Jorge LÃ³pez-Portillo

List of Publications by Year
in descending order

85 papers	2,197 citations	186209 28 h-index	265120 42 g-index
86 all docs	86 docs citations	86 times ranked	2559 citing authors

#	Article	IF	Citations
1	Effect of degradation of a black mangrove forest on seasonal greenhouse gas emissions. Environmental Science and Pollution Research, 2022, 29, 11951-11965.	2.7	5
2	Foliar water uptake in eight mangrove species: Implications of morpho-anatomical traits. Flora: Morphology, Distribution, Functional Ecology of Plants, 2022, 293, 152100.	0.6	4
3	Partial canopy loss of mangrove trees: Mitigating water scarcity by physical adaptation and feedback on porewater salinity. Estuarine, Coastal and Shelf Science, 2021, 248, 106797.	0.9	8
4	Pantropical variability in tree crown allometry. Global Ecology and Biogeography, 2021, 30, 459-475.	2.7	27
5	Cooperative root graft networks benefit mangrove trees under stress. Communications Biology, 2021, 4, 513.	2.0	2
6	Renewable energy production in a Mexican biosphere reserve: Assessing the potential using a multidisciplinary approach. Science of the Total Environment, 2021, 776, 145823.	3.9	8
7	A systemic view of potential environmental impacts of ocean energy production. Renewable and Sustainable Energy Reviews, 2021, 149, 111332.	8.2	32
8	A Framework to Manage Coastal Squeeze. Sustainability, 2020, 12, 10610.	1.6	30
9	Regional Distribution and Change Dynamics of Mangroves in MÃ©xico between 1970/80 and 2015. Wetlands, 2020, 40, 1295-1305.	0.7	9
10	Functional anatomy and xylem cavitation resistance of three species of monocotyledons grown on flooded substrates. Physiologia Plantarum, 2020, 169, 571-585.	2.6	4
11	Determining hydrological flow paths to enhance restoration in impaired mangrove wetlands. PLoS ONE, 2020, 15, e0227665.	1.1	23
12	Coastal Ecosystems as an Ecological Membrane. Journal of Coastal Research, 2020, 95, 97.	0.1	8
13	Assessing Google Earth Pro Images for Detailed Conservation Diagnostics of Mangrove Communities. Journal of Coastal Research, 2019, 92, 33.	0.1	5
14	Phenology and floral synchrony of Rhizophora mangle along a natural salinity gradient. Biotropica, 2019, 51, 355-363.	0.8	8
15	Gulf of Mexico estuarine blue carbon stock, extent and flux: Mangroves, marshes, and seagrasses: A North American hotspot. Science of the Total Environment, 2019, 653, 1253-1261.	3.9	42
16	La arquitectura hidrÃ¡ulica de las plantas vasculares terrestres, una revisiÃ³n. Madera Bosques, 2019, 25, .	0.1	1
17	Interdisciplinary Criteria and Indicators to Identify Priorities for Beach and Dune Management. Coastal Research Library, 2018, , 635-657.	0.2	0
18	Change in drivers of mangrove crown displacement along a salinity stress gradient. Functional Ecology, 2018, 32, 2753-2765.	1.7	20

