ $\text{CO}_2$ ] from glacial to future concentrations affects drought tolerance via impacts on leaves, xylem and their integrated function. <i>New Phytologist</i> , 2013, 199, 738-748.	3.5	30
6	The temporal response to drought in a Mediterranean evergreen tree: comparing a regional precipitation gradient and a throughfall exclusion experiment. <i>Global Change Biology</i> , 2013, 19, 2413-2426.	4.2	106
7	Embolism resistance as a key mechanism to understand adaptive plant strategies. <i>Current Opinion in Plant Biology</i> , 2013, 16, 287-292.	3.5	181
8	Watering the forest for the trees: an emerging priority for managing water in forest landscapes. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 314-321.	1.9	113
9	Multivariate effect gradients driving forest demographic responses in the Iberian Peninsula. <i>Forest Ecology and Management</i> , 2013, 303, 195-209.	1.4	49
10	Climate extremes and the carbon cycle. <i>Nature</i> , 2013, 500, 287-295.	13.7	1,357
11	Homogenization in forest performance across an environmental gradient – The interplay between rainfall and topographic aspect. <i>Forest Ecology and Management</i> , 2013, 310, 256-266.	1.4	16
12	Methods for measuring plant vulnerability to cavitation: a critical review. <i>Journal of Experimental Botany</i> , 2013, 64, 4779-4791.	2.4	319
13	Cutting xylem under tension or supersaturated with gas can generate PLC and the appearance of rapid recovery from embolism. <i>Plant, Cell and Environment</i> , 2013, 36, 1938-1949.	2.8	333
14	The Structure, Distribution, and Biomass of the World's Forests. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 593-622.	3.8	616
15	Insular Woodiness on the Canary Islands: A Remarkable Case of Convergent Evolution. <i>International Journal of Plant Sciences</i> , 2013, 174, 992-1013.	0.6	104
16	Siberian pine decline and mortality in southern siberian mountains. <i>Forest Ecology and Management</i> , 2013, 310, 312-320.	1.4	55
17	Evaluating theories of drought-induced vegetation mortality using a multimodel “experiment framework. <i>New Phytologist</i> , 2013, 200, 304-321.	3.5	340
18	Take a tree to the limit: the stress line. <i>Tree Physiology</i> , 2013, 33, 887-890.	1.4	5
19	Can a species rapidly moving toward a self-inflicted extinction be considered successful?. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, 674-675.	1.6	2

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20	Integrated environmental assessment and management during a planetary state shift. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, 673-674.	1.6	1
21	Human deforestation outweighs future climate change impacts of sedimentation on coral reefs. <i>Nature Communications</i> , 2013, 4, 1986.	5.8	90
22	Tree regeneration following drought- and insect-induced mortality in piñon juniper woodlands. <i>New Phytologist</i> , 2013, 200, 402-412.	3.5	46
23	Declining pine growth in Central Spain coincides with increasing diurnal temperature range since the 1970s. <i>Global and Planetary Change</i> , 2013, 107, 177-185.	1.6	33
24	Summer droughts limit tree growth across 10 temperate species on a productive forest site. <i>Forest Ecology and Management</i> , 2013, 306, 142-149.	1.4	39
25	Drought response strategies define the relative contributions of hydraulic dysfunction and carbohydrate depletion during tree mortality. <i>New Phytologist</i> , 2013, 197, 862-872.	3.5	378
26	Shoot desiccation and hydraulic failure in temperate woody angiosperms during an extreme summer drought. <i>New Phytologist</i> , 2013, 200, 322-329.	3.5	176
27	Growth decline and divergent tree ring isotopic composition ( $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ ) contradict predictions of $\text{CO}_2$ stimulation in high altitudinal forests. <i>Global Change Biology</i> , 2013, 19, 1748-1758.	4.2	79
28	Genetic variation of drought-induced cavitation resistance among <i>Pinus hartwegii</i> populations from an altitudinal gradient. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2905-2913.	1.0	30
29	Drought characteristics' role in widespread aspen forest mortality across Colorado, USA. <i>Global Change Biology</i> , 2013, 19, 1526-1537.	4.2	98
30	The stem xylem of Patagonian shrubs operates far from the point of catastrophic dysfunction and is additionally protected from drought-induced embolism by leaves and roots. <i>Plant, Cell and Environment</i> , 2013, 36, 2163-2174.	2.8	63
31	Potential hydraulic efficiency in angiosperm trees increases with growth-site temperature but has no trade-off with mechanical strength. <i>Global Ecology and Biogeography</i> , 2013, 22, 971-981.	2.7	17
32	Evaluation of the impact of frost resistances on potential altitudinal limit of trees. <i>Tree Physiology</i> , 2013, 33, 891-902.	1.4	69
33	The evolution and function of vessel and pit characters with respect to cavitation resistance across 10 <i>Prunus</i> species. <i>Tree Physiology</i> , 2013, 33, 684-694.	1.4	82
34	Hydraulics of high-yield orchard trees: a case study of three <i>Malus domestica</i> cultivars. <i>Tree Physiology</i> , 2013, 33, 1296-1307.	1.4	32
35	Xylem recovery from drought-induced embolism: where is the hydraulic point of no return?. <i>Tree Physiology</i> , 2013, 33, 331-334.	1.4	99
36	Hydraulic and biomechanical optimization in Norway spruce trunkwood – a review. <i>IAWA Journal</i> , 2013, 34, 365-390.	2.7	30
37	Old Trees: Large and Small. <i>Science</i> , 2013, 339, 904-905.	6.0	10

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38	Water stress-induced xylem hydraulic failure is a causal factor of tree mortality in beech and poplar. <i>Annals of Botany</i> , 2013, 112, 1431-1437.	1.4	175
39	Divergence in Gene Expression Is Uncoupled from Divergence in Coding Sequence in a Secondarily Woody Sunflower. <i>International Journal of Plant Sciences</i> , 2013, 174, 1079-1089.	0.6	29
40	Maintenance of xylem Network Transport Capacity: A Review of Embolism Repair in Vascular Plants. <i>Frontiers in Plant Science</i> , 2013, 4, 108.	1.7	248
41	How to quantify conduits in wood?. <i>Frontiers in Plant Science</i> , 2013, 4, 56.	1.7	182
42	Root traits contributing to plant productivity under drought. <i>Frontiers in Plant Science</i> , 2013, 4, 442.	1.7	955
43	Dynamics of non-structural carbohydrates in three Mediterranean woody species following long-term experimental drought. <i>Frontiers in Plant Science</i> , 2013, 4, 400.	1.7	89
44	Xylem embolism threshold for catastrophic hydraulic failure in angiosperm trees. <i>Tree Physiology</i> , 2013, 33, 672-683.	1.4	406
45	Shifts in Leaf and Stem Hydraulic Traits across Aridity Gradients in Eastern Australia. <i>International Journal of Plant Sciences</i> , 2013, 174, 1292-1301.	0.6	43
46	Removal of nutrient limitations in forest gaps enhances growth rate and resistance to cavitation in subtropical canopy tree species differing in shade tolerance. <i>Tree Physiology</i> , 2013, 33, 285-296.	1.4	34
47	The effects of throughfall exclusion on xylogenesis of balsam fir. <i>Tree Physiology</i> , 2013, 33, 516-526.	1.4	26
48	In Vivo Visualizations of Drought-Induced Embolism Spread in <i>Vitis vinifera</i> . <i>Plant Physiology</i> , 2013, 161, 1820-1829.	2.3	179
49	Conservative water management in the widespread conifer genus <i>Callitris</i> . <i>AoB PLANTS</i> , 2013, 5, plt052-plt052.	1.2	25
50	Contrasting trait syndromes in angiosperms and conifers are associated with different responses of tree growth to temperature on a large scale. <i>Frontiers in Plant Science</i> , 2013, 4, 409.	1.7	160
51	Predicting thresholds of drought-induced mortality in woody plant species. <i>Tree Physiology</i> , 2013, 33, 669-671.	1.4	71
52	Carbon dynamics of eucalypt seedlings exposed to progressive drought in elevated [CO <sub>2</sub> ] and elevated temperature. <i>Tree Physiology</i> , 2013, 33, 779-792.	1.4	91
53	Precipitation thresholds and drought-induced tree death: insights from patterns of <i>Pinus edulis</i> mortality along an environmental stress gradient. <i>New Phytologist</i> , 2013, 200, 413-421.	3.5	78
54	Satellite-derived estimates of forest leaf area index in southwest Western Australia are not tightly coupled to interannual variations in rainfall: implications for groundwater decline in a drying climate. <i>Global Change Biology</i> , 2013, 19, 2401-2412.	4.2	41
55	Scientific assessment and traditional knowledge: A match not made in Heaven. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, 675-676.	1.6	0

