

Marcos Silveira

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69

papers

7,933

citations

36

h-index

76

g-index

76

ext. papers

9,516

ext. citations

8.7

avg, IF

4.22

L-index

#	Paper	IF	Citations
69	Drought sensitivity of the Amazon rainforest. <i>Science</i> , 2009 , 323, 1344-7	33.3	1213
68	Hyperdominance in the Amazonian tree flora. <i>Science</i> , 2013 , 342, 1243092	33.3	637
67	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015 , 519, 344-8	50.4	583
66	Drought-mortality relationships for tropical forests. <i>New Phytologist</i> , 2010 , 187, 631-46	9.8	400
65	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. <i>Biogeosciences</i> , 2012 , 9, 2203-2246	4.6	387
64	A spatial model of tree diversity and tree density for the Amazon. <i>Biodiversity and Conservation</i> , 2003 , 12, 2255-2277	3.4	298
63	Tree height integrated into pantropical forest biomass estimates. <i>Biogeosciences</i> , 2012 , 9, 3381-3403	4.6	289
62	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , 2017 , 355, 925-931	33.3	280
61	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. <i>Global Ecology and Biogeography</i> , 2013 , 22, 1261-1271	6.1	280
60	Basin-wide variations in foliar properties of Amazonian forest: phylogeny, soils and climate. <i>Biogeosciences</i> , 2009 , 6, 2677-2708	4.6	248
59	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). <i>Journal of Vegetation Science</i> , 2002 , 13, 439-450	3.1	242
58	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1906-1917	6.1	209
57	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , 2014 , 23, 935-946	6.1	205
56	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019 , 569, 404-408	50.4	203
55	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , 2017 , 7, 39102	4.9	177
54	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019 , 25, 39-56	11.4	158
53	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , 2015 , 6, 6857	17.4	157

52	Amazon forest response to repeated droughts. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 964-982	5.9	149
51	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	11.4	99
50	Seasonal drought limits tree species across the Neotropics. <i>Ecography</i> , 2017 , 40, 618-629	6.5	93
49	Regional and large-scale patterns in Amazon forest structure and function are mediated by variations in soil physical and chemical properties		93
48	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020 , 368, 869-874	33.3	92
47	Estimating the global conservation status of more than 15,000 Amazonian tree species. <i>Science Advances</i> , 2015 , 1, e1500936	14.3	91
46	Climate seasonality limits leaf carbon assimilation and wood productivity in tropical forests. <i>Biogeosciences</i> , 2016 , 13, 2537-2562	4.6	79
45	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. <i>Scientific Reports</i> , 2018 , 8, 1003	4.9	78
44	Branch xylem density variations across the Amazon Basin. <i>Biogeosciences</i> , 2009 , 6, 545-568	4.6	73
43	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1). <i>Geoscientific Model Development</i> , 2014 , 7, 1251-1269	6.3	72
42	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. <i>Global Change Biology</i> , 2009 , 15, 2418-2430	11.4	70
41	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	11.4	65
40	Methods to estimate aboveground wood productivity from long-term forest inventory plots. <i>Forest Ecology and Management</i> , 2014 , 320, 30-38	3.9	62
39	Estimation of biomass and carbon stocks: the case of the Atlantic Forest. <i>Biota Neotropica</i> , 2008 , 8, 21-29		58
38	Carbon uptake by mature Amazon forests has mitigated Amazon nations carbon emissions. <i>Carbon Balance and Management</i> , 2017 , 12, 1	3.6	56
37	Disentangling regional and local tree diversity in the Amazon. <i>Ecography</i> , 2009 , 32, 46-54	6.5	54
36	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1366-1383	6.1	52
35	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , 2014 , 17, 527-36	10	48

34	Dismantling Brazil's science threatens global biodiversity heritage. <i>Perspectives in Ecology and Conservation</i> , 2017 , 15, 239-243	3.5	41
33	Basin-wide variations in Amazon forest nitrogen-cycling characteristics as inferred from plant and soil 15N:14N measurements. <i>Plant Ecology and Diversity</i> , 2014 , 7, 173-187	2.2	35
32	Soil physical conditions limit palm and tree basal area in Amazonian forests. <i>Plant Ecology and Diversity</i> , 2014 , 7, 215-229	2.2	35
31	Floristics and biogeography of vegetation in seasonally dry tropical regions. <i>International Forestry Review</i> , 2015 , 17, 10-32	0.9	34
30	Tree height integrated into pan-tropical forest biomass estimates		30
29	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. <i>Scientific Data</i> , 2019 , 6, 198	8.2	29
28	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	29
27	Estimating state-wide biomass carbon stocks for a REDD plan in Acre, Brazil. <i>Forest Ecology and Management</i> , 2011 , 262, 555-560	3.9	27
26	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , 2020 , 10, 10130	4.9	24
25	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. <i>Ecology</i> , 2020 , 101, e03052	4.6	24
24	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , 2020 , 11, 5515	17.4	24
23	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1495-1514	6.1	21
22	Tree mortality, recruitment and growth in a bamboo dominated forest fragment in southwestern Amazonia, Brazil. <i>Biota Neotropica</i> , 2013 , 13, 29-34		21
21	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR) 2002 , 13, 439		20
20	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , 2019 , 9, 13822	4.9	19
19	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1754-1761	12.3	17
18	Botanical advances in Southwestern Amazonia: The flora of Acre (Brazil) five years after the first Catalogue. <i>Phytotaxa</i> , 2014 , 177, 101	0.7	15
17	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021 , 260, 108849	6.2	15

16	Epiphytic (including hemiepiphytes) diversity in three timber species in the southwestern Amazon, Brazil. <i>Biodiversity and Conservation</i> , 2012 , 21, 565-575	3.4	14
15	Trade-offs among forest value components in community forests of southwestern Amazonia. <i>Ecology and Society</i> , 2014 , 19,	4.1	14
14	Non-structural carbohydrates mediate seasonal water stress across Amazon forests. <i>Nature Communications</i> , 2021 , 12, 2310	17.4	13
13	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	12
12	The White-sand Vegetation of Acre, Brazil. <i>Biotropica</i> , 2016 , 48, 81-89	2.3	12
11	Patterns of diversity and gaps in vascular (hemi-)epiphyte flora of Southwestern Amazonia. <i>Phytotaxa</i> , 2014 , 166, 259	0.7	11
10	Effects of road infrastructure on forest value across a tri-national Amazonian frontier. <i>Biological Conservation</i> , 2015 , 191, 674-681	6.2	9
9	NEOTROPICAL CARNIVORES: a data set on carnivore distribution in the Neotropics. <i>Ecology</i> , 2020 , 101, e03128	4.6	8
8	The number of tree species on Earth.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
7	Branch xylem density variations across Amazonia		5
6	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021 , 5, 757-767	12.3	5
5	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	1.4	5
4	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	0.9	4
3	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1)		4
2	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	0.8	1
1	Primary modes of tree mortality in southwestern Amazon forests. <i>Trees, Forests and People</i> , 2022 , 7, 100180	1.8	