

J Julio Camarero

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

420
papers

14,479
citations

61
h-index

103
g-index

436
ext. papers

18,172
ext. citations

4.9
avg, IF

6.98
L-index

#	Paper	IF	Citations
420	Response of vegetation to drought time-scales across global land biomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 52-7	11.5	774
419	FOREST ECOLOGY. Pervasive drought legacies in forest ecosystems and their implications for carbon cycle models. <i>Science</i> , 2015 , 349, 528-32	33.3	555
418	Performance of Drought Indices for Ecological, Agricultural, and Hydrological Applications. <i>Earth Interactions</i> , 2012 , 16, 1-27	1.5	474
417	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399
416	To die or not to die: early warnings of tree dieback in response to a severe drought. <i>Journal of Ecology</i> , 2015 , 103, 44-57	6	317
415	Plastic bimodal xylogenesis in conifers from continental Mediterranean climates. <i>New Phytologist</i> , 2010 , 185, 471-80	9.8	309
414	A synthesis of radial growth patterns preceding tree mortality. <i>Global Change Biology</i> , 2017 , 23, 1675-1690	11.4	277
413	Pace and Pattern of Recent Treeline Dynamics: Response of Ecotones to Climatic Variability in the Spanish Pyrenees. <i>Climatic Change</i> , 2004 , 63, 181-200	4.5	233
412	Woody biomass production lags stem-girth increase by over one month in coniferous forests. <i>Nature Plants</i> , 2015 , 1, 15160	11.5	217
411	Impacts of drought at different time scales on forest growth across a wide climatic gradient in north-eastern Spain. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1800-1811	5.8	203
410	Competition modulates the adaptation capacity of forests to climatic stress: insights from recent growth decline and death in relict stands of the Mediterranean fir <i>Abies pinsapo</i> . <i>Journal of Ecology</i> , 2010 , 98, 592-603	6	180
409	Effects of a severe drought on <i>Quercus ilex</i> radial growth and xylem anatomy. <i>Trees - Structure and Function</i> , 2004 , 18, 83-92	2.6	175
408	From pattern to process: linking intrinsic water-use efficiency to drought-induced forest decline. <i>Global Change Biology</i> , 2012 , 18, 1000-1015	11.4	164
407	Forest resilience to drought varies across biomes. <i>Global Change Biology</i> , 2018 , 24, 2143-2158	11.4	150
406	SPATIOTEMPORAL VARIABILITY IN TREE GROWTH IN THE CENTRAL PYRENEES: CLIMATIC AND SITE INFLUENCES. <i>Ecological Monographs</i> , 2003 , 73, 241-257	9	150
405	Species interactions slow warming-induced upward shifts of treelines on the Tibetan Plateau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4380-5	11.5	149
404	Seedling recruitment, survival and facilitation in alpine <i>Pinus uncinata</i> tree line ecotones. Implications and potential responses to climate warming. <i>Global Ecology and Biogeography</i> , 2009 , 18, 460-472	6.1	147

403	Impacts of droughts on the growth resilience of Northern Hemisphere forests. <i>Global Ecology and Biogeography</i> , 2017 , 26, 166-176	6.1	138
402	Interacting effects of changes in climate and forest cover on mortality and growth of the southernmost European fir forests. <i>Global Ecology and Biogeography</i> , 2009 , 18, 485-497	6.1	128
401	Increasing Aridity is Enhancing Silver Fir (<i>Abies Alba</i> Mill.) Water Stress in its South-Western Distribution Limit. <i>Climatic Change</i> , 2006 , 79, 289-313	4.5	127
400	Selective drought-induced decline of pine species in southeastern Spain. <i>Climatic Change</i> , 2012 , 113, 767-785	4.5	124
399	Functional groups in <i>Quercus</i> species derived from the analysis of pressure-volume curves. <i>Trees - Structure and Function</i> , 2002 , 16, 465-472	2.6	119
398	Tree-Ring Growth and Structure of <i>Pinus uncinata</i> and <i>Pinus sylvestris</i> in the Central Spanish Pyrenees. <i>Arctic and Alpine Research</i> , 1998 , 30, 1		116
397	Summer-drought constrains the phenology and growth of two coexisting Mediterranean oaks with contrasting leaf habit: implications for their persistence and reproduction. <i>Trees - Structure and Function</i> , 2009 , 23, 787-799	2.6	115
396	Synergistic effects of past historical logging and drought on the decline of Pyrenean silver fir forests. <i>Forest Ecology and Management</i> , 2011 , 262, 759-769	3.9	112
395	Distinct effects of climate warming on populations of silver fir (<i>Abies alba</i>) across Europe. <i>Journal of Biogeography</i> , 2015 , 42, 1150-1162	4.1	103
394	Low growth resilience to drought is related to future mortality risk in trees. <i>Nature Communications</i> , 2020 , 11, 545	17.4	103
393	Forests synchronize their growth in contrasting Eurasian regions in response to climate warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 662-7	11.5	99
392	Diverse responses of forest growth to drought time-scales in the Northern Hemisphere. <i>Global Ecology and Biogeography</i> , 2014 , 23, 1019-1030	6.1	93
391	A retrospective, dual-isotope approach reveals individual predispositions to winter-drought induced tree dieback in the southernmost distribution limit of Scots pine. <i>Plant, Cell and Environment</i> , 2013 , 36, 1435-48	8.4	93
390	Assessing forest vulnerability to climate warming using a process-based model of tree growth: bad prospects for rear-edges. <i>Global Change Biology</i> , 2017 , 23, 2705-2719	11.4	89
389	Wood anatomy and carbon-isotope discrimination support long-term hydraulic deterioration as a major cause of drought-induced dieback. <i>Global Change Biology</i> , 2016 , 22, 2125-37	11.4	86
388	Competition and drought limit the response of water-use efficiency to rising atmospheric carbon dioxide in the Mediterranean fir <i>Abies pinsapo</i> . <i>Oecologia</i> , 2009 , 161, 611-24	2.9	84
387	Functional diversity enhances silver fir growth resilience to an extreme drought. <i>Journal of Ecology</i> , 2016 , 104, 1063-1075	6	84
386	Radial-growth and wood-anatomical changes in overaged <i>Quercus pyrenaica</i> coppice stands: functional responses in a new Mediterranean landscape. <i>Trees - Structure and Function</i> , 2006 , 20, 91-98	2.6	83