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57	Response to Roark et al. (2013) "Influence of subsampling and modeling assumptions on the USEPA field-based benchmark for conductivity". Integrated Environmental Assessment and Management, 2013, 9, 677-678.	1.6	3
58	Thirsty roots and hungry leaves: unravelling the roles of carbon and water dynamics in tree mortality. New Phytologist, 2013, 200, 294-297.	3.5	32
59	Use of unbounded toxicity endpoints in ecological risk assessment. Integrated Environmental Assessment and Management, 2013, 9, 676-677.	1.6	1
60	Multimodel seasonal forecasting of global drought onset. Geophysical Research Letters, 2013, 40, 4900-4905.	1.5	130
61	Challenges in vulnerability assessment of forests under climate change. Carbon Management, 2013, 4, 403-411.	1.2	20
62	Anatomical regulation of ice nucleation and cavitation helps trees to survive freezing and drought stress. Scientific Reports, 2013, 3, 2031.	1.6	49
63	Increased susceptibility to drought-induced mortality in <i>Sequoia sempervirens</i> (Cupressaceae) trees under Cenozoic atmospheric carbon dioxide starvation. American Journal of Botany, 2013, 100, 582-591.	0.8	51
64	Historical links and new frontiers in the study of forest-atmosphere interactions. Community Ecology, 2013, 14, 208-218.	0.5	17
65	NEW TYPE OF VULNERABILITY CURVE GIVES INSIGHT IN THE HYDRAULIC CAPACITANCE AND CONDUCTIVITY OF THE XYLEM. Acta Horticulturae, 2013, , 341-347.	0.1	3
66	Tropical Forests Under a Changing Climate and Innovations in Tropical Forest Management. Tropical Conservation Science, 2013, 6, 315-324.	0.6	31
67	Climatic Correlates of Tree Mortality in Water- and Energy-Limited Forests. PLoS ONE, 2013, 8, e69917.	1.1	71
68	Growth-Mortality Relationships in Piñon Pine ( <i>Pinus edulis</i> ) during Severe Droughts of the Past Century: Shifting Processes in Space and Time. PLoS ONE, 2014, 9, e92770.	1.1	60
69	Tree-Ring Stable Isotopes Reveal Twentieth-Century Increases in Water-Use Efficiency of <i>Fagus sylvatica</i> and <i>Nothofagus</i> spp. in Italian and Chilean Mountains. PLoS ONE, 2014, 9, e113136.	1.1	56
70	Modeling stomatal conductance in the earth system: linking leaf water-use efficiency and water transport along the soil-plant-atmosphere continuum. Geoscientific Model Development, 2014, 7, 2193-2222.	1.3	293
71	Effect of parameter choice in root water uptake models " the arrangement of root hydraulic properties within the root architecture affects dynamics and efficiency of root water uptake. Hydrology and Earth System Sciences, 2014, 18, 4189-4206.	1.9	20
72	Carbon Sequestration in Central European Forest Ecosystems. , 0, , .		1
73	Optimal plant water-use strategies under stochastic rainfall. Water Resources Research, 2014, 50, 5379-5394.	1.7	41
74	Geographic And Seasonal Variation In Chaparral Vulnerability To Cavitation. Madroño, 2014, 61, 317-327.	0.3	38

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75	The hydroclimatic and ecophysiological basis of cloud forest distributions under current and projected climates. <i>Annals of Botany</i> , 2014, 113, 909-920.	1.4	91
76	The legacy of episodic climatic events in shaping temperate, broadleaf forests. <i>Ecological Monographs</i> , 2014, 84, 599-620.	2.4	140
77	Terrestrial ecosystem loss and biosphere collapse. <i>Management of Environmental Quality</i> , 2014, 25, 542-563.	2.2	9
78	Short-term water stress impacts on stomatal, mesophyll and biochemical limitations to photosynthesis differ consistently among tree species from contrasting climates. <i>Tree Physiology</i> , 2014, 34, 1035-1046.	1.4	118
79	Ultrasonic emissions reveal individual cavitation bubbles in water-stressed wood. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140480.	1.5	48
80	<i>Avicennia germinans</i> (black mangrove) vessel architecture is linked to chilling and salinity tolerance in the Gulf of Mexico. <i>Frontiers in Plant Science</i> , 2014, 5, 503.	1.7	54
81	Physiological and genomic basis of mechanical-functional trade-off in plant vasculature. <i>Frontiers in Plant Science</i> , 2014, 5, 224.	1.7	13
82	Cavitation Resistance in Seedless Vascular Plants: The Structure and Function of Interconduit Pit Membranes. <i>Plant Physiology</i> , 2014, 165, 895-904.	2.3	53
83	Reversible Deformation of Transfusion Tracheids in <i>Taxus baccata</i> Is Associated with a Reversible Decrease in Leaf Hydraulic Conductance. <i>Plant Physiology</i> , 2014, 165, 1557-1565.	2.3	39
84	How drought and deciduousness shape xylem plasticity in three Costa Rican woody plant species. <i>IAWA Journal</i> , 2014, 35, 337-355.	2.7	17
85	Uptake of Water via Branches Helps Timberline Conifers Refill Embolized Xylem in Late Winter. <i>Plant Physiology</i> , 2014, 164, 1731-1740.	2.3	142
86	Integrating plant hydraulics and gas exchange along the drought-response trait spectrum. <i>Tree Physiology</i> , 2014, 34, 1031-1034.	1.4	26
87	The world-wide "fast-slow" plant economics spectrum: a traits manifesto. <i>Journal of Ecology</i> , 2014, 102, 275-301.	1.9	2,379
88	The dynamic pipeline: hydraulic capacitance and xylem hydraulic safety in four tall conifer species. <i>Plant, Cell and Environment</i> , 2014, 37, 1171-1183.	2.8	135
89	Recent advances in tree hydraulics highlight the ecological significance of the hydraulic safety margin. <i>New Phytologist</i> , 2014, 203, 355-358.	3.5	158
90	Hydrolase treatments help unravel the function of intervessel pits in xylem hydraulics. <i>Physiologia Plantarum</i> , 2014, 150, 388-396.	2.6	14
91	Limited genetic variability and phenotypic plasticity detected for cavitation resistance in a Mediterranean pine. <i>New Phytologist</i> , 2014, 201, 874-886.	3.5	170
92	Vulnerability to cavitation in <i>Olea europaea</i> current-year shoots: further evidence of an open vessel artifact associated with centrifuge and air injection techniques. <i>Physiologia Plantarum</i> , 2014, 152, 465-474.	2.6	92

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94	Exposure of trees to drought-induced die-off is defined by a common climatic threshold across different vegetation types. <i>Ecology and Evolution</i> , 2014, 4, 1088-1101.	0.8	125
95	Smoke consequences of new wildfire regimes driven by climate change. <i>Earth's Future</i> , 2014, 2, 35-59.	2.4	51
96	Declining hydraulic performances and low carbon investments in tree rings predate Scots pine drought-induced mortality. <i>Trees - Structure and Function</i> , 2014, 28, 1737-1750.	0.9	58
97	Responses of gas-exchange rates and water relations to annual fluctuations of weather in three species of urban street trees. <i>Tree Physiology</i> , 2014, 34, 1056-1068.	1.4	21
98	Penguins in peril. <i>Nature Climate Change</i> , 2014, 4, 667-668.	8.1	1
99	Modelling the mechanical behaviour of pit membranes in bordered pits with respect to cavitation resistance in angiosperms. <i>Annals of Botany</i> , 2014, 114, 325-334.	1.4	59
100	Introducing the Scientific Consensus on Maintaining Humanity's Life Support Systems in the 21st Century: Information for Policy Makers. <i>Infrastructure Asset Management</i> , 2014, 1, 78-109.	1.2	55
101	A broad survey of hydraulic and mechanical safety in the xylem of conifers. <i>Journal of Experimental Botany</i> , 2014, 65, 4419-4431.	2.4	135
102	Interactions of sapsuckers and <i>Cytospora</i> canker can facilitate decline of riparian willows. <i>Botany</i> , 2014, 92, 485-493.	0.5	5
103	Change and Evolution in the Plant Hardiness Zones of Canada. <i>BioScience</i> , 2014, 64, 341-350.	2.2	27
104	Ontogenetic resource-use strategies in a rare long-lived cycad along environmental gradients. , 2014, 2, cou034-cou034.		21
105	Disturbance legacies and climate jointly drive tree growth and mortality in an intensively studied boreal forest. <i>Global Change Biology</i> , 2014, 20, 216-227.	4.2	74
106	Drought induced decline could portend widespread pine mortality at the xeric ecotone in managed mediterranean pine-oak woodlands. <i>Forest Ecology and Management</i> , 2014, 320, 70-82.	1.4	76
107	Endemism in Mainland Regions " Case Studies. <i>Plant and Vegetation</i> , 2014, , 205-308.	0.6	12
108	Plant genetics and interspecific competitive interactions determine ectomycorrhizal fungal community responses to climate change. <i>Molecular Ecology</i> , 2014, 23, 1379-1391.	2.0	58
109	Genetic divergence in forest trees: understanding the consequences of climate change. <i>Functional Ecology</i> , 2014, 28, 22-36.	1.7	105
110	Loss of whole-tree hydraulic conductance during severe drought and multi-year forest die-off. <i>Oecologia</i> , 2014, 175, 11-23.	0.9	69

