

Hugo Ag Loaiciga

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.

177
papers

2,041
citations

24
h-index

37
g-index

182
ext. papers

2,505
ext. citations

2.7
avg, IF

5.83
L-index

#	Paper	IF	Citations
177	Evaluation of Climatic-Change Impacts on Multiobjective Reservoir Operation with Multiobjective Genetic Programming. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04015030	2.8	97
176	Climate Change and Ground Water. <i>Annals of the American Association of Geographers</i> , 2003 , 93, 30-41		78
175	Application of the Water Cycle Algorithm to the Optimal Operation of Reservoir Systems. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015 , 141, 04014064	1.1	74
174	Development and Application of the Bat Algorithm for Optimizing the Operation of Reservoir Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04014097	2.8	73
173	Adaptive Reservoir Operation Rules Under Climatic Change. <i>Water Resources Management</i> , 2015 , 29, 1247-1266	3.7	70
172	Optimal Monthly Reservoir Operation Rules for Hydropower Generation Derived with SVR-NSGAI. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04015029	2.8	66
171	Hydropower Reservoir Management Under Climate Change: The Karoon Reservoir System. <i>Water Resources Management</i> , 2015 , 29, 749-770	3.7	60
170	Sea water intrusion by sea-level rise: scenarios for the 21st century. <i>Ground Water</i> , 2012 , 50, 37-47	2.4	55
169	Air Permeability of Porous Materials Under Controlled Laboratory Conditions. <i>Ground Water</i> , 1998 , 36, 558-565	2.4	55
168	Weed Optimization Algorithm for Optimal Reservoir Operation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04015055	1.1	53
167	Application of the Firefly Algorithm to Optimal Operation of Reservoirs with the Purpose of Irrigation Supply and Hydropower Production. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016041	1.1	50
166	Biogeography-Based Optimization Algorithm for Optimal Operation of Reservoir Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04015034	2.8	49
165	Modified Firefly Algorithm for Solving Multireservoir Operation in Continuous and Discrete Domains. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016029	2.8	40
164	Temporal variations of groundwater quality in the Western Jiangnan Plain, China. <i>Science of the Total Environment</i> , 2017 , 578, 542-550	10.2	36
163	Modeling Water-Quality Parameters Using Genetic Algorithm, Least Squares Support Vector Regression and Genetic Programming. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 04017021	2	32
162	Opportunities and challenges of interbasin water transfers: a literature review with bibliometric analysis. <i>Scientometrics</i> , 2015 , 105, 279-294	3	29
161	Evaluation of water shortage crisis in the Middle East and possible remedies 2020 , 69, 85-98		29

160	Reservoir Water-Quality Projections under Climate-Change Conditions. <i>Water Resources Management</i> , 2019 , 33, 401-421	3.7	29
159	Solute dispersion in a variably saturated sand. <i>Water Resources Research</i> , 2003 , 39,	5.4	27
158	MUNICIPAL WATER USE AND WATER RATES DRIVEN BY SEVERE DROUGHT: A CASE STUDY1. <i>Journal of the American Water Resources Association</i> , 1997 , 33, 1313-1326	2.1	25
157	Application of non-animal-inspired evolutionary algorithms to reservoir operation: an overview. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 439	3.1	24
156	Optimal Selective Withdrawal Rules Using a Coupled Data Mining Model and Genetic Algorithm. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016064	2.8	24
155	Development of Adaptive Strategies for Irrigation Water Demand Management under Climate Change. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04016077	1.1	24
154	A self-tuning ANN model for simulation and forecasting of surface flows. <i>Water Resources Management</i> , 2016 , 30, 2907-2929	3.7	24
153	Runoff Projection under Climate Change Conditions with Data-Mining Methods. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04017026	1.1	23
152	Development of a Comparative Multiple Criteria Framework for Ranking Pareto Optimal Solutions of a Multiobjective Reservoir Operation Problem. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016019	1.1	22
151	Stormwater Control Measures: Optimization Methods for Sizing and Selection. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04015006	2.8	22
150	Application of particle swarm optimization to water management: an introduction and overview. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 281	3.1	21
149	Consolidation Settlement in Aquifers Caused by Pumping. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013 , 139, 1191-1204	3.4	21
148	Multiobjective Reservoir Operation for Water Quality Optimization. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016065	1.1	20
147	The Enhanced Honey-Bee Mating Optimization Algorithm for Water Resources Optimization. <i>Water Resources Management</i> , 2017 , 31, 885-901	3.7	18
146	Assimilative Capacity and Flow Dilution for Water Quality Protection in Rivers. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2015 , 19, 04014027	2.3	18
145	Evaluation of the VIKOR and FOWA Multi-Criteria Decision Making Methods for Climate-Change Adaptation of Agricultural Water Supply. <i>Water Resources Management</i> , 2019 , 33, 2867-2884	3.7	17
144	Reservoir Design and Operation with Variable Lake Hydrology. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2002 , 128, 399-405	2.8	17
143	Real-time reservoir operation using data mining techniques. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 594	3.1	17

