MÃ¡rio M EspÃ-rito-Santo

List of Publications by Year
in descending order

69 papers	3,740 citations	186265 28 h-index	133252 59 g-index
73 all docs	73 docs citations	73 times ranked	4521 citing authors

#	Article	IF	Citations
1	Biomass resilience of Neotropical secondary forests. Nature, 2016, 530, 211-214.	27.8	763
2	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. Science Advances, 2016, 2, e1501639.	10.3	423
3	Biodiversity recovery of Neotropical secondary forests. Science Advances, 2019, 5, eaau3114.	10.3	291
4	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
5	Multidimensional tropical forest recovery. Science, 2021, 374, 1370-1376.	12.6	165
6	Changes in tree and liana communities along a successional gradient in a tropical dry forest in south-eastern Brazil. Plant Ecology, 2009, 201, 291-304.	1.6	130
7	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
8	Legume abundance along successional and rainfall gradients in Neotropical forests. Nature Ecology and Evolution, 2018, 2, 1104-1111.	7.8	107
9	Sexual Differences in Reproductive Phenology and their Consequences for the Demography of Baccharis dracunculifolia (Asteraceae), a Dioecious Tropical Shrub. Annals of Botany, 2003, 91, 13-19.	2.9	90
10	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
11	Plant architecture and meristem dynamics as the mechanisms determining the diversity of gall-inducing insects. Oecologia, 2007, 153, 353-364.	2.0	83
12	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. Biological Conservation, 2021, 260, 108849.	4.1	71
13	Insect Herbivores and Leaf Damage along Successional and Vertical Gradients in a Tropical Dry Forest. Biotropica, 2014, 46, 14-24.	1.6	62
14	Canopy Herbivory and Insect Herbivore Diversity in a Dry Forestâ€“Savanna Transition in Brazil. Biotropica, 2010, 42, 112-118.	1.6	56
15	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
16	Sustainability of tropical dry forests: Two case studies in southeastern and central Brazil. Forest Ecology and Management, 2009, 258, 922-930.	3.2	50
17	Protected areas and territorial exclusion of traditional communities: analyzing the social impacts of environmental compensation strategies in Brazil. Ecology and Society, 2018, 23, .	2.3	48
18	Abundance of Neopelma baccharidis (Homoptera: Psyllidae) Galls on the Dioecious Shrub Baccharis dracunculifolia (Asteraceae). Environmental Entomology, 1998, 27, 870-876.	1.4	47

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19	Changes in tree phenology along natural regeneration in a seasonally dry tropical forest. Plant Biosystems, 2014, 148, 965-974.	1.6	45
20	Leaf traits and herbivory on deciduous and evergreen trees in a tropical dry forest. Basic and Applied Ecology, 2015, 16, 210-219.	2.7	45
21	Litterfall dynamics along a successional gradient in a Brazilian tropical dry forest. Forest Ecosystems, 2019, 6, .	3.1	41
22	Understanding patterns of land-cover change in the Brazilian Cerrado from 2000 to 2015. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150435.	4.0	40
23	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
24	Herbivory on Handroanthus ochraceus (Bignoniaceae) along a successional gradient in a tropical dry forest. Arthropod-Plant Interactions, 2012, 6, 45-57.	1.1	36
25	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
26	Functional recovery of secondary tropical forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
27	Species Diversity and Abundance of Vascular Epiphytes on Vellozia piresiana in Brazil1. Biotropica, 2002, 34, 51-57.	1.6	33
28	Land use policies and deforestation in Brazilian tropical dry forests between 2000 and 2015. Environmental Research Letters, 2018, 13, 035008.	5.2	31
29	Assessing ecosystem services in Neotropical dry forests: a systematic review. Environmental Conservation, 2017, 44, 34-43.	1.3	30
30	Plant Phenology and Absence of Sex-Biased Gall Attack on Three Species of Baccharis. PLoS ONE, 2012, 7, e46896.	2.5	28
31	Host plant effects on the development and survivorship of the galling insect Neopelma baccharidis (Homoptera: Psyllidae). Austral Ecology, 2002, 27, 249-257.	1.5	24
32	Parasitoid attack and its consequences to the development of the galling psyllid Baccharopelma dracunculifoliae. Basic and Applied Ecology, 2004, 5, 475-484.	2.7	24
33	Gall-inducing jumping plant-lice of the Neotropical genusBaccharopelma(Hemiptera, Psylloidea) associated withBaccharis(Asteraceae). Journal of Natural History, 2004, 38, 2051-2071.	0.5	22
34	Ant Assemblage Structure in a Secondary Tropical Dry Forest: The Role of Ecological Succession and Seasonality. Sociobiology, 2017, 64, 261.	0.5	22
35	Phyllostomid Bat Occurrence in Successional Stages of Neotropical Dry Forests. PLoS ONE, 2014, 9, e84572.	2.5	20
36	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