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111	Temperature and rainfall strongly drive temporal growth variation in Asian tropical forest trees. <i>Oecologia</i> , 2014, 174, 1449-1461.	0.9	122
112	Plant genetic effects on soils under climate change. <i>Plant and Soil</i> , 2014, 379, 1-19.	1.8	52
113	Phloem transport and drought. <i>Journal of Experimental Botany</i> , 2014, 65, 1751-1759.	2.4	213
114	Species differences in the seasonality of evergreen tree transpiration in a Mediterranean climate: Analysis of multiyear, half-hourly sap flow observations. <i>Water Resources Research</i> , 2014, 50, 1869-1894.	1.7	57
115	Changes in stem water content influence sap flux density measurements with thermal dissipation probes. <i>Trees - Structure and Function</i> , 2014, 28, 949-955.	0.9	34
116	Changing precipitation regimes and the water and carbon economies of trees. <i>Theoretical and Experimental Plant Physiology</i> , 2014, 26, 65-82.	1.1	31
117	Analysis of superheated loop heat pipes exploiting nanoporous wick membranes. <i>AIChE Journal</i> , 2014, 60, 762-777.	1.8	9
118	Relax and refill: xylem rehydration prior to hydraulic measurements favours embolism repair in stems and generates artificially low $\psi_{sc}$ values. <i>Plant, Cell and Environment</i> , 2014, 37, 2491-2499.	2.8	94
119	Relationships between stomatal behavior, xylem vulnerability to cavitation and leaf water relations in two cultivars of <i>Vitis vinifera</i> . <i>Physiologia Plantarum</i> , 2014, 152, 453-464.	2.6	68
120	Freeze-Thaw Stress: Effects of Temperature on Hydraulic Conductivity and Ultrasonic Activity in Ten Woody Angiosperms. <i>Plant Physiology</i> , 2014, 164, 992-998.	2.3	60
121	Whole-plant capacitance, embolism resistance and slow transpiration rates all contribute to longer desiccation times in woody angiosperms from arid and wet habitats. <i>Tree Physiology</i> , 2014, 34, 275-284.	1.4	49
122	Sapwood capacitance is greater in evergreen sclerophyll species growing in high compared to low-rainfall environments. <i>Functional Ecology</i> , 2014, 28, 734-744.	1.7	34
123	The challenge of the Mediterranean climate to plant hydraulics: Responses and adaptations. <i>Environmental and Experimental Botany</i> , 2014, 103, 68-79.	2.0	96
124	Xylogenesis of <i>Pinus pinaster</i> under a Mediterranean climate. <i>Annals of Forest Science</i> , 2014, 71, 71-80.	0.8	96
125	The Physicochemical Hydrodynamics of Vascular Plants. <i>Annual Review of Fluid Mechanics</i> , 2014, 46, 615-642.	10.8	160
126	The fast dynamics of cavitation bubbles within water confined in elastic solids. <i>Soft Matter</i> , 2014, 10, 1455.	1.2	58
127	The effect of fungal pathogens on the water and carbon economy of trees: implications for drought-induced mortality. <i>New Phytologist</i> , 2014, 203, 1028-1035.	3.5	157
128	Towards an advanced assessment of the hydrological vulnerability of forests to climate change-induced drought. <i>New Phytologist</i> , 2014, 201, 712-716.	3.5	76



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129	Static and dynamic bending has minor effects on xylem hydraulics of conifer branches ( <i>Picea abies</i> ). <i>Tree Physiology</i> , 2014, 34, 107-114.	0.0	4
130	Strong hydraulic segmentation and leaf senescence due to dehydration may trigger die-back in <i>Nothofagus dombeyi</i> under severe droughts: a comparison with the co-occurring <i>Austrocedrus chilensis</i> . <i>Trees - Structure and Function</i> , 2014, 28, 1475-1487.	0.9	44
131	Wood density as a screening trait for drought sensitivity in Norway spruce. <i>Canadian Journal of Forest Research</i> , 2014, 44, 154-161.	0.8	58
132	How reliable are methods to assess xylem vulnerability to cavitation? The issue of 'open vessel' artifact in oaks. <i>Tree Physiology</i> , 2014, 34, 894-905.	1.4	78
133	Climate change and Ecotone boundaries: Insights from a cellular automata ecohydrology model in a Mediterranean catchment with topography controlled vegetation patterns. <i>Advances in Water Resources</i> , 2014, 73, 159-175.	1.7	32
134	The variability of stomatal sensitivity to leaf water potential across tree species indicates a continuum between isohydric and anisohydric behaviours. <i>Functional Ecology</i> , 2014, 28, 1313-1320.	1.7	544
135	Diverse responses of forest growth to drought time-scales in the Northern Hemisphere. <i>Global Ecology and Biogeography</i> , 2014, 23, 1019-1030.	2.7	134
136	Conifer species adapt to low-rainfall climates by following one of two divergent pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14489-14493.	3.3	262
137	Consequences for ectomycorrhizal fungi of the selective loss or gain of pine across landscapes. <i>Botany</i> , 2014, 92, 855-865.	0.5	21
138	Down-Regulation of Plasma Intrinsic Protein1 Aquaporin in Poplar Trees Is Detrimental to Recovery from Embolism. <i>Plant Physiology</i> , 2014, 164, 1789-1799.	2.3	65
139	Temporal scales for the coordination of tree carbon and water economies during droughts. <i>Tree Physiology</i> , 2014, 34, 439-442.	1.4	19
140	Drought enhances folivory by shifting foliar metabolomes in <i>Quercus ilex</i> trees. <i>New Phytologist</i> , 2014, 202, 874-885.	3.5	81
141	Plant diversity and drought: The role of deep roots. <i>Ecological Modelling</i> , 2014, 290, 85-93.	1.2	33
142	From systematic to ecological wood anatomy and finally plant hydraulics: are we making progress in understanding xylem evolution?. <i>New Phytologist</i> , 2014, 203, 12-15.	3.5	14
143	Climate change and European forests: What do we know, what are the uncertainties, and what are the implications for forest management?. <i>Journal of Environmental Management</i> , 2014, 146, 69-83.	3.8	460
144	Growth response of five co-occurring conifers to drought across a wide climatic gradient in Central Europe. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 1-12.	1.9	111
145	The importance of hydraulic conductivity and wood density to growth performance in eight tree species from a tropical semi-dry climate. <i>Forest Ecology and Management</i> , 2014, 330, 126-136.	1.4	80
146	Leaf hydraulic capacity and drought vulnerability: possible trade-offs and correlations with climate across three major biomes. <i>Functional Ecology</i> , 2014, 28, 810-818.	1.7	112

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148	Drought: The most important physical stress of terrestrial ecosystems. <i>Acta Ecologica Sinica</i> , 2014, 34, 179-183.	0.9	24
149	Trade-offs between xylem hydraulic properties, wood anatomy and yield in <i>Populus</i> . <i>Tree Physiology</i> , 2014, 34, 744-756.	1.4	66
150	Coping with drought-induced xylem cavitation: coordination of embolism repair and ionic effects in three Mediterranean evergreens. <i>Tree Physiology</i> , 2014, 34, 109-122.	1.4	69
151	Wood structural differences between northern and southern beech provenances growing at a moderate site. <i>Tree Physiology</i> , 2014, 34, 882-893.	1.4	58
152	Rapid hydraulic recovery in <i>Eucalyptus pauciflora</i> after drought: linkages between stem hydraulics and leaf gas exchange. <i>Plant, Cell and Environment</i> , 2014, 37, 617-626.	2.8	112
153	Linking plant and ecosystem functional biogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13697-13702.	3.3	255
154	Comparative axial widening of phloem and xylem conduits in small woody plants. <i>Trees - Structure and Function</i> , 2014, 28, 915-921.	0.9	55
155	High-resolution analysis of stem radius variations in black spruce [ <i>Picea mariana</i> (Mill.) BSP] subjected to rain exclusion for three summers. <i>Trees - Structure and Function</i> , 2014, 28, 1257-1265.	0.9	20
156	Projecting future drought in Mediterranean forests: bias correction of climate models matters!. <i>Theoretical and Applied Climatology</i> , 2014, 117, 113-122.	1.3	49
157	An overview of climate change vulnerability: a bibliometric analysis based on Web of Science database. <i>Natural Hazards</i> , 2014, 74, 1649-1666.	1.6	170
158	Norway spruce physiological and anatomical predisposition to dieback. <i>Forest Ecology and Management</i> , 2014, 322, 27-36.	1.4	57
159	Increased water-use efficiency does not lead to enhanced tree growth under xeric and mesic conditions. <i>New Phytologist</i> , 2014, 203, 94-109.	3.5	158
160	A new look at water transport regulation in plants. <i>New Phytologist</i> , 2014, 204, 105-115.	3.5	404
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165	Plump trees win under drought. <i>Nature Climate Change</i> , 2014, 4, 666-667.	8.1	23

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640	The legacy of water deficit on populations having experienced negative hydraulic safety margin. <i>Global Ecology and Biogeography</i> , 2018, 27, 346-356.	2.7	36
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643	Distribution of pines in the Iberian Peninsula agrees with species differences in foliage frost tolerance, not with vulnerability to freezing-induced xylem embolism. <i>Tree Physiology</i> , 2018, 38, 507-516.	1.4	24
644	Robustness of xylem properties in conifers: analyses of tracheid and pit dimensions along elevational transects. <i>Tree Physiology</i> , 2018, 38, 212-222.	1.4	15
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646	Variation in xylem vulnerability to embolism in European beech from geographically marginal populations. <i>Tree Physiology</i> , 2018, 38, 173-185.	1.4	93
647	Comparative tree-ring anatomy of <i>Fraxinus excelsior</i> with <i>Chalara dieback</i> . <i>Journal of Forestry Research</i> , 2018, 29, 1741-1749.	1.7	3
648	Is there a substitution of Pinaceae by Fagaceae in temperate forests at the global scale?. <i>Global and Planetary Change</i> , 2018, 166, 41-47.	1.6	14
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658	Why Functional Traits Do Not Predict Tree Demographic Rates. <i>Trends in Ecology and Evolution</i> , 2018, 33, 326-336.	4.2	162
659	Changes in tree resistance, recovery and resilience across three successive extreme droughts in the northeast Iberian Peninsula. <i>Oecologia</i> , 2018, 187, 343-354.	0.9	94

