Danilo Roberti Alves de Almeida

List of Publications by Year
in descending order

53 papers	1,566 citations	304602 22 h-index	330025 37 g-index
54 all docs	54 docs citations	54 times ranked	2199 citing authors

#	Article	IF	Citations
1	Measuring Individual Tree Diameter and Height Using GatorEye High-Density UAV-Lidar in an Integrated Crop-Livestock-Forest System. Remote Sensing, 2020, 12, 863.	1.8	104
2	Individual tree detection and species classification of Amazonian palms using UAV images and deep learning. Forest Ecology and Management, 2020, 475, 118397.	1.4	98
3	Monitoring the structure of forest restoration plantations with a drone-lidar system. International Journal of Applied Earth Observation and Geoinformation, 2019, 79, 192-198.	1.4	81
4	Fake legal logging in the Brazilian Amazon. Science Advances, 2018, 4, eaat1192.	4.7	75
5	Standardizing Ecosystem Morphological Traits from 3D Information Sources. Trends in Ecology and Evolution, 2020, 35, 656-667.	4.2	72
6	The effectiveness of lidar remote sensing for monitoring forest cover attributes and landscape restoration. Forest Ecology and Management, 2019, 438, 34-43.	1.4	70
7	Optimizing the Remote Detection of Tropical Rainforest Structure with Airborne Lidar: Leaf Area Profile Sensitivity to Pulse Density and Spatial Sampling. Remote Sensing, 2019, 11, 92.	1.8	69
8	Emerging threats linking tropical deforestation and the COVID-19 pandemic. Perspectives in Ecology and Conservation, 2020, 18, 243-246.	1.0	65
9	Forest inventory with high-density UAV-Lidar: Machine learning approaches for predicting individual tree attributes. Computers and Electronics in Agriculture, 2020, 179, 105815.	3.7	63
10	Monitoring restored tropical forest diversity and structure through UAV-borne hyperspectral and lidar fusion. Remote Sensing of Environment, 2021, 264, 112582.	4.6	61
11	High diversity mixed plantations of Eucalyptus and native trees: An interface between production and restoration for the tropics. Forest Ecology and Management, 2018, 417, 247-256.	1.4	51
12	Contrasting fire damage and fire susceptibility between seasonally flooded forest and upland forest in the Central Amazon using portable profiling LiDAR. Remote Sensing of Environment, 2016, 184, 153-160.	4.6	49
13	Persistent effects of fragmentation on tropical rainforest canopy structure after 20Âyr of isolation. Ecological Applications, 2019, 29, e01952.	1.8	45
14	F<scp>orest</scp>G<scp>ap</scp>R: An <scp>r</scp> Package for forest gap analysis from canopy height models. Methods in Ecology and Evolution, 2019, 10, 1347-1356.	2.2	45
15	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.	1.2	38
16	Discrimination of taxonomic identity at species, genus and family levels using Fourier Transformed Near-Infrared Spectroscopy (FT-NIR). Forest Ecology and Management, 2017, 406, 219-227.	1.4	38
17	A new era in forest restoration monitoring. Restoration Ecology, 2020, 28, 8-11.	1.4	37
18	Early ecological outcomes of natural regeneration and tree plantations for restoring agricultural landscapes. Ecological Applications, 2018, 28, 373-384.	1.8	35

