

Francisco Munoz-Arriola

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

927
citations

623574

14
h-index

552653

26
g-index

35
all docs

35
docs citations

35
times ranked

1539
citing authors

#	ARTICLE	IF	CITATIONS
1	A spatially comprehensive, hydrometeorological data set for Mexico, the U.S., and Southern Canada 1950–2013. <i>Scientific Data</i> , 2015, 2, 150042.	2.4	277
2	Are climatic or land cover changes the dominant cause of runoff trends in the Upper Mississippi River Basin?. <i>Geophysical Research Letters</i> , 2013, 40, 1104-1110.	1.5	97
3	Spatially explicit forecasts of large wildland fire probability and suppression costs for California. <i>International Journal of Wildland Fire</i> , 2011, 20, 508.	1.0	65
4	Predictability of Evapotranspiration Patterns Using Remotely Sensed Vegetation Dynamics during the North American Monsoon. <i>Journal of Hydrometeorology</i> , 2012, 13, 103-121.	0.7	59
5	Long-Term Regional Estimates of Evapotranspiration for Mexico Based on Downscaled ISCCP Data. <i>Journal of Hydrometeorology</i> , 2010, 11, 253-275.	0.7	58
6	Performance assessment of factory and field calibrations for electromagnetic sensors in a loam soil. <i>Agricultural Water Management</i> , 2018, 196, 87-98.	2.4	44
7	Incorporation of globally available datasets into the roving cosmic-ray neutron probe method for estimating field-scale soil water content. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3859-3872.	1.9	38
8	Semi-seasonal groundwater forecast using multiple data-driven models in an irrigated cropland. <i>Journal of Hydroinformatics</i> , 2018, 20, 1227-1246.	1.1	37
9	A simple machine learning approach to model real-time streamflow using satellite inputs: Demonstration in a data scarce catchment. <i>Journal of Hydrology</i> , 2021, 595, 126046.	2.3	29
10	Sensitivity of the water resources of Rio Yaqui Basin, Mexico, to agriculture extensification under multiscale climate conditions. <i>Water Resources Research</i> , 2009, 45, .	1.7	27
11	A Spatially Enhanced Data-Driven Multimodel to Improve Semiseasonal Groundwater Forecasts in the High Plains Aquifer, USA. <i>Water Resources Research</i> , 2019, 55, 5941-5961.	1.7	27
12	A Machine Learning Approach for Improving Near-Real-Time Satellite-Based Rainfall Estimates by Integrating Soil Moisture. <i>Remote Sensing</i> , 2019, 11, 2221.	1.8	26
13	Multi-satellite precipitation products for meteorological drought assessment and forecasting in Central India. <i>Geocarto International</i> , 2022, 37, 1899-1918.	1.7	25
14	Sensitivity analysis of data-driven groundwater forecasts to hydroclimatic controls in irrigated croplands. <i>Journal of Hydrology</i> , 2020, 587, 124957.	2.3	16
15	Climate change implications for irrigation and groundwater in the Republican River Basin, USA. <i>Climatic Change</i> , 2018, 151, 303-316.	1.7	14
16	Spatial Heterogeneity of Temporal Shifts in Extreme Precipitation across India. <i>Journal of Climate Change</i> , 2019, 5, 19-31.	0.2	11
17	Variability of extreme precipitation in coastal river basins of the southern Mexican Pacific region. <i>Geofisica International</i> , 2013, 52, 277-291.	0.2	10
18	A Framework for Tracing Social–Ecological Trajectories and Traps in Intensive Agricultural Landscapes. <i>Sustainability</i> , 2018, 10, 1646.	1.6	10

#	ARTICLE	IF	CITATIONS
19	Nutrient dynamics of the Brahmaputra (tropical river) during the monsoon period. , 0, 76, 212-224.		7
20	Multi-feature data repository development and analytics for image cosegmentation in high-throughput plant phenotyping. PLoS ONE, 2021, 16, e0257001.	1.1	5
21	Climate and genetic data enhancement using deep learning analytics to improve maize yield predictability. Journal of Experimental Botany, 2022, 73, 5336-5354.	2.4	5
22	Improvements in Sub-Catchment Fractional Snowpack and Snowmelt Parameterizations and Hydrologic Modeling for Climate Change Assessments in the Western Himalayas. Hydrology, 2021, 8, 179.	1.3	5
23	Modeling Water Quantity and Quality Nonlinearities for Watershed Adaptability to Hydroclimate Extremes in Agricultural Landscapes. Hydrology, 2022, 9, 80.	1.3	5
24	Flood-Risk Analytics for Climate-Resilient Agriculture Using Remote Sensing in the Northern High Plains. , 2021, , .		4
25	Trajectory Selection for Power-over-Tether Atmospheric Sensing UAS. , 2021, , .		4
26	Reply to comments on "Performance assessment of factory and field calibrations for electromagnetic sensors in a loam soil". Agricultural Water Management, 2018, 203, 272-276.	2.4	3
27	"Economic Analysis of Deficit Irrigation in Sugarcane Farming: Nchalo Estate, Chikwawa District, Malawi". , 2019, , .		3
28	"Power-over-Tether UAS Leveraged for Nearly-Indefinite Meteorological Data Acquisition". , 2020, , .		3
29	Common Pool Resource Management: Assessing Water Resources Planning for Hydrologically Connected Surface and Groundwater Systems. Hydrology, 2021, 8, 51.	1.3	3
30	Efforts to Build Infrastructure Resiliency to Future Hydroclimate Extremes. , 2021, , .		3
31	"Analytics for climate-uncertainty estimation and propagation in maize-phenotype predictions". , 2020, , .		2
32	Conceptual Framework to Integrate Economic Drivers of Decision Making for Technology Adoption in Agriculture. Engineering Proceedings, 2022, 9, .	0.4	2
33	Geospatial Synthesis of Biogeochemical Attributions of Porphyrins to Oil Pollution in Marine Sediments of the Gulf of Mexico. Geosciences (Switzerland), 2022, 12, 77.	1.0	2
34	"Geospatial upscaling of atrazine's transport using electromagnetic induction across point to field scales". , 2020, , .		1
35	Simplification of Complex Environmental Variations on Maize-Phenotype Predictability. , 2020, , .		0