Cristina Nabais

List of Publications by Year
in descending order

61	2,831	159585 30	175258 52
papers	citations	h-index	g-index

63	63	63	2630
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Woody biomass production lags stem-girth increase by over one month in coniferous forests. Nature Plants, 2015, 1, 15160.	9.3	294
2	Climatic significance of tree-ring width and intra-annual density fluctuations inPinus pineafrom a dry Mediterranean area in Portugal. Annals of Forest Science, 2007, 64, 229-238.	2.0	180
3	Age-dependent responses of tree-ring growth and intra-annual density fluctuations of Pinus pinaster to Mediterranean climate. Trees - Structure and Function, 2009, 23, 257-265.	1.9	170
4	Belowground mutualists and the invasive ability of AcaciaÂlongifolia in coastal dunes of Portugal. Biological Invasions, 2009, 11, 651-661.	2.4	116
5	Photoperiod and temperature as dominant environmental drivers triggering secondary growth resumption in Northern Hemisphere conifers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20645-20652.	7.1	113
6	Ecophysiological tolerance of duckweeds exposed to copper. Aquatic Toxicology, 2009, 91, 1-9.	4.0	109
7	Xylogenesis of Pinus pinaster under a Mediterranean climate. Annals of Forest Science, 2014, 71, 71-80.	2.0	96
8	Climate controls act at different scales on the seasonal pattern of Quercus ilex L. stem radial increments in NE Spain. Trees - Structure and Function, 2011, 25, 637-646.	1.9	94
9	Vessel features of Quercus ilex L. growing under Mediterranean climate have a better climatic signal than tree-ring width. Trees - Structure and Function, 2010, 24, 463-470.	1.9	93
10	Tree-ring growth and intra-annual density fluctuations of Pinus pinaster responses to climate: does size matter?. Trees - Structure and Function, 2013, 27, 763-772.	1.9	89
11	Seasonal and daily cycles of stem radial variation of Pinus pinaster in a drought-prone environment. Agricultural and Forest Meteorology, 2013, 180, 173-181.	4.8	82
12	Genetic Diversity and Differentiation of Juniperus thurifera in Spain and Morocco as Determined by SSR. PLoS ONE, 2014, 9, e88996.	2.5	80
13	Adjustment Capacity of Maritime Pine Cambial Activity in Drought-Prone Environments. PLoS ONE, 2015, 10, e0126223.	2.5	74
14	Structure and Function of Intraâ€“Annual Density Fluctuations: Mind the Gaps. Frontiers in Plant Science, 2016, 7, 595.	3.6	72
15	The effect of climate on wood density: What provenance trials tell us?. Forest Ecology and Management, 2018, 408, 148-156.	3.2	71
16	Dendroanalysis: a tool for biomonitoring environmental pollution?. Science of the Total Environment, 1999, 232, 33-37.	8.0	68
17	Relationships between climate and double rings in Quercus ilex from northeast Spain. Canadian Journal of Forest Research, 2007, 37, 1915-1923.	1.7	62
18	detrendeR â€“ A Graphical User Interface to process and visualize tree-ring data using R. Dendrochronologia, 2012, 30, 57-60.	2.2	58

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19	Climatic Signals from Intra-annual Density Fluctuation Frequency in Mediterranean Pines at a Regional Scale. Frontiers in Plant Science, 2016, 7, 579.	3.6	58
20	Intra-annual density fluctuations of Pinus pinaster are a record of climatic changes in the western Mediterranean region. Canadian Journal of Forest Research, 2010, 40, 1567-1575.	1.7	54
21	Climatic signals of tree-ring width and intra-annual density fluctuations in Pinus pinaster and Pinus pinea along a latitudinal gradient in Portugal. Forestry, 2014, 87, 598-605.	2.3	52
22	Which matters most for the formation of intra-annual density fluctuations in Pinus pinaster: age or size?. Trees - Structure and Function, 2015, 29, 237-245.	1.9	52
23	Environmental control of vessel traits in Quercus ilex under Mediterranean climate: relating xylem anatomy to function. Trees - Structure and Function, 2013, 27, 655-662.	1.9	50
24	Plastic Response of Tracheids in Pinus pinaster in a Water-Limited Environment: Adjusting Lumen Size instead of Wall Thickness. PLoS ONE, 2015, 10, e0136305.	2.5	49
25	Are neighboring trees in tune? Wood formation in Pinus pinaster. European Journal of Forest Research, 2014, 133, 41-50.	2.5	44
26	Trace element distribution in soils developed on gossan mine wastes and Cistus ladanifer L. tolerance and bioaccumulation. Journal of Geochemical Exploration, 2012, 123, 45-51.	3.2	43
27	Dendrochronology of Quercus ilex L. and its potential use for climate reconstruction in the Mediterranean region. Canadian Journal of Forest Research, 2009, 39, 2486-2493.	1.7	42
28	The facultative bimodal growth pattern in Quercus ilex â€“ A simple model to predict sub-seasonal and inter-annual growth. Dendrochronologia, 2018, 49, 77-88.	2.2	40
29	Tropical tree growth driven by dry-season climate variability. Nature Geoscience, 2022, 15, 269-276.	12.9	38
30	Nickel speciation in the xylem sap of the hyperaccumulator Alyssum serpyllifolium ssp. lusitanicum growing on serpentine soils of northeast Portugal. Journal of Plant Physiology, 2011, 168, 1715-1722.	3.5	37
31	Trace elements and activity of antioxidative enzymes in Cistus ladanifer L. growing on an abandoned mine area. Ecotoxicology, 2009, 18, 860-868.	2.4	29
32	Effect of provenance and climate on intra-annual density fluctuations of Norway spruce Picea abies (L.) Karst. in Poland. Agricultural and Forest Meteorology, 2019, 269-270, 145-156.	4.8	28
33	Different growth sensitivity to climate of the conifer Juniperus thurifera on both sides of the Mediterranean Sea. International Journal of Biometeorology, 2014, 58, 2095-2109.	3.0	24
34	Rain exclusion affects cambial activity in adult maritime pines. Agricultural and Forest Meteorology, 2017, 237-238, 303-310.	4.8	22
35	Revegetation of abandoned copper mines: the role of seed banks and soil amendments. Web Ecology, 2013, 13, 69-77.	1.6	21
36	tracheideRâ€"An R package to standardize tracheidograms. Dendrochronologia, 2016, 37, 64-68.	2.2	21

