G Arturo SÃ¡nchez-Azofeifa

List of Publications by Year
in descending order

195 papers	13,330 citations	28274 55 h-index	26613 107 g-index
200 all docs	200 docs citations	200 times ranked	13116 citing authors

#	Article	IF	Citations
1	Widespread amphibian extinctions from epidemic disease driven by global warming. Nature, 2006, 439, 161-167.	27.8	1,420
2	Measuring the effectiveness of protected area networks in reducing deforestation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16089-16094.	7.1	763
3	Biomass resilience of Neotropical secondary forests. Nature, 2016, 530, 211-214.	27.8	763
4	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. Science Advances, 2016, 2, e1501639.	10.3	423
5	Extent and conservation of tropical dry forests in the Americas. Biological Conservation, 2010, 143, 144-155.	4.1	394
6	COUNTRYSIDE BIOGEOGRAPHY: USE OF HUMAN-DOMINATED HABITATS BY THE AVIFAUNA OF SOUTHERN COSTA RICA. , 2001, 11, 1-13.		354
7	Countryside Biogeography of Neotropical Mammals: Conservation Opportunities in Agricultural Landscapes of Costa Rica. Conservation Biology, 2003, 17, 1814-1826.	4.7	313
8	Biodiversity recovery of Neotropical secondary forests. Science Advances, 2019, 5, eaau3114.	10.3	291
9	Succession and management of tropical dry forests in the Americas: Review and new perspectives. Forest Ecology and Management, 2009, 258, 1014-1024.	3.2	260
10	Research Priorities for Neotropical Dry Forests¹. Biotropica, 2005, 37, 477-485.	1.6	248
11	Costa Rica's Payment for Environmental Services Program: Intention, Implementation, and Impact. Conservation Biology, 2007, 21, 1165-1173.	4.7	245
12	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. Water Resources Research, 2020, 56, e2019WR026058.	4.2	220
13	Spectroscopic determination of leaf water content using continuous wavelet analysis. Remote Sensing of Environment, 2011, 115, 659-670.	11.0	210
14	Using phenocams to monitor our changing Earth: toward a global phenocam network. Frontiers in Ecology and the Environment, 2016, 14, 84-93.	4.0	197
15	Research Priorities for Neotropical Dry Forests1. Biotropica, 2005, 37, 477-485.	1.6	188
16	Species composition, similarity and diversity in three successional stages of a seasonally dry tropical forest. Forest Ecology and Management, 2004, 200, 227-247.	3.2	185
17	Intra- and inter-class spectral variability of tropical tree species at La Selva, Costa Rica: Implications for species identification using HYDICE imagery. Remote Sensing of Environment, 2006, 105, 129-141.	11.0	181
18	Integrity and isolation of Costa Rica's national parks and biological reserves: examining the dynamics of land-cover change. Biological Conservation, 2003, 109, 123-135.	4.1	178

#	Article	IF	Citations
19	Variability in leaf optical properties of Mesoamerican trees and the potential for species classification. American Journal of Botany, 2006, 93, 517-530.	1.7	162
20	Continuous wavelet analysis for the detection of green attack damage due to mountain pine beetle infestation. Remote Sensing of Environment, 2010, 114, 899-910.	11.0	141
21	Continuous wavelets for the improved use of spectral libraries and hyperspectral data. Remote Sensing of Environment, 2008, 112, 2850-2862.	11.0	135
22	Discrimination of lianas and trees with leaf-level hyperspectral data. Remote Sensing of Environment, 2004, 90, 353-372.	11.0	128
23	Dynamics in landscape structure and composition for the Chorotega region, Costa Rica from 1960 to 2000. Agriculture, Ecosystems and Environment, 2005, 106, 27-39.	5.3	125
24	Deforestation in Costa Rica: A Quantitative Analysis Using Remote Sensing Imagery1. Biotropica, 2001, 33, 378-384.	1.6	121
25	Deforestation and forest restoration in Guanacaste, Costa Rica: Putting conservation policies in context. Forest Ecology and Management, 2009, 258, 931-940.	3.2	121
26	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. Nature Ecology and Evolution, 2019, 3, 928-934.	7.8	120
