

Alvaro Duque

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

6,220
citations

257450

24
h-index

223800

46
g-index

50
all docs

50
docs citations

50
times ranked

8233
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved allometric models to estimate the aboveground biomass of tropical trees. <i>Global Change Biology</i> , 2014, 20, 3177-3190.	9.5	1,712
2	Rate of tree carbon accumulation increases continuously with tree size. <i>Nature</i> , 2014, 507, 90-93.	27.8	663
3	Continental-scale patterns of canopy tree composition and function across Amazonia. <i>Nature</i> , 2006, 443, 444-447.	27.8	593
4	<scp>CTFS</scp>â€œForest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	9.5	473
5	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , 2017, 355, 925-931.	12.6	443
6	An estimate of the number of tropical tree species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7472-7477.	7.1	335
7	Scaleâ€dependent relationships between tree species richness and ecosystem function in forests. <i>Journal of Ecology</i> , 2013, 101, 1214-1224.	4.0	265
8	Widespread but heterogeneous responses of Andean forests to climate change. <i>Nature</i> , 2018, 564, 207-212.	27.8	184
9	Tree above-ground biomass allometries for carbon stocks estimation in the natural forests of Colombia. <i>Forest Ecology and Management</i> , 2012, 267, 297-308.	3.2	182
10	Phylogenetic classification of the worldâ€™s tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1837-1842.	7.1	144
11	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021, 253, 108907.	4.1	122
12	Thermophilization of adult and juvenile tree communities in the northern tropical Andes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10744-10749.	7.1	115
13	Extinction at the end-Cretaceous and the origin of modern Neotropical rainforests. <i>Science</i> , 2021, 372, 63-68.	12.6	115
14	Different floristic patterns of woody understorey and canopy plants in Colombian Amazonia. <i>Journal of Tropical Ecology</i> , 2002, 18, 499-525.	1.1	106
15	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021, 260, 108849.	4.1	71
16	Elevation and latitude drives structure and tree species composition in Andean forests: Results from a large-scale plot network. <i>PLoS ONE</i> , 2020, 15, e0231553.	2.5	54
17	Droughtâ€induced mortality patterns and rapid biomass recovery in a terra firme forest in the Colombian Amazon. <i>Ecology</i> , 2017, 98, 2538-2546.	3.2	52
18	The Thermal Tolerances, Distributions, and Performances of Tropical Montane Tree Species. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	45

#	ARTICLE	IF	CITATIONS
19	Detecting vulnerability of humid tropical forests to multiple stressors. <i>One Earth</i> , 2021, 4, 988-1003.	6.8	41
20	Large-Scale Patterns of Turnover and Basal Area Change in Andean Forests. <i>PLoS ONE</i> , 2015, 10, e0126594.	2.5	38
21	Importance of topography for tree species habitat distributions in a terra firme forest in the Colombian Amazon. <i>Plant and Soil</i> , 2020, 450, 133-149.	3.7	35
22	Ferns and Melastomataceae as indicators of vascular plant composition in rain forests of Colombian Amazonia. <i>Plant Ecology</i> , 2005, 178, 1-13.	1.6	33
23	Insights into regional patterns of Amazonian forest structure, diversity, and dominance from three large terra-firme forest dynamics plots. <i>Biodiversity and Conservation</i> , 2017, 26, 669-686.	2.6	29
24	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , 2019, 9, 13822.	3.3	28
25	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021, 5, 757-767.	7.8	27
26	Distance Decay of Tree Species Similarity in Protected Areas on Terra Firme Forests in Colombian Amazonia. <i>Biotropica</i> , 2009, 41, 599-607.	1.6	26
27	Mature Andean forests as globally important carbon sinks and future carbon refuges. <i>Nature Communications</i> , 2021, 12, 2138.	12.8	26
28	Effects of endogenous and exogenous processes on aboveground biomass stocks and dynamics in Andean forests. <i>Plant Ecology</i> , 2018, 219, 1481-1492.	1.6	24
29	Local and regional determinants of vascular epiphyte mortality in the Andean mountains of Colombia. <i>Journal of Ecology</i> , 2016, 104, 841-849.	4.0	22
30	Differences in carbon stocks along an elevational gradient in tropical mountain forests of Colombia. <i>Biotropica</i> , 2019, 51, 490-499.	1.6	22
31	Patterns of stocks of aboveground tree biomass, dynamics, and their determinants in secondary Andean forests. <i>Forest Ecology and Management</i> , 2013, 302, 54-61.	3.2	20
32	Strategies of Tree Occupation at a Local Scale in terra firme Forests in the Colombian Amazon. <i>Biotropica</i> , 2003, 35, 20-27.	1.6	18
33	Individual tree damage dominates mortality risk factors across six tropical forests. <i>New Phytologist</i> , 2022, 233, 705-721.	7.3	18
34	Making forest data fair and open. <i>Nature Ecology and Evolution</i> , 2022, 6, 656-658.	7.8	18
35	Structure and allometry in tropical forests of Chocó, Colombia. <i>Forest Ecology and Management</i> , 2017, 405, 309-318.	3.2	16
36	Functional composition of epiphyte communities in the Colombian Andes. <i>Ecology</i> , 2019, 100, e02858.	3.2	16

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37	The influence of historical dispersal on the phylogenetic structure of tree communities in the tropical Andes. <i>Biotropica</i> , 2019, 51, 500-508.	1.6	15
38	Holocene increases in palm abundances in northwestern Amazonia. <i>Journal of Biogeography</i> , 2020, 47, 698-711.	3.0	15
39	The legacy of biogeographic history on the composition and structure of Andean forests. <i>Ecology</i> , 2020, 101, e03131.	3.2	11
40	The Dangers of Carbon-Centric Conservation for Biodiversity: A Case Study in the Andes. <i>Tropical Conservation Science</i> , 2014, 7, 178-191.	1.2	10
41	Asymmetrical niche determinism across geological units shapes phylogenetic tree communities in the Colombian Amazonia. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2017, 28, 1-9.	2.7	9
42	Scale-dependent drivers of the phylogenetic structure and similarity of tree communities in northwestern Amazonia. <i>Journal of Ecology</i> , 2021, 109, 888-899.	4.0	8
43	Thinning effect on <i>Euterpe oleracea</i> population dynamics in the Choco biogeographic region of Colombia. <i>Trees - Structure and Function</i> , 2015, 29, 1177-1185.	1.9	3
44	Colombian Forest Monitoring System: Assessing Deforestation in an Environmental Complex Country. , 2020, , .		3
45	Plant Trait Assembly in Species-Rich Forests at Varying Elevations in the Northwest Andes of Colombia. <i>Land</i> , 2021, 10, 1057.	2.9	3
46	The importance of grain and cut-off size in shaping tree beta diversity along an elevational gradient in the northwest of Colombia. <i>Forest Ecosystems</i> , 2020, 7, .	3.1	2
47	Drivers of beta diversity along a precipitation gradient in tropical forests of the Cauca River Canyon in Colombia. <i>Journal of Vegetation Science</i> , 0, , .	2.2	0