

Emilio Vilanova

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.

42
papers

5,538
citations

25
h-index

46
g-index

46
ext. papers

6,637
ext. citations

9.9
avg, IF

3.39
L-index

#	Paper	IF	Citations
42	Drought sensitivity of the Amazon rainforest. <i>Science</i> , 2009 , 323, 1344-7	33.3	1213
41	Hyperdominance in the Amazonian tree flora. <i>Science</i> , 2013 , 342, 1243092	33.3	637
40	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015 , 519, 344-8	50.4	583
39	Drought-mortality relationships for tropical forests. <i>New Phytologist</i> , 2010 , 187, 631-46	9.8	400
38	Tree height integrated into pantropical forest biomass estimates. <i>Biogeosciences</i> , 2012 , 9, 3381-3403	4.6	289
37	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , 2017 , 355, 925-931	33.3	280
36	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
35	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
34	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , 2017 , 7, 39102	4.9	177
33	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019 , 25, 39-56	11.4	158
32	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , 2015 , 6, 6857	17.4	157
31	Amazon forest response to repeated droughts. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 964-982	5.9	149
30	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
29	Seasonal drought limits tree species across the Neotropics. <i>Ecography</i> , 2017 , 40, 618-629	6.5	93
28	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020 , 368, 869-874	33.3	92
27	Estimating the global conservation status of more than 15,000 Amazonian tree species. <i>Science Advances</i> , 2015 , 1, e1500936	14.3	91
26	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. <i>Scientific Reports</i> , 2018 , 8, 1003	4.9	78

25	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
24	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , 2015 , 21, 1295-1307	5	56
23	Field methods for sampling tree height for tropical forest biomass estimation. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1179-1189	7.7	53
22	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , 2014 , 17, 527-36	10	48
21	Estimating aboveground net biomass change for tropical and subtropical forests: Refinement of IPCC default rates using forest plot data. <i>Global Change Biology</i> , 2019 , 25, 3609-3624	11.4	44
20	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
19	Models of natural and human dynamics in forest landscapes: Cross-site and cross-cultural synthesis. <i>Geoforum</i> , 2008 , 39, 846-866	2.9	34
18	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	29
17	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , 2020 , 10, 10130	4.9	24
16	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. <i>Ecology</i> , 2020 , 101, e03052	4.6	24
15	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , 2020 , 11, 5515	17.4	24
14	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1495-1514	6.1	21
13	Assessing the extent of "conflict of use" in multipurpose tropical forest trees: a regional view. <i>Journal of Environmental Management</i> , 2013 , 130, 40-7	7.9	20
12	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , 2019 , 9, 13822	4.9	19
11	Environmental drivers of forest structure and stem turnover across Venezuelan tropical forests. <i>PLoS ONE</i> , 2018 , 13, e0198489	3.7	16
10	Carbon Emissions from Deforestation and Degradation in a Forest Reserve in Venezuela between 1990 and 2015. <i>Forests</i> , 2017 , 8, 291	2.8	8
9	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
8	Aboveground forest biomass varies across continents, ecological zones and successional stages: refined IPCC default values for tropical and subtropical forests. <i>Environmental Research Letters</i> , 2022 , 17, 014047	6.2	5

7	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021 , 5, 757-767	12.3	5
6	Compliance with sustainable forest management guidelines in three timber concessions in the Venezuelan Guayana: Analysis and implications. <i>Forest Policy and Economics</i> , 2012 , 17, 3-12	3.6	4
5	Guiding Principles for Small-Scale Forestry in a Watershed of the Venezuelan Andes: Constraints and Opportunities. <i>Small-Scale Forestry</i> , 2009 , 8, 77-93	1.2	3
4	Does soil pyrogenic carbon determine plant functional traits in Amazon Basin forests?. <i>Plant Ecology</i> , 2017 , 218, 1047-1062	1.7	2
3	Socioeconomic and Environmental Basis for the Development of Small Scale Forestry in a Highly Degraded Watershed in the Venezuelan Andes. <i>Small-Scale Forestry</i> , 2012 , 11, 321-337	1.2	2
2	A Low-Cost and Robust Landsat-Based Approach to Study Forest Degradation and Carbon Emissions from Selective Logging in the Venezuelan Amazon. <i>Remote Sensing</i> , 2021 , 13, 1435	5	2
1	Planning and Policy Issues in Small-scale Forestry Development in Southern Aragua State, Venezuela. <i>Small-Scale Forestry</i> , 2010 , 9, 281-295	1.2	1