27	Mitigation needs adaptation: Tropical forestry and climate change. Mitigation and Adaptation Strategies for Global Change, 2008, 13, 793-808.	2.1	113
28	Ecological fingerprinting of ecosystem succession: Estimating secondary tropical dry forest structure and diversity using imaging spectroscopy. Remote Sensing of Environment, 2007, 108, 82-96.	11.0	110
29	Hyperspectral discrimination of tropical dry forest lianas and trees: Comparative data reduction approaches at the leaf and canopy levels. Remote Sensing of Environment, 2007, 109, 406-415.	11.0	110
30	Differences in leaf traits, leaf internal structure, and spectral reflectance between two communities of lianas and trees: Implications for remote sensing in tropical environments. Remote Sensing of Environment, 2009, 113, 2076-2088.	11.0	110
31	Legume abundance along successional and rainfall gradients in Neotropical forests. Nature Ecology and Evolution, 2018, 2, 1104-1111.	7.8	107
32	Deriving leaf mass per area (LMA) from foliar reflectance across a variety of plant species using continuous wavelet analysis. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 87, 28-38.	11.1	101
33	Need for Integrated Research for a Sustainable Future in Tropical Dry Forests. Conservation Biology, 2005, 19, 285-286.	4.7	100
34	Comparison of spectral indices obtained using multiple spectroradiometers. Remote Sensing of Environment, 2006, 103, 276-288.	11.0	92
35	Secondary Forest Detection in a Neotropical Dry Forest Landscape Using Landsat 7 ETM+ and IKONOS Imagery1. Biotropica, 2005, 37, 497-507.	1.6	90
36	The role of tropical dry forests for biodiversity, carbon and water conservation in the neotropics: lessons learned and opportunities for its sustainable management. Regional Environmental Change, 2015, 15, 1039-1049.	2.9	90

#	Article	IF	Citations
37	Foliar spectral properties following leaf clipping and implications for handling techniques. Remote Sensing of Environment, 2006, 103, 265-275.	11.0	89
38	POVERTY AND CORRUPTION COMPROMISE TROPICAL FOREST RESERVES. , 2007, 17, 1259-1266.		89
39	Protected Areas and Conservation of Biodiversity in the Tropics. Conservation Biology, 1999, 13, 407-411.	4.7	88
40	Predicting leaf gravimetric water content from foliar reflectance across a range of plant species using continuous wavelet analysis. Journal of Plant Physiology, 2012, 169, 1134-1142.	3.5	86
41	Simplified atmospheric radiative transfer modelling for estimating incident PAR using MODIS atmosphere products. Remote Sensing of Environment, 2004, 91, 98-113.	11.0	83
42	The effect of seasonal spectral variation on species classification in the Panamanian tropical forest. Remote Sensing of Environment, 2012, 118, 73-82.	11.0	83
43	Functional regeneration and spectral reflectance of trees during succession in a highly diverse tropical dry forest ecosystem. American Journal of Botany, 2012, 99, 816-826.	1.7	83
44	Remote sensing and forest inventory for wildlife habitat assessment. Forest Ecology and Management, 2009, 257, 2262-2269.	3.2	82
45	Changes in Spectral Properties, Chlorophyll Content and Internal Mesophyll Structure of Senescing Populus balsamifera and Populus tremuloides Leaves. Sensors, 2008, 8, 51-69.	3.8	81
46	Land cover and conservation in the area of influence of the Chamela-Cuixmala Biosphere Reserve, Mexico. Forest Ecology and Management, 2009, 258, 907-912.	3.2	81
47	Relationships between endophyte diversity and leaf optical properties. Trees - Structure and Function, 2012, 26, 291-299.	1.9	81
48	Effects of Season and Successional Stage on Leaf Area Index and Spectral Vegetation Indices in Three Mesoamerican Tropical Dry Forests1. Biotropica, 2005, 37, 486-496.	1.6	80
49	The Kyoto protocol and payments for tropical forest:. Ecological Economics, 2000, 35, 203-221.	5.7	78
50	Local and Landscape Factors Determining Occurrence of Phyllostomid Bats in Tropical Secondary Forests. PLoS ONE, 2012, 7, e35228.	2.5	78