142	Intermittent Operation of Water Distribution Networks Considering Equanimity and Justice Principles. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2015 , 6, 04015004	1.5	16
141	Parameter Estimation of Extended Nonlinear Muskingum Models with the Weed Optimization Algorithm. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016059	1.1	16
140	Reservoir Operation Rules with Uncertainties in Reservoir Inflow and Agricultural Demand Derived with Stochastic Dynamic Programming. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016046	1.1	16
139	A new framework for the optimal management of urban runoff with low-impact development stormwater control measures considering service-performance reduction. <i>Journal of Hydroinformatics</i> , 2019 , 21, 727-744	2.6	16
138	Sea-level rise and flooding in coastal riverine flood plains. <i>Hydrological Sciences Journal</i> , 2014 , 59, 204-220	3.5	16
137	The soil leakage ratio in the Mudu watershed, China. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	16
136	Optimizing stormwater low-impact development strategies in an urban watershed considering sensitivity and uncertainty. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 340	3.1	15
135	Optimization of Run-of-River Hydropower Plant Design under Climate Change Conditions. <i>Water Resources Management</i> , 2018 , 32, 3919-3934	3.7	15
134	Application of the SVR-NSGAI to Hydrograph Routing in Open Channels. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04015061	1.1	14
133	Simulation of Methyl Tertiary Butyl Ether Concentrations in River-Reservoir Systems Using Support Vector Regression. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016015	1.1	14
132	Optimal design of groundwater-level monitoring networks. <i>Journal of Hydroinformatics</i> , 2017 , 19, 920-926	2.6	14
131	Logical Genetic Programming (LGP) Development for Irrigation Water Supply Hedging Under Climate Change Conditions. <i>Irrigation and Drainage</i> , 2017 , 66, 530-541	1.1	14
130	Multiobjective Design of Water-Quality Monitoring Networks in River-Reservoir Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 04016070	2	14
129	Modern-age buildup of CO ₂ and its effects on seawater acidity and salinity. <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.9	14
128	Environmental water demand assessment under climate change conditions. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 359	3.1	13
127	The Safe Yield and Climatic Variability: Implications for Groundwater Management. <i>Ground Water</i> , 2017 , 55, 334-345	2.4	13
126	Managing Municipal Water Supply and Use in Water-Starved Regions: Looking Ahead. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 01814003	2.8	13
125	On the probability of droughts: The compound renewal model. <i>Water Resources Research</i> , 2005 , 41,	5.4	13

