

Jos Luis Molina

List of Publications by Citations

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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 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | Water quality evaluation through a multivariate statistical HJ-Biplot approach. <i>Journal of Hydrology</i> , 2019 , 577, 123993 | 6 | 21 |
| 41 | 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 |
| 40 | Innovative Analysis of Runoff Temporal Behavior through Bayesian Networks. <i>Water (Switzerland)</i> , 2016 , 8, 484 | 3 | 21 |
| 39 | Analysis of flood modeling through innovative geomatic methods. <i>Journal of Hydrology</i> , 2015 , 524, 522-537 | 5.37 | 20 |
| 38 | Geomatic methods at the service of water resources modelling. <i>Journal of Hydrology</i> , 2014 , 509, 150-162 | 6 | 19 |
| 37 | Assessment of Temporally Conditioned Runoff Fractions in Unregulated Rivers. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 04018015 | 1.8 | 15 |
| 36 | Assessment of Green Infrastructure in Riparian Zones Using Copernicus Programme. <i>Remote Sensing</i> , 2019 , 11, 2967 | 5 | 15 |
| 35 | 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 |
| 34 | Causal Reasoning for the Analysis of Rivers Runoff Temporal Behavior. <i>Water Resources Management</i> , 2017 , 31, 4669-4681 | 3.7 | 14 |
| 33 | 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 |
| 32 | Flood Hazard Assessment Supported by Reduced Cost Aerial Precision Photogrammetry. <i>Remote Sensing</i> , 2018 , 10, 1566 | 5 | 13 |

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| 31 | Causal Reasoning: Towards Dynamic Predictive Models for Runoff Temporal Behavior of High Dependence Rivers. <i>Water (Switzerland)</i> , 2019 , 11, 877 | 3 | 12 |
| 30 | Stochastic hydro-economic model for groundwater quality management using Bayesian networks. <i>Water Science and Technology</i> , 2013 , 67, 579-86 | 2.2 | 12 |
| 29 | Water Quality Sustainability Evaluation under Uncertainty: A Multi-Scenario Analysis Based on Bayesian Networks. <i>Sustainability</i> , 2019 , 11, 4764 | 3.6 | 9 |
| 28 | Rivers Temporal Sustainability through the Evaluation of Predictive Runoff Methods. <i>Sustainability</i> , 2020 , 12, 1720 | 3.6 | 9 |
| 27 | 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 |
| 26 | Aquifers Management through Evolutionary Bayesian Networks: The Altiplano Case Study (SE Spain). <i>Water Resources Management</i> , 2011 , 25, 3883-3909 | 3.7 | 9 |
| 25 | Reviewing Arch-Dams Building Risk Reduction Through a Sustainability Safety Management Approach. <i>Sustainability</i> , 2020 , 12, 392 | 3.6 | 7 |
| 24 | 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 |
| 23 | 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 |
| 22 | Seismic Hazard and Structural Analysis of the Concrete Arch Dam (Rules Dam on Guadalfeo River). <i>Procedia Engineering</i> , 2017 , 199, 1332-1337 | | 6 |
| 21 | Multiobjective Optimization Modeling Approach for Multipurpose Single Reservoir Operation. <i>Water (Switzerland)</i> , 2018 , 10, 427 | 3 | 6 |
| 20 | Modeling River Runoff Temporal Behavior through a Hybrid Causal Hydrological (HCH) Method. <i>Water (Switzerland)</i> , 2020 , 12, 3137 | 3 | 6 |
| 19 | 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 |
| 18 | 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 |
| 17 | Climate change and water: what university students think. <i>Ensenanza De Las Ciencias</i> , 2011 , 29, 427 | 1.6 | 3 |
| 16 | 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 |
| 15 | Flood Analysis Supported by Low-cost Geometric Modelling. <i>River Research and Applications</i> , 2017 , 33, 620-631 | 2.3 | 2 |
| 14 | 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 |

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| 13 | Optimization of Geometric Parameters for Double-Arch Dams through Bayesian Implementation. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020264 | 3 | 2 |
| 12 | Study of Temporal Variations in Species-Environment Association through an Innovative Multivariate Method: MixSTATICO. <i>Sustainability</i> , 2021 , 13, 5924 | 3.6 | 2 |
| 11 | 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 |
| 10 | Estimation of optimal area and volume for double arch-dams. <i>MATEC Web of Conferences</i> , 2018 , 211, 14002 | 0.3 | 2 |
| 9 | Analysis of spatio-temporal dependence of inflow time series through Bayesian causal modelling. <i>Journal of Hydrology</i> , 2021 , 597, 125722 | 6 | 1 |
| 8 | 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 |
| 7 | Improving the Sustainability of Urban Water Management through Innovative Groundwater Recharge System (GRS). <i>Sustainability</i> , 2022 , 14, 5990 | 3.6 | 1 |
| 6 | 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 |
| 5 | 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 |
| 4 | Performance assessment of Bayesian Causal Modelling for runoff temporal behaviour through a novel stability framework. <i>Journal of Hydrology</i> , 2022 , 127832 | 6 | 0 |
| 3 | HydroPredicT_Extreme: a probabilistic method for the prediction of extremal high-flow hydrological events. <i>Journal of Hydrology</i> , 2022 , 127929 | 6 | 0 |
| 2 | Object-Oriented Modelling as a Decision-Making Tool in Agriculturally Overexploited Karstic Aquifers. <i>Environmental Earth Sciences</i> , 2010 , 269-274 | 0.3 | |
| 1 | Innovative Risk Assessment Framework for Hydraulic Control of Irrigation Reservoirs Breaching. <i>Water Resources Management</i> , 1 | 3.7 | |