

# Julio Cesar Calvo-Alvarado

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,753  
citations

201674

27  
h-index

214800

47  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Succession and management of tropical dry forests in the Americas: Review and new perspectives. <i>Forest Ecology and Management</i> , 2009, 258, 1014-1024.	3.2	260
2	Research Priorities for Neotropical Dry Forests. <i>Biotropica</i> , 2005, 37, 477-485.	1.6	248
3	Research Priorities for Neotropical Dry Forests1. <i>Biotropica</i> , 2005, 37, 477-485.	1.6	188
4	Species composition, similarity and diversity in three successional stages of a seasonally dry tropical forest. <i>Forest Ecology and Management</i> , 2004, 200, 227-247.	3.2	185
5	A catastrophic tropical drought kills hydraulically vulnerable tree species. <i>Global Change Biology</i> , 2020, 26, 3122-3133.	9.5	132
6	Dynamics in landscape structure and composition for the Chorotega region, Costa Rica from 1960 to 2000. <i>Agriculture, Ecosystems and Environment</i> , 2005, 106, 27-39.	5.3	125
7	Deforestation and forest restoration in Guanacaste, Costa Rica: Putting conservation policies in context. <i>Forest Ecology and Management</i> , 2009, 258, 931-940.	3.2	121
8	Ecological fingerprinting of ecosystem succession: Estimating secondary tropical dry forest structure and diversity using imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2007, 108, 82-96.	11.0	110
9	Need for Integrated Research for a Sustainable Future in Tropical Dry Forests. <i>Conservation Biology</i> , 2005, 19, 285-286.	4.7	100
10	Secondary Forest Detection in a Neotropical Dry Forest Landscape Using Landsat 7 ETM+ and IKONOS Imagery1. <i>Biotropica</i> , 2005, 37, 497-507.	1.6	90
11	The role of tropical dry forests for biodiversity, carbon and water conservation in the neotropics: lessons learned and opportunities for its sustainable management. <i>Regional Environmental Change</i> , 2015, 15, 1039-1049.	2.9	90
12	Foliar spectral properties following leaf clipping and implications for handling techniques. <i>Remote Sensing of Environment</i> , 2006, 103, 265-275.	11.0	89
13	Calibration and assessment of seasonal changes in leaf area index of a tropical dry forest in different stages of succession. <i>Tree Physiology</i> , 2005, 25, 733-744.	3.1	83
14	Effects of Season and Successional Stage on Leaf Area Index and Spectral Vegetation Indices in Three Mesoamerican Tropical Dry Forests1. <i>Biotropica</i> , 2005, 37, 486-496.	1.6	80
15	Tropical Montane Cloud Forests. , 2011, , .		77
16	Dynamics of Tropical Deforestation Around National Parks: Remote Sensing of Forest Change on the Osa Peninsula of Costa Rica. <i>Mountain Research and Development</i> , 2002, 22, 352-358.	1.0	63
17	Leaf area index measurements in a tropical moist forest: A case study from Costa Rica. <i>Remote Sensing of Environment</i> , 2004, 91, 134-152.	11.0	58
18	Calibration of LAI-2000 to estimate leaf area index (LAI) and assessment of its relationship with stand productivity in six native and introduced tree species in Costa Rica. <i>Forest Ecology and Management</i> , 2007, 247, 185-193.	3.2	57

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19	Tree Species Composition, Breeding Systems, and Pollination and Dispersal Syndromes in Three Forest Successional Stages in a Tropical Dry Forest in Mesoamerica. <i>Tropical Conservation Science</i> , 2015, 8, 76-94.	1.2	54
20	Early growth performance of native and introduced fast growing tree species in wet to sub-humid climates of the Southern region of Costa Rica. <i>Forest Ecology and Management</i> , 2007, 242, 227-235.	3.2	51
21	Allometric relationships predicting foliar biomass and leaf area:sapwood area ratio from tree height in five Costa Rican rain forest species. <i>Tree Physiology</i> , 2008, 28, 1601-1608.	3.1	45
22	Productivity, aboveground biomass, nutrient uptake and carbon content in fast-growing tree plantations of native and introduced species in the Southern Region of Costa Rica. <i>Biomass and Bioenergy</i> , 2011, 35, 1779-1788.	5.7	43
23	A comparison of the performance of three types of passive fog gauges under conditions of wind-driven fog and precipitation. <i>Hydrological Processes</i> , 2011, 25, 374-383.	2.6	42
24	Baseline assessment for environmental services payments from satellite imagery: A case study from Costa Rica and Mexico. <i>Journal of Environmental Management</i> , 2008, 88, 348-359.	7.8	38
25	Species Classification of Tropical Tree Leaf Reflectance and Dependence on Selection of Spectral Bands. , 2008, , 141-159.		36
26	Variation of wood color parameters of <i>Tectona grandis</i> and its relationship with physical environmental factors. <i>Annals of Forest Science</i> , 2012, 69, 947-959.	2.0	36
27	LIDAR remote sensing for secondary Tropical Dry Forest identification. <i>Remote Sensing of Environment</i> , 2012, 121, 132-143.	11.0	33
28	An evaluation of Thornthwaite's water balance technique in predicting stream runoff in Costa Rica. <i>Hydrological Sciences Journal</i> , 1986, 31, 51-60.	2.6	29
29	Delineation of secondary succession mechanisms for tropical dry forests using LiDAR. <i>Remote Sensing of Environment</i> , 2011, 115, 2217-2231.	11.0	28
30	Conservation Challenges for the Austral and Neotropical America Section. <i>Conservation Biology</i> , 2009, 23, 811-817.	4.7	25
31	Tropical Dry Forests in the Americas. , 2013, , 1-15.		20
32	The Costa Rican National Conservation Strategy for Sustainable Development: Exploring the Possibilities. <i>Environmental Conservation</i> , 1990, 17, 355-358.	1.3	15
33	Water resources development in Costa Rica 1970-2000. <i>Hydrological Sciences Journal</i> , 1990, 35, 185-196.	2.6	14
34	Reduced ecosystem resilience quantifies fine-scale heterogeneity in tropical forest mortality responses to drought. <i>Global Change Biology</i> , 2022, 28, 2081-2094.	9.5	12
35	Interception of Rainfall in Successional Tropical Dry Forests in Brazil and Costa Rica. <i>Geosciences (Switzerland)</i> , 2018, 8, 486.	2.2	11
36	Determining Rainfall Erosivity in Costa Rica: A Practical Approach. <i>Mountain Research and Development</i> , 2014, 34, 48.	1.0	8