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19	Fire Damage in Seasonally Flooded and Upland Forests of the Central Amazon. Biotropica, 2014, 46, 643-646.	0.8	32
20	Large scale multi-layer fuel load characterization in tropical savanna using GEDI spaceborne lidar data. Remote Sensing of Environment, 2022, 268, 112764.	4.6	27
21	Resource availability and disturbance shape maximum tree height across the Amazon. Global Change Biology, 2021, 27, 177-189.	4.2	26
22	Towards high throughput assessment of canopy dynamics: The estimation of leaf area structure in Amazonian forests with multitemporal multi-sensor airborne lidar. Remote Sensing of Environment, 2019, 221, 1-13.	4.6	25
23	Aboveground Biomass Estimation in Amazonian Tropical Forests: a Comparison of Aircraft- and GatorEye UAV-borne LiDAR Data in the Chico Mendes Extractive Reserve in Acre, Brazil. Remote Sensing, 2020, 12, 1754.	1.8	25
24	Reframing tropical savannization: linking changes in canopy structure to energy balance alterations that impact climate. Ecosphere, 2020, 11, e03231.	1.0	24
25	Comparison of Statistical Modelling Approaches for Estimating Tropical Forest Aboveground Biomass Stock and Reporting Their Changes in Low-Intensity Logging Areas Using Multi-Temporal LiDAR Data. Remote Sensing, 2020, 12, 1498.	1.8	24
26	Beyond trees: Mapping total aboveground biomass density in the Brazilian savanna using high-density UAV-lidar data. Forest Ecology and Management, 2021, 491, 119155.	1.4	24
27	Combined Impact of Sample Size and Modeling Approaches for Predicting Stem Volume in Eucalyptus spp. Forest Plantations Using Field and LiDAR Data. Remote Sensing, 2020, 12, 1438.	1.8	23
28	Detecting successional changes in tropical forest structure using GatorEye droneâ€borne lidar. Biotropica, 2020, 52, 1155-1167.	0.8	22
29	Individual Tree Attribute Estimation and Uniformity Assessment in Fast-Growing Eucalyptus spp. Forest Plantations Using Lidar and Linear Mixed-Effects Models. Remote Sensing, 2020, 12, 3599.	1.8	21
30	Evaluating observed versus predicted forest biomass: R-squared, index of agreement or maximal information coefficient?. European Journal of Remote Sensing, 2019, 52, 345-358.	1.7	19
31	Ecological outcomes of agroforests and restoration 15â€‰years after planting. Restoration Ecology, 2020, 28, 1135-1144.	1.4	19
32	Nearâ€infrared spectrometry allows fast and extensive predictions of functional traits from dry leaves and branches. Ecological Applications, 2018, 28, 1157-1167.	1.8	18
33	New information for managing Copaifera multijuga Hayne for oleoresin yield. Forest Ecology and Management, 2018, 414, 85-98.	1.4	13
34	Evaluating tropical forest classification and field sampling stratification from lidar to reduce effort and enable landscape monitoring. Forest Ecology and Management, 2020, 457, 117634.	1.4	13
35	Single-Pass UAV-Borne GatorEye LiDAR Sampling as a Rapid Assessment Method for Surveying Forest Structure. Remote Sensing, 2020, 12, 4111.	1.8	13
36	Impacts of selective logging on Amazon forest canopy structure and biomass with a LiDAR and photogrammetric survey sequence. Forest Ecology and Management, 2021, 500, 119648.	1.4	13

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37	High-Density UAV-LiDAR in an Integrated Crop-Livestock-Forest System: Sampling Forest Inventory or Forest Inventory Based on Individual Tree Detection (ITD). Drones, 2022, 6, 48.	2.7	10
38	Postfire Tree Structure from High-Resolution LiDAR and RBR Sentinel 2A Fire Severity Metrics in a Pinus halepensis-Dominated Burned Stand. Remote Sensing, 2020, 12, 3554.	1.8	9
39	Repeatability of the searching process in reviews of restoration outcomes. Restoration Ecology, 2021, 29, e13496.	1.4	9
40	New Allometric Equations to Support Sustainable Plantation Management of Rosewood (Aniba) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.9	8
41	Sequential Management of Commercial Rosewood (Aniba rosaeodora Ducke) Plantations in Central Amazonia: Seeking Sustainable Models for Essential Oil Production. Forests, 2017, 8, 438.	0.9	8
42	Effect of rosewood plantation chronosequence on soil attributes in Central Amazonia. Geoderma, 2020, 357, 113952.	2.3	8
43	Changes in rosewood (Aniba rosaeodora Ducke) essential oil in response to management of commercial plantations in Central Amazonia. Forest Ecology and Management, 2018, 429, 143-157.	1.4	7
44	Multifunctional soil recovery during the restoration of Brazil's Atlantic Forest after bauxite mining. Journal of Applied Ecology, 2022, 59, 2262-2273.	1.9	7
45	Is the methodology used in reviews of restoration outcomes reliable? A systematic map protocol. Ecological Solutions and Evidence, 2020, 1, e12030.	0.8	6
46	Applying High-Resolution UAV-LiDAR and Quantitative Structure Modelling for Estimating Tree Attributes in a Crop-Livestock-Forest System. Land, 2022, 11, 507.	1.2	6
47	A Conceptual Model for Detecting Small-Scale Forest Disturbances Based on Ecosystem Morphological Traits. Remote Sensing, 2022, 14, 933.	1.8	4
48	Assessing the utility of airborne laser scanning derived indicators for tropical forest management. Southern Forests, 2020, 82, 352-358.	0.2	2
49	Light- and nutrient-related relationships in mixed plantations of Eucalyptus and a high diversity of native tree species. New Forests, 2021, 52, 807-828.	0.7	2
50	Monitoring The Brazilian Savanna with lidar and RGB Sensors Onboard Remotely Piloted Aircraft Systems. , 2019, , .		1
51	Fusion of Lidar and Hyperspectral Data from Drones for Ecological Questions: The Gatoreye Atlantic Forest Restoration Case Study. , 2021, , .		1
52	Qualifying the Information Detected from Airborne Laser Scanning to Support Tropical Forest Management Operational Planning. Forests, 2021, 12, 1724.	0.9	1
53	EUCALYPTUS STAND SAMPLE PLOTS COMPARED: FIXED AREA AND FIXED NUMBER OF TREES. Revista Arvore, 2016, 40, 529-533.	0.5	0