385	Spatial pattern of subalpine forest-alpine grassland ecotones in the Spanish Central Pyrenees. <i>Forest Ecology and Management</i> , 2000 , 134, 1-16	3.9	80
384	Climate seasonality limits leaf carbon assimilation and wood productivity in tropical forests. <i>Biogeosciences</i> , 2016 , 13, 2537-2562	4.6	79
383	Disentangling the effects of competition and climate on individual tree growth: A retrospective and dynamic approach in Scots pine. <i>Forest Ecology and Management</i> , 2015 , 358, 12-25	3.9	78
382	Drought-induced decline in Mediterranean truffle harvest. <i>Nature Climate Change</i> , 2012 , 2, 827-829	21.4	78
381	EFFECTS OF A SEVERE DROUGHT ON GROWTH AND WOOD ANATOMICAL PROPERTIES OF QUERCUS FAGINEA. <i>IAWA Journal</i> , 2004 , 25, 185-204	2.3	78
380	Plastic responses of <i>Abies pinsapo</i> xylogenesis to drought and competition. <i>Tree Physiology</i> , 2009 , 29, 1525-36	4.2	77
379	Diverse relationships between forest growth and the Normalized Difference Vegetation Index at a global scale. <i>Remote Sensing of Environment</i> , 2016 , 187, 14-29	13.2	77
378	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. <i>Frontiers in Plant Science</i> , 2018 , 9, 1964	6.2	77
377	Climate controls act at different scales on the seasonal pattern of <i>Quercus ilex</i> L. stem radial increments in NE Spain. <i>Trees - Structure and Function</i> , 2011 , 25, 637-646	2.6	75
376	Contrasting vulnerability and resilience to drought-induced decline of densely planted vs. natural rear-edge <i>Pinus nigra</i> forests. <i>Forest Ecology and Management</i> , 2013 , 310, 956-967	3.9	74
375	Age, competition, disturbance and elevation effects on tree and stand growth response of primary <i>Picea abies</i> forest to climate. <i>Forest Ecology and Management</i> , 2015 , 354, 77-86	3.9	73
374	Moisture-mediated responsiveness of treeline shifts to global warming in the Himalayas. <i>Global Change Biology</i> , 2018 , 24, 5549-5559	11.4	72
373	Placing unprecedented recent fir growth in a European-wide and Holocene-long context. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 100-106	5.5	71
372	Attributing forest responses to global-change drivers: limited evidence of a CO ₂ -fertilization effect in Iberian pine growth. <i>Journal of Biogeography</i> , 2015 , 42, 2220-2233	4.1	71
371	Growth and carbon isotopes of Mediterranean trees reveal contrasting responses to increased carbon dioxide and drought. <i>Oecologia</i> , 2014 , 174, 307-17	2.9	71
370	Growth response to climate and drought change along an aridity gradient in the southernmost <i>Pinus nigra</i> relict forests. <i>Annals of Forest Science</i> , 2013 , 70, 769-780	3.1	68
369	Seeing the trees for the forest: drivers of individual growth responses to climate in <i>Pinus uncinata</i> mountain forests. <i>Journal of Ecology</i> , 2014 , 102, 1244-1257	6	66
368	Fast replenishment of initial carbon stores after defoliation by the pine processionary moth and its relationship to the re-growth ability of trees. <i>Trees - Structure and Function</i> , 2012 , 26, 1627-1640	2.6	66

