

# Jorge A Meave

## List of Publications by Year in descending order

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115  
papers

7,457  
citations

81900

39  
h-index

58581

82  
g-index

117  
all docs

117  
docs citations

117  
times ranked

7540  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass resilience of Neotropical secondary forests. <i>Nature</i> , 2016, 530, 211-214.	27.8	763
2	Functional traits and environmental filtering drive community assembly in a species-rich tropical system. <i>Ecology</i> , 2010, 91, 386-398.	3.2	447
3	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. <i>Science Advances</i> , 2016, 2, e1501639.	10.3	423
4	Multiple successional pathways in human-modified tropical landscapes: new insights from forest succession, forest fragmentation and landscape ecology research. <i>Biological Reviews</i> , 2017, 92, 326-340.	10.4	410
5	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , 2015, 24, 1314-1328.	5.8	366
6	Biodiversity recovery of Neotropical secondary forests. <i>Science Advances</i> , 2019, 5, eaau3114.	10.3	291
7	Successional dynamics in Neotropical forests are as uncertain as they are predictable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8013-8018.	7.1	272
8	Successional changes in functional composition contrast for dry and wet tropical forest. <i>Ecology</i> , 2013, 94, 1211-1216.	3.2	239
9	Structure and floristic composition of the lowland rain forest of Los Tuxtlas, Mexico. <i>Plant Ecology</i> , 1988, 74, 55-80.	1.2	233
10	Biodiversity and climate determine the functioning of Neotropical forests. <i>Global Ecology and Biogeography</i> , 2017, 26, 1423-1434.	5.8	193
11	Successional Change and Resilience of a Very Dry Tropical Deciduous Forest Following Shifting Agriculture. <i>Biotropica</i> , 2008, 40, 422-431.	1.6	185
12	Environmental changes during secondary succession in a tropical dry forest in Mexico. <i>Journal of Tropical Ecology</i> , 2011, 27, 477-489.	1.1	172
13	Multidimensional tropical forest recovery. <i>Science</i> , 2021, 374, 1370-1376.	12.6	165
14	Floristic composition and structure of vegetation under isolated trees in neotropical pastures. <i>Journal of Vegetation Science</i> , 1992, 3, 655-664.	2.2	164
15	Phylogenetic classification of the world'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
16	Pathways, mechanisms and predictability of vegetation change during tropical dry forest succession. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2010, 12, 267-275.	2.7	123
17	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. <i>Nature Ecology and Evolution</i> , 2019, 3, 928-934.	7.8	120
18	Tropical montane cloud forests: Current threats and opportunities for their conservation and sustainable management in Mexico. <i>Journal of Environmental Management</i> , 2011, 92, 974-981.	7.8	114

