

Jos Luis Molina

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2874505/jose-luis-molina-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

658
citations

14
h-index

24
g-index

54
ext. papers

762
ext. citations

3.6
avg, IF

4.38
L-index

#	Paper	IF	Citations
48	Precipitation Variability and Drought Assessment Using the SPI: Application to Long-Term Series in the Strait of Gibraltar Area. <i>Water (Switzerland)</i> , 2022 , 14, 884	3	1
47	Performance assessment of Bayesian Causal Modelling for runoff temporal behaviour through a novel stability framework. <i>Journal of Hydrology</i> , 2022 , 127832	6	0
46	Improving the Sustainability of Urban Water Management through Innovative Groundwater Recharge System (GRS). <i>Sustainability</i> , 2022 , 14, 5990	3.6	1
45	HydroPredicT_Extreme: a probabilistic method for the prediction of extremal high-flow hydrological events. <i>Journal of Hydrology</i> , 2022 , 127929	6	0
44	Interaction between gravel mining pits and river curvature on maximum scour depth through 2D hydraulic modelling. <i>Journal of Hydrology</i> , 2021 , 604, 127245	6	0
43	Methodology to Evaluate Aquifers Water Budget Alteration Due to Climate Change Impact on the Snow Fraction. <i>Water Resources Management</i> , 2021 , 35, 2569-2583	3.7	0
42	Study of Temporal Variations in Species-Environment Association through an Innovative Multivariate Method: MixSTATICO. <i>Sustainability</i> , 2021 , 13, 5924	3.6	2
41	Introducing importance factors (IFs) to estimate a dam's risk of collapse produced by seismic processes. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 60, 102311	4.5	2
40	Analysis of spatio-temporal dependence of inflow time series through Bayesian causal modelling. <i>Journal of Hydrology</i> , 2021 , 597, 125722	6	1
39	Hybrid causal multivariate linear modelling (H_CMLM) method for the analysis of temporal rivers runoff. <i>Journal of Hydrology</i> , 2021 , 599, 126501	6	3
38	Rivers' Temporal Sustainability through the Evaluation of Predictive Runoff Methods. <i>Sustainability</i> , 2020 , 12, 1720	3.6	9
37	Reviewing Arch-Dams' Building Risk Reduction Through a Sustainability Safety Management Approach. <i>Sustainability</i> , 2020 , 12, 392	3.6	7
36	Modeling River Runoff Temporal Behavior through a Hybrid Causal Hydrological (HCH) Method. <i>Water (Switzerland)</i> , 2020 , 12, 3137	3	6
35	Optimization of Geometric Parameters for Double-Arch Dams through Bayesian Implementation. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020264	3	2
34	Water Quality Sustainability Evaluation under Uncertainty: A Multi-Scenario Analysis Based on Bayesian Networks. <i>Sustainability</i> , 2019 , 11, 4764	3.6	9
33	Nonlinear Degradation Analysis of Arch-Dam Blocks by Using Deterministic and Probabilistic Seismic Input. <i>Journal of Vibration Engineering and Technologies</i> , 2019 , 7, 301-309	2	2
32	Causal Reasoning: Towards Dynamic Predictive Models for Runoff Temporal Behavior of High Dependence Rivers. <i>Water (Switzerland)</i> , 2019 , 11, 877	3	12

