

Analysis of wood density profiles of tree stems: incorporate
optimize wood sampling strategies for density and biomass

Trees - Structure and Function

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Non Destructive Method for Biomass Prediction Combining TLS Derived Tree Volume and Wood Density. <i>Forests</i> , 2015, 6, 1274-1300.	0.9	112
2	SimpleTree – An Efficient Open Source Tool to Build Tree Models from TLS Clouds. <i>Forests</i> , 2015, 6, 4245-4294.	0.9	226
3	Wood Specific Gravity Variations and Biomass of Central African Tree Species: The Simple Choice of the Outer Wood. <i>PLoS ONE</i> , 2015, 10, e0142146.	1.1	36
4	Variability of European beech wood density as influenced by interactions between tree-ring growth and aspect. <i>Forest Ecosystems</i> , 2016, 3, .	1.3	19
5	Above-ground woody biomass allocation and within tree carbon and nutrient distribution of wild cherry (<i>Prunus avium</i> L.) – a case study. <i>Forest Ecosystems</i> , 2016, 3, .	1.3	23
6	Patterns of within-stem variations in wood specific gravity and water content for five temperate tree species. <i>Annals of Forest Science</i> , 2017, 74, 1.	0.8	26
7	Does biomass growth increase in the largest trees? Flaws, fallacies and alternative analyses. <i>Functional Ecology</i> , 2017, 31, 568-581.	1.7	48
8	Characterization of eucalyptus clones subject to wind damage. <i>Pesquisa Agropecuaria Brasileira</i> , 2017, 52, 969-976.	0.9	2
9	Desarrollo y evaluación de un método racional y no destructivo para la toma de muestras de maderas blandas utilizadas en análisis químicos. <i>Madera Bosques</i> , 2017, 24, .	0.1	2
10	Variation in wood basic density within and between tree species and site conditions of exclosures in Tigray, northern Ethiopia. <i>Trees - Structure and Function</i> , 2018, 32, 967-983.	0.9	9
11	Using volume-weighted average wood specific gravity of trees reduces bias in aboveground biomass predictions from forest volume data. <i>Forest Ecology and Management</i> , 2018, 424, 519-528.	1.4	20
12	Development and dominance of Douglas-fir in North American rainforests. <i>Forest Ecology and Management</i> , 2018, 429, 93-114.	1.4	20
13	Quantifying aboveground components of <i>Picea sitchensis</i> for allometric comparisons among tall conifers in North American rainforests. <i>Forest Ecology and Management</i> , 2018, 430, 59-77.	1.4	25
14	Upscaling Forest Biomass from Field to Satellite Measurements: Sources of Errors and Ways to Reduce Them. <i>Surveys in Geophysics</i> , 2019, 40, 881-911.	2.1	61
15	CarDen: A software for fast measurement of wood density on increment cores by CT scanning. <i>Computers and Electronics in Agriculture</i> , 2019, 156, 606-617.	3.7	17
16	Allometric equations for <i>Sequoia sempervirens</i> in forests of different ages. <i>Forest Ecology and Management</i> , 2019, 433, 349-363.	1.4	23
17	Wood density in mangrove forests on the Brazilian Amazon coast. <i>Trees - Structure and Function</i> , 2020, 34, 51-60.	0.9	8
18	Terrestrial laser scanning in forest ecology: Expanding the horizon. <i>Remote Sensing of Environment</i> , 2020, 251, 112102.	4.6	208

#	ARTICLE	IF	CITATIONS
19	Biomass and Volume Modeling along with Carbon Concentration Variations of Short-Rotation Poplar Plantations. <i>Forests</i> , 2020, 11, 780.	0.9	13
20	Improving aboveground biomass estimates by taking into account density variations between tree components. <i>Annals of Forest Science</i> , 2020, 77, 1.	0.8	10
21	Predicting effects of climate change on productivity and persistence of forest trees. <i>Ecological Research</i> , 2020, 35, 562-574.	0.7	8
22	How many trees and samples are adequate for estimating wood-specific gravity across different tropical forests?. <i>Trees - Structure and Function</i> , 2020, 34, 1383-1395.	0.9	2
23	Mean Annual Wood Density Variations of <i>Larix gmelinii</i> (Rupr.), <i>Quercus mongolica</i> Fisch. ex Ledeb., and <i>Pinus tabulaeformis</i> Carr. at Two Different Stem Heights. <i>Forests</i> , 2020, 11, 394.	0.9	2
24	Variations in temperate forest stem biomass ratio along three environmental gradients are dominated by interspecific differences in wood density. <i>Plant Ecology</i> , 2021, 222, 289-303.	0.7	7
25	Consequences of vertical basic wood density variation on the estimation of aboveground biomass with terrestrial laser scanning. <i>Trees - Structure and Function</i> , 2021, 35, 671-684.	0.9	17
27	Vertical variations in wood basic density for two softwood species. <i>European Journal of Forest Research</i> , 2021, 140, 1401-1416.	1.1	4
28	Terrestrial laser scanning as a tool for assessing tree growth. <i>IForest</i> , 2017, 10, 172-179.	0.5	20
29	Recommendation of non-destructive sampling method for density estimation of the Eucalyptus wood. <i>Maderas: Ciencia Y Tecnologia</i> , 2019, , 0-0.	0.7	1
30	Estimation of the Basic Wood Density of Native Species Using Mixed Linear Models. <i>Floresta E Ambiente</i> , 2019, 26, .	0.1	2
31	Influence of Planting Scheme on Some Physical Properties of Norway Spruce (<i>Picea abies</i> (L.) H. Karst) Wood. <i>Forests</i> , 2022, 13, 540.	0.9	3
32	Multivariate drought stress response of Norway spruce, silver fir and Douglas fir along elevational gradients in Southwestern Germany. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	5
33	Physical, Chemical, and Mechanical Characterization of Natural Bark Fibers (NBFs) Reinforced Polymer Composites: A Bibliographic Review. <i>Fibers</i> , 2023, 11, 13.	1.8	8