51	Derivative spectral unmixing of hyperspectral data applied to mixtures of lichen and rock. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1934-1940.	6.3	75
52	Satellite Remote Sensing of Land Use Changes in and around San JosÃ©, Costa Rica. Remote Sensing of Environment, 1999, 70, 247-256.	11.0	73
53	Dynamics of Tropical Deforestation Around National Parks: Remote Sensing of Forest Change on the Osa Peninsula of Costa Rica. Mountain Research and Development, 2002, 22, 352-358.	1.0	63
54	Mapping PAR using MODIS atmosphere products. Remote Sensing of Environment, 2005, 94, 554-563.	11.0	63

#	Article	IF	Citations
55	Estimation of the Distribution of Tabebuia guayacan (Bignoniaceae) Using High-Resolution Remote Sensing Imagery. Sensors, 2011, 11, 3831-3851.	3.8	62
56	Spectral unmixing of normalized reflectance data for the deconvolution of lichen and rock mixtures. Remote Sensing of Environment, 2005, 95, 57-66.	11.0	61
57	Leaf area index measurements in a tropical moist forest: A case study from Costa Rica. Remote Sensing of Environment, 2004, 91, 134-152.	11.0	58
58	Spectral properties of foliose and crustose lichens based on laboratory experiments. Remote Sensing of Environment, 2002, 82, 389-396.	11.0	56
59	Canopy Herbivory and Insect Herbivore Diversity in a Dry Forestâ€“Savanna Transition in Brazil. Biotropica, 2010, 42, 112-118.	1.6	56
60	On Line Validation Exercise (OLIVE): A Web Based Service for the Validation of Medium Resolution Land Products. Application to FAPAR Products. Remote Sensing, 2014, 6, 4190-4216.	4.0	56
61	Park Location Affects Forest Protection: Land Characteristics Cause Differences in Park Impacts across Costa Rica. B E Journal of Economic Analysis and Policy, 2009, 9, .	0.9	55
62	Deforestation pressure and biological reserve planning: a conceptual approach and an illustrative application for Costa Rica. Resources and Energy Economics, 2004, 26, 237-254.	2.5	54
63	Estimating leaf area index from satellite imagery using Bayesian networks. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1866-1873.	6.3	54
64	Post-Frontier Forest Change Adjacent to Braulio Carrillo National Park, Costa Rica. Human Ecology, 2006, 34, 407-431.	1.4	54
65	Tree Species Composition, Breeding Systems, and Pollination and Dispersal Syndromes in Three Forest Successional Stages in a Tropical Dry Forest in Mesoamerica. Tropical Conservation Science, 2015, 8, 76-94.	1.2	54
66	Inferring sedimentary chlorophyll concentrations with reflectance spectroscopy: a novel approach to reconstructing historical changes in the trophic status of mountain lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 1067-1078.	1.4	53
67	Estimating Forest Biomass Dynamics by Integrating Multi-Temporal Landsat Satellite Images with Ground and Airborne LiDAR Data in the Coal Valley Mine, Alberta, Canada. Remote Sensing, 2015, 7, 2832-2849.	4.0	51
68	Tropical Dry Forest Diversity, Climatic Response, and Resilience in a Changing Climate. Forests, 2019, 10, 443.	2.1	51
69	Successional and Seasonal Changes in a Community of Dung Beetles (Coleoptera: Scarabaeinae) in a Brazilian Tropical Dry Forest. Natureza A Conservacao, 2010, 08, 160-164.	2.5	51
70	The Application of Remote Sensing for Detecting Mass Graves: An Experimental Animal Case Study from Costa Rica*. Journal of Forensic Sciences, 2009, 54, 159-166.	1.6	50
71	Sustainability of tropical dry forests: Two case studies in southeastern and central Brazil. Forest Ecology and Management, 2009, 258, 922-930.	3.2	50
72	Will buying tropical forest carbon benefit the poor? Evidence from Costa Rica. Land Use Policy, 2007, 24, 600-610.	5.6	47

#	Article	IF	Citations
73	Radiometric calibration assessments for UAS-borne multispectral cameras: Laboratory and field protocols. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 149, 132-145.	11.1	46
