

MarÃ-a Natalia UmaÃ±a

List of Publications by Year in descending order

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Version: 2024-02-01

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	Incorporating belowground traits: avenues towards a wholeâ€tree perspective on performance. <i>Oikos</i> , 2023, 2023, .	1.2	12
2	Linking soil nutrients and traits to seedling growth: A test of the plant economics spectrum. <i>Forest Ecology and Management</i> , 2022, 505, 119941.	1.4	12
3	Functional traits contribute in opposite directions to taxonomic turnover in northeastern US forests over time. <i>Journal of Vegetation Science</i> , 2022, 33, .	1.1	2
4	Shifts in taxonomic and functional composition of trees along rainfall and phosphorus gradients in central Panama. <i>Journal of Ecology</i> , 2021, 109, 51-61.	1.9	21
5	Improving predictions of tropical tree survival and growth by incorporating measurements of whole leaf allocation. <i>Journal of Ecology</i> , 2021, 109, 1331-1343.	1.9	5
6	Tree seedling trait optimization and growth in response to localâ€scale soil and light variability. <i>Ecology</i> , 2021, 102, e03252.	1.5	13
7	Tradeâ€offs in aboveâ€and belowâ€ground biomass allocation influencing seedling growth in a tropical forest. <i>Journal of Ecology</i> , 2021, 109, 1184-1193.	1.9	18
8	Relating leaf traits to seedling performance in a tropical forest: building a hierarchical functional framework. <i>Ecology</i> , 2021, 102, e03385.	1.5	7
9	Tree growth increases through opposing aboveâ€ground and belowâ€ground resource strategies. <i>Journal of Ecology</i> , 2021, 109, 3502-3512.	1.9	20
10	Perceptions by early career tropical researchers on the impact of COVIDâ€19 six months into the pandemic. <i>Biotropica</i> , 2021, 53, 1250-1254.	0.8	1
11	Legacy effects of drought on tree growth responses to hurricanes. <i>Ecography</i> , 2021, 44, 1686-1697.	2.1	8
12	Tree Seedling Trait Optimization and Growth in Response to Localâ€Scale Soil and Light Variability. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01837.	0.2	0
13	Longâ€term dynamics of liana seedlings suggest decelerating increases in liana relative abundance over time. <i>Journal of Ecology</i> , 2020, 108, 460-469.	1.9	4
14	Topography and Traits Modulate Tree Performance and Drought Response in a Tropical Forest. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	17
15	Trait-mediated neighbor effects on plant survival depend on life stages and stage-specific traits in a temperate forest. <i>Forest Ecology and Management</i> , 2020, 472, 118250.	1.4	13
16	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , 2020, 10, 10130.	1.6	53
17	Largeâ€and smallâ€seeded species have contrasting functional neighborhoods in a subtropical forest. <i>Ecosphere</i> , 2020, 11, e03016.	1.0	1
18	Alternative designs and tropical tree seedling growth performance landscapes. <i>Ecology</i> , 2020, 101, e03007.	1.5	35