367	Drought-induced oak decline in the western Mediterranean region: an overview on current evidences, mechanisms and management options to improve forest resilience. <i>IForest</i> , 2017 , 10, 796-806 ^{1.3}	66
366	Aleppo pine forests from across Spain show drought-induced growth decline and partial recovery. <i>Agricultural and Forest Meteorology</i> , 2017 , 232, 186-194	5.8 65
365	Climate extremes and predicted warming threaten Mediterranean Holocene firs forests refugia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10142-E10150 ^{1.5}	64
364	What drives growth of Scots pine in continental Mediterranean climates: Drought, low temperatures or both?. <i>Agricultural and Forest Meteorology</i> , 2015 , 206, 151-162	5.8 62
363	Increased stem density and competition may diminish the positive effects of warming at alpine treeline. <i>Ecology</i> , 2016 , 97, 1668-1679	4.6 62
362	Intensity and timing of warming and drought differentially affect growth patterns of co-occurring Mediterranean tree species. <i>European Journal of Forest Research</i> , 2013 , 132, 469-480	2.7 62
361	Summer drought and ENSO-related cloudiness distinctly drive <i>Fagus sylvatica</i> growth near the species rear-edge in northern Spain. <i>Agricultural and Forest Meteorology</i> , 2015 , 201, 153-164	5.8 61
360	Enhanced growth of <i>Juniperus thurifera</i> under a warmer climate is explained by a positive carbon gain under cold and drought. <i>Tree Physiology</i> , 2012 , 32, 326-36	4.2 61
359	When a Tree Dies in the Forest: Scaling Climate-Driven Tree Mortality to Ecosystem Water and Carbon Fluxes. <i>Ecosystems</i> , 2016 , 19, 1133-1147	3.9 61
358	Climatic impacts and drought control of radial growth and seasonal wood formation in <i>Pinus halepensis</i> . <i>Trees - Structure and Function</i> , 2012 , 26, 1875-1886	2.6 60
357	Tree-to-tree competition in mixed European beech-Scots pine forests has different impacts on growth and water-use efficiency depending on site conditions. <i>Journal of Ecology</i> , 2018 , 106, 59-75	6 59
356	Limited capacity of tree growth to mitigate the global greenhouse effect under predicted warming. <i>Nature Communications</i> , 2019 , 10, 2171	17.4 58
355	Critical temperature and precipitation thresholds for the onset of xylogenesis of <i>Juniperus przewalskii</i> in a semi-arid area of the north-eastern Tibetan Plateau. <i>Annals of Botany</i> , 2018 , 121, 617-624 ^{4.1}	58
354	Linking wood anatomy and xylogenesis allows pinpointing of climate and drought influences on growth of coexisting conifers in continental Mediterranean climate. <i>Tree Physiology</i> , 2016 , 36, 502-12	4.2 58
353	Forest Growth Responses to Drought at Short- and Long-Term Scales in Spain: Squeezing the Stress Memory from Tree Rings. <i>Frontiers in Ecology and Evolution</i> , 2018 , 6,	3.7 58
352	Disparate effects of global-change drivers on mountain conifer forests: warming-induced growth enhancement in young trees vs. CO2 fertilization in old trees from wet sites. <i>Global Change Biology</i> , 2015 , 21, 738-49	11.4 58
351	Spatial patterns of tree recruitment in a relict population of <i>Pinus uncinata</i> : forest expansion through stratified diffusion. <i>Journal of Biogeography</i> , 2005 , 32, 1979-1992	4.1 58
350	Spatial patterns of plant richness across treeline ecotones in the Pyrenees reveal different locations for richness and tree cover boundaries. <i>Global Ecology and Biogeography</i> , 2006 , 15, 182-191	6.1 57

