

Rodrigo Mendez-Alonzo

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,171
citations

567281

15
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

2604
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant height and hydraulic vulnerability to drought and cold. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7551-7556.	7.1	254
2	How do leaf veins influence the worldwide leaf economic spectrum? Review and synthesis. Journal of Experimental Botany, 2013, 64, 4053-4080.	4.8	171
3	Bark functional ecology: evidence for tradeoffs, functional coordination, and environment producing bark diversity. New Phytologist, 2014, 201, 486-497.	7.3	159
4	Coordinated evolution of leaf and stem economics in tropical dry forest trees. Ecology, 2012, 93, 2397-2406.	3.2	148
5	Leaf phenology is associated with soil water availability and xylem traits in a tropical dry forest. Trees - Structure and Function, 2013, 27, 745-754.	1.9	71
6	Specific Polyphenols and Tannins are Associated with Defense Against Insect Herbivores in the Tropical Oak <i>Quercus oleoides</i> . Journal of Chemical Ecology, 2014, 40, 458-467.	1.8	50
7	Latitudinal Variation in Leaf and Tree Traits of the Mangrove <i>Avicennia germinans</i> (<i>Avicenniaceae</i>) in the Central Region of the Gulf of Mexico. Biotropica, 2008, 40, 449-456.	1.6	49
8	Ecological variation in leaf biomechanics and its scaling with tissue structure across three mediterranean climate plant communities. Functional Ecology, 2013, 27, 544-554.	3.6	36
9	Root biomechanics in <i>Rhizophora mangle</i> : anatomy, morphology and ecology of mangrove's flying buttresses. Annals of Botany, 2015, 115, 833-840.	2.9	36
10	Osmotic and hydraulic adjustment of mangrove saplings to extreme salinity. Tree Physiology, 2016, 36, 1562-1572.	3.1	36
11	Leaf mass per area is independent of vein length per area: avoiding pitfalls when modelling phenotypic integration (reply to Blonder et al. 2014). Journal of Experimental Botany, 2014, 65, 5115-5123.	4.8	26
12	Dynamic control of osmolality and ionic composition of the xylem sap in two mangrove species. American Journal of Botany, 2014, 101, 1013-1022.	1.7	25
13	Altitudinal changes in tree leaf and stem functional diversity in a semi-tropical mountain. Journal of Vegetation Science, 2014, 25, 955-966.	2.2	23
14	Leaf water relations reflect canopy phenology rather than leaf life span in Sonoran Desert trees. Tree Physiology, 2021, 41, 1627-1640.	3.1	19
15	Salinity constrains size inequality and allometry in two contrasting mangrove habitats in the Gulf of Mexico. Journal of Tropical Ecology, 2012, 28, 171-179.	1.1	15
16	Contrasting leaf phenology in two white oaks, <i>Quercus magnoliifolia</i> and <i>Quercus resinosa</i> , along an altitudinal gradient in Mexico. Canadian Journal of Forest Research, 2013, 43, 208-213.	1.7	9
17	Vegetation Cover and Road Density as Indicators of Habitat Suitability for the Morelet's Crocodile. Journal of Herpetology, 2014, 48, 188-194.	0.5	9
18	Covariation between leaf hydraulics and biomechanics is driven by leaf density in Mediterranean shrubs. Trees - Structure and Function, 2019, 33, 507-519.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Functional traits indicate faster resource acquisition for alien herbs than native shrubs in an urban Mediterranean shrubland. <i>Biological Invasions</i> , 2020, 22, 2699-2712.	2.4	9
20	UAV-based thermal imaging and heat output estimation of a coastal geothermal resource: La Jolla beach, Baja California, Mexico. <i>Renewable Energy</i> , 2021, 168, 1364-1376.	8.9	8
21	Is Leaf Water-Repellency and Cuticle Roughness Linked to Flooding Regimes in Plants of Coastal Wetlands?. <i>Wetlands</i> , 2020, 40, 515-525.	1.5	5
22	Surface Reflectanceâ€œDerived Spectral Indices for Drought Detection: Application to the Guadalupe Valley Basin, Baja California, Mexico. <i>Land</i> , 2022, 11, 783.	2.9	2
23	Hydrological and topographic determinants of biomass and species richness in a Mediterranean-climate shrubland. <i>PLoS ONE</i> , 2021, 16, e0252154.	2.5	1
24	Allometry of two columnar cacti in a tropical deciduous forest. <i>Revista Brasileira De Botanica</i> , 0, , 1.	1.3	1