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37	Seasonal and diel variations in the activity of canopy insect herbivores differ between deciduous and evergreen plant species in a tropical dry forest. Journal of Insect Conservation, 2017, 21, 667-676.	1.4	17
38	Ontogenetic and Temporal Variations in Herbivory and Defense ofHandroanthus spongiosus(Bignoniaceae) in a Brazilian Tropical Dry Forest. Environmental Entomology, 2012, 41, 541-550.	1.4	16
39	Tannins in Baccharis dracunculifolia (Asteraceae): effects of seasonality, water availability and plant sex. Acta Botanica Brasilica, 1999, 13, 167-174.	0.8	15
40	Dynamics of Carbon Accumulation in Tropical Dry Forests under Climate Change Extremes. Forests, 2021, 12, 106.	2.1	14
41	Expanding tropical forest monitoring into Dry Forests: The DRYFLOR protocol for permanent plots. Plants People Planet, 2021, 3, 295-300.	3.3	12
42	Leaf damage and functional traits along a successional gradient in Brazilian tropical dry forests. Plant Ecology, 2018, 219, 403-415.	1.6	11
43	Interception of Rainfall in Successional Tropical Dry Forests in Brazil and Costa Rica. Geosciences (Switzerland), 2018, 8, 486.	2.2	11
44	Simulating Deforestation in Minas Gerais, Brazil, under Changing Government Policies and Socioeconomic Conditions. PLoS ONE, 2015, 10, e0137911.	2.5	11
45	Effects of Habitat Structure, Plant Cover, and Successional Stage on the Bat Assemblage of a Tropical Dry Forest at Different Spatial Scales. Diversity, 2018, 10, 41.	1.7	10
46	Strong floristic distinctiveness across Neotropical successional forests. Science Advances, 2022, 8, .	10.3	10
47	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
48	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
49	Estimates of deforestation avoided by protected areas: a case study in Brazilian tropical dry forests and Cerrado. Landscape Research, 2020, 45, 470-483.	1.6	9
50	Baccharis: A Neotropical Model System to Study Insect Plant Interactions. , 2014, , 193-219.		9
51	Spatiotemporal variation in phyllostomid bat assemblages over a successional gradient in a tropical dry forest in southeastern Brazil. Journal of Tropical Ecology, 2014, 30, 123-132.	1.1	8
52	An experimental test of rainfall as a control agent of Glycaspis brimblecombei Moore (Hemiptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Entomologia, 2012, 56, 101-105.	0.4	8
53	Consequences of habitat disturbance on seed fate of a <scp>B</scp>razilian tropical dry forest tree <scp>C</scp>avanillesia arborea (<scp>M</scp>alvaceae). Austral Ecology, 2015, 40, 726-732.	1.5	7
54	Galling Insect Species Richness and Leaf Herbivory in an Abrupt Transition Between Cerrado and Tropical Dry Forest. Annals of the Entomological Society of America, 2016, 109, 705-712.	2.5	7

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55	Land-cover changes and drivers of palm swamp degradation in southeastern Brazil from 1984 to 2018. Applied Geography, 2021, 137, 102604.	3.7	7
56	Changes in tree and liana communities along a successional gradient in a tropical dry forest in south-eastern Brazil. , 2009, , 291-304.		5
57	Does leaf flushing in the dry season affect leaf traits and herbivory in a tropical dry forest?. Die Naturwissenschaften, 2020, 107, 51.	1.6	5
58	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
59	Cynipid gall growth dynamics and enemy attack: effects of gall size, toughness and thickness. Neotropical Entomology, 1999, 28, 211-218.	0.2	4
60	Soil resource availability, plant defense, and herbivory along a successional gradient in a tropical dry forest. Plant Ecology, 2021, 222, 625-637.	1.6	4
61	Glycaspis brimblecombei (Hemiptera: Psyllidae) attack patterns on different Eucalyptus genotypes. PeerJ, 2017, 5, e3864.	2.0	4
62	Determining the K coefficient to leaf area index estimations in a tropical dry forest. International Journal of Biometeorology, 2018, 62, 1187-1197.	3.0	3
63	Contrasting successional stages lead to intra- and interspecific differences in leaf functional traits and herbivory levels in a Mexican tropical dry forest. European Journal of Forest Research, 2022, 141, 225-239.	2.5	3
64	MYRACRODRUON URUNDEUVA FR ALL. (AROEIRA TREE) POPULATION DYNAMICS, DIAMETER GROWTH RATE AND ITS POTENTIAL FOR SUSTAINABLE MANAGEMENT IN SUCCESSIONAL TROPICAL DRY FORESTS OF BRAZIL. Revista Arvore, 2017, 41, .	0.5	1
65	MONITORING OF BRAZILIAN DECIDUOUS SEASONAL FOREST BY REMOTE SENSING. Mercator: Revista De Geografia Da UFC, 2020, 19, 1-20.	0.2	1
66	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
67	Optical wireless sensor networks observe leaf phenology and photosynthetic radiation interception in a Brazilian tropical dry forest. , 2012, , .		0
68	Efeitos da umidade do solo e da cobertura vegetal na distribuiÃ§Ã£o e abundÃ¢ncia de Drosera montana (Droseraceae). Acta Botanica Brasilica, 1999, 13, 299-305.	0.8	0
69	DinÃ¢mica EspaÃ§o-Temporal da Cobertura e Uso do Solo em Unidades de ConservaÃ§Ã£o no Norte de Minas Gerais, Brasil, entre 1986 e 2015. Biodiversidade Brasileira - BioBrasil, 2022, 12, .	0.2	0