74	Contribution of lianas to plant area index and canopy structure in a Panamanian forest. Ecology, 2016, 97, 3271-3277.	3.2	45
75	Effect of drought on productivity in a Costa Rican tropical dry forest. Environmental Research Letters, 2018, 13, 045001.	5.2	45
76	Gall inducing arthropods from a seasonally dry tropical forest in Serra do CipÃ³, Brazil. Revista Brasileira De Entomologia, 2009, 53, 404-414.	0.4	44
77	Patterns of Leaf Biochemical and Structural Properties of Cerrado Life Forms: Implications for Remote Sensing. PLoS ONE, 2015, 10, e0117659.	2.5	44
78	Estimation of aboveground net primary productivity in secondary tropical dry forests using the Carnegieâ€“Amesâ€“Stanford approach (CASA) model. Environmental Research Letters, 2016, 11, 075004.	5.2	44
79	Trends in land cover change and isolation of protected areas at the interface of the southern boreal mixedwood and aspen parkland in Alberta, Canada. Forest Ecology and Management, 2006, 230, 151-161.	3.2	41
80	Twentyâ€first century remote sensing technologies are revolutionizing the study of tropical forests. Biotropica, 2017, 49, 604-619.	1.6	41
81	Litterfall dynamics along a successional gradient in a Brazilian tropical dry forest. Forest Ecosystems, 2019, 6, .	3.1	41
82	Monitoring carbon stocks in the tropics and the remote sensing operational limitations: from local to regional projects. Ecological Applications, 2009, 19, 480-494.	3.8	40
83	Insect outbreaks produce distinctive carbon isotope signatures in defensive resins and fossiliferous ambers. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 3219-3224.	2.6	40
84	Tropical dry forest succession and the contribution of lianas to wood area index (WAI). Forest Ecology and Management, 2009, 258, 941-948.	3.2	38
85	Classification of tree species based on longwave hyperspectral data from leaves, a case study for a tropical dry forest. International Journal of Applied Earth Observation and Geoinformation, 2018, 66, 93-105.	2.8	38
86	Deforestation in Costa Rica: A Quantitative Analysis Using Remote Sensing Imagery1. Biotropica, 2001, 33, 378.	1.6	36
87	Species Classification of Tropical Tree Leaf Reflectance and Dependence on Selection of Spectral Bands. , 2008, , 141-159.		36
88	The topographic normalization of hyperspectral data: implications for the selection of spectral end members and lithologic mapping. Remote Sensing of Environment, 2003, 85, 221-231.	11.0	35
89	The relative importance of climate, stand variables and liana abundance for carbon storage in tropical forests. Global Ecology and Biogeography, 2015, 24, 939-949.	5.8	35
90	Comparing MODIS and near-surface vegetation indexes for monitoring tropical dry forest phenology along a successional gradient using optical phenology towers. Environmental Research Letters, 2017, 12, 105007.	5.2	35

#	Article	IF	Citations
91	Extent and Drivers of Change of Neotropical Seasonally Dry Tropical Forests. , 2011, , 45-57.		34
92	A relict species restricted to a quartzitic mountain in tropical America: an example of microrefugium?. Acta Botanica Brasilica, 2015, 29, 299-309.	0.8	34
93	Functional recovery of secondary tropical forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
94	LIDAR remote sensing for secondary Tropical Dry Forest identification. Remote Sensing of Environment, 2012, 121, 132-143.	11.0	33
95	Assessing the accuracy of detected breaks in Landsat time series as predictors of small scale deforestation in tropical dry forests of Mexico and Costa Rica. Remote Sensing of Environment, 2019, 221, 707-721.	11.0	32
96	Progress and opportunities for monitoring greenhouse gases fluxes in Mexican ecosystems: the MexFlux network. Atmosfera, 2013, 26, 325-336.	0.8	31
97	Mapping tropical dry forest succession using multiple criteria spectral mixture analysis. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 109, 17-29.	11.1	30
98	Assessing ecosystem services in Neotropical dry forests: a systematic review. Environmental Conservation, 2017, 44, 34-43.	1.3	30