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661	Effect of water stress on plant behavior during subsequent drought stress. <i>Environmental and Experimental Botany</i> , 2018, 150, 106-114.	2.0	83
662	Cellulose and homogalacturonans influence xylem hydraulic properties in poplar. <i>Physiologia Plantarum</i> , 2018, 163, 502-515.	2.6	6
663	Water system characteristics of Karst river basins in South China and their driving mechanisms of hydrological drought. <i>Natural Hazards</i> , 2018, 92, 1155-1178.	1.6	14
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719	Low Vulnerability to Xylem Embolism in Leaves and Stems of North American Oaks. <i>Plant Physiology</i> , 2018, 177, 1066-1077.	2.3	117
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738	Leaf rehydration capacity: Associations with other indices of drought tolerance and environment. <i>Plant, Cell and Environment</i> , 2018, 41, 2638-2653.	2.8	32
739	Wheat leaves embolized by water stress do not recover function upon rewatering. <i>Plant, Cell and Environment</i> , 2018, 41, 2704-2714.	2.8	59
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763	Shifting species and functional diversity due to abrupt changes in water availability in tropical dry forests. <i>Journal of Ecology</i> , 2019, 107, 253-264.	1.9	13
764	Less safety for more efficiency: water relations and hydraulics of the invasive tree <i>Ailanthus altissima</i> (Mill.) Swingle compared with native <i>Fraxinus ornus</i> L.. <i>Tree Physiology</i> , 2019, 39, 76-87.	1.4	36
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766	Antecedent soil water content and vapor pressure deficit interactively control water potential in <i>Larrea tridentata</i> . <i>New Phytologist</i> , 2019, 221, 218-232.	3.5	26
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769	Common garden experiments disentangle plant genetic and environmental contributions to ectomycorrhizal fungal community structure. <i>New Phytologist</i> , 2019, 221, 493-502.	3.5	40
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771	Remotely Sensing Variation in Ecological Strategies and Plant Traits of Willows in Perialpine Floodplains. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2090-2106.	1.3	4
772	The conifer-curve: fast prediction of hydraulic conductivity loss and vulnerability to cavitation. <i>Annals of Forest Science</i> , 2019, 76, 1.	0.8	13
773	Contrasting resistance and resilience to extreme drought and late spring frost in five major European tree species. <i>Global Change Biology</i> , 2019, 25, 3781-3792.	4.2	152
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776	Responses of ecosystem water use efficiency to meteorological drought under different biomes and drought magnitudes in northern China. <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107660.	1.9	72
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780	The Tree Height Growth of Most Southern Scot Pine Populations Are Locally Adapted to Drought. <i>Forests</i> , 2019, 10, 555.	0.9	10
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783	Droughts and the ecological future of tropical savanna vegetation. <i>Journal of Ecology</i> , 2019, 107, 1531-1549.	1.9	65
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785	Desiccation time during drought is highly predictable across species of <i>Eucalyptus</i> from contrasting climates. <i>New Phytologist</i> , 2019, 224, 632-643.	3.5	65
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808	Regeneration origin affects radial growth patterns preceding oak decline and death – insights from tree-ring $\delta^{13}C$ and $\delta^{18}O$ . <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107685.	1.9	18
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893	Plant Hydraulics. , 2019, , 213-227.		2
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920	Tree species from two contrasting habitats for use in harsh urban environments respond differently to extreme drought. <i>International Journal of Biometeorology</i> , 2019, 63, 197-208.	1.3	18
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954	Similar patterns of background mortality across Europe are mostly driven by drought in European beech and a combination of drought and competition in Scots pine. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107772.	1.9	30
955	Optimal stomatal drought response shaped by competition for water and hydraulic risk can explain plant trait covariation. <i>New Phytologist</i> , 2020, 225, 1206-1217.	3.5	46
956	Tree growth declines and mortality were associated with a parasitic plant during warm and dry climatic conditions in a temperate coniferous forest ecosystem. <i>Global Change Biology</i> , 2020, 26, 1714-1724.	4.2	24
957	Patch aggregation trends of the global climate landscape under future global warming scenario. <i>International Journal of Climatology</i> , 2020, 40, 2674-2685.	1.5	58
958	Impact of rainfall extremes on energy exchange and surface temperature anomalies across biomes in the Horn of Africa. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107779.	1.9	18
959	Within-tree variability and sample storage effects of bordered pit membranes in xylem of <i>Acer pseudoplatanus</i> . <i>Trees - Structure and Function</i> , 2020, 34, 61-71.	0.9	31
960	Using the CODIT model to explain secondary metabolites of xylem in defence systems of temperate trees against decay fungi. <i>Annals of Botany</i> , 2020, 125, 701-720.	1.4	50
961	Contrasting patterns of tree species mixture effects on wood $\delta^{13}C$ along an environmental gradient. <i>European Journal of Forest Research</i> , 2020, 139, 229-245.	1.1	7
962	Sacrificing growth and maintaining a dynamic carbohydrate storage are key processes for promoting beech survival under prolonged drought conditions. <i>Trees - Structure and Function</i> , 2020, 34, 381-394.	0.9	30
963	Die hard: timberline conifers survive annual winter embolism. <i>New Phytologist</i> , 2020, 226, 13-20.	3.5	31
964	Leaf drought tolerance cannot be inferred from classic leaf traits in a tropical rainforest. <i>Journal of Ecology</i> , 2020, 108, 1030-1045.	1.9	29
965	Elevated [CO <sub>2</sub> ] alleviates the impacts of water deficit on xylem anatomy and hydraulic properties of maize stems. <i>Plant, Cell and Environment</i> , 2020, 43, 563-578.	2.8	19
966	Drought characteristics and its impact on changes in surface vegetation from 1981 to 2015 in the Yangtze River Basin, China. <i>International Journal of Climatology</i> , 2020, 40, 3380-3397.	1.5	47
967	How neighbourhood interactions control the temporal stability and resilience to drought of trees in mountain forests. <i>Journal of Ecology</i> , 2020, 108, 666-677.	1.9	22
968	Current climate, isolation and history drive global patterns of tree phylogenetic endemism. <i>Global Ecology and Biogeography</i> , 2020, 29, 4-15.	2.7	43
969	Independent genetic control of drought resistance, recovery, and growth of <i>Eucalyptus globulus</i> seedlings. <i>Plant, Cell and Environment</i> , 2020, 43, 103-115.	2.8	10
970	In vitro drought tolerance in selected elite clones of <i>Eucalyptus tereticornis</i> Sm.. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	18

