Helder Viana

List of Publications by Year
in descending order

19 papers	1,884 citations	759190 12 h-index	888047 17 g-index
20 all docs	20 docs citations	20 times ranked	4001 citing authors

#	Article	IF	Citations
1	Positive biodiversity-productivity relationship predominant in global forests. Science, 2016, 354, .	12.6	864
2	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. Nature, 2019, 569, 404-408.	27.8	371
3	Assessment of forest biomass for use as energy. GIS-based analysis of geographical availability and locations of wood-fired power plants in Portugal. Applied Energy, 2010, 87, 2551-2560.	10.1	165
4	Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12192-12200.	7.1	140
5	The number of tree species on Earth. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	86
6	Estimation of crown biomass of Pinus pinaster stands and shrubland above-ground biomass using forest inventory data, remotely sensed imagery and spatial prediction models. Ecological Modelling, 2012, 226, 22-35.	2.5	70
7	Fuel characterization and biomass combustion properties of selected native woody shrub species from central Portugal and NW Spain. Fuel, 2012, 102, 737-745.	6.4	61
8	Evaluation of the Physical, Chemical and Thermal Properties of Portuguese Maritime Pine Biomass. Sustainability, 2018, 10, 2877.	3.2	34
9	Termite Resistance, Chemical and Mechanical Characterization of Paulownia tomentosa Wood before and after Heat Treatment. Forests, 2021, 12, 1114.	2.1	18
10	Life cycle assessment of residual forestry biomass chips at a power plant: a Portuguese case study. International Journal of Energy and Environmental Engineering, 2014, 5, 1.	2.5	17
11	Shrub Biomass Estimates in Former Burnt Areas Using Sentinel 2 Images Processing and Classification. Forests, 2020, 11, 555.	2.1	17
12	A PROPOSED METHODOLOGY FOR THE CORRECTION OF THE LEAF AREA INDEX MEASURED WITH A CEPTOMETER FOR PINUS AND EUCALYPTUS FORESTS. Revista Arvore, 2016, 40, 845-854.	0.5	15
13	A simplified methodology for the correction of Leaf Area Index (LAI) measurements obtained by ceptometer with reference to Pinus Portuguese forests. IForest, 2014, 7, 186-192.	1.4	9
14	Large Scale Shrub Biomass Estimates for Multiple Purposes. Life, 2020, 10, 33.	2.4	5
15	The Influence of Age on the Wood Properties of Paulownia tomentosa (Thunb.) Steud.. Forests, 2022, 13, 700.	2.1	4
16	Pyrolysis of burnt maritime pine biomass from forest fires. Biomass and Bioenergy, 2022, 163, 106535.	5.7	4
17	Synergies Between Goat Grazing and Shrub Biomass in Mountain Areas. , 2017, , 155-175.		2
18	Pinus Pinaster and Eucalyptus Globulus Energetic Properties and Ash Characterization. , 2018, , .		1

#	Article	IF	Citations
19	Assessment of Forest Aboveground Biomass Stocks and Dynamics with Inventory Data, Remotely Sensed Imagery and Geostatistics. , 2011, , .		0