349	Structure and recent recruitment at alpine forest-pasture ecotones in the Spanish central Pyrenees. <i>Ecoscience</i> , 1999 , 6, 451-464	1.1	56
348	Abrupt population changes in treeline ecotones along smooth gradients. <i>Journal of Ecology</i> , 2006 , 94, 880-892	6	55
347	Evapotranspiration deficit controls net primary production and growth of silver fir: Implications for Circum-Mediterranean forests under forecasted warmer and drier conditions. <i>Agricultural and Forest Meteorology</i> , 2015 , 206, 45-54	5.8	53
346	A multi-proxy assessment of dieback causes in a Mediterranean oak species. <i>Tree Physiology</i> , 2017 , 37, 617-631	4.2	53
345	Age-related drought sensitivity of Atlas cedar (<i>Cedrus atlantica</i>) in the Moroccan Middle Atlas forests. <i>Dendrochronologia</i> , 2013 , 31, 88-96	2.8	52
344	Relationship between hydraulic resistance and leaf morphology in broadleaf <i>Quercus</i> species: a new interpretation of leaf lobation. <i>Trees - Structure and Function</i> , 2001 , 15, 341-345	2.6	52
343	Past logging, drought and pathogens interact and contribute to forest dieback. <i>Agricultural and Forest Meteorology</i> , 2015 , 208, 85-94	5.8	50
342	Resist, recover or both? Growth plasticity in response to drought is geographically structured and linked to intraspecific variability in <i>Pinus pinaster</i> . <i>Journal of Biogeography</i> , 2018 , 45, 1126-1139	4.1	50
341	Growth patterns and sensitivity to climate predict silver fir decline in the Spanish Pyrenees. <i>European Journal of Forest Research</i> , 2012 , 131, 1001-1012	2.7	50
340	New Tree-Ring Evidence from the Pyrenees Reveals Western Mediterranean Climate Variability since Medieval Times. <i>Journal of Climate</i> , 2017 , 30, 5295-5318	4.4	49
339	Physiological performance of silver-fir (<i>Abies alba</i> Mill.) populations under contrasting climates near the south-western distribution limit of the species. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2007 , 202, 226-236	1.9	49
338	Time-dependent effects of climate and drought on tree growth in a Neotropical dry forest: Short-term tolerance vs. long-term sensitivity. <i>Agricultural and Forest Meteorology</i> , 2014 , 188, 13-23	5.8	48
337	Morphological and physiological divergences within <i>Quercus ilex</i> support the existence of different ecotypes depending on climatic dryness. <i>Annals of Botany</i> , 2014 , 114, 301-13	4.1	48
336	Remote-sensing and tree-ring based characterization of forest defoliation and growth loss due to the Mediterranean pine processionary moth. <i>Forest Ecology and Management</i> , 2014 , 320, 171-181	3.9	47
335	Size Matters a Lot: Drought-Affected Italian Oaks Are Smaller and Show Lower Growth Prior to Tree Death. <i>Frontiers in Plant Science</i> , 2017 , 8, 135	6.2	47
334	Climate increases regional tree-growth variability in Iberian pine forests. <i>Global Change Biology</i> , 2007 , 13, 070228013259001-???	11.4	47
333	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	2.6	46
332	Mistletoe effects on Scots pine decline following drought events: insights from within-tree spatial patterns, growth and carbohydrates. <i>Tree Physiology</i> , 2012 , 32, 585-98	4.2	46

331	Increasing Drought Sensitivity and Decline of Atlas Cedar (<i>Cedrus atlantica</i>) in the Moroccan Middle Atlas Forests. <i>Forests</i> , 2011 , 2, 777-796	2.8	45
330	Photoperiod and temperature as dominant environmental drivers triggering secondary growth resumption in Northern Hemisphere conifers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 20645-20652	11.5	45
329	From xylogenesis to tree rings: wood traits to investigate tree response to environmental changes. <i>IAWA Journal</i> , 2019 , 40, 155-182	2.3	45
328	Prior height, growth, and wood anatomy differently predispose to drought-induced dieback in two Mediterranean oak species. <i>Annals of Forest Science</i> , 2016 , 73, 341-351	3.1	44
327	Bridging long-term wood functioning and nitrogen deposition to better understand changes in tree growth and forest productivity. <i>Tree Physiology</i> , 2017 , 37, 1-3	4.2	44
326	Back to the Future: The Responses of Alpine Treelines to Climate Warming are Constrained by the Current Ecotone Structure. <i>Ecosystems</i> , 2017 , 20, 683-700	3.9	44
325	Chilling and forcing temperatures interact to predict the onset of wood formation in Northern Hemisphere conifers. <i>Global Change Biology</i> , 2019 , 25, 1089-1105	11.4	44
324	Drought-induced weakening of growth-temperature associations in high-elevation Iberian pines. <i>Global and Planetary Change</i> , 2015 , 124, 95-106	4.2	43
323	Timing of Drought Triggers Distinct Growth Responses in Holm Oak: Implications to Predict Warming-Induced Forest Defoliation and Growth Decline. <i>Forests</i> , 2015 , 6, 1576-1597	2.8	43
322	Intraspecific competition replaces interspecific facilitation as abiotic stress decreases: The shifting nature of plant-plant interactions. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013 , 15, 226-236	3	43
321	Drought impacts on tree growth of two pine species along an altitudinal gradient and their use as early-warning signals of potential shifts in tree species distributions. <i>Forest Ecology and Management</i> , 2016 , 381, 157-167	3.9	43
320	Response of <i>Pinus uncinata</i> Recruitment to Climate Warming and Changes in Grazing Pressure in an Isolated Population of the Iberian System (NE Spain). <i>Arctic, Antarctic, and Alpine Research</i> , 2007 , 39, 210-217	1.8	42
319	Recent and Intense Dynamics in a Formerly Static Pyrenean Treeline. <i>Arctic, Antarctic, and Alpine Research</i> , 2015 , 47, 773-783	1.8	40
318	Spatial variability in large-scale and regional atmospheric drivers of <i>Pinus halepensis</i> growth in eastern Spain. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1106-1119	5.8	40
317	Growth and resilience responses of Scots pine to extreme droughts across Europe depend on predrought growth conditions. <i>Global Change Biology</i> , 2020 , 26, 4521-4537	11.4	39
316	Is thinning an alternative when trees could die in response to drought? The case of planted <i>Pinus nigra</i> and <i>P. Sylvestris</i> stands in southern Spain. <i>Forest Ecology and Management</i> , 2019 , 433, 313-324	3.9	39
315	Contrasting responses of radial growth and wood anatomy to climate in a Mediterranean ring-porous oak: implications for its future persistence or why the variance matters more than the mean. <i>European Journal of Forest Research</i> , 2012 , 131, 1537-1550	2.7	37
314	An increase in canopy cover leads to masting in <i>Quercus ilex</i> . <i>Trees - Structure and Function</i> , 2010 , 24, 909-918	2.6	37