99	Canopy observations on the hyperspectral properties of a community of tropical dry forest lianas and their host trees. International Journal of Remote Sensing, 2006, 27, 2101-2109.	2.9	29
100	Effect of Soil Type on Plant Growth Leaf Nutrient/Chlorophyll Concentration, and Leaf Reflectance of Tropical Tree and Grass Species. , 2008, , 87-123.		29
101	Delineation of secondary succession mechanisms for tropical dry forests using LiDAR. Remote Sensing of Environment, 2011, 115, 2217-2231.	11.0	28
102	The longwave infrared (3â€“14Î¼m) spectral properties of rock encrusting lichens based on laboratory spectra and airborne SEBASS imagery. Remote Sensing of Environment, 2013, 131, 173-181.	11.0	28
103	Can terrestrial laser scanners (TLSs) and hemispherical photographs predict tropical dry forest succession with liana abundance?. Biogeosciences, 2017, 14, 977-988.	3.3	28
104	Discrimination of liana and tree leaves from a Neotropical Dry Forest using visible-near infrared and longwave infrared reflectance spectra. Remote Sensing of Environment, 2018, 219, 135-144.	11.0	26
105	Ecology and regeneration of tropical dry forests in the Americas: Implications for management. Forest Ecology and Management, 2009, 258, 903-906.	3.2	25
106	Hail impact on leaves and endophytes of the endemic threatened Coccoloba cereifera (Polygonaceae). Plant Ecology, 2011, 212, 1687-1697.	1.6	24
107	UAV-based partially sampling system for rapid NDVI mapping in the evaluation of rice nitrogen use efficiency. Journal of Cleaner Production, 2021, 289, 125705.	9.3	23
108	Focus on deforestation: zooming in on hot spots in highly fragmented ecosystems in Costa Rica. Agriculture, Ecosystems and Environment, 2004, 102, 3-15.	5.3	22

#	Article	IF	Citations
109	Quantifying tropical dry forest succession in the Americas using CHRIS/PROBA. Remote Sensing of Environment, 2014, 144, 120-136.	11.0	22
110	Tropical Dry Forests in the Americas. , 2013, , 1-15.		20
111	Phyllostomid Bat Occurrence in Successional Stages of Neotropical Dry Forests. PLoS ONE, 2014, 9, e84572.	2.5	20
112	Using VEGNET In-Situ Monitoring LiDAR (IML) to Capture Dynamics of Plant Area Index, Structure and Phenology in Aspen Parkland Forests in Alberta, Canada. Forests, 2014, 5, 1053-1068.	2.1	20
113	Validation of Sentinel-2 fAPAR products using ground observations across three forest ecosystems. Remote Sensing of Environment, 2019, 232, 111310.	11.0	20
114	Global warming and amphibian losses; The proximate cause of frog declines? (Reply). Nature, 2007, 447, E5-E6.	27.8	19
115	On the relationship of fractal geometry and treeâ€“stand metrics on point clouds derived from terrestrial laser scanning. Methods in Ecology and Evolution, 2020, 11, 1309-1318.	5.2	19
116	Identifying tropical dry forests extent and succession via the use of machine learning techniques. International Journal of Applied Earth Observation and Geoinformation, 2017, 63, 196-205.	2.8	18
117	Deforestation and secondary growth in Costa Rica along the path of development. Regional Environmental Change, 2019, 19, 587-597.	2.9	18
118	Land Use and Cover Change in Costa Rica. , 2000, , 473-501.		17
119	Monitoring deforestation with MODIS Active Fires in Neotropical dry forests: An analysis of local-scale assessments in Mexico, Brazil and Bolivia. Journal of Arid Environments, 2013, 97, 150-159.	2.4	17
120	Focus on tropical dry forest ecosystems and ecosystem services in the face of global change. Environmental Research Letters, 2018, 13, 090201.	5.2	17
121	Modeling seasonal surface temperature variations in secondary tropical dry forests. International Journal of Applied Earth Observation and Geoinformation, 2017, 62, 122-134.	2.8	16
122	Assessing the Operation Parameters of a Low-altitude UAV for the Collection of NDVI Values Over a Paddy Rice Field. Remote Sensing, 2020, 12, 1850.	4.0	16
