

Luis A Mendez-Barroso

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

539
citations

840585

11
h-index

839398

18
g-index

21
all docs

21
docs citations

21
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal and interannual relations between precipitation, surface soil moisture and vegetation dynamics in the North American monsoon region. <i>Journal of Hydrology</i> , 2009, 377, 59-70.	2.3	114
2	Variation of Hydrometeorological Conditions along a Topographic Transect in Northwestern Mexico during the North American Monsoon. <i>Journal of Climate</i> , 2007, 20, 1792-1809.	1.2	69
3	Vegetation controls on soil moisture distribution in the Valles Caldera, New Mexico, during the North American monsoon. <i>Ecohydrology</i> , 2008, 1, 225-238.	1.1	66
4	High-resolution characterization of a semiarid watershed: Implications on evapotranspiration estimates. <i>Journal of Hydrology</i> , 2014, 509, 306-319.	2.3	44
5	A modeling approach reveals differences in evapotranspiration and its partitioning in two semiarid ecosystems in Northwest Mexico. <i>Water Resources Research</i> , 2014, 50, 3229-3252.	1.7	43
6	Hyperresolution hydrologic modeling in a regional watershed and its interpretation using empirical orthogonal functions. <i>Advances in Water Resources</i> , 2015, 83, 190-206.	1.7	36
7	Quantifying water stress on wheat using remote sensing in the Yaqui Valley, Sonora, Mexico. <i>Agricultural Water Management</i> , 2008, 95, 725-736.	2.4	34
8	Observed shifts in land surface conditions during the North American Monsoon: Implications for a vegetation-rainfall feedback mechanism. <i>Journal of Arid Environments</i> , 2010, 74, 549-555.	1.2	33
9	Improved land-atmosphere relations through distributed footprint sampling in a subtropical scrubland during the North American monsoon. <i>Journal of Arid Environments</i> , 2010, 74, 579-584.	1.2	23
10	On the ecohydrology of the Yucatan Peninsula: Evapotranspiration and carbon intake dynamics across an eco-climatic gradient. <i>Hydrological Processes</i> , 2018, 32, 2806-2828.	1.1	14
11	Design and implementation of a low-cost multiparameter probe to evaluate the temporal variations of water quality conditions on an estuarine lagoon system. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 710.	1.3	14
12	Global application of an unoccupied aerial vehicle photogrammetry protocol for predicting aboveground biomass in non-forest ecosystems. <i>Remote Sensing in Ecology and Conservation</i> , 2022, 8, 57-71.	2.2	13
13	Long-term research catchments to investigate shrub encroachment in the Sonoran and Chihuahuan deserts: Santa Rita and Jornada experimental ranges. <i>Hydrological Processes</i> , 2021, 35, e14031.	1.1	10
14	Ecosystem Productivity and Evapotranspiration Dynamics of a Seasonally Dry Tropical Forest of the Yucatan Peninsula. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	7
15	Estimation of hydromorphological attributes of a small forested catchment by applying the Structure from Motion (SfM) approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 69, 186-197.	1.4	6
16	Environmental Controls on the Temporal Evolution of Energy and CO ₂ Fluxes on an Arid Mangrove of Northwestern Mexico. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005932.	1.3	6
17	Water isotope variation in an ecohydrologic context at a seasonally dry tropical forest in northwest Mexico. <i>Journal of Arid Environments</i> , 2022, 196, 104658.	1.2	3
18	Precipitation of secondary phases of iron and its role in controlling the mobility of potentially toxic elements in soils in a semiarid river basin in Northwest Mexico. <i>Journal of Soils and Sediments</i> , 2020, 20, 3974-3993.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Image dataset acquired from an unmanned aerial vehicle over an experimental site within El Soldado estuary in Guaymas, Sonora, MÃ©xico. Data in Brief, 2020, 30, 105425.	0.5	1
20	Evapotranspiration flux partitioning at a multi-species shrubland with stable isotopes of soil, plant, and atmosphere water pools. , 0, , .		1
21	Using ion-exchange resins to monitor nitrate fluxes in remote semiarid stream beds. Environmental Monitoring and Assessment, 2022, 194, 376.	1.3	1