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19	Legume abundance along successional and rainfall gradients in Neotropical forests. <i>Nature Ecology and Evolution</i> , 2018, 2, 1104-1111.	7.8	107
20	Functional Trait Strategies of Trees in Dry and Wet Tropical Forests Are Similar but Differ in Their Consequences for Succession. <i>PLoS ONE</i> , 2015, 10, e0123741.	2.5	102
21	$\hat{\beta}$ -Diversity and vegetation structure as influenced by slope aspect and altitude in a seasonally dry tropical landscape. <i>Landscape Ecology</i> , 2009, 24, 473-482.	4.2	100
22	Fire in the tropical gallery forests of Belize. <i>Journal of Biogeography</i> , 1997, 24, 23-34.	3.0	96
23	Maintenance of Rain Forest Diversity in Riparian Forests of Tropical Savannas: Implications for Species Conservation During Pleistocene Drought. <i>Journal of Biogeography</i> , 1994, 21, 121.	3.0	92
24	Effects of slope aspect and topographic position on environmental variables, disturbance regime and tree community attributes in a seasonal tropical dry forest. <i>Journal of Vegetation Science</i> , 2016, 27, 1094-1103.	2.2	82
25	Riparian Habitats as Tropical Forest Refugia. <i>Global Ecology and Biogeography Letters</i> , 1991, 1, 69.	0.6	79
26	Higher Taxa as Surrogates of Plant Biodiversity in a Megadiverse Country. <i>Conservation Biology</i> , 2005, 19, 232-238.	4.7	76
27	ENVIRONMENTAL DETERIORATION IN RURAL MEXICO: AN EXAMINATION OF THE CONCEPT. , 1997, 7, 316-329.		73
28	Vegetación y flora de la región de Nizanda, istmo de Tehuantepec, Oaxaca, México. <i>Acta Botanica Mexicana</i> , 2001, , 19-88.	0.3	73
29	Cultural change and loss of ethnoecological knowledge among the Isthmus Zapotecs of Mexico. <i>Journal of Ethnobiology and Ethnomedicine</i> , 2013, 9, 40.	2.6	65
30	Predicting Tropical Dry Forest Successional Attributes from Space: Is the Key Hidden in Image Texture?. <i>PLoS ONE</i> , 2012, 7, e30506.	2.5	65
31	Conserving Tropical Tree Diversity and Forest Structure: The Value of Small Rainforest Patches in Moderately-Managed Landscapes. <i>PLoS ONE</i> , 2014, 9, e98931.	2.5	64
32	Modeling $\hat{\beta}$ - and $\hat{\beta}$ -diversity in a tropical forest from remotely sensed and spatial data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2012, 19, 359-368.	2.8	62
33	Patterns in the vertical structure of the tropical lowland rain forest of Los Tuxtlas, Mexico. <i>Plant Ecology</i> , 1988, 74, 81-91.	1.2	56
34	Biogeographical analysis of the tree flora of the Yucatan Peninsula. <i>Journal of Biogeography</i> , 2002, 29, 17-29.	3.0	56
35	The role of rustic coffee plantations in the conservation of wild tree diversity in the Chinantec region of Mexico. <i>Biodiversity and Conservation</i> , 2005, 14, 1225-1240.	2.6	51
36	The Potential of Tree Rings for the Study of Forest Succession in Southern Mexico. <i>Biotropica</i> , 2009, 41, 186-195.	1.6	50

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37	Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. <i>Journal of Ecology</i> , 2015, 103, 1276-1290.	4.0	50
38	Reproductive phenology of useful Seasonally Dry Tropical Forest trees: Guiding patterns for seed collection and plant propagation in nurseries. <i>Forest Ecology and Management</i> , 2017, 393, 52-62.	3.2	46
39	Heterogeneity of xerophytic vegetation of limestone outcrops in a tropical deciduous forest region in southern Mexico. <i>Plant Ecology</i> , 2005, 175, 147-163.	1.6	41
40	Socioeconomic context of land use and land cover change in Mexican biosphere reserves. <i>Environmental Conservation</i> , 2009, 36, 180-191.	1.3	41
41	Vegetation Heterogeneity and Life-Strategy Diversity in the Flora of the Heterogeneous Landscape of Nizanda, Oaxaca, Mexico. <i>Folia Geobotanica</i> , 2010, 45, 143-161.	0.9	41
42	Combining geostatistical models and remotely sensed data to improve tropical tree richness mapping. <i>Ecological Indicators</i> , 2011, 11, 1046-1056.	6.3	40
43	The effect of natural disturbances on forest biodiversity: an ecological synthesis. <i>Biological Reviews</i> , 2022, 97, 1930-1947.	10.4	40
44	$\beta$ -Diversity of Functional Groups of Woody Plants in a Tropical Dry Forest in Yucatan. <i>PLoS ONE</i> , 2013, 8, e73660.	2.5	39
45	Effect of forest fragmentation on the woody flora of the highlands of Chiapas, Mexico. <i>Biodiversity and Conservation</i> , 2004, 13, 867-884.	2.6	38
46	Demographic Drivers of Aboveground Biomass Dynamics During Secondary Succession in Neotropical Dry and Wet Forests. <i>Ecosystems</i> , 2017, 20, 340-353.	3.4	37
47	Isolated Pasture Trees and the Vegetation under their Canopies in the Chiapas Coastal Plain, Mexico. <i>Biotropica</i> , 1999, 31, 243-254.	1.6	35
48	Functional recovery of secondary tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	34
49	Partitioning the variation of woody plant $\beta$ -diversity in a landscape of secondary tropical dry forests across spatial scales. <i>Journal of Vegetation Science</i> , 2013, 24, 33-45.	2.2	33
50	Is facilitation a promising strategy for cloud forest restoration?. <i>Forest Ecology and Management</i> , 2014, 329, 328-333.	3.2	32
51	The scale of landscape effect on seed dispersal depends on both response variables and landscape predictor. <i>Landscape Ecology</i> , 2019, 34, 1069-1080.	4.2	31
52	Elevational Variation of Leaf Traits in Montane Rain Forest Tree Species at La Chinantla, Southern Mexico. <i>Biotropica</i> , 2002, 34, 534.	1.6	30
53	Coexistence and divergence of tropical dry forests and savannas in southern Mexico. <i>Journal of Biogeography</i> , 2006, 33, 438-447.	3.0	29
54	Seedling biomass allocation and vital rates of cloud forest tree species: Responses to light in shade house conditions. <i>Forest Ecology and Management</i> , 2009, 258, 1650-1659.	3.2	26