123	Enviro-Net: From Networks of Ground-Based Sensor Systems to a Web Platform for Sensor Data Management. Sensors, 2011, 11, 6454-6479.	3.8	15
124	Capability of Spaceborne Hyperspectral EnMAP Mission for Mapping Fractional Cover for Soil Erosion Modeling. Remote Sensing, 2015, 7, 11776-11800.	4.0	15
125	Land cover dynamics in Osa Region, Costa Rica: secondary forest is here to stay. Regional Environmental Change, 2015, 15, 1461-1472.	2.9	15
126	On the estimation of tree mortality and liana infestation using a deep self-encoding network. International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 1-13.	2.8	14

#	Article	IF	Citations
127	Crop Loss Evaluation Using Digital Surface Models from Unmanned Aerial Vehicles Data. Remote Sensing, 2020, 12, 981.	4.0	14
128	Evaluating the utility of various drought indices to monitor meteorological drought in Tropical Dry Forests. International Journal of Biometeorology, 2020, 64, 701-711.	3.0	14
129	Dynamics of Carbon Accumulation in Tropical Dry Forests under Climate Change Extremes. Forests, 2021, 12, 106.	2.1	14
130	Water Resources and Regional Land Cover Change in Costa Rica: Impacts and Economics. International Journal of Water Resources Development, 2002, 18, 409-424.	2.0	12
131	Component optimization for image understanding: a Bayesian approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 684-693.	13.9	12
132	Mapping Tropical Dry Forest Succession With CHRIS/PROBA Hyperspectral Images Using Nonparametric Decision Trees. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3081-3094.	4.9	12
133	Assessing the variability and uncertainty of two-flux FAPAR measurements in a conifer-dominated forest. Agricultural and Forest Meteorology, 2019, 264, 149-163.	4.8	12
134	Spatial Estimation of the Latent Heat Flux in a Tropical Dry Forest by Using Unmanned Aerial Vehicles. Forests, 2020, 11, 604.	2.1	12
135	Reduced ecosystem resilience quantifies fineâ€scale heterogeneity in tropical forest mortality responses to drought. Global Change Biology, 2022, 28, 2081-2094.	9.5	12
136	Fuzzy power management for environmental monitoring systems in tropical regions. , 2014, , .		11
137	The Edmonton-Calgary corridor: Simulating future land cover change under potential government intervention. Land Use Policy, 2017, 63, 356-368.	5.6	11
138	Lianas Abundance is Positively Related with the Avian Acoustic Community in Tropical Dry Forests. Forests, 2017, 8, 311.	2.1	11
139	Integrating proximal broad-band vegetation indices and carbon fluxes to model gross primary productivity in a tropical dry forest. Environmental Research Letters, 2018, 13, 065017.	5.2	11
140	Mapping tropical dry forest age using airborne waveform LiDAR and hyperspectral metrics. International Journal of Applied Earth Observation and Geoinformation, 2019, 83, 101908.	2.8	11
141	Climate change scenarios and projected impacts for forest productivity in Guanacaste Province (Costa Rica): lessons for tropical forest regions. Regional Environmental Change, 2020, 20, 1.	2.9	11
142	Simulating Deforestation in Minas Gerais, Brazil, under Changing Government Policies and Socioeconomic Conditions. PLoS ONE, 2015, 10, e0137911.	2.5	11
143	Liana optical traits increase tropical forest albedo and reduce ecosystem productivity. Global Change Biology, 2022, 28, 227-244.	9.5	10
144	Factors associated with long-term changes in distribution of black-tailed prairie dogs in northwestern Mexico. Biological Conservation, 2012, 145, 54-61.	4.1	9

#	Article	IF	Citations
145	Analysis of Time Scale Influences on Water and Soil Conservation Effects for Trees on Experimental Plots Using Vegetation Fractional Coverage. Forest Science, 2015, 61, 67-75.	1.0	9
146	Predictability of leaf area index using vegetation indices from multiangular CHRIS/PROBA data over eastern China. Journal of Applied Remote Sensing, 2015, 9, 096085.	1.3	9