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972	Phenotypic plasticity and genetic adaptation of functional traits influences intra-specific variation in hydraulic efficiency and safety. <i>Tree Physiology</i> , 2020, 40, 215-229.	1.4	49
973	Differential drought resistance strategies of co-existing woodland species enduring the long rainless Eastern Mediterranean summer. <i>Tree Physiology</i> , 2020, 40, 305-320.	1.4	9
974	Neighbourhood diversity mitigates drought impacts on tree growth. <i>Journal of Ecology</i> , 2020, 108, 865-875.	1.9	41
975	Local adaptation constrains drought tolerance in a tropical foundation tree. <i>Journal of Ecology</i> , 2020, 108, 1540-1552.	1.9	31
976	Stomatal optimization based on xylem hydraulics (SOX) improves land surface model simulation of vegetation responses to climate. <i>New Phytologist</i> , 2020, 226, 1622-1637.	3.5	95
977	Limited stomatal regulation of the largest-size class of <i>Dryobalanops aromatica</i> in a Bornean tropical rainforest in response to artificial soil moisture reduction. <i>Journal of Plant Research</i> , 2020, 133, 175-191.	1.2	10
978	TRY plant trait database "enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
979	Switching of dominant positions between two sand-fixing shrub species during the dune revegetation process is underlain by their contrasting xylem hydraulics and water-use strategies. <i>Land Degradation and Development</i> , 2020, 31, 1195-1205.	1.8	10
980	Xylem embolism in leaves does not occur with open stomata: evidence from direct observations using the optical visualization technique. <i>Journal of Experimental Botany</i> , 2020, 71, 1151-1159.	2.4	71
981	Parched pines: a quantitative comparison of two multi-year droughts and associated mass mortalities of bishop pine ( <i>Pinus muricata</i> ) on Santa Cruz Island, California. <i>Remote Sensing in Ecology and Conservation</i> , 2020, 6, 20-34.	2.2	7
982	Toward an integrated view of the "elephant": unlocking the mysteries of water transport and xylem vulnerability in oaks. <i>Tree Physiology</i> , 2020, 40, 1-4.	1.4	8
983	Multiscale hydrological drought analysis: Role of climate, catchment and morphological variables and associated thresholds. <i>Journal of Hydrology</i> , 2020, 582, 124533.	2.3	37
984	Seasonal variation in native hydraulic conductivity between two deciduous oak species. <i>Journal of Plant Ecology</i> , 2020, 13, 78-86.	1.2	2
985	Depth distribution of soil water sourced by plants at the global scale: A new direct inference approach. <i>Ecohydrology</i> , 2020, 13, e2177.	1.1	43
986	Plant profit maximization improves predictions of European forest responses to drought. <i>New Phytologist</i> , 2020, 226, 1638-1655.	3.5	59
987	Differences in leaf physiology among juvenile pines and oaks following high-severity wildfire in an Arizona Sky Island Mountain range. <i>Forest Ecology and Management</i> , 2020, 457, 117704.	1.4	14
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990	Growing season temperature and precipitation are independent drivers of global variation in xylem hydraulic conductivity. <i>Global Change Biology</i> , 2020, 26, 1833-1841.	4.2	36
991	Hydraulic traits that buffer deep-rooted plants from changes in hydrology and climate. <i>Hydrological Processes</i> , 2020, 34, 209-222.	1.1	34
992	Life-History Plasticity and Water-Use Trade-Offs Associated with Drought Resistance in a Clade of California Jewelflowers. <i>American Naturalist</i> , 2020, 195, 691-704.	1.0	14
993	The Possible Role of Non-Structural Carbohydrates in the Regulation of Tree Hydraulics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 144.	1.8	76
994	Practical Implications of Different Phenotypic and Molecular Responses of Evergreen Conifer and Broadleaf Deciduous Forest Tree Species to Regulated Water Deficit in a Container Nursery. <i>Forests</i> , 2020, 11, 1011.	0.9	10
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996	What do we know about the origin of our urban trees? â€œ A north European perspective. <i>Urban Forestry and Urban Greening</i> , 2020, 56, 126879.	2.3	5
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1001	Drought response of European beech ( <i>Fagus sylvatica</i> L.)â€œA review. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2020, 47, 125576.	1.1	116
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1003	Stomatal Sensitivity to Vapor Pressure Deficit and the Loss of Hydraulic Conductivity Are Coordinated in <i>Populus euphratica</i> , a Desert Phreatophyte Species. <i>Frontiers in Plant Science</i> , 2020, 11, 1248.	1.7	10
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1005	Temperature alters the response of hydraulic architecture to CO2 in cotton plants ( <i>Gossypium</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 100	2.0	7
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1008	Abscisic Acid Mediates Drought and Salt Stress Responses in <i>Vitis vinifera</i> —A Review. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8648.	1.8	44
1009	Sixty-five years of fire manipulation reveals climate and fire interact to determine growth rates of <i>Quercus</i> spp.. <i>Ecosphere</i> , 2020, 11, e03287.	1.0	4
1010	Weak Tradeoff and Strong Segmentation Among Plant Hydraulic Traits During Seasonal Variation in Four Woody Species. <i>Frontiers in Plant Science</i> , 2020, 11, 585674.	1.7	12
1011	The acquisitive—conservative axis of leaf trait variation emerges even in homogeneous environments. <i>Annals of Botany</i> , 2022, 129, 709-722.	1.4	18
1012	A handbook for the standardised sampling of plant functional traits in disturbance-prone ecosystems, with a focus on open ecosystems. <i>Australian Journal of Botany</i> , 2020, 68, 473.	0.3	38
1013	A Matter of Life and Death: Alternative Stable States in Trees, From Xylem to Ecosystems. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	11
1014	Counter-Intuitive Response to Water Limitation in a Southern European Provenance of <i>Frangula alnus</i> Mill. in a Common Garden Experiment. <i>Forests</i> , 2020, 11, 1186.	0.9	3
1015	Radial growth responses of tulip poplar ( <i>Liriodendron tulipifera</i> ) to climate in the eastern United States. <i>Ecosphere</i> , 2020, 11, e03203.	1.0	5
1016	Foliar water uptake of fog confers ecophysiological benefits to four common tree species of southeastern freshwater forested wetlands. <i>Ecohydrology</i> , 2020, 13, e2240.	1.1	16
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1022	The Net Effect of Functional Traits on Fitness. <i>Trends in Ecology and Evolution</i> , 2020, 35, 1037-1047.	4.2	107
1023	<i>Juniperus communis</i> populations exhibit low variability in hydraulic safety and efficiency. <i>Tree Physiology</i> , 2020, 40, 1668-1679.	1.4	11
1024	Even when the seasons change our allometry stays the same. A Commentary on: —Corner™s rules pass the test of time: little effect of phenology on leaf-shoot and other scaling relationships—™. <i>Annals of Botany</i> , 2020, 126, iii-iv.	1.4	1

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1026	Topographic, soil, and climate drivers of drought sensitivity in forests and shrublands of the Pacific Northwest, USA. <i>Scientific Reports</i> , 2020, 10, 18486.	1.6	34
1027	Divergent Hydraulic Strategies Explain the Interspecific Associations of Co-Occurring Trees in Forests of a Steppe Ecotone. <i>Forests</i> , 2020, 11, 942.	0.9	7
1028	An Integrative Ecological Drought Framework to Span Plant Stress to Ecosystem Transformation. <i>Ecosystems</i> , 2021, 24, 739-754.	1.6	22
1029	The decoupling between gas exchange and water potential of <i>Cinnamomum camphora</i> seedlings during drought recovery and its relation to ABA accumulation in leaves. <i>Journal of Plant Ecology</i> , 2020, 13, 683-692.	1.2	9
1030	Non-invasive imaging reveals convergence in root and stem vulnerability to cavitation across five tree species. <i>Journal of Experimental Botany</i> , 2020, 71, 6623-6637.	2.4	19
1031	Using a Trait-Based Approach to Compare Tree Species Sensitivity to Climate Change Stressors in Eastern Canada and Inform Adaptation Practices. <i>Forests</i> , 2020, 11, 989.	0.9	22
1032	Optimization can provide the fundamental link between leaf photosynthesis, gas exchange and water relations. <i>Nature Plants</i> , 2020, 6, 1116-1125.	4.7	58
1033	Adaptation and coordinated evolution of plant hydraulic traits. <i>Ecology Letters</i> , 2020, 23, 1599-1610.	3.0	58
1034	Drought-Induced Xylem Embolism Limits the Recovery of Leaf Gas Exchange in Scots Pine. <i>Plant Physiology</i> , 2020, 184, 852-864.	2.3	47
1035	Effect of Seasonal Rains and Floods on Seedling Recruitment and Compositional Similarity in Two Lowland Tropical Forests. <i>Forests</i> , 2020, 11, 1297.	0.9	2
1037	SMAP Detects Soil Moisture Under Temperate Forest Canopies. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089697.	1.5	34
1038	Contrasting Leaf Trait Responses of Conifer and Broadleaved Seedlings to Altered Resource Availability Are Linked to Resource Strategies. <i>Plants</i> , 2020, 9, 621.	1.6	8
1039	Phenomenon of Guttation and Its Machinery. , 2020, , 1-18.		0
1040	General Conclusions and Future Perspectives. , 2020, , 144-147.		0
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1044	Regulation of Guttation. , 2020, , 55-70.		0

