MarÃ-a Natalia UmaÃ±a

List of Publications by Year
in descending order

50 papers	2,094 citations	361045 20 h-index	243296 44 g-index
54 all docs	54 docs citations	54 times ranked	4346 citing authors

#	Article	IF	Citations
1	Hyperdominance in the Amazonian Tree Flora. Science, 2013, 342, 1243092.	6.0	873
2	Seasonal drought limits tree species across the Neotropics. Ecography, 2017, 40, 618-629.	2.1	143
3	Commonness, rarity, and intraspecific variation in traits and performance in tropical tree seedlings. Ecology Letters, 2015, 18, 1329-1337.	3.0	95
4	Phylogenetic alpha and beta diversity in tropical tree assemblages along regional-scale environmental gradients in northwest South America. Journal of Plant Ecology, 2014, 7, 145-153.	1.2	84
5	Linking individualâ€level functional traits to tree growth in a subtropical forest. Ecology, 2016, 97, 2396-2405.	1.5	84
6	Biased-corrected richness estimates for the Amazonian tree flora. Scientific Reports, 2020, 10, 10130.	1.6	53
7	A coreâ€transient framework for traitâ€based community ecology: an example from a tropical tree seedling community. Ecology Letters, 2017, 20, 619-628.	3.0	46
8	Climate sensitive size-dependent survival in tropical trees. Nature Ecology and Evolution, 2018, 2, 1436-1442.	3.4	41
9	The scaling of fine root nitrogen versus phosphorus in terrestrial plants: A global synthesis. Functional Ecology, 2019, 33, 2081-2094.	1.7	35
10	Alternative designs and tropical tree seedling growth performance landscapes. Ecology, 2020, 101, e03007.	1.5	35
11	Does trait variation within broadly distributed species mirror patterns across species? A case study in Puerto Rico. Ecology, 2019, 100, e02745.	1.5	34
12	The role of functional uniqueness and spatial aggregation in explaining rarity in trees. Global Ecology and Biogeography, 2017, 26, 777-786.	2.7	33
13	Interspecific Functional Convergence and Divergence and Intraspecific Negative Density Dependence Underlie the Seed-to-Seedling Transition in Tropical Trees. American Naturalist, 2016, 187, 99-109.	1.0	31
14	Individualâ€level trait variation and negative density dependence affect growth in tropical tree seedlings. Journal of Ecology, 2018, 106, 2446-2455.	1.9	31
15	Branching angles reflect a tradeâ€off between reducing trail maintenance costs or travel distances in leafâ€cutting ants. Ecology, 2015, 96, 510-517.	1.5	28
16	Tree crown overlap improves predictions of the functional neighbourhood effects on tree survival and growth. Journal of Ecology, 2019, 107, 887-900.	1.9	28
17	Neighbourhood defence gene similarity effects on tree performance: a community transcriptomic approach. Journal of Ecology, 2017, 105, 616-626.	1.9	27
18	Intraspecific variation in traits and tree growth along an elevational gradient in a subtropical forest. Oecologia, 2019, 191, 153-164.	0.9	27