313	Limited Growth Recovery after Drought-Induced Forest Dieback in Very Defoliated Trees of Two Pine Species. <i>Frontiers in Plant Science</i> , 2016 , 7, 418	6.2	37
312	Cumulative Drought Stress Leads to a Loss of Growth Resilience and Explains Higher Mortality in Planted than in Naturally Regenerated <i>Pinus pinaster</i> Stands. <i>Forests</i> , 2018 , 9, 358	2.8	36
311	The uncoupling of secondary growth, cone and litter production by intradecadal climatic variability in a mediterranean scots pine forest. <i>Forest Ecology and Management</i> , 2007 , 253, 19-29	3.9	36
310	Plant species distribution across two contrasting treeline ecotones in the Spanish Pyrenees. <i>Plant Ecology</i> , 2002 , 162, 247-257	1.7	36
309	Long-term thinning effects on tree growth, drought response and water use efficiency at two Aleppo pine plantations in Spain. <i>Science of the Total Environment</i> , 2020 , 728, 138536	10.2	36
308	Effects of thinning and canopy type on growth dynamics of <i>Pinus sylvestris</i> : inter-annual variations and intra-annual interactions with microclimate. <i>European Journal of Forest Research</i> , 2013 , 132, 121-135 ²⁻⁷	2.7	35
307	Spatial patterns of Smith fir alpine treelines on the south-eastern Tibetan Plateau support that contingent local conditions drive recent treeline patterns. <i>Plant Ecology and Diversity</i> , 2012 , 5, 311-321	2.2	35
306	Disentangling the formation of contrasting tree-line physiognomies combining model selection and Bayesian parameterization for simulation models. <i>American Naturalist</i> , 2011 , 177, E136-52	3.7	35
305	Mediterranean and temperate treelines are controlled by different environmental drivers. <i>Journal of Ecology</i> , 2016 , 104, 691-702	6	34
304	Increasing drought effects on five European pines modulate $\delta^{13}C$ -growth coupling along a Mediterranean altitudinal gradient. <i>Functional Ecology</i> , 2017 , 31, 1359-1370	5.6	33
303	Contrasting growth and mortality responses to climate warming of two pine species in a continental Mediterranean ecosystem. <i>Forest Ecology and Management</i> , 2016 , 363, 149-158	3.9	33
302	Drought Sensitiveness on Forest Growth in Peninsular Spain and the Balearic Islands. <i>Forests</i> , 2018 , 9, 524	2.8	33
301	Minimum wood density of <i>Juniperus thurifera</i> is a robust proxy of spring water availability in a continental Mediterranean climate. <i>Journal of Biogeography</i> , 2014 , 41, 1105-1114	4.1	32
300	Drought and mistletoe reduce growth and water-use efficiency of Scots pine. <i>Forest Ecology and Management</i> , 2013 , 296, 64-73	3.9	32
299	Photoprotection mechanisms in <i>Quercus ilex</i> under contrasting climatic conditions. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012 , 207, 557-564	1.9	32
298	Differential growth responses to water balance of coexisting deciduous tree species are linked to wood density in a Bolivian tropical dry forest. <i>PLoS ONE</i> , 2013 , 8, e73855	3.7	32
297	Seasonal variability of dry matter content and its relationship with shoot growth and nonstructural carbohydrates. <i>New Phytologist</i> , 2008 , 180, 133-142	9.8	31
296	Reduced growth sensitivity to climate in bark-beetle infested Aleppo pines: Connecting climatic and biotic drivers of forest dieback. <i>Forest Ecology and Management</i> , 2015 , 357, 126-137	3.9	30

