

Javier Paredes-Arquiola

List of Publications by Citations

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42
papers

661
citations

15
h-index

25
g-index

43
ext. papers

762
ext. citations

4.5
avg, IF

4.12
L-index

#	Paper	IF	Citations
42	A review of water scarcity and drought indexes in water resources planning and management. <i>Journal of Hydrology</i> , 2015 , 527, 482-493	6	177
41	Water Quantity and Quality Models Applied to the Jucar River Basin, Spain. <i>Water Resources Management</i> , 2010 , 24, 2759-2779	3.7	45
40	Using ecosystem services to represent the environment in hydro-economic models. <i>Journal of Hydrology</i> , 2016 , 538, 293-303	6	33
39	A decision support system for water quality issues in the Manzanares River (Madrid, Spain). <i>Science of the Total Environment</i> , 2010 , 408, 2576-89	10.2	32
38	Managing water quality under drought conditions in the Llobregat River Basin. <i>Science of the Total Environment</i> , 2015 , 503-504, 300-18	10.2	27
37	Probabilistic Forecasting of Drought Events Using Markov Chain- and Bayesian Network-Based Models: A Case Study of an Andean Regulated River Basin. <i>Water (Switzerland)</i> , 2016 , 8, 37	3	25
36	The Assessment of Sustainability Indexes and Climate Change Impacts on Integrated Water Resource Management. <i>Water (Switzerland)</i> , 2017 , 9, 213	3	23
35	Adapting water accounting for integrated water resource management. The Júcar Water Resource System (Spain). <i>Journal of Hydrology</i> , 2014 , 519, 3369-3385	6	23
34	IMPLEMENTING ENVIRONMENTAL FLOWS IN COMPLEX WATER RESOURCES SYSTEMS [CASE STUDY: THE DUERO RIVER BASIN, SPAIN]. <i>River Research and Applications</i> , 2013 , 29, 451-468	2.3	22
33	Linking Pan-European data to the local scale for decision making for global change and water scarcity within water resources planning and management. <i>Science of the Total Environment</i> , 2017 , 603-604, 126-139	10.2	22
32	Assessment of evolutionary algorithms for optimal operating rules design in real Water Resource Systems. <i>Environmental Modelling and Software</i> , 2015 , 69, 425-436	5.2	21
31	Integrating water management, habitat modelling and water quality at the basin scale and environmental flow assessment: case study of the Tormes River, Spain. <i>Hydrological Sciences Journal</i> , 2014 , 59, 878-889	3.5	20
30	Evaluation of Markov Chain Based Drought Forecasts in an Andean Regulated River Basin Using the Skill Scores RPS and GMSS. <i>Water Resources Management</i> , 2015 , 29, 1949-1963	3.7	20
29	Methodology for Drought Risk Assessment in Within-year Regulated Reservoir Systems. Application to the Orbigo River System (Spain). <i>Water Resources Management</i> , 2014 , 28, 3801-3814	3.7	19
28	Key issues for determining the exploitable water resources in a Mediterranean river basin. <i>Science of the Total Environment</i> , 2015 , 503-504, 319-28	10.2	15
27	Development of operating rules for a complex multi-reservoir system by coupling genetic algorithms and network optimization. <i>Hydrological Sciences Journal</i> , 2013 , 58, 797-812	3.5	15
26	Improved modelling of the freshwater provisioning ecosystem service in water scarce river basins. <i>Environmental Modelling and Software</i> , 2017 , 94, 87-99	5.2	14

25	Refill and Drawdown Rules for Parallel Reservoirs: Quantity and Quality. <i>Water Resources Management</i> , 2006 , 20, 359-376	3.7	14
24	Integrated modeling of water quantity and quality in the Araguari River basin, Brazil. <i>Latin American Journal of Aquatic Research</i> , 2014 , 42, 224-244	1.5	14
23	Designing river water quality policy interventions with scarce data: the case of the Middle Tagus Basin, Spain. <i>Hydrological Sciences Journal</i> , 2020 , 65, 749-762	3.5	10
22	Skill assessment of a seasonal forecast model to predict drought events for water resource systems. <i>Journal of Hydrology</i> , 2018 , 564, 574-587	6	9
21	Quantification of climate change impact on dam failure risk under hydrological scenarios: a case study from a Spanish dam. <i>Natural Hazards and Earth System Sciences</i> , 2019 , 19, 2117-2139	3.9	9
20	Hydrological Alteration Index as an Indicator of the Calibration Complexity of Water Quantity and Quality Modeling in the Context of Global Change. <i>Water (Switzerland)</i> , 2020 , 12, 115	3	7
19	Optimization of the Multi-Start Strategy of a Direct-Search Algorithm for the Calibration of Rainfall-Runoff Models for Water-Resource Assessment. <i>Water (Switzerland)</i> , 2019 , 11, 1876	3	7
18	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
17	Drought Planning and Management in the Júcar River Basin, Spain 2013 , 237-249		7
16	Risk assessment in water resources planning under climate change at the Júcar River basin. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 5297-5315	5.5	5
15	Water Accounts and Water Stress Indexes in the European Context of Water Planning: The Jucar River Basin. <i>Procedia Engineering</i> , 2014 , 89, 1470-1477		4
14	A comparative analysis of the application of water quality exemptions in the European Union: The case of nitrogen. <i>Science of the Total Environment</i> , 2020 , 739, 139891	10.2	3
13	Análisis del cambio en las aportaciones hidrológicas en la cuenca del río Júcar a partir de 1980 y sus causas. <i>Ingeniería Del Agua</i> , 2019 , 23, 141	0.7	3
12	Integrated Methodological Framework for Assessing the Risk of Failure in Water Supply Incorporating Drought Forecasts. Case Study: Andean Regulated River Basin. <i>Water Resources Management</i> , 2018 , 32, 1209-1223	3.7	3
11	Effects of environmental flows on hydrological alteration and reliability of water demands. <i>Science of the Total Environment</i> , 2021 , 151630	10.2	2
10	Comparing performance indicators to characterize the water supply to the demands of the Guadiana River basin (Spain). <i>Hydrological Sciences Journal</i> , 2020 , 65, 1060-1074	3.5	1
9	Too expensive to be worth it? A methodology to identify disproportionate costs of environmental measures as applied to the Middle Tagus River, Spain. <i>Journal of Environmental Planning and Management</i> , 2020 , 63, 2402-2424	2.8	1
8	Adjusting wastewater treatment effluent standards to protect the receiving waters: the case of low-flow rivers in central Spain. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	1

7	Optimizaci3n del indicador de escasez en la cuenca del r3o J3car. <i>Ingenier3a Del Agua</i> , 2020 , 24, 129	0.7	1
6	Integrated Surface-Groundwater Modelling of Nitrate Concentration in Mediterranean Rivers, the J3car River Basin District, Spain. <i>Sustainability</i> , 2021 , 13, 12835	3.6	0
5	Improving Indicators of Hydrological Alteration in Regulated and Complex Water Resources Systems: A Case Study in the Duero River Basin. <i>Water (Switzerland)</i> , 2021 , 13, 2676	3	0
4	Water reuse and desalination at Comunitat-Valenciana region, Spain 2005 , 193-201		
3	River water quality modelling under drought situations [The Turia River case. <i>Proceedings of the International Association of Hydrological Sciences</i> ,374, 187-192		
2	Efecto del cambio clim3tico en la calidad del agua de la Cuenca del J3car. <i>Ingenier3a Del Agua</i> , 2021 , 25, 75	0.7	
1	Experiences in Proactive and Participatory Drought Planning and Management in the Jucar River Basin, Spain 2018 , 217-237		