Andrea Ahc Hevia Cabal

List of Publications by Year
in descending order

41 papers	1,538 citations	430874 18 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	1961 citing authors

#	Article	IF	Citations
1	Exploring wood anatomy, density and chemistry profiles to understand the tree-ring formation in Amazonian tree species. Dendrochronologia, 2022, 71, 125915.	2.2	11
2	Tree growth response to drought partially explains regionalâ€scale growth and mortality patterns in Iberian forests. Ecological Applications, 2022, 32, e2589.	3.8	13
3	Jet stream position explains regional anomalies in European beech forest productivity and tree growth. Nature Communications, 2022, 13, 2015.	12.8	8
4	Mature forests hold maximum live biomass stocks. Forest Ecology and Management, 2021, 480, 118635.	3.2	20
5	Climate warming predispose sessile oak forests to drought-induced tree mortality regardless of management legacies. Forest Ecology and Management, 2021, 491, 119097.	3.2	18
6	Minimum and maximum wood density as proxies of water availability in two Mexican pine species coexisting in a seasonally dry area. Trees - Structure and Function, 2021, 35, 597-607.	1.9	13
7	Linking tree-ring growth and satellite-derived gross primary growth in multiple forest biomes. Temporal-scale matters. Ecological Indicators, 2020, 108, 105753.	6.3	33
8	Improving spatial synchronization between X-ray and near-infrared spectra information to predict wood density profiles. Wood Science and Technology, 2020, 54, 1151-1164.	3.2	9
9	Links between climate, drought and minimum wood density in conifers. IAWA Journal, 2020, 41, 236-255.	2.7	9
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.	9.5	105
11	Which matters more for wood traits in Pinus halepensis Mill., provenance or climate?. Annals of Forest Science, 2020, 77, 1.	2.0	19
12	Drought legacies are short, prevail in dry conifer forests and depend on growth variability. Journal of Ecology, 2020, 108, 2473-2484.	4.0	74
13	Multi-criteria analysis to compare multiple risks associated with management alternatives in planted forests. Forest Systems, 2020, 29, e004.	0.3	1
14	Long-term nutrient imbalances linked to drought-triggered forest dieback. Science of the Total Environment, 2019, 690, 1254-1267.	8.0	42
15	Scientific Merits and Analytical Challenges of Treeâ€Ring Densitometry. Reviews of Geophysics, 2019, 57, 1224-1264.	23.0	98
16	No systematic effects of sampling direction on climate-growth relationships in a large-scale, multi-species tree-ring data set. Dendrochronologia, 2019, 57, 125624.	2.2	20
17	Testing annual tree-ring chemistry by X-ray fluorescence for dendroclimatic studies in high-elevation forests from the Spanish Pyrenees. Quaternary International, 2019, 514, 130-140.	1.5	18
18	Forest resilience to drought varies across biomes. Global Change Biology, 2018, 24, 2143-2158.	9.5	267

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19	Towards a better understanding of long-term wood-chemistry variations in old-growth forests: A case study on ancient Pinus uncinata trees from the Pyrenees. Science of the Total Environment, 2018, 625, 220-232.	8.0	47
20	Assessing the effect of pruning and thinning on crown fire hazard in young Atlantic maritime pine forests. Journal of Environmental Management, 2018, 205, 9-17.	7.8	12
21	Radial Growth and Wood Density Reflect the Impacts and Susceptibility to Defoliation by Gypsy Moth and Climate in Radiata Pine. Frontiers in Plant Science, 2018, 9, 1582.	3.6	12
22	Drought Sensitiveness on Forest Growth in Peninsular Spain and the Balearic Islands. Forests, 2018, 9, 524.	2.1	43
23	Do Common Silvicultural Treatments Affect Wood Density of Mediterranean Montane Pines?. Forests, 2018, 9, 80.	2.1	14
24	An intensive tree-ring experience: Connecting education and research during the 25th European Dendroecological Fieldweek (Asturias, Spain). Dendrochronologia, 2017, 42, 80-93.	2.2	5
25	Novel approach to assessing residual biomass from pruning: A case study in Atlantic Pinus pinaster Ait. timber forests. Renewable Energy, 2017, 107, 620-628.	8.9	9
26	Climate extremes and predicted warming threaten Mediterranean Holocene firs forests refugia. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10142-E10150.	7.1	92
27	Modelling the vertical distribution of canopy fuel load using national forest inventory and low-density airbone laser scanning data. PLoS ONE, 2017, 12, e0176114.	2.5	35
28	Comparison of pruning effects on tree growth, productivity and dominance of two major timber conifer species. Forest Ecology and Management, 2016, 374, 82-92.	3.2	19
29	Application of a processâ€based model for predicting the productivity of Eucalyptus nitens bioenergy plantations in Spain. GCB Bioenergy, 2016, 8, 194-210.	5.6	22
30	Common trends in elements? Within- and between-tree variations of wood-chemistry measured by X-ray fluorescence â€" A dendrochemical study. Science of the Total Environment, 2016, 566-567, 1245-1253.	8.0	44
31	Effects of pruning on knotty core taper and form of Pinus radiata and Pinus pinaster. European Journal of Wood and Wood Products, 2016, 74, 741-750.	2.9	5
32	Nutritional, carbon and energy evaluation of Eucalyptus nitens short rotation bioenergy plantations in northwestern Spain. IForest, 2016, 9, 303-310.	1.4	16
33	EstimaciÃ³n de variables de combustible de copa y de masa, caracterizando el efecto de las claras en su estructura usando LiDAR aerotransportado. Revista De Teledeteccion, 2016, , 41.	0.6	19
34	Dynamic growth and yield model including environmental factors for Eucalyptus nitens (Deane &) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	19
35	Compatibility of whole-stand and individual-tree models using composite estimators and disaggregation. Forest Ecology and Management, 2015, 348, 46-56.	3.2	14
36	What drives growth of Scots pine in continental Mediterranean climates: Drought, low temperatures or both?. Agricultural and Forest Meteorology, 2015, 206, 151-162.	4.8	76

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37	Disentangling the effects of competition and climate on individual tree growth: A retrospective and dynamic approach in Scots pine. Forest Ecology and Management, 2015, 358, 12-25.	3.2	100
38	Response to the interaction of thinning and pruning of pine species in Mediterranean mountains. European Journal of Forest Research, 2014, 133, 833-843.	2.5	16
39	Above-ground biomass estimation at tree and stand level forÂshort rotation plantations of Eucalyptus nitens (Deane & Maiden) Maiden in Northwest Spain. Biomass and Bioenergy, 2013, 54, 147-157.	5.7	32
40	Dendrochronology Course In ValsaÃn Forest, Segovia, Spain. Tree-Ring Research, 2013, 69, 93-100.	0.6	9
41	Plasticity in Dendroclimatic Response across the Distribution Range of Aleppo Pine (Pinus halepensis). PLoS ONE, 2013, 8, e83550.	2.5	100