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55	Can Pinus plantations facilitate reintroduction of endangered cloud forest species?. <i>Landscape and Ecological Engineering</i> , 2016, 12, 99-104.	1.5	26
56	Elevational Variation of Leaf Traits in Montane Rain Forest Tree Species at La Chinantla, Southern Mexico. <i>Biotropica</i> , 2002, 34, 534-546.	1.6	25
57	Spatial structure of plant communities in a complex tropical landscape: implications for $\hat{\alpha}^2$ -diversity. <i>Community Ecology</i> , 2010, 11, 202-210.	0.9	24
58	Elevational patterns in the vascular flora of a highly diverse region in southern Mexico. <i>Plant Ecology</i> , 2012, 213, 1209-1220.	1.6	24
59	Regional context and dispersal mode drive the impact of landscape structure on seed dispersal. <i>Ecological Applications</i> , 2020, 30, e02033.	3.8	24
60	Vegetation recovery and plant facilitation in a human-disturbed lava field in a megacity: searching tools for ecosystem restoration. <i>Plant Ecology</i> , 2013, 214, 153-167.	1.6	23
61	Environmental determinism and neutrality in vegetation at millennial time scales. <i>Journal of Vegetation Science</i> , 2014, 25, 627-635.	2.2	23
62	Flora y vegetaci3n de los tr3picos estacionalmente secos en M3xico: origen e implicaciones biogeogr3ficas. <i>Acta Botanica Mexicana</i> , 2012, , 149.	0.3	21
63	Growth analysis of nine multipurpose woody legumes native from southern Mexico. <i>Forest Ecology and Management</i> , 1998, 110, 329-341.	3.2	20
64	Checklist of the vascular flora of a portion of the hyper-humid region of La Chinantla, Northern Oaxaca Range, Mexico. <i>Botanical Sciences</i> , 2017, 95, 722-759.	0.8	20
65	Reproductive Phenology and Seed Germination in Eight Tree Species From a Seasonally Dry Tropical Forest of Morelos, Mexico: Implications for Community-Oriented Restoration and Conservation. <i>Tropical Conservation Science</i> , 2018, 11, 194008291774994.	1.2	19
66	Estructura, composici3n y diversidad de la selva baja caducifolia del Cerro Verde, Nizanda (Oaxaca), M3xico. <i>Botanical Sciences</i> , 2005, , 19-35.	0.8	19
67	The relationship of meteorological patterns with changes in floristic richness along a large elevational gradient in a seasonally dry region of southern Mexico. <i>International Journal of Biometeorology</i> , 2015, 59, 1861-1874.	3.0	17
68	Edaphic and seasonal heterogeneity of seed banks in agricultural fields of a tropical dry forest region in southern Mexico. <i>Botanical Sciences</i> , 2012, 90, 313-329.	0.8	15
69	Variation of functional traits in trees from a biogeographically complex Mexican cloud forest. <i>Acta Oecologica</i> , 2008, 34, 111-121.	1.1	14
70	Lands at risk: Land use/land cover change in two contrasting tropical dry regions of Mexico. <i>Applied Geography</i> , 2018, 99, 22-30.	3.7	14
71	The Tree Biodiversity Network (BIOTREE-NET): prospects for biodiversity research and conservation in the Neotropics. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 211-224.	0.3	14
72	The effect of treefall gaps on the understory structure and composition of the tropical dry forest of Nizanda, Oaxaca, Mexico: implications for forest regeneration. <i>Journal of Tropical Ecology</i> , 2016, 32, 89-106.	1.1	13