124	State-of-art of genetic programming applications in water-resources systems analysis. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 73	3.1	13
123	WASPAS Application and Evolutionary Algorithm Benchmarking in Optimal Reservoir Optimization Problems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04016070	2.8	12
122	A review of applications of animal-inspired evolutionary algorithms in reservoir operation modelling. <i>Water and Environment Journal</i> , 2021 , 35, 628-646	1.7	12
121	Optimal operation of reservoir systems with the symbiotic organisms search (SOS) algorithm. <i>Journal of Hydroinformatics</i> , 2017 , 19, 507-521	2.6	11
120	Reservoir water quality simulation with data mining models. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 482	3.1	11
119	Optimal Operation of Water Distribution Networks under Water Shortage Considering Water Quality. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2016 , 7, 04016005	1.5	11
118	Climate change outlook for water resources management in a semiarid river basin: the effect of the environmental water demand. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	11
117	TRUNCATED DISTRIBUTIONS IN HYDROLOGIC ANALYSIS1. <i>Journal of the American Water Resources Association</i> , 1992 , 28, 853-863	2.1	11
116	Stormwater Control Measures for Runoff and Water Quality Management in Urban Landscapes. <i>Journal of the American Water Resources Association</i> , 2018 , 54, 124-133	2.1	10
115	Intermittent Urban Water Supply with Protection of Consumers Welfare. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2016 , 7, 04016002	1.5	10
114	Estimation of the hydraulic parameters of leaky aquifers based on pumping tests and coupled simulation/optimization: verification using a layered aquifer in Tianjin, China. <i>Hydrogeology Journal</i> , 2019 , 27, 3081-3095	3.1	10
113	Steady state phreatic surfaces in sloping aquifers. <i>Water Resources Research</i> , 2005 , 41,	5.4	10
112	Extended multi-objective firefly algorithm for hydropower energy generation. <i>Journal of Hydroinformatics</i> , 2017 , 19, 734-751	2.6	9
111	Generalized Storage Equations for Flood Routing with Nonlinear Muskingum Models. <i>Water Resources Management</i> , 2019 , 33, 2677-2691	3.7	9
110	Spatial and Temporal Downscaling of TRMM Precipitation with Novel Algorithms. <i>Journal of Hydrometeorology</i> , 2020 , 21, 1259-1278	3.7	9
109	Calculation of multi-objective optimal tradeoffs between environmental flows and hydropower generation. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	9
108	Real-time water allocation policies calculated with bankruptcy games and genetic programming. <i>Water Science and Technology: Water Supply</i> , 2018 , 18, 430-449	1.4	8
107	Aquifer storage capacity and maximum annual yield from long-term aquifer fluxes. <i>Hydrogeology Journal</i> , 2008 , 16, 399-403	3.1	8

106	The adsorption/desorption of phosphorus in freshwater sediments from buffer zones: the effects of sediment concentration and pH. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 13	3.1	8
105	Development of a Sample Multiattribute and Multireservoir System for Testing Operational Models. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04015039	1.1	7
104	Application of Climate Projections and Monte Carlo Approach for Assessment of Future River Flow: Khorramabad River Basin, Iran. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019 , 24, 05019014	1.8	7
103	Optimal In Situ Bioremediation Design of Groundwater Contaminated with Dissolved Petroleum Hydrocarbons. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2016 , 20, 04015021	2.3	7
102	Climate-environment-water: integrated and non-integrated approaches to reservoir operation. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 60	3.1	7
101	Logical genetic programming (LGP) application to water resources management. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 34	3.1	7
100	Integrated virtual water trade management considering self-sufficient production of strategic agricultural and industrial products. <i>Science of the Total Environment</i> , 2020 , 743, 140797	10.2	6
99	Evaluating the risk of phosphorus loss with a distributed watershed model featuring zero-order mobilization and first-order delivery. <i>Science of the Total Environment</i> , 2017 , 609, 563-576	10.2	6
98	Derivation approaches for the Theis (1935) equation. <i>Ground Water</i> , 2010 , 48, 2-5	2.4	6
97	Evaluation of River Water Transfer Alternatives with the TODIM Multi-Criteria Decision Making Method. <i>Water Resources Management</i> , 2020 , 34, 4847-4863	3.7	6
96	Optimized cropping patterns under climate-change conditions. <i>Climatic Change</i> , 2017 , 143, 429-443	4.5	5
95	Multi-Criteria Environmental Impact Assessment of Alternative Irrigation Networks with an Adopted Matrix-Based Method. <i>Water Resources Management</i> , 2017 , 31, 903-928	3.7	5
94	Impacts of Climate Change on the Conflict between Water Resources and Agricultural Water Use. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 02516002	1.1	5
93	Semi-empirical prediction method for monthly precipitation prediction based on environmental factors and comparison with stochastic and machine learning models. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1928-1942	3.5	5
92	Inter-basin hydro politics for optimal water resources allocation. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 478	3.1	5
91	Development and application of the anarchic society algorithm (ASO) to the optimal operation of water distribution networks. <i>Water Science and Technology: Water Supply</i> , 2018 , 18, 318-332	1.4	5
90	Time-Based Vulnerability: A Step Forward to Operate Water Resources Systems. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 02516001	1.1	5
89	A multi-objective optimization model for operation of intermittent water distribution networks. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 2630-2647	1.4	5

