

Marcos Silveira

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

10,981
citations

61857

43
h-index

102304

66
g-index

76
all docs

76
docs citations

76
times ranked

12843
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought Sensitivity of the Amazon Rainforest. <i>Science</i> , 2009, 323, 1344-1347.	6.0	1,443
2	Hyperdominance in the Amazonian Tree Flora. <i>Science</i> , 2013, 342, 1243092.	6.0	873
3	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015, 519, 344-348.	13.7	796
4	Drought–mortality relationships for tropical forests. <i>New Phytologist</i> , 2010, 187, 631-646.	3.5	487
5	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. <i>Biogeosciences</i> , 2012, 9, 2203-2246.	1.3	487
6	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , 2017, 355, 925-931.	6.0	443
7	Global trait–environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	3.4	397
8	Tree height integrated into pantropical forest biomass estimates. <i>Biogeosciences</i> , 2012, 9, 3381-3403.	1.3	373
9	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019, 569, 404-408.	13.7	371
10	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. <i>Global Ecology and Biogeography</i> , 2013, 22, 1261-1271.	2.7	365
11	A spatial model of tree $\hat{\lambda}$ -diversity and tree density for the Amazon. <i>Biodiversity and Conservation</i> , 2003, 12, 2255-2277.	1.2	348
12	Basin-wide variations in foliar properties of Amazonian forest: phylogeny, soils and climate. <i>Biogeosciences</i> , 2009, 6, 2677-2708.	1.3	295
13	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). <i>Journal of Vegetation Science</i> , 2002, 13, 439-450.	1.1	285
14	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019, 25, 39-56.	4.2	265
15	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , 2017, 7, 39102.	1.6	251
16	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , 2014, 23, 935-946.	2.7	248
17	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , 2015, 6, 6857.	5.8	214
18	Amazon forest response to repeated droughts. <i>Global Biogeochemical Cycles</i> , 2016, 30, 964-982.	1.9	201

#	ARTICLE	IF	CITATIONS
19	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020, 368, 869-874.	6.0	198
20	Seasonal drought limits tree species across the Neotropics. <i>Ecography</i> , 2017, 40, 618-629.	2.1	143
21	Estimating the global conservation status of more than 15,000 Amazonian tree species. <i>Science Advances</i> , 2015, 1, e1500936.	4.7	122
22	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. <i>Global Change Biology</i> , 2016, 22, 3996-4013.	4.2	116
23	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. <i>Scientific Reports</i> , 2018, 8, 1003.	1.6	113
24	Climate seasonality limits leaf carbon assimilation and wood productivity in tropical forests. <i>Biogeosciences</i> , 2016, 13, 2537-2562.	1.3	108
25	Carbon uptake by mature Amazon forests has mitigated Amazon nations' carbon emissions. <i>Carbon Balance and Management</i> , 2017, 12, 1.	1.4	98
26	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1). <i>Geoscientific Model Development</i> , 2014, 7, 1251-1269.	1.3	87
27	The number of tree species on Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	86
28	Branch xylem density variations across the Amazon Basin. <i>Biogeosciences</i> , 2009, 6, 545-568.	1.3	84
29	Comparison of the mass and energy exchange of a pasture and a mature transitional tropical forest of the southern Amazon Basin during a seasonal transition. <i>Global Change Biology</i> , 2004, 10, 863-876.	4.2	82
30	Estimation of biomass and carbon stocks: the case of the Atlantic Forest. <i>Biota Neotropica</i> , 2008, 8, 21-29.	1.0	82
31	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 1366-1383.	2.7	78
32	Methods to estimate aboveground wood productivity from long-term forest inventory plots. <i>Forest Ecology and Management</i> , 2014, 320, 30-38.	1.4	75
33	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. <i>Global Change Biology</i> , 2009, 15, 2418-2430.	4.2	74
34	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021, 260, 108849.	1.9	71
35	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , 2014, 17, 527-536.	3.0	63
36	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , 2020, 11, 5515.	5.8	62