31	Water quality evaluation through a multivariate statistical HJ-Biplot approach. <i>Journal of Hydrology</i> , 2019 , 577, 123993	6	21
30	Assessment of Green Infrastructure in Riparian Zones Using Copernicus Programme. <i>Remote Sensing</i> , 2019 , 11, 2967	5	15
29	Shape Optimization of Double-Arch Dams by Using Parameters Obtained Through Bayesian Estimators. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019 , 43, 649-662	1.1	6
28	Seismic hazard assessment of arch dams via dynamic modelling: an application to the Rules Dam in Granada, SE Spain. <i>International Journal of Civil Engineering</i> , 2019 , 17, 323-332	1.9	4
27	Assessment of Temporally Conditioned Runoff Fractions in Unregulated Rivers. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 04018015	1.8	15
26	HidroMap: A New Tool for Irrigation Monitoring and Management Using Free Satellite Imagery. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 220	2.9	14
25	Multiobjective Optimization Modeling Approach for Multipurpose Single Reservoir Operation. <i>Water (Switzerland)</i> , 2018 , 10, 427	3	6
24	Estimation of optimal area and volume for double arch-dams. <i>MATEC Web of Conferences</i> , 2018 , 211, 14002	0.3	2
23	Flood Hazard Assessment Supported by Reduced Cost Aerial Precision Photogrammetry. <i>Remote Sensing</i> , 2018 , 10, 1566	5	13
22	Flood Analysis Supported by Low-cost Geometric Modelling. <i>River Research and Applications</i> , 2017 , 33, 620-631	2.3	2
21	Seismic Hazard and Structural Analysis of the Concrete Arch Dam (Rules Dam on Guadalfeo River). <i>Procedia Engineering</i> , 2017 , 199, 1332-1337		6
20	Causal Reasoning for the Analysis of Rivers Runoff Temporal Behavior. <i>Water Resources Management</i> , 2017 , 31, 4669-4681	3.7	14
19	Reviewing Bayesian Networks potentials for climate change impacts assessment and management: A multi-risk perspective. <i>Journal of Environmental Management</i> , 2017 , 202, 320-331	7.9	52
18	Innovative Analysis of Runoff Temporal Behavior through Bayesian Networks. <i>Water (Switzerland)</i> , 2016 , 8, 484	3	21
17	Assessment of future groundwater recharge in semi-arid regions under climate change scenarios (Serral-Salinas aquifer, SE Spain). Could increased rainfall variability increase the recharge rate?. <i>Hydrological Processes</i> , 2015 , 29, 828-844	3.3	67
16	Analysis of flood modeling through innovative geomatic methods. <i>Journal of Hydrology</i> , 2015 , 524, 522-537	5.37	20
15	Methodology to evaluate the renewal period of carbonate aquifers: a key tool for their management in arid and semiarid regions, with the example of Becerrero aquifer, Spain. <i>Hydrogeology Journal</i> , 2014 , 22, 679-689	3.1	9
14	Geomatic methods at the service of water resources modelling. <i>Journal of Hydrology</i> , 2014 , 509, 150-162	6.2	19

13	Evolutionary network flow models for obtaining operation rules in multi-reservoir water systems. <i>Journal of Hydroinformatics</i> , 2014 , 16, 33-49	2.6	7
12	Dynamic Bayesian Networks as a Decision Support tool for assessing Climate Change impacts on highly stressed groundwater systems. <i>Journal of Hydrology</i> , 2013 , 479, 113-129	6	68
11	Comparative Analysis of System Dynamics and Object-Oriented Bayesian Networks Modelling for Water Systems Management. <i>Water Resources Management</i> , 2013 , 27, 819-841	3.7	21
10	Stochastic hydro-economic model for groundwater quality management using Bayesian networks. <i>Water Science and Technology</i> , 2013 , 67, 579-86	2.2	12
9	The Social Sustainable Aquifer Yield: An Indicator for the Analysis and Assessment of the Integrated Aquifers Management. <i>Water Resources Management</i> , 2012 , 26, 2951-2971	3.7	7
8	Integrated Assessment of the European WFD Implementation in Extremely Overexploited Aquifers Through Participatory Modelling. <i>Water Resources Management</i> , 2011 , 25, 3343-3370	3.7	27
7	Aquifers Management through Evolutionary Bayesian Networks: The Altiplano Case Study (SE Spain). <i>Water Resources Management</i> , 2011 , 25, 3883-3909	3.7	9
6	Object-Oriented Bayesian Networks for Participatory Water Management: Two Case Studies in Spain. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2011 , 137, 366-376	2.8	14
5	Climate change and water: what university students think. <i>Ensenanza De Las Ciencias</i> , 2011 , 29, 427	1.6	3
4	Integrated water resources management of overexploited hydrogeological systems using Object-Oriented Bayesian Networks. <i>Environmental Modelling and Software</i> , 2010 , 25, 383-397	5.2	80
3	Object-Oriented Modelling as a Decision-Making Tool in Agriculturally Overexploited Karstic Aquifers. <i>Environmental Earth Sciences</i> , 2010 , 269-274	0.3	
2	Aquifers Overexploitation in SE Spain: A Proposal for the Integrated Analysis of Water Management. <i>Water Resources Management</i> , 2009 , 23, 2737-2760	3.7	45
1	Innovative Risk Assessment Framework for Hydraulic Control of Irrigation Reservoirs Breaching. <i>Water Resources Management</i> , 1	3.7	