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Tree allometry variation in response to intra- and inter-specific competitions

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#	Paper	IF	Citations
47	Inter-tree competitive processes during early growth of an experimental plantation of <i>Eucalyptus pilularis</i> in sub-tropical Australia. <i>Forest Ecology and Management</i> , 2019 , 451, 117450	3.9	12
46	The Effect of Tree Crown Allometry on Community Dynamics in Mixed-Species Stands versus Monocultures. A Review and Perspectives for Modeling and Silvicultural Regulation. <i>Forests</i> , 2019 , 10, 810	2.8	29
45	Species Mixing Effects on HeightDiameter and Basal Area Increment Models for Scots Pine and Maritime Pine. <i>Forests</i> , 2019 , 10, 249	2.8	15
44	Transgressive overyielding in mixed compared with monospecific Scots pine (<i>Pinus sylvestris</i> L.) and oak (<i>Quercus robur</i> L., <i>Quercus petraea</i> (Matt.) Liebl.) stands Productivity gains increase with annual water supply. <i>Forest Ecology and Management</i> , 2019 , 439, 81-96	3.9	21
43	Stand growth and structure of mixed-species and monospecific stands of Scots pine (<i>Pinus sylvestris</i> L.) and oak (<i>Q. robur</i> L., <i>Quercus petraea</i> (Matt.) Liebl.) analysed along a productivity gradient through Europe. <i>European Journal of Forest Research</i> , 2020 , 139, 349-367	2.7	30
42	Species composition modulates seedling competitiveness of temperate tree species under hemiboreal conditions. <i>Forest Ecology and Management</i> , 2020 , 478, 118499	3.9	1
41	How does contemporary selection shape oak phenotypes?. <i>Evolutionary Applications</i> , 2020 , 13, 2772-2790	2.8	3
40	Modeling of tree heightDiameter relationships in the Atlantic Forest: effect of forest type on tree allometry. <i>Canadian Journal of Forest Research</i> , 2020 , 50, 1289-1298	1.9	3
39	Neighbourhood-mediated shifts in tree biomass allocation drive overyielding in tropical species mixtures. <i>New Phytologist</i> , 2020 , 228, 1256-1268	9.8	21
38	Crown plasticity of five pine species in response to competition along an aridity gradient. <i>Forest Ecology and Management</i> , 2020 , 473, 118302	3.9	4
37	HETEROFOR 1.0: a spatially explicit model for exploring the response of structurally complex forests to uncertain future conditions Part I: Carbon fluxes and tree dimensional growth. <i>Geoscientific Model Development</i> , 2020 , 13, 905-935	6.3	9
36	Can crown variables increase the generality of individual tree biomass equations?. <i>Trees - Structure and Function</i> , 2021 , 35, 15-26	2.6	2
35	Short-term reaction of European beech stem taper due to weather extremes. <i>Forest Ecology and Management</i> , 2021 , 480, 118653	3.9	3
34	Species interactions under climate change in mixed stands of Scots pine and pedunculate oak. <i>Forest Ecology and Management</i> , 2021 , 481, 118615	3.9	9
33	Mixture mitigates the effect of climate change on the provision of relevant ecosystem services in managed <i>Pinus pinea</i> L. forests. <i>Forest Ecology and Management</i> , 2021 , 481, 118782	3.9	4
32	Mixing effects on Scots pine (<i>Pinus sylvestris</i> L.) and Norway spruce (<i>Picea abies</i> (L.) Karst.) productivity along a climatic gradient across Europe. <i>Forest Ecology and Management</i> , 2021 , 482, 118834	3.9	8
31	Modeling form factors for sal (<i>Shorea robusta</i> Gaertn.) using tree and stand measures, and random effects. <i>Forest Ecology and Management</i> , 2021 , 482, 118807	3.9	3

