

Hugo Ag Loaiciga

List of Publications by Year in Descending Order

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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	Optimal merging of multi-satellite precipitation data in urban areas. <i>Theoretical and Applied Climatology</i> , 2022 , 147, 1697-1712	3	2
176	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
175	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
174	System dynamics modeling of lake water management under climate change.. <i>Scientific Reports</i> , 2022 , 12, 5828	4.9	1
173	The effect of reducing per capita water and energy uses on renewable water resources in the water, food and energy nexus.. <i>Scientific Reports</i> , 2022 , 12, 7582	4.9	0
172	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
171	Developing water, energy, and food sustainability performance indicators for agricultural systems. <i>Scientific Reports</i> , 2021 , 11, 22831	4.9	2
170	Optimal virtual water flows for improved food security in water-scarce countries. <i>Scientific Reports</i> , 2021 , 11, 21027	4.9	1
169	Analysis of long-term strategies of riparian countries in transboundary river basins. <i>Scientific Reports</i> , 2021 , 11, 20199	4.9	0
168	Environmental sustainability: a review of the water-energy-food nexus 2021 , 70, 138-154		2
167	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
166	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
165	Intense extreme hydro-climatic events take a toll on society. <i>Natural Hazards</i> , 2021 , 108, 2385-2391	3	2
164	Adaptive Determination of the Flow Accumulation Threshold for Extracting Drainage Networks from DEMs. <i>Remote Sensing</i> , 2021 , 13, 2024	5	2
163	Uncertainties in agricultural water supply under climate change: Aidoghmoush basin, Iran. <i>Water Management</i> , 2021 , 174, 120-133	1	0
162	A state-of-the-art review of water diplomacy. <i>Environment, Development and Sustainability</i> , 2021 , 23, 2337-2357	4.5	2
161	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

160	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
159	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
158	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
157	Long-term groundwater level changes and land subsidence in Tianjin, China. <i>Acta Geotechnica</i> , 2021 , 16, 1303-1314	4.9	5
156	A review of conjunctive GW-SW management by simulation-optimization tools 2021 , 70, 239-256		3
155	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
154	Assessment of global hydro-social indicators in water resources management. <i>Scientific Reports</i> , 2021 , 11, 17424	4.9	3
153	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
152	Developing a novel parameter-free optimization framework for flood routing. <i>Scientific Reports</i> , 2021 , 11, 16183	4.9	2
151	Application of the Grasshopper Optimization Algorithm (GOA) to the Optimal Operation of Hydropower Reservoir Systems Under Climate Change. <i>Water Resources Management</i> , 2021 , 35, 4325	3.7	0
150	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
149	Machine-learning algorithms for forecast-informed reservoir operation (FIRO) to reduce flood damages.. <i>Scientific Reports</i> , 2021 , 11, 24295	4.9	3
148	System dynamics applied to water management in lakes*. <i>Irrigation and Drainage</i> , 2020 , 69, 956-966	1.1	3
147	Presentation and validation of induction irrigation as an efficient and profitable method. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 1349-1355	1.4	
146	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
145	Groundwater safe yield powered by clean wind energy. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 419	3.1	2
144	Application of a new hybrid non-linear Muskingum model to flood routing. <i>Water Management</i> , 2020 , 173, 109-120	1	1
143	Inter-basin hydro-politics for optimal water resources allocation. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 478	3.1	5

142	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
141	Reservoir water quality simulation with data mining models. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 482	3.1	11
140	Application of particle swarm optimization to water management: an introduction and overview. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 281	3.1	21
139	Spatial and Temporal Downscaling of TRMM Precipitation with Novel Algorithms. <i>Journal of Hydrometeorology</i> , 2020 , 21, 1259-1278	3.7	9
138	Evaluation of water shortage crisis in the Middle East and possible remedies 2020 , 69, 85-98		29
137	State-of-art of genetic programming applications in water-resources systems analysis. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 73	3.1	13
136	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
135	Self-optimizer data-mining method for aquifer level prediction. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 724-736	1.4	4
134	Seepage Face in Steady-State Groundwater Flow between Two Water Bodies. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020 , 25, 06020005	1.8	1
133	Reliability-Based Multi-Objective Optimization of Groundwater Remediation. <i>Water Resources Management</i> , 2020 , 34, 3079-3097	3.7	2
132	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
131	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
130	Regional Precipitation Model Based on Geographically and Temporally Weighted Regression Kriging. <i>Remote Sensing</i> , 2020 , 12, 2547	5	2
129	Comparison of methods to calculate evaporation from reservoirs. <i>International Journal of River Basin Management</i> , 2020 , 18, 1-12	1.7	3
128	Application of non-animal-inspired evolutionary algorithms to reservoir operation: an overview. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 439	3.1	24
127	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
126	Generalized Storage Equations for Flood Routing with Nonlinear Muskingum Models. <i>Water Resources Management</i> , 2019 , 33, 2677-2691	3.7	9
125	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