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19	Mangrove forests in a rapidly changing world: Global change impacts and conservation opportunities along the Gulf of Mexico coast. Estuarine, Coastal and Shelf Science, 2018, 214, 120-140.	0.9	83
20	Seasonal release of propagules in mangroves â€“ Assessment of current data. Aquatic Botany, 2017, 138, 92-99.	0.8	20
21	Water Quality and Mangrove-Derived Tannins in Four Coastal Lagoons from the Gulf of Mexico with Variable Hydrologic Dynamics. Journal of Coastal Research, 2017, 77, 28-38.	0.1	9
22	Behavioral Repertoires and Interactions between Apis mellifera (Hymenoptera: Apidae) and the Native Bee Lithurgus littoralis (Hymenoptera: Megachilidae) in Flowers of Opuntia huajuapensis (Cactaceae) in the TehuacÃ¡n Desert. Florida Entomologist, 2017, 100, 396-402.	0.2	4
23	Mangrove Forest Restoration and Rehabilitation. , 2017, , 301-345.		39
24	Seagrass blue carbon dynamics in the Gulf of Mexico: Stocks, losses from anthropogenic disturbance, and gains through seagrass restoration. Science of the Total Environment, 2017, 605-606, 626-636.	3.9	57
25	Stomatal density, leaf area and plant size variation of Rhizophora mangle (Malpighiales:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5 65, .	0.1	15
26	ColonizaciÃ³n y supervivencia de epibiontes sÃ©siles en substratos artificiales similares a rizÃ³foros de Rhizophora mangle (Rhizophoraceae) en La Mancha, MÃ©xico. Revista De Biologia Tropical, 2017, 65, .	0.1	2
27	Osmotic and hydraulic adjustment of mangrove saplings to extreme salinity. Tree Physiology, 2016, 36, 1562-1572.	1.4	36
28	Association of Juniperus deppeana (Cupressaceae: Pinales) seeds with Mexican cottontail rabbit (Sylvilagus cunicularius; Leporidae: Lagomorpha) latrines. Journal of Natural History, 2016, 50, 2547-2555.	0.2	4
29	A simple and cost-effective method for cable root detection and extension measurement in estuary wetland forests. Estuarine, Coastal and Shelf Science, 2016, 183, 117-122.	0.9	5
30	Coastal geomorphological cartography of Veracruz State, Mexico. Journal of Maps, 2016, 12, 316-323.	1.0	10
31	Root biomechanics in Rhizophora mangle: anatomy, morphology and ecology of mangroveâ€™s flying buttresses. Annals of Botany, 2015, 115, 833-840.	1.4	36
32	Avicennia germinans (black mangrove) vessel architecture is linked to chilling and salinity tolerance in the Gulf of Mexico. Frontiers in Plant Science, 2014, 5, 503.	1.7	54
33	Morphological plasticity in mangrove trees: salinity-related changes in the allometry of Avicennia germinans. Trees - Structure and Function, 2014, 28, 1413-1425.	0.9	41
34	The landscape of fear: the missing link to understand topâ€down and bottomâ€up controls of prey abundance?. Ecology, 2014, 95, 1141-1152.	1.5	139
35	Dynamic control of osmolality and ionic composition of the xylem sap in two mangrove species. American Journal of Botany, 2014, 101, 1013-1022.	0.8	25
36	VariaciÃ³n espacio-temporal de la comunidad de macroinvertebrados epibiontes en las raÃces del mangle rojo Rhizophora mangle (Rhizophoraceae) en la laguna costera de La Mancha, Veracruz, MÃ©xico. Revista De Biologia Tropical, 2014, 62, 1309.	0.1	15