30	Exploring the Potential to Improve the Estimation of Boreal Tree Structural Attributes with Simple Height- and Distance-Based Competition Index. <i>Forests</i> , 2021 , 12, 324	2.8	1
29	Effects of local neighbourhood diversity on crown structure and productivity of individual trees in mature mixed-species forests. <i>Forest Ecosystems</i> , 2021 , 8,	3.8	5
28	Local 3D fibre orientation for tensile strength prediction of European beech timber. <i>Construction and Building Materials</i> , 2021 , 279, 122527	6.7	2
27	Using terrestrial laser scanning for characterizing tree structural parameters and their changes under different management in a Mediterranean open woodland. <i>Forest Ecology and Management</i> , 2021 , 486, 118945	3.9	7
26	Competitive drivers of interspecific deviations of crown morphology from theoretical predictions measured with Terrestrial Laser Scanning. <i>Journal of Ecology</i> , 2021 , 109, 2612-2628	6	3
25	Age and size outperform topographic effects on growth-climate responses of trees in two Central European coniferous forest types. <i>Dendrochronologia</i> , 2021 , 68, 125845	2.8	3
24	Intra-specific leaf trait responses to species richness at two different local scales. <i>Basic and Applied Ecology</i> , 2021 , 55, 20-32	3.2	1
23	Assessing the intra-specific competition and its relation with tree structure in a beech forest (<i>Fagus orientalis</i> Lipsky). <i>Revista Brasileira De Botanica</i> , 1	1.2	0
22	Influence of climate on annual changes in Douglas-fir stem taper. <i>Trees - Structure and Function</i> , 2022 , 36, 849	2.6	
21	Feature selection by genetic algorithm in nonlinear taper model. <i>Canadian Journal of Forest Research</i> ,	1.9	0
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19	Species-Specific and Generalized Biomass Models for Estimating Carbon Stocks of Young Reforestations. <i>SSRN Electronic Journal</i> ,	1	
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17	Preferential allocation of carbohydrate reserves belowground supports disturbance-based management of American chestnut (<i>Castanea dentata</i>). <i>Forest Ecology and Management</i> , 2022 , 509, 120078	3.9	0
16	The distribution of carbon stocks between tree woody biomass and soil differs between Scots pine and broadleaved species (beech, oak) in European forests.. <i>European Journal of Forest Research</i> , 2022 , 1-14	2.7	0
15	Species-specific and generalized biomass models for estimating carbon stocks of young reforestations. <i>Biomass and Bioenergy</i> , 2022 , 161, 106453	5.3	1
14	Tree size inequality and competition effects on nonlinear mixed effects crown width model for natural spruce-fir-broadleaf mixed forest in northeast China. <i>Forest Ecology and Management</i> , 2022 , 518, 120291	3.9	1
13	Crown allometry and growing space requirements of four rare domestic tree species compared to oak and beech: implications for adaptive forest management. <i>European Journal of Forest Research</i> ,	2.7	1

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| 12 | Competitive performance of <i>Pinus massoniana</i> is related to scaling relationships at the individual plant and branch levels. <i>American Journal of Botany</i> , | 2.7 | |
| 11 | Effects of tree diversity on canopy space occupation vary with tree size and canopy space definition in a mature broad-leaved forest. <i>Agricultural and Forest Meteorology</i> , 2022 , 323, 109055 | 5.8 | |
| 10 | Stand density effects on tree growth and climatic response in <i>Picea obovata</i> Ledeb. plantations. <i>Forest Ecology and Management</i> , 2022 , 519, 120349 | 3.9 | ○ |
| 9 | Impacts of stand density on tree crown structure and biomass: A global meta-analysis. 2022 , 326, 109181 | | ○ |
| 8 | The Role of the Private Tree in Bringing Diversity and Resilience to the Urban Forest. | | ○ |
| 7 | Morphological plasticity of six tree species with different light demands growing in multi-layered deciduous forests in Central Europe. | | ○ |
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| 5 | Height growth strategies of <i>Mimosa scabrella</i> along a chronosequence. 2022 , 84, 215-224 | | ○ |
| 4 | Species-mixing effects on crown dimensions and canopy packing in a young pineBirch plantation are modulated by stand density and irrigation. | | ○ |
| 3 | TLidar-based crown shape indicates tree ring pattern in Norway spruce (<i>Picea abies</i> (L.) H. Karst) trees across competition gradients. A modeling and methodological approach. 2023 , 148, 110116 | | ○ |
| 2 | The Influence of Competition on some Structural Features of Persian Oak (<i>Quercus brantii</i> Lindl var.persica) Trees in Zagros Forest (Case study:Hashtad- Pahlu,Lorestan). 2022 , 10, 32-38 | | ○ |
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