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19	The role of transcriptomes linked with responses to light environment on seedling mortality in a subtropical forest, China. Journal of Ecology, 2017, 105, 592-601.	1.9	25
20	Phylofloristics: an example from the Lesser Antilles. Journal of Plant Ecology, 2014, 7, 166-175.	1.2	21
21	Tree co-occurrence and transcriptomic response to drought. Nature Communications, 2017, 8, 1996.	5.8	21
22	Shifts in taxonomic and functional composition of trees along rainfall and phosphorus gradients in central Panama. Journal of Ecology, 2021, 109, 51-61.	1.9	21
23	Coordination of leaf, stem and root traits in determining seedling mortality in a subtropical forest. Forest Ecology and Management, 2019, 446, 285-292.	1.4	20
24	Tree growth increases through opposing aboveâ€ground and belowâ€ground resource strategies. Journal of Ecology, 2021, 109, 3502-3512.	1.9	20
25	Determinants of Plant Community Assembly in a Mosaic of Landscape Units in Central Amazonia: Ecological and Phylogenetic Perspectives. PLoS ONE, 2012, 7, e45199.	1.1	19
26	The strength of densityâ€dependent mortality is contingent on climate and seedling size. Journal of Vegetation Science, 2018, 29, 662-670.	1.1	18
27	Tradeâ€offs in aboveâ€and belowâ€ground biomass allocation influencing seedling growth in a tropical forest. Journal of Ecology, 2021, 109, 1184-1193.	1.9	18
28	Dry conditions and disturbance promote liana seedling survival and abundance. Ecology, 2019, 100, e02556.	1.5	17
29	Topography and Traits Modulate Tree Performance and Drought Response in a Tropical Forest. Frontiers in Forests and Global Change, 2020, 3, .	1.0	17
30	Losing legs and walking hard: effects of autotomy and different substrates in the locomotion of harvestmen in the genusPrionostemma. Journal of Arachnology, 2016, 44, 76-82.	0.3	15
31	Trait-mediated neighbor effects on plant survival depend on life stages and stage-specific traits in a temperate forest. Forest Ecology and Management, 2020, 472, 118250.	1.4	13
32	Tree seedling trait optimization and growth in response to localâ€scale soil and light variability. Ecology, 2021, 102, e03252.	1.5	13
33	Changes in Phylogenetic Community Structure of the Seedling Layer Following Hurricane Disturbance in a Human-Impacted Tropical Forest. Forests, 2018, 9, 556.	0.9	12
34	Linking soil nutrients and traits to seedling growth: A test of the plant economics spectrum. Forest Ecology and Management, 2022, 505, 119941.	1.4	12
35	Incorporating belowground traits: avenues towards a wholeâ€tree perspective on performance. Oikos, 2023, 2023, .	1.2	12
36	Quantifying the role of intraâ€specific trait variation for allocation and organâ€level traits in tropical seedling communities. Journal of Vegetation Science, 2018, 29, 276-284.	1.1	11

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37	The scale dependency of traitâ€based tree neighborhood models. Journal of Vegetation Science, 2020, 31, 581-593.	1.1	11
38	Drivers of biomass stocks in Northwestern South American forests: Contributing new information on the Neotropics. Forest Ecology and Management, 2017, 389, 86-95.	1.4	9
39	Legacy effects of drought on tree growth responses to hurricanes. Ecography, 2021, 44, 1686-1697.	2.1	8
40	Relating leaf traits to seedling performance in a tropical forest: building a hierarchical functional framework. Ecology, 2021, 102, e03385.	1.5	7
41	Patrones de frecuencia y abundancia de sistemas de dispersiÃ³n de plantas en bosques colombianos y su relaciÃ³n con las regiones geogrÃ¡ficas del paÃs. Colombia Forestal, 2013, 16, 33.	0.5	7
42	Abundance-dependent effects of neighbourhood dissimilarity and growth rank reversal in a neotropical forest. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172878.	1.2	5
43	Improving predictions of tropical tree survival and growth by incorporating measurements of whole leaf allocation. Journal of Ecology, 2021, 109, 1331-1343.	1.9	5
44	Longâ€term dynamics of liana seedlings suggest decelerating increases in liana relative abundance over time. Journal of Ecology, 2020, 108, 460-469.	1.9	4
45	Functional traits contribute in opposite directions to taxonomic turnover in northeastern US forests over time. Journal of Vegetation Science, 2022, 33, .	1.1	2
46	Diversity of Dispersal Systems in IgapÃ³ Forests: An Analysis of Local Tree Diversity, Species Turnover, and Dispersal Systems. , 2018, , 23-35.		1
47	Largeâ€and smallâ€seeded species have contrasting functional neighborhoods in a subtropical forest. Ecosphere, 2020, 11, e03016.	1.0	1
48	Perceptions by early career tropical researchers on the impact of COVIDâ€19 six months into the pandemic. Biotropica, 2021, 53, 1250-1254.	0.8	1
49	Dry Conditions and Disturbance Promote Liana Seedling Survival and Abundance. Bulletin of the Ecological Society of America, 2019, 100, e01502.	0.2	0
50	Tree Seedling Trait Optimization and Growth in Response to Localâ€Scale Soil and Light Variability. Bulletin of the Ecological Society of America, 2021, 102, e01837.	0.2	0