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37	Factors Determining Mortality of Adult Chaparral Shrubs in an Extreme Drought Year in California. Aliso, 2013, 31, 49-57.	0.4	39
38	Salinity constrains size inequality and allometry in two contrasting mangrove habitats in the Gulf of Mexico. Journal of Tropical Ecology, 2012, 28, 171-179.	0.5	15
39	Artificial modifications of the coast in response to theDeepwater Horizonoil spill: quick solutions or long-term liabilities?. Frontiers in Ecology and the Environment, 2012, 10, 44-49.	1.9	30
40	Efecto de la presencia de la araÃ±a Peucetia viridans (Oxyopidae) en los visitantes florales y la producciÃ³n de semillas de Cnidoscolus multilobus (Euphorbiaceae). Acta Botanica Mexicana, 2012, , 1-14.	0.1	8
41	RelaciÃ³n entre la heterogeneidad del paisaje y la riqueza de especies de flora en cuencas costeras del estado de Veracruz, MÃ©xico. Investigaciones GeogrÃ¡ficas, 2012, , .	0.0	1
42	Tale of two metrics: density and biomass in a desert rodent community. Journal of Mammalogy, 2011, 92, 840-851.	0.6	17
43	Assessment of Vulnerability and Integrated Management of Coastal Dunes in Veracruz, Mexico. Coastal Management, 2011, 39, 492-514.	1.0	6
44	Plant productivity, predation, and the abundance of black-tailed jackrabbits in the Chihuahuan Desert of Mexico. Journal of Arid Environments, 2011, 75, 1043-1049.	1.2	13
45	Nitrogen Fixation in Preserved, Reforested, Naturally Regenerated and Impaired Mangroves as an Indicator of Functional Restoration in Mangroves in an Arid Region of Mexico. Restoration Ecology, 2011, 19, 236-244.	1.4	51
46	N2-fixation along a gradient of long-term disturbance in tropical mangroves bordering the gulf of Mexico. Biology and Fertility of Soils, 2011, 47, 567-576.	2.3	16
47	Bee diversity on nectarful and nectarless honey mesquites. Journal of Insect Conservation, 2010, 14, 217-226.	0.8	6
48	Use of Food and Space by Tunneler Dung Beetles (Coleoptera; Scarabaeinae) During Reproduction. Environmental Entomology, 2010, 39, 1165-1169.	0.7	4
49	Cerambycid girdling and water stress modify mesquite architecture and reproduction. Population Ecology, 2009, 51, 533-541.	0.7	18
50	Interaction of alongshore sediment transport and habitat conditions at Laguna La Mancha, Veracruz, Mexico. Journal of Coastal Conservation, 2009, 13, 77-87.	0.7	18
51	Latitudinal Variation in Leaf and Tree Traits of the Mangrove Avicennia germinans (Avicenniaceae) in the Central Region of the Gulf of Mexico. Biotropica, 2008, 40, 449-456.	0.8	49
52	Vessel Redundancy: Modeling Safety In Numbers. IAWA Journal, 2007, 28, 373-388.	2.7	51
53	The mangrove communities in the Arroyo Seco deltaic fan, Jalisco, Mexico, and their relation with the geomorphic and physicalâ€“geographic zonation. Catena, 2007, 70, 127-142.	2.2	26
54	The holoparasitic endophyte Bdallophyton americanum affects root water conductivity of the tree Bursera simaruba. Trees - Structure and Function, 2007, 21, 215-220.	0.9	5