88	Simulating thermal stratification and modeling outlet water temperature in reservoirs with a data-mining method 2019 , 68, 7-19		5
87	Long-term groundwater level changes and land subsidence in Tianjin, China. <i>Acta Geotechnica</i> , 2021 , 16, 1303-1314	4.9	5
86	Locating and Prioritizing Suitable Places for the Implementation of Artificial Groundwater Recharge Plans. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04017018	1.1	4
85	Green Stormwater Infrastructure (GSI) for Stormwater Management in the City of Los Angeles: Avalon Green Alleys Network. <i>Environmental Processes</i> , 2019 , 6, 265-281	2.8	4
84	Closure to Assimilative Capacity and Flow Dilution for Water Quality Protection in Rivers by Mostafa Farhadian, Omid Bozorg Haddad, Samaneh Seifollahi-Aghmuni, and Hugo A. Loziga. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2015 , 19, 07015002	2.3	4
83	Equation to Predict Riverine Transport of Suddenly Discharged Pollutants. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016050	1.1	4
82	Multiobjective Optimal Operation of Gated Spillways. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04016078	1.1	4
81	Development of Real-Time Conjunctive Use Operation Rules for Aquifer-Reservoir Systems. <i>Water Resources Management</i> , 2015 , 29, 1887-1906	3.7	4
80	Assessment of potential of intraregional conflicts by developing a transferability index for inter-basin water transfers, and their impacts on the water resources. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 40	3.1	4
79	Self-optimizer data-mining method for aquifer level prediction. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 724-736	1.4	4
78	Effect of Hydraulic Conductivity Uncertainty on In Situ Bioremediation of Groundwater Contaminated with Dissolved Petroleum Hydrocarbons. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04017049	1.1	3
77	Probability Distributions in Groundwater Hydrology: Methods and Applications. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04014063	1.8	3
76	System dynamics applied to water management in lakes*. <i>Irrigation and Drainage</i> , 2020 , 69, 956-966	1.1	3
75	Construction Risk Management of Irrigation Dams. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016009	1.1	3
74	CO(2) capture and geologic storage: the possibilities. <i>Ground Water</i> , 2013 , 51, 816-21	2.4	3
73	Discussion of Optimization of Phenol Removal Using Ti/PbO2 Anode with Response Surface Methodology by C. Garc�a-G�mez, J. A. Vidales-Contreras, J. N�oles-Armenta, and P. Gort�es-Moroyoqui. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 07017001	2	3
72	Unionism and Water Resources Management. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 02516003	1.1	3
71	Setting the Flow Accumulation Threshold Based on Environmental and Morphologic Features to Extract River Networks from Digital Elevation Models. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 186	2.9	3