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73	Individual Canopy-tree Species Effects on Their Immediate Understory Microsite and Sapling Community Dynamics. <i>Biotropica</i> , 2011, 43, 572-581.	1.6	12
74	Predicting old-growth tropical forest attributes from very high resolution (VHR)-derived surface metrics. <i>International Journal of Remote Sensing</i> , 2017, 38, 492-513.	2.9	12
75	Experimental reintroduction and host preference of the microendemic and endangered orchid <i>Barkeria whartonia</i> in a Mexican Tropical Dry Forest. <i>Journal for Nature Conservation</i> , 2018, 43, 156-164.	1.8	12
76	Tree recruitment failure in old-growth forest patches across human-modified rainforests. <i>Journal of Ecology</i> , 2021, 109, 2354-2366.	4.0	12
77	Stem tilting in the inter-tropical cactus <i>Chinocactus platyacanthus</i> : an adaptive solution to the trade-off between radiation acquisition and temperature control. <i>Plant Biology</i> , 2014, 16, 571-577.	3.8	11
78	Fragmentation and matrix contrast favor understory plants through negative cascading effects on a strong competitor palm. <i>Ecological Applications</i> , 2018, 28, 1546-1553.	3.8	11
79	Did the community structure of a coral reef patch affected by a ship grounding recover after 15 years? Merging historical and recent data sets. <i>Ocean and Coastal Management</i> , 2017, 144, 59-70.	4.4	10
80	The role of edaphic factors on plant species richness and diversity along altitudinal gradients in the Brazilian semi-arid region. <i>Journal of Tropical Ecology</i> , 2020, 36, 199-212.	1.1	10
81	Estructura y composición florística de las sabanas de la región de Nizanda, Istmo de Tehuantepec (Oaxaca), México. <i>Acta Botanica Mexicana</i> , 2006, , 41-67.	0.3	10
82	Strong floristic distinctiveness across Neotropical successional forests. <i>Science Advances</i> , 2022, 8, .	10.3	10
83	Spatial structure of the abiotic environment and its association with sapling community structure and dynamics in a cloud forest. <i>International Journal of Biometeorology</i> , 2012, 56, 305-318.	3.0	9
84	Guiding seed source selection for the production of tropical dry forest trees: <i>Couleria platyloba</i> as study model. <i>Forest Ecology and Management</i> , 2019, 446, 105-114.	3.2	9
85	Floristic and structural contrasts between natural savannas and anthropogenic pastures in a tropical dry landscape. <i>Rangeland Journal</i> , 2007, 29, 181.	0.9	8
86	El bosque mesófilo de la región de Puerto Soledad (Oaxaca), México: Análisis estructural. <i>Botanical Sciences</i> , 1999, , 23-37.	0.8	8
87	Relating species richness to the structure of continuous landscapes: alternative methodological approaches. <i>Ecosphere</i> , 2018, 9, e02189.	2.2	7
88	Successional dynamics of the bee community in a tropical dry forest: Insights from taxonomy and functional ecology. <i>Biotropica</i> , 2019, 51, 62-74.	1.6	7
89	Wood density, deposits and mineral inclusions of successional tropical dry forest species. <i>European Journal of Forest Research</i> , 2020, 139, 369-381.	2.5	7
90	Autogenic regulation and resilience in tropical dry forest. <i>Journal of Ecology</i> , 2021, 109, 3295-3307.	4.0	7