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55	Litterfall and Decomposition of Rhizophora mangle L. in a Coastal Lagoon in the Southern Gulf of Mexico. Hydrobiologia, 2006, 559, 101-111.	1.0	55
56	Sap salinity effects on xylem conductivity in two mangrove species. Plant, Cell and Environment, 2005, 28, 1285-1292.	2.8	77
57	Changes in rodent community structure in the Chihuahuan Desert MÃ©xico: comparisons between two habitats. Journal of Arid Environments, 2005, 60, 239-257.	1.2	34
58	Hydraulic conductivity and embolism in the mangrove tree Laguncularia racemosa. Tree Physiology, 2004, 24, 1057-1062.	1.4	36
59	The Cohesionâ€Tension Theory. New Phytologist, 2004, 163, 451-452.	3.5	68
60	The demographic costs of nectar production in the desert perennial Prosopis glandulosa (Mimosoideae): a modular approach. Plant Ecology, 2004, 170, 267-275.	0.7	16
61	Allometry of Prosopis glandulosa var. torreyana along a topographic gradient in the Chihuahuan desert. Journal of Vegetation Science, 2003, 14, 111-120.	1.1	28
62	Growth and Architecture of Small Honey Mesquites under Jackrabbit Browsing: Overcoming the Disadvantage of being Eaten. Annals of Botany, 2003, 92, 365-375.	1.4	12
63	Allometry of Prosopis glandulosa var. torreyana along a topographic gradient in the Chihuahuan desert. Journal of Vegetation Science, 2003, 14, 111.	1.1	8
64	Functional anatomy of the secondary xylem of roots of the mangrove Laguncularia racemosa (L.) Gaertn. (Combretaceae). Trees - Structure and Function, 2002, 16, 338-345.	0.9	15
65	Hydraulic architecture of Monstera acuminata : evolutionary consequences of the hemiepiphytic growth form. New Phytologist, 2000, 145, 289-299.	3.5	34
66	Why be a honeyless honey mesquite? Reproduction and mating system of nectarful and nectarless individuals. American Journal of Botany, 1999, 86, 955-963.	0.8	36
67	Demography of the invasive woody perennial Prosopis glandulosa (honey mesquite). Journal of Ecology, 1999, 87, 955-962.	1.9	38
68	Economic potential of the huizache,Acacia Pennatula (Mimosoideae) in central veracruz, Mexico. Economic Botany, 1999, 53, 15-29.	0.8	11
69	Spatial distribution of Prosopis glandulosa var. torreyana in vegetation stripes of the southern Chihuahuan Desert. Acta Oecologica, 1999, 20, 197-208.	0.5	20
70	DistribuciÃ³n del manglar en cuatro sistemas lagunares en la costa de Chiapas, MÃ©xico. Botanical Sciences, 1999, , 25-34.	0.3	3
71	Survey of Root Pressure in Tropical Vines and Woody Species. International Journal of Plant Sciences, 1997, 158, 44-50.	0.6	105
72	Stem demography ofProsopis glandulosavar.torreyanain vegetation arcs and associated bare areas. Journal of Vegetation Science, 1996, 7, 901-910.	1.1	11

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73	Parental care and offspring survival inCopris incertusSay, a sub-social beetle. Animal Behaviour, 1996, 52, 133-139.	0.8	31
74	Nectarless Honey Mesquites. Functional Ecology, 1993, 7, 452.	1.7	20
75	Water Flows and the Dynamics of Desert Vegetation Stripes. Ecological Studies, 1992, , 327-345.	0.4	46
76	The Response of Two Woody Species to the Conditions Created by a Shifting Ecotone in an Arid Ecosystem. Journal of Ecology, 1990, 78, 789.	1.9	74
77	Response of Three Mangroves to Salinity in Two Geoforms. Functional Ecology, 1989, 3, 355.	1.7	34
78	Zonation in Mangrove and Salt Marsh Vegetation at Laguna de Mecoacan, Mexico. Biotropica, 1989, 21, 107.	0.8	27
79	Los petenes de Sian Ka'an, Quintana Roo y su relaciÃ³n con gradientes de presiÃ³n hÃdrica. Acta Botanica Mexicana, 1989, , 19.	0.1	9
80	The desert vegetation of El Pinacate, Sonora, Mexico. Plant Ecology, 1987, 71, 49-60.	1.2	34
81	Litter Fall of Avicennia germinans L. in a One-Year Cycle in a Mudflat at the Laguna de Mecoacan, Tabasco, Mexico. Biotropica, 1985, 17, 186.	0.8	63
82	Los manglares de MÃ©xico: una revisiÃ³n. Madera Bosques, 0, 8, 27-51.	0.1	38
83	Bioprospecting of fungi with antiproliferative activity from the mangrove sediment of the Tampamachoco coastal lagoon, Veracruz, Mexico. Scientia Fungorum, 0, 48, 53-60.	0.3	3
84	VariaciÃ³n anatÃ³mica de la madera de Avicennia germinans en la Laguna de la Mancha, Veracruz, MÃ©xico. Botanical Sciences, 0, 85, 7.	0.3	4
85	Allometry of two columnar cacti in a tropical deciduous forest. Revista Brasileira De Botanica, 0, , 1.	0.5	1