Alejandro Martinez-Meier

List of Publications by Year
in descending order

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22 papers	453 citations	840776 11 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	657 citing authors

#	Article	IF	Citations
1	What is hot in tree rings? The wood density of surviving Douglas-firs to the 2003 drought and heat wave. Forest Ecology and Management, 2008, 256, 837-843.	3.2	81
2	Variation of wood density and hydraulic properties of Douglas-fir (Pseudotsuga menziesii (Mirb.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 257, 182-189.	3.2	53
3	Genetic variation of xylem hydraulic properties shows that wood density is involved in adaptation to drought in Douglas-fir (Pseudotsuga menziesii (Mirb.)). Annals of Forest Science, 2011, 68, 747-757.	2.0	48
4	Seed dormancy responses to temperature relate to Nothofagus species distribution and determine temporal patterns of germination across altitudes in Patagonia. New Phytologist, 2016, 209, 507-520.	7.3	45
5	Wood density proxies of adaptive traits linked with resistance to drought in Douglas fir (Pseudotsuga menziesii (Mirb.) Franco). Trees - Structure and Function, 2014, 28, 1289-1304.	1.9	32
6	Dynamics of cavitation in a Douglas-fir tree-ring: transition-wood, the lord of the ring?. The Journal of Plant Hydraulics, 0, 1, e005.	1.0	30
7	Functional relationships between wood structure and vulnerability to xylem cavitation in races of Eucalyptus globulus differing in wood density. Tree Physiology, 2018, 38, 243-251.	3.1	29
8	First insights into the functional role of vasicentric tracheids and parenchyma in eucalyptus species with solitary vessels: do they contribute to xylem efficiency or safety?. Tree Physiology, 2016, 36, 1485-1497.	3.1	28
9	New insights into wood anatomy and function relationships: How Eucalyptus challenges what we already know. Forest Ecology and Management, 2019, 454, 117638.	3.2	20
10	Climate warming differently affects Larix decidua ring formation at each end of a French Alps elevational gradient. Annals of Forest Science, 2020, 77, 1.	2.0	16
11	Ring density record of phenotypic plasticity and adaptation to drought in Douglas-fir. Forest Ecology and Management, 2009, 258, 860-867.	3.2	14
12	Wood density and anatomy of three Eucalyptus species: implications for hydraulic conductivity. Forest Systems, 2017, 26, e010.	0.3	13
13	Heritable variation in the survival of seedlings from Patagonian cypress marginal xeric populations coping with drought and extreme cold. Tree Genetics and Genomes, 2012, 8, 801-810.	1.6	10
14	Ecophysiological basis of wood formation in ponderosa pine: Linking water flux patterns with wood microdensity variables. Forest Ecology and Management, 2015, 346, 31-40.	3.2	7
15	Robles in Lagunas de Epulauquen, Argentina: previous and recent evidence of their distinctive character. Revista Chilena De Historia Natural, 2014, 87, .	1.2	6
16	Dissecting the Space-Time Structure of Tree-Ring Datasets Using the Partial Triadic Analysis. PLoS ONE, 2014, 9, e108332.	2.5	5
17	Phenotypic plasticity of European larch radial growth and wood density along aâ€1,000 m elevational gradient. Plant-Environment Interactions, 2021, 2, 45-60.	1.5	5
18	Phenotypic variation of basic wood density in Pinus ponderosa plus trees. Bosque, 2011, 32, 221-226.	0.3	5

#	Article	IF	Citations
19	Assessment of resistance to xylem cavitation in cordilleran cypress using near-infrared spectroscopy. Forest Ecology and Management, 2020, 462, 117943.	3.2	3
20	Analyse rÃ©trospective de l'adaptation Ã la sÃ©cheresse chez le douglas. Schweizerische Zeitschrift Fur Forstwesen, 2012, 163, 88-95.	0.1	2
21	STAND DENSITY MANAGEMENT DIAGRAMS OF Eucalyptus viminalis: PREDICTING STEM VOLUME, BIOMASS AND CANOPY COVER FOR DIFFERENT PRODUCTION PURPOSES. Cerne, 2019, 25, 463-472.	0.9	1
22	Potencial dendroenergÃ©tico de dos clones de Eucalyptus sp. en Corrientes, Argentina. Madera Bosques, 2022, 28, e2812268.	0.2	0