Maxime Cailleret

List of Publications by Year
in descending order

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		201575	330025
38	4,135	27	37
papers	citations	h-index	g-index

39	39	39	6866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
2	A synthesis of radial growth patterns preceding tree mortality. Global Change Biology, 2017, 23, 1675-1690.	4.2	394
3	Research frontiers for improving our understanding of droughtâ€induced tree and forest mortality. New Phytologist, 2018, 218, 15-28.	3.5	334
4	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO₂. New Phytologist, 2021, 229, 2413-2445.	3.5	286
5	Low growth resilience to drought is related to future mortality risk in trees. Nature Communications, 2020, 11, 545.	5.8	228
6	Challenges for drought assessment in the Mediterranean region under future climate scenarios. Earth-Science Reviews, 2020, 210, 103348.	4.0	224
7	Contrasting resistance and resilience to extreme drought and late spring frost in five major European tree species. Global Change Biology, 2019, 25, 3781-3792.	4.2	152
8	Future ecosystem services from European mountain forests under climate change. Journal of Applied Ecology, 2017, 54, 389-401.	1.9	147
9	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. Frontiers in Plant Science, 2018, 9, 1964.	1.7	117
10	Growth and resilience responses of Scots pine to extreme droughts across Europe depend on predrought growth conditions. Global Change Biology, 2020, 26, 4521-4537.	4.2	105
11	Tree mortality submodels drive simulated longâ€term forest dynamics: assessing 15 models from the stand to global scale. Ecosphere, 2019, 10, e02616.	1.0	93
12	Reduction in browsing intensity may not compensate climate change effects on tree species composition in the Bavarian Forest National Park. Forest Ecology and Management, 2014, 328, 179-192.	1.4	90
13	Drought induced tree mortality â€“ a treeâ€ring isotope based conceptual model to assess mechanisms and predispositions. New Phytologist, 2018, 219, 485-490.	3.5	82
14	Drought-induced decline and mortality of silver fir differ among three sites in Southern France. Annals of Forest Science, 2014, 71, 643-657.	0.8	76
15	When a Tree Dies in the Forest: Scaling Climate-Driven Tree Mortality to Ecosystem Water and Carbon Fluxes. Ecosystems, 2016, 19, 1133-1147.	1.6	73
16	Growth resistance and resilience of mixed silver fir and Norway spruce forests in central Europe: Contrasting responses to mild and severe droughts. Global Change Biology, 2021, 27, 4403-4419.	4.2	64
17	How to kill a tree: empirical mortality models for 18 species and their performance in a dynamic forest model. Ecological Applications, 2018, 28, 522-540.	1.8	56
18	Assessing the response of forest productivity to climate extremes in Switzerland using modelâ€“data fusion. Global Change Biology, 2020, 26, 2463-2476.	4.2	54

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19	Pervasive decreases in living vegetation carbon turnover time across forest climate zones. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24662-24667.	3.3	52
20	Forward modeling of tree-ring width improves simulation of forest growth responses to drought. Agricultural and Forest Meteorology, 2016, 221, 13-33.	1.9	48
21	Ozone effects on European forest growthâ€"Towards an integrative approach. Journal of Ecology, 2018, 106, 1377-1389.	1.9	48
22	The agony of choice: different empirical mortality models lead to sharply different future forest dynamics. Ecological Applications, 2015, 25, 1303-1318.	1.8	41
23	Transpiration of silver Fir (Abies alba mill.) during and after drought in relation to soil properties in a Mediterranean mountain area. Annals of Forest Science, 2014, 71, 683-695.	0.8	40
24	Towards a common methodology for developing logistic tree mortality models based on ringâ€width data. Ecological Applications, 2016, 26, 1827-1841.	1.8	36
25	Disentangling the factors driving tree reproduction. Ecosphere, 2016, 7, e01389.	1.0	35
26	Accurate modeling of harvesting is key for projecting future forest dynamics: a case study in the Slovenian mountains. Regional Environmental Change, 2017, 17, 49-64.	1.4	34
27	Individual vulnerability factors of Silver fir (Abies alba Mill.) to parasitism by two contrasting biotic agents: mistletoe (Viscum album L. ssp. abietis) and bark beetles (Coleoptera: Curculionidae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10		
28	Competition and water stress indices as predictors of Pinus halepensis Mill. radial growth under drought. Forest Ecology and Management, 2020, 460, 117877.	1.4	27
29	Beyond forest succession: A gap model to study ecosystem functioning and tree community composition under climate change. Functional Ecology, 2021, 35, 955-975.	1.7	19
30	Standâ€scale climate change impacts on forests over large areas: transient responses and projection uncertainties. Ecological Applications, 2021, 31, e02313.	1.8	19
31	How do tree mortality models from combined tree-ring and inventory data affect projections of forest succession?. Forest Ecology and Management, 2019, 433, 606-617.	1.4	17
32	Magnitude and timing of density reduction are key for the resilience to severe drought in conifer-broadleaf mixed forests in Central Europe. Annals of Forest Science, 2021, 78, 1.	0.8	16
33	Climate Change Impact on Tree Architectural Development and Leaf Area. , 0, , .		13
34	Bayesian calibration of a growthâ€dependent tree mortality model to simulate the dynamics of European temperate forests. Ecological Applications, 2020, 30, e02021.	1.8	12
35	Consistently lower sap velocity and growth over nine years of rainfall exclusion in a Mediterranean mixed pine-oak forest. Agricultural and Forest Meteorology, 2021, 308-309, 108472.	1.9	10
36	Projecting Forest Dynamics Across Europe: Potentials and Pitfalls of Empirical Mortality Algorithms. Ecosystems, 2020, 23, 188-203.	1.6	9

#	Article	IF	Citations
37	An evaluation of multi-species empirical tree mortality algorithms for dynamic vegetation modelling. Scientific Reports, 2021, 11, 19845.	1.6	7
38	Empfindlichkeit typischer Schweizer WaldbestÃnde auf den Klimawandel. Schweizerische Zeitschrift Fur Forstwesen, 2015, 166, 408-419.	0.5	6