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37	Climatic and physiological regulation of the bimodal xylem formation pattern in Pinus pinaster saplings. Tree Physiology, 2019, 39, 2008-2018.	3.1	21
38	Effect of root age on the allocation of metals, amino acids and sugars in different cell fractions of the perennial grass Paspalum notatum (bahiagrass). Plant Physiology and Biochemistry, 2011, 49, 1442-1447.	5.8	16
39	Evaluation of X-ray densitometry to identify tree-ring boundaries of two deciduous species from semi-arid forests in Brazil. Dendrochronologia, 2017, 42, 94-103.	2.2	16
40	Seasonal adjustment of primary and secondary growth in maritime pine under simulated climatic changes. Annals of Forest Science, 2019, 76, 1.	2.0	16
41	Pre-dispersal predation effect on seed packaging strategies and seed viability. Oecologia, 2016, 180, 91-102.	2.0	14
42	Nitrogen transport in the xylem sap of Quercus ilex: The role of ornithine. Journal of Plant Physiology, 2005, 162, 603-606.	3.5	13
43	Editorial: Studying Tree Responses to Extreme Events. Frontiers in Plant Science, 2017, 8, 506.	3.6	13
44	Climatic signal in growth-rings of Copaifera lucens: An endemic species of a Brazilian Atlantic forest hotspot, southeastern Brazil. Dendrochronologia, 2018, 50, 23-32.	2.2	12
45	Does the Genotype Have a Significant Effect on the Formation of Intra-Annual Density Fluctuations? A Case Study Using Larix decidua from Northern Poland. Frontiers in Plant Science, 2016, 7, 691.	3.6	11
46	Dendrochronology and climate in the Brazilian Atlantic Forest: Which species, where and how. Neotropical Biology and Conservation, 2018, 13, .	0.9	10
47	Nickel sorption capacity of ground xylem of Quercus ilex trees and effects of selected ligands present in the xylem sap. Journal of Plant Physiology, 2009, 166, 270-277.	3.5	8
48	Morphology and Karyology ofAntirrhinum rothmalericomb. & stat. nov. (Plantaginaceae), a Plant Endemic to the NW Iberian Peninsula. Annales Botanici Fennici, 2011, 48, 409-421.	0.1	6
49	Dendrochronology of maritime pine in the middle of the Atlantic Ocean. Dendrochronologia, 2017, 45, 73-80.	2.2	6
50	Environment Controls Seasonal and Daily Cycles of Stem Diameter Variations in Portuguese Oak (Quercus faginea Lambert). Forests, 2022, 13, 170.	2.1	6
51	Dynamic Modelling of Nickel Complexation in Xylem Sap ofQuercus ilex: A Voltammetric Study. Electroanalysis, 2006, 18, 814-822.	2.9	5
52	Phytogeochemical, geographical and vulnerability study of the Paleosubtropical element Notholaena marantae subsp. marantae (Sinopteridaceae) at the western edge of its range. Biologia (Poland), 2011, 66, 258-265.	1.5	5
53	Extreme Growth Increments Reveal Local and Regional Climatic Signals in Two Pinus pinaster Populations. Frontiers in Plant Science, 2021, 12, 658777.	3.6	5
54	Chapter 9 Agriculture-induced contamination of surface water and groundwater in Portugal. Developments in Environmental Science, 2007, 5, 195-206.	0.5	3

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55	Transplanting native woody legumes: a suitable option for the revegetation of coastal dunes. Ecological Research, 2015, 30, 49-55.	1.5	3
56	Variation in seed packaging of a fleshyâ€fruited conifer provides insights into the ecology and evolution of multiâ€seeded fruits. Plant Biology, 2017, 19, 533-541.	3.8	3
57	Wood anatomy and growth ring boundaries of Copaifera lucens (Fabaceae). IAWA Journal, 2018, 39, 395-405.	2.7	3
58	Dry and hot years drive growth decline of Pinus halepensis at its southern range limit in the Moroccan High Atlas Mountains. Trees - Structure and Function, 2022, 36, 1585-1595.	1.9	3
59	Reply to Elmendorf and Ettinger: Photoperiod plays a dominant and irreplaceable role in triggering secondary growth resumption. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32865-32867.	7.1	2
60	ANÃŁISE DE RISCO DE QUEDA DE ÃRVORES: Tilia tomentosa Moench. Revista Da Sociedade Brasileira De ArborizaÃ§Ã£o Urbana, 2019, 14, 01.	0.1	0
61	Projecto INVISIBLE WOODS. Kairos, 2020, , 68-87.	0.0	0