147	Quantifying Changes on Forest Succession in a Dry Tropical Forest Using Angular-Hyperspectral Remote Sensing. Remote Sensing, 2018, 10, 1865.	4.0	9
148	MODIS and PROBA-V NDVI Products Differ when Compared with Observations from Phenological Towers at Four Tropical Dry Forests in the Americas. Remote Sensing, 2019, 11, 2316.	4.0	9
149	Canopy Temperature Differences between Liana-Infested and Non-Liana Infested Areas in a Neotropical Dry Forest. Forests, 2019, 10, 890.	2.1	9
150	Biophysical and Socioeconomic Factors Associated to Deforestation and Forest Recovery in Brazilian Tropical Dry Forests. Frontiers in Forests and Global Change, 2020, 3, .	2.3	9
151	Integration of remote-sensing based metrics and econometric models to assess the socio-economic contributions of carbon sequestration in unmanaged tropical dry forests. Environmental and Sustainability Indicators, 2021, 9, 100100.	3.3	9
152	Seasonality and Budgets of Soil Greenhouse Gas Emissions From a Tropical Dry Forest Successional Gradient in Costa Rica. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005647.	3.0	8
153	Prediction of leaf traits of lianas and trees via the integration of wavelet spectra in the visible-near infrared and thermal infrared domains. Remote Sensing of Environment, 2021, 259, 112406.	11.0	8
154	Using TLS-Measured Tree Attributes to Estimate Aboveground Biomass in Small Black Spruce Trees. Forests, 2021, 12, 1521.	2.1	8
155	A Deep Learning Time Series Approach for Leaf and Wood Classification from Terrestrial LiDAR Point Clouds. Remote Sensing, 2022, 14, 3157.	4.0	8
156	Improved Forest Cover Classification in an Industrialized Mountain Area in Japan. Mountain Research and Development, 2005, 25, 349-356.	1.0	7
157	Turbulence scales for eddy covariance quality control over a tropical dry forest in complex terrain. Agricultural and Forest Meteorology, 2018, 249, 390-406.	4.8	7
158	Tropical dry forest resilience and water use efficiency: an analysis of productivity under climate change. Environmental Research Letters, 2021, 16, 054027.	5.2	7
159	Satellite-based observations of the green depressing cropping system in a farming-pastoral ecotone of northern China. International Journal of Applied Earth Observation and Geoinformation, 2021, 98, 102312.	2.8	7
160	Cloud Cover throughout All the Paddy Rice Fields in Guangdong, China: Impacts on Sentinel 2 MSI and Landsat 8 OLI Optical Observations. Remote Sensing, 2021, 13, 2961.	4.0	7
161	Effects of Topography on the Radiometry of CHRIS/PROBA Images of Successional Stages Within Tropical Dry Forests. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1584-1595.	4.9	6
162	Differences in Leaf Temperature between Lianas and Trees in the Neotropical Canopy. Forests, 2018, 9, 307.	2.1	6

#	Article	IF	Citations
163	Calculation of leaf area index in a Canadian boreal forest using adaptive voxelization and terrestrial LiDAR. International Journal of Applied Earth Observation and Geoinformation, 2019, 83, 101923.	2.8	6
164	The long-wave infrared (8-12 Î¼m) spectral features of selected rare earth elementâ€"Bearing carbonate, phosphate and silicate minerals. International Journal of Applied Earth Observation and Geoinformation, 2019, 76, 77-83.	2.8	6
165	Unmanned Aerial System and Machine Learning Techniques Help to Detect Dead Woody Components in a Tropical Dry Forest. Forests, 2020, 11, 827.	2.1	6
166	Accuracy assessment on the number of flux terms needed to estimate in situ fAPAR. International Journal of Applied Earth Observation and Geoinformation, 2020, 88, 102061.	2.8	6
167	Assessing the Temporal Response of Tropical Dry Forests to Meteorological Drought. Remote Sensing, 2020, 12, 2341.	4.0	5
168	Intra- and interspecific variations on plant functional traits along a successional gradient in a Brazilian tropical dry forest. Flora: Morphology, Distribution, Functional Ecology of Plants, 2021, 279, 151815.	1.2	5