70	Comparison of methods to calculate evaporation from reservoirs. <i>International Journal of River Basin Management</i> , 2020 , 18, 1-12	1.7	3
69	Application of bi-objective genetic programming for optimizing irrigation rules using two reservoir performance criteria. <i>International Journal of River Basin Management</i> , 2021 , 19, 55-65	1.7	3
68	A review of conjunctive GW-SW management by simulation–optimization tools 2021 , 70, 239-256		3
67	Assessment of global hydro-social indicators in water resources management. <i>Scientific Reports</i> , 2021 , 11, 17424	4.9	3
66	Simulation-Optimization of Reservoir Water Quality under Climate Change. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 04021054	2.8	3
65	Machine-learning algorithms for forecast-informed reservoir operation (FIRO) to reduce flood damages.. <i>Scientific Reports</i> , 2021 , 11, 24295	4.9	3
64	Groundwater safe yield powered by clean wind energy. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 419	3.1	2
63	Closure to Equation to Predict Riverine Transport of Suddenly Discharged Pollutants by Mostafa Farhadian, Omid Bozorg-Haddad, Samaneh Seifollahi-Aghmiuini, and Hugo A. Loaiciga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07018011	1.1	2
62	Closure to Parameter Estimation of Extended Nonlinear Muskingum Models with the Weed Optimization Algorithm by Farzan Hamed, Omid Bozorg-Haddad, Maryam Pazoki, Hamid-Reza Asgari, Mehran Parsa, and Hugo A. Loaiciga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07017022	1.1	2
61	Application of Data Mining Tools for Long-Term Quantitative and Qualitative Prediction of Streamflow. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016061	1.1	2
60	Allocation of reservoir releases under drought conditions: a conflict-resolution approach. <i>Water Management</i> , 2019 , 172, 218-228	1	2
59	Phreatic Surface in Island Aquifers with Regular Geometry and Time-Independent Recharge and Pumping. <i>Mathematical Geosciences</i> , 2008 , 40, 199-211	2.5	2
58	Reply to comment by K. Caldeira et al. on Modern-age buildup of CO ₂ and its effects on seawater acidity and salinity <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	2
57	Planning Urban Growth in Ground Water Recharge Areas: Central Valley, Costa Rica. <i>Ground Water Monitoring and Remediation</i> , 1995 , 15, 144-148	1.4	2
56	Optimal merging of multi-satellite precipitation data in urban areas. <i>Theoretical and Applied Climatology</i> , 2022 , 147, 1697-1712	3	2
55	Developing water, energy, and food sustainability performance indicators for agricultural systems. <i>Scientific Reports</i> , 2021 , 11, 22831	4.9	2
54	Environmental sustainability: a review of the water–energy–food nexus 2021 , 70, 138-154		2
53	Analysis of the effect of inputs uncertainty on riverine water temperature predictions with a Markov chain Monte Carlo (MCMC) algorithm. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 100	3.1	2

52	Reliability-Based Multi-Objective Optimization of Groundwater Remediation. <i>Water Resources Management</i> , 2020 , 34, 3079-3097	3.7	2
51	Regional Precipitation Model Based on Geographically and Temporally Weighted Regression Kriging. <i>Remote Sensing</i> , 2020 , 12, 2547	5	2
50	Optimizing urban stormwater control strategies and assessing aquifer recharge through drywells in an urban watershed. <i>Hydrogeology Journal</i> , 2021 , 29, 1379-1398	3.1	2
49	Intense extreme hydro-climatic events take a toll on society. <i>Natural Hazards</i> , 2021 , 108, 2385-2391	3	2
48	Adaptive Determination of the Flow Accumulation Threshold for Extracting Drainage Networks from DEMs. <i>Remote Sensing</i> , 2021 , 13, 2024	5	2
47	A state-of-the-art review of water diplomacy. <i>Environment, Development and Sustainability</i> , 2021 , 23, 2337-2357	4.5	2
46	Fulfillment of river environmental flow: applying Nash theory for quantitative-qualitative conflict resolution in reservoir operation. <i>Water and Environment Journal</i> , 2021 , 35, 486-499	1.7	2
45	Choosing an Optimization Method for Water Resources Problems Based on the Features of Their Solution Spaces. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 04017061	1.1	2
44	Closure to Development of a Comparative Multiple Criteria Framework for Ranking Pareto Optimal Solutions of a Multiobjective Reservoir Operation Problem By Omid Bozorg-Haddad, Ali Azarnivand, Seyed-Mohammad Hosseini-Moghari, and Hugo A. Louçiga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07018006	1.1	2
43	Multi-criteria Decision-making Approach for Environmental Impact Assessment to Reduce the Adverse Effects Of Dams. <i>Water Resources Management</i> , 2021 , 35, 4085	3.7	2
42	Developing a novel parameter-free optimization framework for flood routing. <i>Scientific Reports</i> , 2021 , 11, 16183	4.9	2
41	Integrated strategic planning and multi-criteria decision-making framework with its application to agricultural water management.. <i>Scientific Reports</i> , 2022 , 12, 8406	4.9	2
40	Role of Adaptive Water Resources Management Policies and Strategies in Relieving Conflicts between Water Resources and Agricultural Sector Water Use Caused by Climate Change. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 02516004	1.1	1
39	Evaluation of the Safe Yield of Groundwater Production Derived from Wind Energy. <i>Journal of Energy Engineering - ASCE</i> , 2015 , 141, 04014045	1.7	1
38	Application of a new hybrid non-linear Muskingum model to flood routing. <i>Water Management</i> , 2020 , 173, 109-120	1	1
37	Upstream flood pattern recognition based on downstream events. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 306	3.1	1
36	Application of Wind Energy to Withdraw Groundwater for Irrigation Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016058	2.8	1
35	Nonlinear Muskingum Model for Flood Routing in Irrigation Canals Using Storage Moving Average. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016010	1.1	1