295	Disentangling the climate-driven bimodal growth pattern in coastal and continental Mediterranean pine stands. <i>Science of the Total Environment</i> , 2018 , 615, 1518-1526	10.2	30
294	Geographically structured and temporally unstable growth responses of <i>Juniperus thurifera</i> to recent climate variability in the Iberian Peninsula. <i>European Journal of Forest Research</i> , 2012 , 131, 905-917	2.7	30
293	Diplodia Tip Blight on Its Way to the North: Drivers of Disease Emergence in Northern Europe. <i>Frontiers in Plant Science</i> , 2018 , 9, 1818	6.2	29
292	Towards a better understanding of long-term wood-chemistry variations in old-growth forests: A case study on ancient <i>Pinus uncinata</i> trees from the Pyrenees. <i>Science of the Total Environment</i> , 2018 , 625, 220-232	10.2	29
291	Spatial diversity of recent trends in Mediterranean tree growth. <i>Environmental Research Letters</i> , 2014 , 9, 084001	6.2	29
290	Factors driving growth responses to drought in Mediterranean forests. <i>European Journal of Forest Research</i> , 2012 , 131, 1797-1807	2.7	29
289	Understanding the role of sapwood loss and reaction zone formation on radial growth of Norway spruce (<i>Picea abies</i>) trees decayed by <i>Heterobasidion annosum</i> s.l.. <i>Forest Ecology and Management</i> , 2012 , 274, 201-209	3.9	29
288	Morphological and ecophysiological variation of the hybrid oak <i>Quercus subpyrenaica</i> (<i>Q. faginea</i> × <i>Q. pubescens</i>). <i>Trees - Structure and Function</i> , 2004 , 18, 566	2.6	29
287	Standardized metrics are key for assessing drought severity. <i>Global Change Biology</i> , 2020 , 26, e1-e3	11.4	29
286	The impact of drought spells on forests depends on site conditions: The case of 2017 summer heat wave in southern Europe. <i>Global Change Biology</i> , 2020 , 26, 851-863	11.4	29
285	Know your limits? Climate extremes impact the range of Scots pine in unexpected places. <i>Annals of Botany</i> , 2015 , 116, 917-27	4.1	28
284	Historical changes in the stomatal limitation of photosynthesis: empirical support for an optimality principle. <i>New Phytologist</i> , 2020 , 225, 2484-2497	9.8	28
283	Are storage and tree growth related? Seasonal nutrient and carbohydrate dynamics in evergreen and deciduous Mediterranean oaks. <i>Trees - Structure and Function</i> , 2018 , 32, 777-790	2.6	27
282	Drought legacies are short, prevail in dry conifer forests and depend on growth variability. <i>Journal of Ecology</i> , 2020 , 108, 2473-2484	6	27
281	Forest and woodland replacement patterns following drought-related mortality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29720-29729	11.5	27
280	The facultative bimodal growth pattern in <i>Quercus ilex</i> : A simple model to predict sub-seasonal and inter-annual growth. <i>Dendrochronologia</i> , 2018 , 49, 77-88	2.8	26
279	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	4.2	26
278	Tracking the impact of drought on functionally different woody plants in a Mediterranean scrubland ecosystem. <i>Plant Ecology</i> , 2017 , 218, 1009-1020	1.7	26

277	Diverging shrub and tree growth from the Polar to the Mediterranean biomes across the European continent. <i>Global Change Biology</i> , 2017 , 23, 3169-3180	11.4	26
276	Priority questions in multidisciplinary drought research. <i>Climate Research</i> , 2018 , 75, 241-260	1.6	26
275	Available and missing data to model impact of climate change on European forests. <i>Ecological Modelling</i> , 2020 , 416, 108870	3	26
274	Towards a common methodology for developing logistic tree mortality models based on ring-width data 2016 , 26, 1827-1841		26
273	Drought modifies tree competitiveness in an oak-beech temperate forest. <i>Forest Ecology and Management</i> , 2018 , 429, 7-17	3.9	26
272	Complex climate constraints of upper treeline formation in the Pyrenees. <i>Trees - Structure and Function</i> , 2015 , 29, 941-952	2.6	25
271	Growth responses to climate and drought at the southernmost European limit of Mediterranean Pinus pinaster forests. <i>Dendrochronologia</i> , 2018 , 48, 20-29	2.8	25
270	Arboreal and prostrate conifers coexisting in Mediterranean high mountains differ in their climatic responses. <i>Dendrochronologia</i> , 2012 , 30, 279-286	2.8	25
269	Variation in the access to deep soil water pools explains tree-to-tree differences in drought-triggered dieback of Mediterranean oaks. <i>Tree Physiology</i> , 2020 , 40, 591-604	4.2	24
268	Differences in climate-growth relationship indicate diverse drought tolerances among five pine species coexisting in Northwestern Mexico. <i>Trees - Structure and Function</i> , 2017 , 31, 531-544	2.6	24
267	Stand-structural effects on Heterobasidion abietinum-related mortality following drought events in Abies pinsapo. <i>Oecologia</i> , 2010 , 164, 1107-19	2.9	24
266	Mountain treelines climb slowly despite rapid climate warming. <i>Global Ecology and Biogeography</i> , 2021 , 30, 305-315	6.1	24
265	Sapwood area drives growth in mountain conifer forests. <i>Journal of Ecology</i> , 2012 , 100, 1233-1244	6	23
264	Drought reduces growth and stimulates sugar accumulation: new evidence of environmentally driven non-structural carbohydrate use. <i>Tree Physiology</i> , 2017 , 37, 997-1000	4.2	23
263	Mediterranean dwarf shrubs and coexisting trees present different radial-growth synchronies and responses to climate. <i>Plant Ecology</i> , 2012 , 213, 1687-1698	1.7	23
262	Climatic influences on leaf phenology, xylogenesis and radial stem changes at hourly to monthly scales in two tropical dry forests. <i>Agricultural and Forest Meteorology</i> , 2016 , 216, 20-36	5.8	22
261	Competitive effects of herbs on Quercus faginea seedlings inferred from vulnerability curves and spatial-pattern analyses in a Mediterranean stand (Iberian System, northeast Spain). <i>Ecoscience</i> , 2006 , 13, 378-387	1.1	22
260	The International Soil Moisture Network: serving Earth system science for over a decade. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 5749-5804	5.5	22