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37	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , 2020, 29, 1495-1514.	2.7	62
38	Disentangling regional and local tree diversity in the Amazon. <i>Ecography</i> , 2009, 32, 46-54.	2.1	61
39	Dismantling Brazil's science threatens global biodiversity heritage. <i>Perspectives in Ecology and Conservation</i> , 2017, 15, 239-243.	1.0	60
40	Non-structural carbohydrates mediate seasonal water stress across Amazon forests. <i>Nature Communications</i> , 2021, 12, 2310.	5.8	59
41	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. <i>Ecology</i> , 2020, 101, e03052.	1.5	57
42	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , 2020, 10, 10130.	1.6	53
43	Floristics and biogeography of vegetation in seasonally dry tropical regions. <i>International Forestry Review</i> , 2015, 17, 10-32.	0.3	50
44	Soil physical conditions limit palm and tree basal area in Amazonian forests. <i>Plant Ecology and Diversity</i> , 2014, 7, 215-229.	1.0	45
45	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. <i>Scientific Data</i> , 2019, 6, 198.	2.4	44
46	Basin-wide variations in Amazon forest nitrogen-cycling characteristics as inferred from plant and soil ¹⁵ N: ¹⁴ N measurements. <i>Plant Ecology and Diversity</i> , 2014, 7, 173-187.	1.0	43
47	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161587.	1.2	43
48	Estimating state-wide biomass carbon stocks for a REDD plan in Acre, Brazil. <i>Forest Ecology and Management</i> , 2011, 262, 555-560.	1.4	35
49	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR)., 2002, 13, 439.		35
50	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , 2019, 3, 1754-1761.	3.4	32
51	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , 2019, 9, 13822.	1.6	28
52	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021, 5, 757-767.	3.4	27
53	NEOTROPICAL CARNIVORES: a data set on carnivore distribution in the Neotropics. <i>Ecology</i> , 2020, 101, e03128.	1.5	26
54	Tree mortality, recruitment and growth in a bamboo dominated forest fragment in southwestern Amazonia, Brazil. <i>Biota Neotropica</i> , 2013, 13, 29-34.	1.0	25

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55	The White-sand Vegetation of Acre, Brazil. <i>Biotropica</i> , 2016, 48, 81-89.	0.8	23
56	Epiphytic (including hemiepiphytes) diversity in three timber species in the southwestern Amazon, Brazil. <i>Biodiversity and Conservation</i> , 2012, 21, 565-575.	1.2	20
57	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	19
58	Botanical advances in Southwestern Amazonia: The flora of Acre (Brazil) five years after the first Catalogue. <i>Phytotaxa</i> , 2014, 177, 101.	0.1	18
59	Water table depth modulates productivity and biomass across Amazonian forests. <i>Global Ecology and Biogeography</i> , 2022, 31, 1571-1588.	2.7	17
60	Effects of road infrastructure on forest value across a tri-national Amazonian frontier. <i>Biological Conservation</i> , 2015, 191, 674-681.	1.9	16
61	Trade-offs among forest value components in community forests of southwestern Amazonia. <i>Ecology and Society</i> , 2014, 19, .	1.0	14
62	Patterns of diversity and gaps in vascular (hemi-)epiphyte flora of Southwestern Amazonia. <i>Phytotaxa</i> , 2014, 166, 259.	0.1	14
63	The Program for Biodiversity Research in Brazil: The role of regional networks for biodiversity knowledge, dissemination, and conservation. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201604.	0.3	9
64	Diversity and habitat preference of medium and large-sized mammals in an urban forest fragment of southwestern Amazon. <i>Iheringia - Serie Zoologia</i> , 2014, 104, 168-174.	0.5	6
65	Vertical stratification of phyllostomid bats assemblage (Chiroptera, Phyllostomidae) in a forest fragment in Brazilian Southwestern Amazon. <i>Neotropical Biology and Conservation</i> , 2020, 15, 107-120.	0.4	5
66	Linking high diversification rates of rapidly growing Amazonian plants to geophysical landscape transformations promoted by Andean uplift. <i>Botanical Journal of the Linnean Society</i> , 2022, 199, 36-52.	0.8	3
67	SPATIAL STRUCTURE OF <i>Theobroma subincanum</i> Mart. AND <i>Theobroma speciosum</i> Willd. ex Spreng. IN THE PARQUE NACIONAL DO JURUENA, MATO GROSSO STATE, BRAZIL. <i>Revista Arvore</i> , 2017, 41, .	0.5	1
68	Making and making use of a baseline: botanical research and the legacy of Chico Mendes. <i>Desenvolvimento E Meio Ambiente</i> , 0, 48, .	0.0	0
69	<i>Diodia kuntzei</i> K. Schum (Rubiaceae, Spermaceae): a new record for the state of Acre, Brazil. <i>Check List</i> , 2020, 16, 675-679.	0.1	0
70	Primary modes of tree mortality in southwestern Amazon forests. <i>Trees, Forests and People</i> , 2022, 7, 100180.	0.8	0