34	Investigation of Climatic Variability with Hybrid Statistical Analysis. <i>Water Resources Management</i> , 2017 , 31, 341-353	3.7	1
33	Radially convergent groundwater flow in sloping terrain. <i>Hydrological Sciences Journal</i> , 2006 , 51, 700-713	3.5	1
32	Approach to Control the Depth of Water in Basin Irrigation and Wetland Flooding. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2007 , 133, 500-504	1.1	1
31	Ground-Water/Surface-Water Interactions in a Karst Aquifer 2001 , 150		1
30	Optimal virtual water flows for improved food security in water-scarce countries. <i>Scientific Reports</i> , 2021 , 11, 21027	4.9	1
29	Seepage Face in Steady-State Groundwater Flow between Two Water Bodies. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020 , 25, 06020005	1.8	1
28	Use of surface water and groundwater under climate change: Khorramabad basin, Iran. <i>Water Management</i> , 1-13	1	1
27	Dryland farming improvement by considering the relation between rainfall variability and crop yield. <i>Environment, Development and Sustainability</i> , 2021 , 23, 5316-5327	4.5	1
26	Integration of Gray System Theory with AHP Decision-Making for Wastewater Reuse Decision-Making. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2021 , 25,	2.3	1
25	Evaluation of cooperative and non-cooperative game theoretic approaches for water allocation of transboundary rivers.. <i>Scientific Reports</i> , 2022 , 12, 3991	4.9	1
24	System dynamics modeling of lake water management under climate change.. <i>Scientific Reports</i> , 2022 , 12, 5828	4.9	1
23	Discussion of Multiobjective Management of Water Allocation to Sustainable Irrigation Planning and Optimal Cropping Pattern By R. Lalehzari, S. Boroomand Nasab, H. Moazed, and A. Haghghi. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 07016023	1.1	0
22	The effect of the earth's rotation on ground water motion. <i>Ground Water</i> , 2007 , 45, 98-100	2.4	0
21	Sensitivity of non-conditional climatic variables to climate-change deep uncertainty using Markov Chain Monte Carlo simulation.. <i>Scientific Reports</i> , 2022 , 12, 1813	4.9	0
20	Analysis of long-term strategies of riparian countries in transboundary river basins. <i>Scientific Reports</i> , 2021 , 11, 20199	4.9	0
19	Ranking of wastewater reuse allocation alternatives using a variance-based weighted aggregated sum product assessment method. <i>Environment, Development and Sustainability</i> , 1	4.5	0
18	Uncertainties in agricultural water supply under climate change: Aidoghmoush basin, Iran. <i>Water Management</i> , 2021 , 174, 120-133	1	0
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