259	Coexisting oak species, including rear-edge populations, buffer climate stress through xylem adjustments. <i>Tree Physiology</i> , 2018 , 38, 159-172	4.2	21
258	Long-term impacts of drought on growth and forest dynamics in a temperate beech-oak-birch forest. <i>Agricultural and Forest Meteorology</i> , 2018 , 259, 48-59	5.8	21
257	Pine recolonization dynamics in Mediterranean human-disturbed treeline ecotones. <i>Forest Ecology and Management</i> , 2019 , 435, 28-37	3.9	21
256	Drought and Are Associated With the Decline of Oak Species in Southern Italy. <i>Frontiers in Plant Science</i> , 2018 , 9, 1595	6.2	21
255	Post-drought Resilience After Forest Die-Off: Shifts in Regeneration, Composition, Growth and Productivity. <i>Frontiers in Plant Science</i> , 2018 , 9, 1546	6.2	21
254	Atlantic and Mediterranean synoptic drivers of central Spanish juniper growth. <i>Theoretical and Applied Climatology</i> , 2015 , 121, 571-579	3	20
253	Temperature thresholds for the onset of xylogenesis in alpine shrubs on the Tibetan Plateau. <i>Trees - Structure and Function</i> , 2016 , 30, 2091-2099	2.6	20
252	Uncoupled spatiotemporal patterns of seed dispersal and regeneration in Pyrenean silver fir populations. <i>Forest Ecology and Management</i> , 2014 , 319, 18-28	3.9	20
251	Influence of Topography on the Colonization of Subalpine Grasslands by the Thorny Cushion Dwarf <i>Echinospartum horridum</i> . <i>Arctic, Antarctic, and Alpine Research</i> , 2011 , 43, 601-611	1.8	20
250	A global framework for linking alpine-treeline ecotone patterns to underlying processes. <i>Ecography</i> , 2021 , 44, 265-292	6.5	20
249	Growth and reproduction respond differently to climate in three Neotropical tree species. <i>Oecologia</i> , 2017 , 184, 531-541	2.9	19
248	Summer drought and spring frost, but not their interaction, constrain European beech and Silver fir growth in their southern distribution limits. <i>Agricultural and Forest Meteorology</i> , 2019 , 278, 107695	5.8	19
247	Geographically Structured Growth decline of Rear-Edge Iberian <i>Fagus sylvatica</i> Forests After the 1980s Shift Toward a Warmer Climate. <i>Ecosystems</i> , 2019 , 22, 1325-1337	3.9	19
246	Tree-to-tree interactions slow down Himalayan treeline shifts as inferred from tree spatial patterns. <i>Journal of Biogeography</i> , 2020 , 47, 1816-1826	4.1	19
245	Positive coupling between growth and reproduction in young post-fire Aleppo pines depends on climate and site conditions. <i>International Journal of Wildland Fire</i> , 2015 , 24, 507	3.2	19
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243	Acorn production is linked to secondary growth but not to declining carbohydrate concentrations in current-year shoots of two oak species. <i>Trees - Structure and Function</i> , 2012 , 26, 841-850	2.6	19
242	Past the climate optimum: Recruitment is declining at the world's highest juniper shrublines on the Tibetan Plateau. <i>Ecology</i> , 2019 , 100, e02557	4.6	19