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1046	Plant Microbiology and Phytopathology of Guttation. , 2020, , 93-105.		0
1047	Significance of Guttation in Soilâ€“Plantâ€“Animalâ€“Environment Systems. , 2020, , 106-124.		0
1048	Significance of Guttation, Associated Structures, and Root Secretion in the Production of Pharmaceuticals and Other Commercial Products. , 2020, , 125-143.		0
1050	Droughtâ€“induced lacuna formation in the stem causes hydraulic conductance to decline before xylem embolism in <i>Selaginella</i> . <i>New Phytologist</i> , 2020, 227, 1804-1817.	3.5	18
1051	How Climate Shapes the Functioning of Tropical Montane Cloud Forests. <i>Current Forestry Reports</i> , 2020, 6, 97-114.	3.4	17
1052	Leaf hydraulic properties are decoupled from leaf area across coffee species. <i>Trees - Structure and Function</i> , 2020, 34, 1507-1514.	0.9	12
1053	A comparison of five methods to assess embolism resistance in trees. <i>Forest Ecology and Management</i> , 2020, 468, 118175.	1.4	39
1054	Transcriptome profiles identify the common responsive genes to drought stress in two <i>Elymus</i> species. <i>Journal of Plant Physiology</i> , 2020, 250, 153183.	1.6	8
1055	The resistance and resilience of European beech seedlings to drought stress during the period of leaf development. <i>Tree Physiology</i> , 2020, 40, 1147-1164.	1.4	21
1056	Leaf Traits of Drought Tolerance for 37 Shrub Species Originating from a Moisture Gradient. <i>Water (Switzerland)</i> , 2020, 12, 1626.	1.2	3
1057	Effects of disturbance patterns and deadwood on the microclimate in European beech forests. <i>Agricultural and Forest Meteorology</i> , 2020, 291, 108066.	1.9	61
1058	Temporal trade-off between gymnosperm resistance and resilience increases forest sensitivity to extreme drought. <i>Nature Ecology and Evolution</i> , 2020, 4, 1075-1083.	3.4	134
1059	Climatic factors controlling stem growth of alien tree species at a mesic forest site: a multispecies approach. <i>European Journal of Forest Research</i> , 2020, 139, 915-934.	1.1	3
1060	First indications of seasonal and spatial variations of water sources in pine trees along an elevation gradient in a Mediterranean ecosystem derived from $\delta^{18}O$ . <i>Chemical Geology</i> , 2020, 549, 119695.	1.4	12
1061	Transpiration drivers of high-elevation five-needle pines ( <i>Pinus longaeva</i> and <i>Pinus flexilis</i> ) in sky-island ecosystems of the North American Great Basin. <i>Science of the Total Environment</i> , 2020, 739, 139861.	3.9	23
1062	Vulnerability and hydraulic segmentations at the stemâ€“leaf transition: coordination across Neotropical trees. <i>New Phytologist</i> , 2020, 228, 512-524.	3.5	46
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1065	Identifying areas at risk of drought-induced tree mortality across South-Eastern Australia. <i>Global Change Biology</i> , 2020, 26, 5716-5733.	4.2	79
1066	Physiology and Growth of Douglas-Fir and Redwood Seedlings Planted After Partial Harvesting. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	6
1067	Plant Traits Help Explain the Tight Relationship between Vegetation Indices and Gross Primary Production. <i>Remote Sensing</i> , 2020, 12, 1405.	1.8	27
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1069	Plant-Fire Interactions. <i>Managing Forest Ecosystems</i> , 2020, , .	0.4	20
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1071	Plant Carbon Economies and the Dynamics of Wildland Fuels. <i>Managing Forest Ecosystems</i> , 2020, , 93-115.	0.4	1
1072	The DroughtBox: A new tool for phenotyping residual branch conductance and its temperature dependence during drought. <i>Plant, Cell and Environment</i> , 2020, 43, 1584-1594.	2.8	26
1073	Climate Change May Increase the Drought Stress of Mesophytic Trees Downslope With Ongoing Forest Mesophication Under a History of Fire Suppression. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	10
1074	Patterns in nonstructural carbohydrate contents at the tree organ level in response to drought duration. <i>Global Change Biology</i> , 2020, 26, 3627-3638.	4.2	94
1075	Warming-induced unprecedented high-elevation forest growth over the monsoonal Tibetan Plateau. <i>Environmental Research Letters</i> , 2020, 15, 054011.	2.2	23
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1077	Changes in abscisic acid content during and after drought are related to carbohydrate mobilization and hydraulic recovery in poplar stems. <i>Tree Physiology</i> , 2020, 40, 1043-1057.	1.4	15
1078	Functional Trait Variation Among and Within Species and Plant Functional Types in Mountainous Mediterranean Forests. <i>Frontiers in Plant Science</i> , 2020, 11, 212.	1.7	35
1079	Climate change effects on biodiversity, ecosystems, ecosystem services, and natural resource management in the United States. <i>Science of the Total Environment</i> , 2020, 733, 137782.	3.9	368
1080	Hydraulic traits vary as the result of tip-to-base conduit widening in vascular plants. <i>Journal of Experimental Botany</i> , 2020, 71, 4232-4242.	2.4	23
1081	Trait velocities reveal that mortality has driven widespread coordinated shifts in forest hydraulic trait composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8532-8538.	3.3	55

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1083	Plant hydraulic traits reveal islands as refugia from worsening drought. , 2020, 8, coz115.		12
1084	Xylem cavitation isolates leaky flowers during water stress in pyrethrum. <i>New Phytologist</i> , 2020, 227, 146-155.	3.5	32
1085	Response of Plants to Water Stress: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020, 11, 978.	1.7	85
1086	How does varying water supply affect oxygen isotope variations in needles and tree rings of Scots pine?. <i>Tree Physiology</i> , 2020, 40, 1366-1380.	1.4	7
1087	The impacts of urbanization and climate change on urban vegetation dynamics in China. <i>Urban Forestry and Urban Greening</i> , 2020, 54, 126764.	2.3	65
1088	Xylem Embolism Spreads by Single-Conduit Events in Three Dry Forest Angiosperm Stems. <i>Plant Physiology</i> , 2020, 184, 212-222.	2.3	33
1089	Drought Impacts on Vegetation in Southeastern Europe. <i>Remote Sensing</i> , 2020, 12, 2156.	1.8	19
1091	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , 2020, 26, 3336-3355.	4.2	50
1092	Drought Treated Seedlings of <i>Quercus petraea</i> (Matt.) Liebl., <i>Q. robur</i> L. and Their Morphological Intermediates Show Differential Radial Growth and Wood Anatomical Traits. <i>Forests</i> , 2020, 11, 250.	0.9	4
1093	Climate signal shift under the influence of prevailing climate warming “ Evidence from <i>Quercus liaotungensis</i> on Dongling Mountain, Beijing, China. <i>Dendrochronologia</i> , 2020, 60, 125683.	1.0	10
1094	Amazonia trees have limited capacity to acclimate plant hydraulic properties in response to long-term drought. <i>Global Change Biology</i> , 2020, 26, 3569-3584.	4.2	56
1095	Investigating Effects of Bordered Pit Membrane Morphology and Properties on Plant Xylem Hydraulic Functions—A Case Study from 3D Reconstruction and Microflow Modelling of Pit Membranes in Angiosperm Xylem. <i>Plants</i> , 2020, 9, 231.	1.6	17
1096	Greater risk of hydraulic failure due to increased drought threatens pine plantations in Horqin Sandy Land of northern China. <i>Forest Ecology and Management</i> , 2020, 461, 117980.	1.4	26
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1098	Overexpression of PdC3H17 Confers Tolerance to Drought Stress Depending on Its CCCH Domain in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1748.	1.7	14
1099	Characterization of the woody biomass feedstock potential resulting from California’s drought. <i>Scientific Reports</i> , 2020, 10, 1096.	1.6	10
1100	A catastrophic tropical drought kills hydraulically vulnerable tree species. <i>Global Change Biology</i> , 2020, 26, 3122-3133.	4.2	132

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1102	PopFor: A new model for estimating poplar yields. <i>Biomass and Bioenergy</i> , 2020, 134, 105470.	2.9	7
1103	Leaf carbon and water status control stomatal and nonstomatal limitations of photosynthesis in trees. <i>New Phytologist</i> , 2020, 226, 690-703.	3.5	66
1104	Climatic limits of temperate rainforest tree species are explained by xylem embolism resistance among angiosperms but not among conifers. <i>New Phytologist</i> , 2020, 226, 727-740.	3.5	29
1105	Low growth resilience to drought is related to future mortality risk in trees. <i>Nature Communications</i> , 2020, 11, 545.	5.8	228
1106	Urban channel incision and stream flow subsidies have contrasting effects on the water status of riparian trees. <i>Urban Ecosystems</i> , 2020, 23, 419-430.	1.1	2
1107	Comparison of phenological traits, growth patterns, and seasonal dynamics of non-structural carbohydrate in Mediterranean tree crop species. <i>Scientific Reports</i> , 2020, 10, 347.	1.6	36
1108	Correlation of Field-Measured and Remotely Sensed Plant Water Status as a Tool to Monitor the Risk of Drought-Induced Forest Decline. <i>Forests</i> , 2020, 11, 77.	0.9	36
1109	Evaluating the utility of various drought indices to monitor meteorological drought in Tropical Dry Forests. <i>International Journal of Biometeorology</i> , 2020, 64, 701-711.	1.3	14
1110	A first assessment of the impact of the extreme 2018 summer drought on Central European forests. <i>Basic and Applied Ecology</i> , 2020, 45, 86-103.	1.2	482
1111	Radial Growth Adaptability to Drought in Different Age Groups of <i>Picea schrenkiana</i> Fisch. & C.A. Mey in the Tianshan Mountains of Northwestern China. <i>Forests</i> , 2020, 11, 455.	0.9	4
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1113	Variation in Stem Xylem Traits is Related to Differentiation of Upper Limits of Tree Species along an Elevational Gradient. <i>Forests</i> , 2020, 11, 349.	0.9	10
1114	Two coastal Pacific evergreens, <i>Arbutus menziesii</i> , Pursh. and <i>Quercus agrifolia</i> , N�e show little water stress during California's exceptional drought. <i>PLoS ONE</i> , 2020, 15, e0230868.	1.1	6
1115	Determinants of legacy effects in pine trees – implications from an irrigation–stop experiment. <i>New Phytologist</i> , 2020, 227, 1081-1096.	3.5	52
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1120	Drought effects on carbon dynamics of trees in a secondary Atlantic Forest. <i>Forest Ecology and Management</i> , 2020, 465, 118097.	1.4	13
1121	Reforestation drylands under novel climates with extreme drought filters: The importance of trait-based species selection. <i>Forest Ecology and Management</i> , 2020, 467, 118156.	1.4	12
1122	Consequences of drought severity for tropical live oak ( <i>Quercus oleoides</i> ) in Mesoamerica. <i>Ecological Applications</i> , 2020, 30, e02135.	1.8	2
1123	Responses to drought stress in <i>Prunus sargentii</i> and <i>Larix kaempferi</i> seedlings using morphological and physiological parameters. <i>Forest Ecology and Management</i> , 2020, 465, 118099.	1.4	108
1124	Anatomical variation in vascular attributes of wood of <i>Astronium fraxinifolium</i> Schott trees from the soil loan area of a hydroelectric plant and an experimental plantation. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 265, 151574.	0.6	2
1125	The role of soluble sugars during drought in tropical tree seedlings with contrasting tolerances. <i>Journal of Plant Ecology</i> , 2020, 13, 389-397.	1.2	18
1126	Is forest fecundity resistant to drought? Results from an 18-yr rainfall-reduction experiment. <i>New Phytologist</i> , 2020, 227, 1073-1080.	3.5	19
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1129	Do anatomical wood traits suggest adjustments in the hydraulic architecture of dominant species in Amazonian savannah?. <i>Plant Biosystems</i> , 2021, 155, 498-509.	0.8	2
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1132	Hydraulic dysfunction due to root-exposure-initiated water stress is responsible for the mortality of <i>Salix gordejvii</i> shrubs on the windward slopes of active sand dunes. <i>Plant and Soil</i> , 2021, 459, 185-201.	1.8	13
1133	Tree vitality indicators revealed a rapid response of beech forests to the 2018 drought. <i>Ecological Indicators</i> , 2021, 120, 106903.	2.6	52
1134	Combined high leaf hydraulic safety and efficiency provides drought tolerance in <i>Caragana</i> species adapted to low mean annual precipitation. <i>New Phytologist</i> , 2021, 229, 230-244.	3.5	63
1135	Enhancing potassium content in leaves and stems improves drought tolerance of eucalyptus clones. <i>Physiologia Plantarum</i> , 2021, 172, 552-563.	2.6	35
1136	Linking drought-induced xylem embolism resistance to wood anatomical traits in Neotropical trees. <i>New Phytologist</i> , 2021, 229, 1453-1466.	3.5	49

