GarcÃ-a- Abril, Antonio

List of Publications by Year
in descending order

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40	724	516710	552781
papers	citations	16 h-index	26 g-index

41	41	41	1210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Object-based semi-automatic approach for forest structure characterization using lidar data in heterogeneous Pinus sylvestris stands. Forest Ecology and Management, 2008, 255, 3677-3685.	3.2	70
2	Characterizing forest structural types and shelterwood dynamics from Lorenz-based indicators predicted by airborne laser scanning. Canadian Journal of Forest Research, 2013, 43, 1063-1074.	1.7	55
3	Relationship between LiDAR-derived forest canopy height and Landsat images. International Journal of Remote Sensing, 2010, 31, 1261-1280.	2.9	52
4	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. Scientific Data, 2019, 6, 198.	5.3	44
5	A review of research on Chinese Tuber species. Mycological Progress, 2010, 9, 315-335.	1.4	41
6	Influence of the resolution of forest cover maps in evaluating fragmentation and connectivity to assess habitat conservation status. Ecological Indicators, 2017, 79, 295-302.	6.3	40
7	Enhancing of accuracy assessment for forest above-ground biomass estimates obtained from remote sensing via hypothesis testing and overfitting evaluation. Ecological Modelling, 2017, 366, 15-26.	2.5	38
8	Influence of Global Navigation Satellite System errors in positioning inventory plots for tree-height distribution studiesThis article is one of a selection of papers from Extending Forest Inventory and Monitoring over Space and Time.. Canadian Journal of Forest Research, 2011, 41, 11-23.	1.7	34
9	Evaluating landscape connectivity in fragmented habitats: Cantabrian capercaillie (Tetrao urogallus) Tj ETQq1 1 0.784314 rgBT /Overl	3.2	32
10	Fusion of airborne LiDAR and multispectral sensors reveals synergic capabilities in forest structure characterization. GIScience and Remote Sensing, 2016, 53, 723-738.	5.9	30
11	Remote sensing estimates and measures of uncertainty for forest variables at different aggregation levels. Environmetrics, 2016, 27, 225-238.	1.4	29
12	Ecological patterns of Tuber melanosporum and different Quercus Mediterranean forests: Quantitative production of truffles, burn sizes and soil studies. Forest Ecology and Management, 2007, 242, 288-296.	3.2	28
13	New data on ectomycorrhizae and soils of the Chinese truffles Tuber pseudoexcavatum and Tuber indicum, and their impact on truffle cultivation. Mycorrhiza, 2008, 19, 7-14.	2.8	26
14	Structural connectivity as an indicator of species richness and landscape diversity in Castilla y LeÃ³n (Spain). Forest Ecology and Management, 2019, 432, 286-297.	3.2	24
15	A simple approach to forest structure classification using airborne laser scanning that can be adopted across bioregions. Forest Ecology and Management, 2019, 433, 111-121.	3.2	22
16	Evaluating observed versus predicted forest biomass: R-squared, index of agreement or maximal information coefficient?. European Journal of Remote Sensing, 2019, 52, 345-358.	3.5	19
17	Proposal of new Natura 2000 network boundaries in Spain based on the value of importance for biodiversity and connectivity analysis for its improvement. Ecological Indicators, 2021, 129, 108024.	6.3	16
18	Optimisation of spatial allocation of forestry activities within a forest stand. Computers and Electronics in Agriculture, 2005, 49, 159-174.	7.7	13

#	Article	IF	Citations
19	Measuring mosaic diversity based on land use map in the region of Madrid, Spain. Land Use Policy, 2018, 71, 329-334.	5.6	13
20	Estimation of forest biomass components using airborne LiDAR and multispectral sensors. IForest, 2019, 12, 207-213.	1.4	13
21	Stand structure, competition and growth of Scots pine (Pinus sylvestris L.) in a Mediterranean mountainous environment. Annals of Forest Science, 2007, 64, 825-830.	2.0	12
22	Edaphic controls on ecosystem-level carbon allocation in two contrasting Amazon forests. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1820-1830.	3.0	11
23	Sap flow, leaf-level gas exchange and spectral responses to drought in Pinus sylvestris, Pinus pinea and Pinus halepensis. IForest, 2017, 10, 204-214.	1.4	11
24	Toward smart manufacturing using decision analytics. , 2014, , .		8
25	Most similar neighbor imputation of forest attributes using metrics derived from combined airborne LIDAR and multispectral sensors. International Journal of Digital Earth, 2018, 11, 1205-1218.	3.9	8
26	Soil fertility and GIS raster models for tropical agroforestry planning in economically depressed and contaminated Caribbean areas (coffee and kidney bean plantations). Agroforestry Systems, 2010, 79, 381-391.	2.0	6
27	Problems of using rockroses in Tuber melanosporum culture: soil and truffle harvest associated with Cistus laurifolius. Agroforestry Systems, 2007, 70, 251-258.	2.0	4
28	Evaluating European Conservation Areas and Proposal of New Zones of Conservation under the Habitats Directive. Application to Spanish Territories. Sustainability, 2019, 11, 398.	3.2	4
29	Impact model of urban development on steppic birds in natura 2000 spaces. Land Use Policy, 2020, 90, 104256.	5.6	4
30	Increasing the use of expert opinion in forest characterisation approaches based on LiDAR data. Annals of Forest Science, 2013, 70, 87-99.	2.0	3
31	Algorithm for improving the co-registration of LiDAR-derived digital canopy height models and field data. Agroforestry Systems, 2013, 87, 967-975.	2.0	3
32	Comparison of estimation methods to obtain ideal distribution of forest tree height. Computers and Electronics in Agriculture, 2014, 108, 191-199.	7.7	3
33	Simulation of overflow thresholds in urban basins: Case study in Tuxtla GutiÃ©rrez, Mexico. River Research and Applications, 2020, 36, 1307-1320.	1.7	3
34	Validation of a Methodology for Confidence-Based Participatory Forest Management. Forests, 2018, 9, 399.	2.1	2
35	Applications of ALS (Airborne Laser Scanning) data to Forest Inventory. Experiences with pine stands from mountainous environments in Spain. IOP Conference Series: Earth and Environmental Science, 2019, 226, 012001.	0.3	1
36	The importance of protected habitats and LiDAR data availability for assessing scenarios of land uses in forest areas. Land Use Policy, 2022, 112, 105859.	5.6	1

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37	Analysis of structure from motion and airborne laser scanning features for the evaluation of forest structure. European Journal of Forest Research, 0, , .	2.5	1
38	Iterative Method of Discriminant Analysis to Classify Beech (Fagus sylvatica L.) Forest. Forests, 2021, 12, 1128.	2.1	0
39	Comparison of two parameter recovery methods for the transformation of Pinus sylvestris yield tables into a diameter distribution model. Annals of Forest Science, 2021, 78, 1.	2.0	0
40	VIRTUAL LEARNING ENVIRONMENTS IN MASTER CLASSES: WEB CONFERENCING. , 2016, , .		0