241	Linking fungal dynamics, tree growth and forest management in a Mediterranean pine ecosystem. <i>Forest Ecology and Management</i> , 2018 , 422, 223-232	3.9	18
240	Functional diversity differently shapes growth resilience to drought for co-existing pine species. <i>Journal of Vegetation Science</i> , 2018 , 29, 265-275	3.1	18
239	Topography and age mediate the growth responses of Smith fir to climate warming in the southeastern Tibetan Plateau. <i>International Journal of Biometeorology</i> , 2016 , 60, 1577-1587	3.7	18
238	Drought Decreases Growth and Increases Mortality of Coexisting Native and Introduced Tree Species in a Temperate Floodplain Forest. <i>Forests</i> , 2018 , 9, 205	2.8	18
237	Facilitation stabilizes moisture-controlled alpine juniper shrublines in the central Tibetan Plateau. <i>Global and Planetary Change</i> , 2015 , 132, 20-30	4.2	18
236	Long-term irrigation effects on Spanish holm oak growth and its black truffle symbiont. <i>Agriculture, Ecosystems and Environment</i> , 2015 , 202, 148-159	5.7	18
235	Competition modulates the response of growth to climate in pure and mixed <i>Abies pinsapo</i> subsp. <i>Maroccana</i> forests in northern Morocco. <i>Forest Ecology and Management</i> , 2020 , 459, 117847	3.9	18
234	Droughts and climate warming desynchronize Black pine growth across the Mediterranean Basin. <i>Science of the Total Environment</i> , 2019 , 697, 133989	10.2	17
233	Up to 400-year-old <i>Rhododendron</i> shrubs on the southeastern Tibetan Plateau: prospects for shrub-based dendrochronology. <i>Boreas</i> , 2015 , 44, 760-768	2.4	17
232	Beneath the canopy: Linking drought-induced forest die off and changes in soil properties. <i>Forest Ecology and Management</i> , 2018 , 422, 294-302	3.9	17
231	Moisture-Limited Tree Growth for a Subtropical Himalayan Conifer Forest in Western Nepal. <i>Forests</i> , 2018 , 9, 340	2.8	17
230	Long-term nutrient imbalances linked to drought-triggered forest dieback. <i>Science of the Total Environment</i> , 2019 , 690, 1254-1267	10.2	17
229	Global fading of the temperature-growth coupling at alpine and polar treelines. <i>Global Change Biology</i> , 2021 , 27, 1879-1889	11.4	17
228	Minimum wood density of conifers portrays changes in early season precipitation at dry and cold Eurasian regions. <i>Trees - Structure and Function</i> , 2017 , 31, 1423-1437	2.6	16
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225	Developmental instability as an index of adaptation to drought stress in a Mediterranean oak. <i>Ecological Indicators</i> , 2014 , 40, 68-75	5.8	16
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223	Fine root seasonal dynamics, plasticity, and mycorrhization in 2 coexisting Mediterranean oaks with contrasting aboveground phenology. <i>Ecoscience</i> , 2012 , 19, 238-245	1.1	16
222	The impact of a needleminer (<i>Epinotia subsequana</i>) outbreak on radial growth of silver fir (<i>Abies alba</i>) in the Arag� Pyrenees: A dendrochronological assessment. <i>Dendrochronologia</i> , 2003 , 21, 3-12	2.8	16
221	Climate controls on tree growth in the Western Mediterranean. <i>Holocene</i> , 2017 , 27, 1429-1442	2.6	15
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219	Greater sensitivity to hotter droughts underlies juniper dieback and mortality in Mediterranean shrublands. <i>Science of the Total Environment</i> , 2020 , 721, 137599	10.2	15
218	Temporal interactions among throughfall, type of canopy and thinning drive radial growth in an Iberian mixed pine-beech forest. <i>Agricultural and Forest Meteorology</i> , 2018 , 252, 62-74	5.8	15
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215	Spatial Distribution and Volume of Dead Wood in Unmanaged Caspian Beech (<i>Fagus orientalis</i>) Forests from Northern Iran. <i>Forests</i> , 2013 , 4, 751-765	2.8	15
214	Post-fire Aleppo pine growth, C and N isotope composition depend on site dryness. <i>Trees - Structure and Function</i> , 2016 , 30, 581-595	2.6	15
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212	Last-century forest productivity in a managed dry-edge Scots pine population: the two sides of climate warming. <i>Ecological Applications</i> , 2018 , 28, 95-105	4.9	14
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210	Analysing Atmospheric Processes and Climatic Drivers of Tree Defoliation to Determine Forest Vulnerability to Climate Warming. <i>Forests</i> , 2017 , 8, 13	2.8	14
209	Drought Influence over Radial Growth of Mexican Conifers Inhabiting Mesic and Xeric Sites. <i>Forests</i> , 2017 , 8, 175	2.8	14
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173	Asymmetric impacts of dryness and wetness on tree growth and forest coverage. <i>Agricultural and Forest Meteorology</i> , 2020 , 288-289, 107980	5.8	10
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168	Forest vulnerability to extreme climatic events in Romanian Scots pine forests. <i>Science of the Total Environment</i> , 2019 , 678, 721-727	10.2	9
167	Reconstructing Evaporation From Pine Tree Rings In Northern Mexico. <i>Tree-Ring Research</i> , 2015 , 71, 95-105	9	
166	Variability and trends of black truffle production in Spain (1970-2017): Linkages to climate, host growth, and human factors. <i>Agricultural and Forest Meteorology</i> , 2020 , 287, 107951	5.8	9
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157	Sancho, the oldest known Iberian shrub. <i>Dendrochronologia</i> , 2019 , 53, 32-36	2.8	9
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155	Site-dependent growth responses to climate in two major tree species from tropical dry forests of southwest Ecuador. <i>Dendrochronologia</i> , 2018 , 52, 11-19	2.8	9
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