169	Can we increase the impacts from payments for ecosystem services? Impact rose over time in Costa Rica, yet spatial variation indicates more potential. Forest Policy and Economics, 2021, 132, 102577.	3.4	5
170	Satelliteâ€derived ecosystems classification: image segmentation by ecological region for improved classification accuracy, a boreal case study. International Journal of Remote Sensing, 2006, 27, 233-251.	2.9	4
171	Neotropical Seasonally Dry Forests. , 2013, , 488-500.		4
172	Testing of Automated Photochemical Reflectance Index Sensors as Proxy Measurements of Light Use Efficiency in an Aspen Forest. Sensors, 2018, 18, 3302.	3.8	4
173	Bird Assemblage Recovery in a Chronosequence of Tropical Dry Forests in Costa Rica. Forests, 2020, 11, 629.	2.1	4
174	Identification of spectral features in the longwave infrared (LWIR) spectra of leaves for the discrimination of tropical dry forest tree species. International Journal of Applied Earth Observation and Geoinformation, 2021, 97, 102286.	2.8	4
175	Hyperspectral and Full-Waveform LiDAR Improve Mapping of Tropical Dry Forestâ€™s Successional Stages. Remote Sensing, 2021, 13, 3830.	4.0	4
176	Sustainability of Costa Ricaâ€™s water supply under climate change scenarios. Environmental Science and Policy, 2022, 136, 67-77.	4.9	4
177	Estimating spatial interactions in deforestation decisions. , 2001, , 92-114.		3
178	Using visible-near-infrared spectroscopy to classify lichens at a Neotropical Dry Forest. Ecological Indicators, 2020, 111, 105999.	6.3	3
179	Predicting RF path loss in forests using satellite measurements of vegetation indices. , 2014, , .		2
180	Seasonal wireless sensor network link performance in boreal forest phenology monitoring. , 2014, , .		2

#	Article	IF	Citations
181	Improved collaborative representation model with multitask learning using spatial support for target detection in hyperspectral imagery. Journal of Applied Remote Sensing, 2016, 10, 016009.	1.3	2
182	Monitoring the Water Stress of an Indoor Living Wall System Using the â€œTriangle Methodâ€• Sensors, 2020, 20, 3261.	3.8	2
183	Assessment of the response of tropical dry forests to El NiÃ±o southern oscillation. Ecological Indicators, 2021, 133, 108390.	6.3	2
184	Fractional Vegetation Cover Derived from UAV and Sentinel-2 Imagery as a Proxy for In Situ FAPAR in a Dense Mixed-Coniferous Forest?. Remote Sensing, 2022, 14, 380.	4.0	2
185	Spectroscopic determination of leaf water content using continuous wavelet analysis. , 2010, , .		1
186	A new approach to calculate Plant Area Density (PAD) using 3D ground-based lidar. Proceedings of SPIE, 2016, , .	0.8	1
187	Leaf Anatomical Traits of Lianas and Trees at the Canopy of Two Contrasting Lowland Tropical Forests in the Context of Leaf Economic Spectrum. Frontiers in Forests and Global Change, 2021, 4, .	2.3	1
188	Tropical Dry Climates. , 2013, , 157-171.		1
189	Evaluating the Farmland Use Intensity and Its Patterns in a Farmingâ€"Pastoral Ecotone of Northern China. Remote Sensing, 2021, 13, 4304.	4.0	1
190	Successional and Intraspecific Variations in Leaf Traits, Spectral Reflectance Indices and Herbivory in a Brazilian Tropical Dry Forest. Frontiers in Forests and Global Change, 2021, 4, .	2.3	1
191	Implications of interpreting tropical dry forest succession after radiometric correction of Chris/Proba images. , 2012, , .		0
192	Optical wireless sensor networks observe leaf phenology and photosynthetic radiation interception in a Brazilian tropical dry forest. , 2012, , .		0
193	El renacimiento del monitoreo ambiental dentro de nuevos paradigmas cientÃficos y operacionales. Ciencias Ambientales, 2017, 51, 215-221.	0.3	0
194	Poisson Surface Reconstruction from LIDAR for Buttress Root Volume Estimation. Lecture Notes in Computer Science, 2020, , 463-471.	1.3	0
195	Calibration of Co-Located Identical PAR Sensors Using Wireless Sensor Networks and Characterization of the In Situ fPAR Variability in a Tropical Dry Forest. Remote Sensing, 2022, 14, 2752.	4.0	0