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19	The scale dependency of trait-based tree neighborhood models. <i>Journal of Vegetation Science</i> , 2020, 31, 581-593.	1.1	11
20	The scaling of fine root nitrogen versus phosphorus in terrestrial plants: A global synthesis. <i>Functional Ecology</i> , 2019, 33, 2081-2094.	1.7	35
21	Intraspecific variation in traits and tree growth along an elevational gradient in a subtropical forest. <i>Oecologia</i> , 2019, 191, 153-164.	0.9	27
22	Coordination of leaf, stem and root traits in determining seedling mortality in a subtropical forest. <i>Forest Ecology and Management</i> , 2019, 446, 285-292.	1.4	20
23	Dry Conditions and Disturbance Promote Liana Seedling Survival and Abundance. <i>Bulletin of the Ecological Society of America</i> , 2019, 100, e01502.	0.2	0
24	Does trait variation within broadly distributed species mirror patterns across species? A case study in Puerto Rico. <i>Ecology</i> , 2019, 100, e02745.	1.5	34
25	Tree crown overlap improves predictions of the functional neighbourhood effects on tree survival and growth. <i>Journal of Ecology</i> , 2019, 107, 887-900.	1.9	28
26	Dry conditions and disturbance promote liana seedling survival and abundance. <i>Ecology</i> , 2019, 100, e02556.	1.5	17
27	Abundance-dependent effects of neighbourhood dissimilarity and growth rank reversal in a neotropical forest. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172878.	1.2	5
28	Quantifying the role of intra-specific trait variation for allocation and organ-level traits in tropical seedling communities. <i>Journal of Vegetation Science</i> , 2018, 29, 276-284.	1.1	11
29	Individual-level trait variation and negative density dependence affect growth in tropical tree seedlings. <i>Journal of Ecology</i> , 2018, 106, 2446-2455.	1.9	31
30	Diversity of Dispersal Systems in IgapÃ Forests: An Analysis of Local Tree Diversity, Species Turnover, and Dispersal Systems. , 2018, , 23-35.		1
31	Changes in Phylogenetic Community Structure of the Seedling Layer Following Hurricane Disturbance in a Human-Impacted Tropical Forest. <i>Forests</i> , 2018, 9, 556.	0.9	12
32	The strength of density-dependent mortality is contingent on climate and seedling size. <i>Journal of Vegetation Science</i> , 2018, 29, 662-670.	1.1	18
33	Climate sensitive size-dependent survival in tropical trees. <i>Nature Ecology and Evolution</i> , 2018, 2, 1436-1442.	3.4	41
34	Seasonal drought limits tree species across the Neotropics. <i>Ecography</i> , 2017, 40, 618-629.	2.1	143
35	The role of transcriptomes linked with responses to light environment on seedling mortality in a subtropical forest, China. <i>Journal of Ecology</i> , 2017, 105, 592-601.	1.9	25
36	Neighbourhood defence gene similarity effects on tree performance: a community transcriptomic approach. <i>Journal of Ecology</i> , 2017, 105, 616-626.	1.9	27

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37	A coreâ€ transient framework for traitâ€based community ecology: an example from a tropical tree seedling community. <i>Ecology Letters</i> , 2017, 20, 619-628.	3.0	46
38	The role of functional uniqueness and spatial aggregation in explaining rarity in trees. <i>Global Ecology and Biogeography</i> , 2017, 26, 777-786.	2.7	33
39	Drivers of biomass stocks in Northwestern South American forests: Contributing new information on the Neotropics. <i>Forest Ecology and Management</i> , 2017, 389, 86-95.	1.4	9
40	Tree co-occurrence and transcriptomic response to drought. <i>Nature Communications</i> , 2017, 8, 1996.	5.8	21
41	Linking individualâ€level functional traits to tree growth in a subtropical forest. <i>Ecology</i> , 2016, 97, 2396-2405.	1.5	84
42	Interspecific Functional Convergence and Divergence and Intraspecific Negative Density Dependence Underlie the Seed-to-Seedling Transition in Tropical Trees. <i>American Naturalist</i> , 2016, 187, 99-109.	1.0	31
43	Losing legs and walking hard: effects of autotomy and different substrates in the locomotion of harvestmen in the genus <i>Prionostemma</i> . <i>Journal of Arachnology</i> , 2016, 44, 76-82.	0.3	15
44	Commonness, rarity, and intraspecific variation in traits and performance in tropical tree seedlings. <i>Ecology Letters</i> , 2015, 18, 1329-1337.	3.0	95
45	Branching angles reflect a tradeâ€off between reducing trail maintenance costs or travel distances in leafâ€cutting ants. <i>Ecology</i> , 2015, 96, 510-517.	1.5	28
46	Phylofloristics: an example from the Lesser Antilles. <i>Journal of Plant Ecology</i> , 2014, 7, 166-175.	1.2	21
47	Phylogenetic alpha and beta diversity in tropical tree assemblages along regional-scale environmental gradients in northwest South America. <i>Journal of Plant Ecology</i> , 2014, 7, 145-153.	1.2	84
48	Hyperdominance in the Amazonian Tree Flora. <i>Science</i> , 2013, 342, 1243092.	6.0	873
49	Patrones de frecuencia y abundancia de sistemas de dispersiÃ³n de plantas en bosques colombianos y su relaciÃ³n con las regiones geogrÃ¡ficas del paÃs. <i>Colombia Forestal</i> , 2013, 16, 33.	0.5	7
50	Determinants of Plant Community Assembly in a Mosaic of Landscape Units in Central Amazonia: Ecological and Phylogenetic Perspectives. <i>PLoS ONE</i> , 2012, 7, e45199.	1.1	19