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1139	Water uptake depth is coordinated with leaf water potential, water-use efficiency and drought vulnerability in karst vegetation. <i>New Phytologist</i> , 2021, 229, 1339-1353.	3.5	93
1140	Contrasting physiological traits of shade tolerance in <i>Pinus</i> and Podocarpaceae native to a tropical Vietnamese forest: insight from an aberrant flat-leaved pine. <i>Tree Physiology</i> , 2021, 41, 223-239.	1.4	4
1141	Wood density predicts mortality threshold for diverse trees. <i>New Phytologist</i> , 2021, 229, 3053-3057.	3.5	42
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1150	Understanding and predicting forest mortality in the western United States using long-term forest inventory data and modeled hydraulic damage. <i>New Phytologist</i> , 2021, 230, 1896-1910.	3.5	44
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1152	Landscape-scale restoration minimizes tree growth vulnerability to 21 <sup>st</sup> century drought in a dry forest. <i>Ecological Applications</i> , 2021, 31, e2238.	1.8	8
1153	Positive effects of ecological restoration policies on the vegetation dynamics in a typical ecologically vulnerable area of China. <i>Ecological Engineering</i> , 2021, 159, 106087.	1.6	35
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1164	An Overview on Dendrochronology and Quantitative Wood Anatomy Studies of Conifers in Southern Siberia (Russia). <i>Progress in Botany Fortschritte Der Botanik</i> , 2021, , 161-181.	0.1	5
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1166	Trait-Based Modeling of Terrestrial Ecosystems: Advances and Challenges Under Global Change. <i>Current Climate Change Reports</i> , 2021, 7, 1-13.	2.8	17
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1169	Native embolism in 'Rocha'™ pear under different rootstocks and their relationship with plant vigor. <i>Acta Horticulturae</i> , 2021, , 221-226.	0.1	1
1170	From the comfort zone to crown dieback: Sequence of physiological stress thresholds in mature European beech trees across progressive drought. <i>Science of the Total Environment</i> , 2021, 753, 141792.	3.9	85
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1172	<i>Pinus pseudostrobus</i> assisted migration trial with rain exclusion: maintaining Monarch Butterfly Biosphere Reserve forest cover in an environment affected by climate change. <i>New Forests</i> , 2021, 52, 995-1010.	0.7	7
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1179	Coordination of stem and leaf traits define different strategies to regulate water loss and tolerance ranges to aridity. <i>New Phytologist</i> , 2021, 230, 497-509.	3.5	49
1180	Low forest productivity associated with increasing drought-tolerant species is compensated by an increase in drought-tolerance richness. <i>Global Change Biology</i> , 2021, 27, 2113-2127.	4.2	24
1181	Quantifying Key Points of Hydraulic Vulnerability Curves From Drought-Rewatering Experiment Using Differential Method. <i>Frontiers in Plant Science</i> , 2021, 12, 627403.	1.7	7
1182	Vulnerability to xylem cavitation of <i>Hakea</i> species (Proteaceae) from a range of biomes and life histories predicted by climatic niche. <i>Annals of Botany</i> , 2021, 127, 909-918.	1.4	4
1183	Xylem network connectivity and embolism spread in grapevine ( <i>Vitis vinifera</i> L.). <i>Plant Physiology</i> , 2021, 186, 373-387.	2.3	32
1184	Evaluating the accuracy of genomic prediction for the management and conservation of relictual natural tree populations. <i>Tree Genetics and Genomes</i> , 2021, 17, 1.	0.6	32
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1193	Pore constrictions in intervessel pit membranes provide a mechanistic explanation for xylem embolism resistance in angiosperms. <i>New Phytologist</i> , 2021, 230, 1829-1843.	3.5	63
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1198	Tackling unresolved questions in forest ecology: The past and future role of simulation models. <i>Ecology and Evolution</i> , 2021, 11, 3746-3770.	0.8	37
1199	Optimal carbon partitioning helps reconcile the apparent divergence between optimal and observed canopy profiles of photosynthetic capacity. <i>New Phytologist</i> , 2021, 230, 2246-2260.	3.5	11
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1201	A gene that underwent adaptive evolution, LAC2 (LACCASE), in <i>Populus euphratica</i> improves drought tolerance by improving water transport capacity. <i>Horticulture Research</i> , 2021, 8, 88.	2.9	27
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1203	Provenance-specific ecophysiological responses to drought in <i>Cunninghamia lanceolata</i> . <i>Journal of Plant Ecology</i> , 2021, 14, 1060-1072.	1.2	7
1204	Index measures for oak decline severity using phenotypic descriptors. <i>Forest Ecology and Management</i> , 2021, 485, 118948.	1.4	10
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1211	A Decade's Change in Vegetation Productivity and Its Response to Climate Change over Northeast China. <i>Plants</i> , 2021, 10, 821.	1.6	14
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1216	Divergent root water uptake depth and coordinated hydraulic traits among typical karst plantations of subtropical China: Implication for plant water adaptation under precipitation changes. <i>Agricultural Water Management</i> , 2021, 249, 106798.	2.4	20
1217	Cavitation fatigue in conifers: a study on eight European species. <i>Plant Physiology</i> , 2021, 186, 1580-1590.	2.3	11
1218	Sensitivity and threshold dynamics of <i>Pinus strobus</i> and <i>Quercus</i> spp. in response to experimental and naturally occurring severe droughts. <i>Tree Physiology</i> , 2021, 41, 1819-1835.	1.4	10
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1220	Importance of hydraulic strategy trade-offs in structuring response of canopy trees to extreme drought in central Amazon. <i>Oecologia</i> , 2021, 197, 13-24.	0.9	13
1222	Climate and functional traits jointly mediate tree water-use strategies. <i>New Phytologist</i> , 2021, 231, 617-630.	3.5	53
1223	Half-leaf width symmetric distribution reveals buffering strategy of <i>Cunninghamia lanceolata</i> . <i>BMC Plant Biology</i> , 2021, 21, 222.	1.6	2
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1225	Shifting access to pools of shoot water sustains gas exchange and increases stem hydraulic safety during seasonal atmospheric drought. <i>Plant, Cell and Environment</i> , 2021, 44, 2898-2911.	2.8	17
1226	Subalpine dwarf shrubs differ in vulnerability to xylem cavitation: An innovative staining approach enables new insights. <i>Physiologia Plantarum</i> , 2021, 172, 2011-2021.	2.6	9
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1232	Do angiosperm tree species adjust intervessel lateral contact in response to soil drought?. <i>Physiologia Plantarum</i> , 2021, 172, 2048-2058.	2.6	8
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1238	Improvement of modeling plant responses to low soil moisture in JULESv4.9 and evaluation against flux tower measurements. <i>Geoscientific Model Development</i> , 2021, 14, 3269-3294.	1.3	15
1239	Functional differentiation among 12 dipterocarp species under contrasting water availabilities in Northeast Thailand. <i>Botany</i> , 2021, 99, 321-335.	0.5	1
1240	A minimally disruptive method for measuring water potential in planta using hydrogel nanoreporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	19
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1243	Different drought-adaptive capacity of a native Patagonian tree species ( <i>Nothofagus pumilio</i> ) resulting from local adaptation. <i>European Journal of Forest Research</i> , 2021, 140, 1147-1161.	1.1	7
1244	Hydraulic variability of three temperate broadleaf tree species along a water availability gradient in central Europe. <i>New Phytologist</i> , 2021, 231, 1387-1400.	3.5	16
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1264	Global Coordination in Plant Physiological and Rooting Strategies in Response to Water Stress. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006758.	1.9	16
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1278	South-Eastern Baltic Provenances of Scots Pine Show Heritable Weather-Growth Relationships. <i>Forests</i> , 2021, 12, 1101.	0.9	4
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1280	Cavitation resistance of peduncle, petiole and stem is correlated with bordered pit dimensions in <i>Magnolia grandiflora</i> . <i>Plant Diversity</i> , 2021, 43, 324-330.	1.8	8
1281	Relative water content consistently predicts drought mortality risk in seedling populations with different morphology, physiology and times to death. <i>Plant, Cell and Environment</i> , 2021, 44, 3322-3335.	2.8	40
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1295	Hydraulic adaptability promotes tree life spans under climate dryness. <i>Global Ecology and Biogeography</i> , 2022, 31, 51-61.	2.7	6
1296	The droughtâ€™diebackâ€™death conundrum in trees and forests. <i>Plant Ecology and Diversity</i> , 2021, 14, 1-12.	1.0	17
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1315	The interplay of hydraulic failure and cell vitality explains tree capacity to recover from drought. <i>Physiologia Plantarum</i> , 2021, 172, 247-257.	2.6	42
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1320	Internet of Things for Sustainable Forestry. <i>Internet of Things</i> , 2020, , 147-181.	1.3	20
1321	Freezing Stress in Tree Xylem. <i>Progress in Botany Fortschritte Der Botanik</i> , 2016, , 381-414.	0.1	6
1322	Drought Index Prediction Using Data Intelligent Analytic Models: A Review. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 1-27.	0.3	8
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1326	A multi-species synthesis of physiological mechanisms in drought-induced tree mortality. <i>Nature Ecology and Evolution</i> , 2017, 1, 1285-1291.	3.4	739
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1329	The collapse points of increasing trend of vegetation rain-use efficiency under droughts. <i>Environmental Research Letters</i> , 2020, 15, 104072.	2.2	8
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1331	Dynamic surface tension of xylem sap lipids. <i>Tree Physiology</i> , 2020, 40, 433-444.	1.4	30
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1341	Convergent evolution of tree hydraulic traits in Amazonian habitats: implications for community assemblage and vulnerability to drought. <i>New Phytologist</i> , 2020, 228, 106-120.	3.5	42
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1344	Modeling of the current and future potential distribution of Atlas cedar ( <i>Cedrus atlantica</i> ) forests revealed shifts in the latitudinal, longitudinal and altitudinal range towards more humid conditions. <i>Ecological Questions</i> , 2020, 31, 49.	0.1	5
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1350	Evidence for Air-Seeding: Watching the Formation of Embolism in Conifer Xylem. <i>The Journal of Plant Hydraulics</i> , 2014, 1, e004.	1.0	22
1351	Clonal variability for vulnerability to cavitation and other drought-related traits in <i>Hevea brasiliensis</i> Mill. Arg.. <i>The Journal of Plant Hydraulics</i> , 0, 2, e001.	1.0	17
1352	Why do trees take more risks in the Amazon? <sup>&amp; dagger;</sup> . <i>The Journal of Plant Hydraulics</i> , 0, 3, e005.	1.0	3
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1359	The Effect of Past Forestry Activity on Mediterranean Sessile Oak Forests on the NE Iberian Peninsula. <i>Natural Areas Journal</i> , 2019, 39, 237.	0.2	2
1360	Diurnal dynamics of water transport, storage and hydraulic conductivity in pine trees under seasonal drought. <i>IForest</i> , 2016, 9, 710-719.	0.5	35