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37	Predicting Monthly and Annual Air Temperature Characteristics in North Carolina. <i>Journal of Applied Meteorology and Climatology</i> , 1994, 33, 490-499.	1.7	7
38	Changes in forest structure and composition in a successional tropical dry forest. <i>Revista Forestal Mesoamericana KurÅe</i> , 2017, 14, 12.	0.1	6
39	Planning and development of Costa Rica water resources: current status and perspectives. <i>TecnologÅa En Marcha</i> , 2013, 26, 52.	0.1	6
40	Performance of Two Hydrological Models in Predicting Daily Flow under a Climate Change Scenario for Mountainous Catchments in Northwestern Costa Rica. <i>Mountain Research and Development</i> , 2015, 35, 240-253.	1.0	5
41	Tasas de crecimiento, mortalidad y reclutamiento de vegetaci3n en tres estadios sucesionales del bosque seco tropical, Parque Nacional Santa Rosa, Costa Rica. <i>Revista Forestal Mesoamericana KurÅe</i> , 2013, 10, 1.	0.1	5
42	Tree diameter growth for three successional stages of Tropical Dry Forest in Minas Gerais, Brazil. <i>Revista Forestal Mesoamericana KurÅe</i> , 2017, 14, 24.	0.1	5
43	Neotropical Seasonally Dry Forests. , 2013, , 488-500.		4
44	Current perspectives on forest recovery trends in Guanacaste, Costa Rica. <i>International Forestry Review</i> , 2019, 21, 425-431.	0.6	4
45	Recursos hÅdricos de la Cuenca Alta del RÅo Tempisque, Costa Rica (Nota tÅ©cnica). <i>TecnologÅa En Marcha</i> , 2012, 25, 63.	0.1	4
46	Planificaci3n del recurso hÅdrico en AmÅrica Latina y el Caribe. <i>TecnologÅa En Marcha</i> , 2013, 26, 3.	0.1	4
47	Intercepci3n de precipitaci3n en tres estadios de sucesi3n de un Bosque hÅmedo Tropical, Parque Nacional Guanacaste, Costa Rica. <i>Revista Forestal Mesoamericana KurÅe</i> , 2012, 9, 1.	0.1	2
48	Interception and Redistribution of Precipitation by <i>Parkinsonia aculeata</i> L.: Implications for Palo Verde National Park Wetlands, Costa Rica. <i>Water (Switzerland)</i> , 2022, 14, 311.	2.7	2
49	'Growing together': transnational policy networks and environmental policy change in Costa Rica. <i>International Journal of Society Systems Science</i> , 2015, 7, 1.	0.1	1
50	MYRACRODRUON URUNDEUVA FR ALL. (AROEIRA TREE) POPULATION DYNAMICS, DIAMETER GROWTH RATE AND ITS POTENTIAL FOR SUSTAINABLE MANAGEMENT IN SUCCESSIONAL TROPICAL DRY FORESTS OF BRAZIL. <i>Revista Arvore</i> , 2017, 41, .	0.5	1
51	Water Resource Planning in Latin America and the Caribbean. <i>TecnologÅa En Marcha</i> , 2016, 29, 14.	0.1	1
52	Estimation of transition function parameters to evaluate the sensitivity of vegetation indices to leaf area index in a tropical moist forest. , 0, , .		0
53	Conservation strategies for montane cloud forests in Costa Rica: the case of protected areas, payments for environmental services, and ecotourism. , 0, , 686-690.		0
54	Intercepci3n de precipitaci3n en dos especies forestales nativas: <i>Vochysia guatemalensis</i> Donn. Sm. y <i>Vochysia ferruginea</i> Mart.. <i>Revista Forestal Mesoamericana KurÅe</i> , 2012, 9, 32.	0.1	0