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91	Structure and diversity of oak forests in the El Tepozteco National Park (Morelos, Mexico). <i>Botanical Sciences</i> , 2015, 93, 429.	0.8	7
92	Seasonal and successional dynamics of size-dependent plant demographic rates in a tropical dry forest. <i>PeerJ</i> , 2020, 8, e9636.	2.0	7
93	Using Google Earth Surface Metrics to Predict Plant Species Richness in a Complex Landscape. <i>Remote Sensing</i> , 2016, 8, 865.	4.0	6
94	Canopy height variation and environmental heterogeneity in the tropical dry forests of coastal Oaxaca, Mexico. <i>Biotropica</i> , 2018, 50, 26-38.	1.6	6
95	Análisis estructural de un bosque mesófilo de montaña en el extremo oriental de la Sierra Madre del Sur (Oaxaca), México. <i>Botanical Sciences</i> , 2004, , 13-29.	0.8	6
96	Wood anatomy of dominant species with contrasting ecological performance in tropical dry forest succession. <i>Plant Biosystems</i> , 2020, 154, 524-534.	1.6	5
97	Estructura y diversidad de especies leñosas del matorral rosetófilo de <i>Dasyllirion cedrosanum</i> (Nolinaceae) del centro y sur del estado de Coahuila, Mexico.. <i>Botanical Sciences</i> , 2014, 91, 335.	0.8	5
98	Interplay of environmental cues and wood density in the vegetative and reproductive phenology of seasonally dry tropical forest trees. <i>Biotropica</i> , 2022, 54, 500-514.	1.6	5
99	Landscape-scale effects of geomorphological heterogeneity on variability of oak forest structure and composition in a monogenetic volcanic field. <i>Plant Ecology and Diversity</i> , 2017, 10, 167-174.	2.4	3
100	Spatial correlates of floristic and structural variation in a Neotropical wetland forest. <i>Wetlands Ecology and Management</i> , 2020, 28, 341-356.	1.5	3
101	Using spatial patterns of seeds and saplings to assess the prevalence of heterospecific replacements among cloud forest canopy tree species. <i>Journal of Vegetation Science</i> , 2021, 32, e13083.	2.2	3
102	Deterioro ambiental, una propuesta conceptual para zonas rurales de México. <i>Economía, Sociedad Y Territorio</i> , 0, , .	0.1	3
103	Forest loss and treeless matrices cause the functional impoverishment of sapling communities in old-growth forest patches across tropical regions. <i>Journal of Applied Ecology</i> , 2022, 59, 1897-1910.	4.0	3
104	The above-ground functional space of tropical dry forest communities responds to local hydric habitats. <i>Biotropica</i> , 0, , .	1.6	3
105	Integrating conservation and socioeconomic development: the potential of community nurseries in Mexican protected areas. <i>Environmental Conservation</i> , 2019, 46, 310-317.	1.3	2
106	Integrating pattern-based modelling and political ecology in land-use change research: the case of Mexican dry tropics. <i>Journal of Land Use Science</i> , 2020, 15, 252-269.	2.2	2
107	Synergic Effect of <i>Mucuna pruriens</i> var. <i>Utilis</i> (Fabaceae) and <i>Pontoscolex corethrurus</i> (Oligochaeta, Glossoscolecidae) on the Growth of <i>Quercus insignis</i> (Fagaceae) Seedlings, a Native Species of the Mexican Cloud Forest. <i>Open Journal of Forestry</i> , 2014, 04, 1-7.	0.3	2
108	Botanical Sciences, nuevo nombre y otras adecuaciones editoriales para el Boletín de la Sociedad Botánica de México. <i>Botanical Sciences</i> , 2012, 90, 1-11.	0.8	2

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109	Quantifying phenological diversity: a framework based on Hill numbers theory. PeerJ, 2022, 10, e13412.	2.0	2
110	An Assessment of the Spatial Variability of Tropical Swamp Forest along a 300 km Long Transect in the Usumacinta River Basin, Mexico. Forests, 2020, 11, 1238.	2.1	1
111	LA VEGETACIÓN EN UN MUNDO CAMBIANTE: ESTADO BASAL, ESTABILIDAD Y RESILIENCIA DE UN SISTEMA COMPLEJO. , 0, , 1-23.		1
112	Pollination success in three tropical dry forest orchid species from Mexico: insights from floral display, visitation rates, and flower micromorphology. Botanical Sciences, 2021, 99, 771-790.	0.8	1
113	Editorial 75 aniversario 97(2) 2019. Botanical Sciences, 2019, 97, 133.	0.8	1
114	Light-related variation in sapling architecture of three shade-tolerant tree species of the Mexican rain forest. Revista Chilena De Historia Natural, 2008, 81, .	1.2	0
115	Environmental Deterioration in Rural Mexico: An Examination of the Concept. , 1997, 7, 316.		0