

Fernando Del Bon Espã-rito-Santo

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,205
citations

304743

22
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

4913
citing authors

#	ARTICLE	IF	CITATIONS
1	Cropland expansion changes deforestation dynamics in the southern Brazilian Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14637-14641.	7.1	780
2	Estimates of forest canopy height and aboveground biomass using ICESat. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	491
3	Drivers and mechanisms of tree mortality in moist tropical forests. New Phytologist, 2018, 219, 851-869.	7.3	341
4	Regional ecosystem structure and function: ecological insights from remote sensing of tropical forests. Trends in Ecology and Evolution, 2007, 22, 414-423.	8.7	295
5	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. Nature Communications, 2014, 5, 3434.	12.8	169
6	Rapid Assessment of Annual Deforestation in the Brazilian Amazon Using MODIS Data. Earth Interactions, 2005, 9, 1-22.	1.5	98
7	Mapping forest successional stages following deforestation in Brazilian Amazonia using multi-temporal Landsat images. International Journal of Remote Sensing, 2005, 26, 635-642.	2.9	79
8	Drought-induced Amazonian wildfires instigate a decadal-scale disruption of forest carbon dynamics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20180043.	4.0	79
9	Análise das variáveis florísticas e estruturais da comunidade arbórea de um fragmento de floresta semidecídua às margens do rio Capivari, Lavras-MG. Revista Arvore, 2003, 27, 185-206.	0.5	68
10	Quantifying immediate carbon emissions from El Niño-mediated wildfires in humid tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170312.	4.0	64
11	Análise da composição florística e fitossociológica da floresta nacional do Tapajós com o apoio geográfico de imagens de satélites. Acta Amazonica, 2005, 35, 155-173.	0.7	63
12	Landscape pattern and spatial variability of leaf area index in Eastern Amazonia. Forest Ecology and Management, 2005, 211, 240-256.	3.2	57
13	Seeing the forest beyond the trees. Global Ecology and Biogeography, 2015, 24, 606-610.	5.8	56
14	Variáveis ambientais e a distribuição de espécies arbóreas em um remanescente de floresta estacional semidecídua montana no campus da Universidade Federal de Lavras, MG. Acta Botanica Brasilica, 2002, 16, 331-351.	0.8	54
15	Storm intensity and old-growth forest disturbances in the Amazon region. Geophysical Research Letters, 2010, 37, .	4.0	54
16	Assessing the growth and climate sensitivity of secondary forests in highly deforested Amazonian landscapes. Ecology, 2020, 101, e02954.	3.2	51
17	Tracking the impacts of El Niño drought and fire in human-modified Amazonian forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	51
18	Spatial validation of the collection 4 MODIS LAI product in eastern Amazonia. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2526-2534.	6.3	48

#	ARTICLE	IF	CITATIONS
19	Secondary forests offset less than 10% of deforestation-mediated carbon emissions in the Brazilian Amazon. <i>Global Change Biology</i> , 2020, 26, 7006-7020.	9.5	40
20	Canopy area of large trees explains aboveground biomass variations across neotropical forest landscapes. <i>Biogeosciences</i> , 2018, 15, 3377-3390.	3.3	32
21	Woody Aboveground Biomass Mapping of the Brazilian Savanna with a Multi-Sensor and Machine Learning Approach. <i>Remote Sensing</i> , 2020, 12, 2685.	4.0	32
22	Estimating the multi-decadal carbon deficit of burned Amazonian forests. <i>Environmental Research Letters</i> , 2020, 15, 114023.	5.2	32
23	Gap formation and carbon cycling in the Brazilian Amazon: measurement using high-resolution optical remote sensing and studies in large forest plots. <i>Plant Ecology and Diversity</i> , 2014, 7, 305-318.	2.4	24
24	Old-growth forest loss and secondary forest recovery across Amazonian countries. <i>Environmental Research Letters</i> , 2021, 16, 085009.	5.2	22
25	Seasonality of vegetation types of South America depicted by moderate resolution imaging spectroradiometer (MODIS) time series. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 69, 148-163.	2.8	19
26	Carbon Dynamics in a Human-Modified Tropical Forest: A Case Study Using Multi-Temporal LiDAR Data. <i>Remote Sensing</i> , 2020, 12, 430.	4.0	15
27	Evaluating spatial coverage of data on the aboveground biomass in undisturbed forests in the Brazilian Amazon. <i>Carbon Balance and Management</i> , 2019, 14, 11.	3.2	14
28	Pre-stratified modelling plus residuals kriging reduces the uncertainty of aboveground biomass estimation and spatial distribution in heterogeneous savannas and forest environments. <i>Forest Ecology and Management</i> , 2019, 445, 96-109.	3.2	14
29	Near Real-Time Change Detection System Using Sentinel-2 and Machine Learning: A Test for Mexican and Colombian Forests. <i>Remote Sensing</i> , 2022, 14, 707.	4.0	14
30	Reducing the effects of vegetation phenology on change detection in tropical seasonal biomes. <i>GIScience and Remote Sensing</i> , 2019, 56, 699-717.	5.9	12
31	Drivers of metacommunity structure diverge for common and rare Amazonian tree species. <i>PLoS ONE</i> , 2017, 12, e0188300.	2.5	10
32	Estimation of coarse dead wood stocks in intact and degraded forests in the Brazilian Amazon using airborne lidar. <i>Biogeosciences</i> , 2019, 16, 3457-3474.	3.3	8
33	Validação do mapeamento de uma área de floresta tropical com o uso imagens de videografia aérea e dados de levantamento de campo. <i>Revista Arvore</i> , 2005, 29, 227-239.	0.5	6
34	Correction to "Estimates of forest canopy height and aboveground biomass using ICESat". <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	5
35	Técnicas de processamento de imagens e de análise espacial para estudo de áreas florestais sob a exploração madeireira. <i>Revista Arvore</i> , 2004, 28, 699-706.	0.5	2
36	Spectral signature of leaves of amazon rainforest tree species. , 2010, , .		2

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37	Correction to "Spatial Validation of the Collection 4 MODIS LAI Product in Eastern Amazonia". IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2973-2973.	6.3	0