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1363	Vulnerability of Kenya's Water Towers to Future Climate Change: An Assessment to Inform Decision Making in Watershed Management. <i>American Journal of Climate Change</i> , 2020, 09, 317-353.	0.5	9
1364	Influence of Different Environments on Germination Parameters and Seedling Morphology in <i>Khaya senegalensis</i> (Desr.) A. Juss (Meliaceae). <i>American Journal of Plant Sciences</i> , 2020, 11, 1579-1600.	0.3	3
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1379	Opportunities, challenges and pitfalls in characterizing plant water-use strategies. <i>Functional Ecology</i> , 2022, 36, 24-37.	1.7	27
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1385	Drought affects the fate of non-structural carbohydrates in hinoki cypress. <i>Tree Physiology</i> , 2022, 42, 784-796.	1.4	6
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1389	Mycorrhizal type determines root microbial responses to nitrogen fertilization and recovery. <i>Biogeochemistry</i> , 2022, 157, 245-258.	1.7	8
1391	Endemism and Tertiary Relict Forests. <i>Plant and Vegetation</i> , 2015, , 185-273.	0.6	2
1392	Mechanisms of xylem embolism repair in woody plants: Research progress and questions. <i>Chinese Journal of Plant Ecology</i> , 2016, 40, 834-846.	0.3	1
1393	Physiological and Genomic Basis of Mechanical-Functional Trade-Off in Plant Vasculature. , 2016, , 93-125.		0
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1397	Utilizing multispectral lidar in the detection of declined trees. <i>Dissertationes Forestales</i> , 2019, 2019, .	0.1	0
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1411	37 Years of Forest Monitoring in Switzerland: Drought Effects on <i>Fagus sylvatica</i> . <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	14
1412	Reproductive water supply is prioritized during drought in tomato. <i>Plant, Cell and Environment</i> , 2022, 45, 69-79.	2.8	22
1413	Temporal-spatial evolution of lagged response of runoff to rainfall in Karst drainage basin, Central Guizhou of China. <i>Theoretical and Applied Climatology</i> , 2022, 147, 437-449.	1.3	5
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1416	Potential of ecological modelling and smart-drainage development for mitigating adverse effects of future global change-type droughts for the Estonian forest sector. <i>Forestry Studies</i> , 2020, 73, 98-106.	0.1	1

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1421	Adaptive variation among oaks in wood anatomical properties is shaped by climate of origin and shows limited plasticity across environments. <i>Functional Ecology</i> , 0, , .	1.7	9
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1425	Giving a temporal context to drought and frost vulnerability of trees. , 0, , .		0
1427	Forest Management with Advance Geoscience: Future Prospects. <i>Environmental Science and Engineering</i> , 2021, , 3-31.	0.1	1
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1433	Hydraulic traits predict stem growth across <i>Hevea brasiliensis</i> clones in a Malaysian climatically marginal area. <i>Forest Ecology and Management</i> , 2022, 504, 119864.	1.4	2
1434	Differences in growth pattern and response to climate warming between <i>Larix olgensis</i> and <i>Pinus koraiensis</i> in Northeast China are related to their distinctions in xylem hydraulics. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108724.	1.9	16
1435	Hydraulic failure and tree mortality: from correlation to causation. <i>Trends in Plant Science</i> , 2022, 27, 335-345.	4.3	47
1436	A new mechanism for tree mortality due to drought and heatwaves. , 0, 1, .		14
1437	Intra-Annual Wood Formation of <i>Cryptomeria fortunei</i> and <i>Cunninghamia lanceolata</i> in Humid Subtropical China. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	5
1438	Weatherâ€œGrowth Responses Show Differing Adaptability of Scots Pine Provenances in the South-Eastern Parts of Baltic Sea Region. <i>Forests</i> , 2021, 12, 1641.	0.9	5
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1441	Leaf and canopy photosynthesis of four desert plants: considering different photosynthetic organs. <i>Photosynthesis Research</i> , 2021, , 1.	1.6	1
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1447	Species-specific indication of 13 tree species growth on climate warming in temperate forest community of northeast China. <i>Ecological Indicators</i> , 2021, 133, 108389.	2.6	16
1448	Leaf trait modification in European beech trees in response to climatic and edaphic drought. <i>Plant Biology</i> , 2022, 24, 1272-1286.	1.8	18
1449	A combined approach utilizing UAV 3D imaging methods, in-situ measurements, and laboratory experiments to assess water evaporation and trace element uptake by tree species growing in a red gypsum landfill. <i>Journal of Hazardous Materials</i> , 2022, 425, 127977.	6.5	6
1450	The Drought Response of Eastern US Oaks in the Context of Their Declining Abundance. <i>BioScience</i> , 2022, 72, 333-346.	2.2	9
1451	Response of four evergreen savanna shrubs to an incidence of extreme drought: high embolism resistance, branch shedding and maintenance of nonstructural carbohydrates. <i>Tree Physiology</i> , 2022, 42, 740-753.	1.4	12
1452	Xylem embolism spread is largely prevented by interconduit pit membranes until the majority of conduits are gas-filled. <i>Plant, Cell and Environment</i> , 2022, 45, 1204-1215.	2.8	18
1453	Small and slow is safe: On the drought tolerance of tropical tree species. <i>Global Change Biology</i> , 2022, 28, 2622-2638.	4.2	35
1454	Improved detection of abrupt change in vegetation reveals dominant fractional woody cover decline in Eastern Africa. <i>Remote Sensing of Environment</i> , 2022, 271, 112897.	4.6	11
1455	Five successive years of rainfall exclusion induce nutritional stress in a mature beech stand. <i>Forest Ecology and Management</i> , 2022, 507, 119987.	1.4	4
1456	Coppicing Modulates Physiological Responses of Sessile Oak ( <i>Quercus Petraea</i> Matt. Lieb.) to Drought. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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1507	Towards species-level forecasts of drought-induced tree mortality risk. <i>New Phytologist</i> , 2022, 235, 94-110.	3.5	12
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1607	Mitigation effects of exogenous acetic acid on drought stress in <i>Cunninghamia lanceolata</i> . <i>Plant and Soil</i> , 0, , .	1.8	4
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