124	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
123	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
122	Allocation of reservoir releases under drought conditions: a conflict-resolution approach. <i>Water Management</i> , 2019 , 172, 218-228	1	2
121	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
120	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
119	Climate-environment-water: integrated and non-integrated approaches to reservoir operation. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 60	3.1	7
118	Logical genetic programming (LGP) application to water resources management. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 34	3.1	7
117	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
116	Simulating thermal stratification and modeling outlet water temperature in reservoirs with a data-mining method 2019 , 68, 7-19		5
115	Reservoir Water-Quality Projections under Climate-Change Conditions. <i>Water Resources Management</i> , 2019 , 33, 401-421	3.7	29
114	Closure to Application of Genetic Programming to Flow Routing in Simple and Compound Channels by Elahe Fallah-Mehdipour, Omid Bozorg-Haddad, Hossein Orouji, and Miguel A. Mariñ. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07018016	1.1	
113	Upstream flood pattern recognition based on downstream events. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 306	3.1	1
112	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
111	Closure to Equation to Predict Riverine Transport of Suddenly Discharged Pollutants by Mostafa Farhadian, Omid Bozorg-Haddad, Samaneh Seifollahi-Aghmiuini, and Hugo A. Loziga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07018011	1.1	2
110	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
109	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
108	Closure to Application of the Firefly Algorithm to Optimal Operation of Reservoirs with the Purpose of Irrigation Supply and Hydropower Production by Irene Garousi-Nejad, Omid Bozorg-Haddad, Hugo A. Loziga, and Miguel A. Mariñ. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07017990	1.1	
107	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. Loziga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07017988	1.1	2

106	Closure to Optimal Operation of Water Distribution Networks under Water Shortage Considering Water Quality By Mohammad Solgi, Omid Bozorg-Haddad, Samaneh Seifollahi-Aghmiuni, Parisa Ghasemi-Abiazani, and Hugo A. Loaiciga. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2018 , 9, 07017002	1.5	
105	Optimization of Run-of-River Hydropower Plant Design under Climate Change Conditions. <i>Water Resources Management</i> , 2018 , 32, 3919-3934	3.7	15
104	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
103	Discussion of Design and Evaluation of Irrigation Water Pricing Policies for Enhanced Water Use Efficiency By Sayed Ali Ohab-Yazdi and Azadeh Ahmadi. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 07018001	2.8	
102	Real-time reservoir operation using data mining techniques. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 594	3.1	17
101	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. Loaiciga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07018001	1.1	2
100	Calculation of multi-objective optimal tradeoffs between environmental flows and hydropower generation. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	9
99	Closure to Simulation of Methyl Tertiary Butyl Ether Concentrations in River-Reservoir Systems Using Support Vector Regression By Mahyar Aboutalebi, Omid Bozorg-Haddad, and Hugo A. Loaiciga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 07017004	1.1	
98	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
97	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
96	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
95	Optimized cropping patterns under climate-change conditions. <i>Climatic Change</i> , 2017 , 143, 429-443	4.5	5
94	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
93	Extended multi-objective firefly algorithm for hydropower energy generation. <i>Journal of Hydroinformatics</i> , 2017 , 19, 734-751	2.6	9
92	Optimal operation of reservoir systems with the symbiotic organisms search (SOS) algorithm. <i>Journal of Hydroinformatics</i> , 2017 , 19, 507-521	2.6	11
91	The Enhanced Honey-Bee Mating Optimization Algorithm for Water Resources Optimization. <i>Water Resources Management</i> , 2017 , 31, 885-901	3.7	18
90	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
89	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

88	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
87	Optimal design of groundwater-level monitoring networks. <i>Journal of Hydroinformatics</i> , 2017 , 19, 920-929	2.9	14
86	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
85	Discussion of Optimization of Phenol Removal Using Ti/PbO ₂ Anode with Response Surface Methodology by C. Garc�a-Ghez, 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
84	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
83	Closure to Modified Firefly Algorithm for Solving Multireservoir Operation in Continuous and Discrete Domains by Irene Garousi-Nejad, Omid Bozorg-Haddad, and Hugo A. Lo�iga. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 07017005	2.8	
82	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
81	Environmental water demand assessment under climate change conditions. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 359	3.1	13
80	Unionism and Water Resources Management. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 02516003	1.1	3
79	Investigation of Climatic Variability with Hybrid Statistical Analysis. <i>Water Resources Management</i> , 2017 , 31, 341-353	3.7	1
78	The Safe Yield and Climatic Variability: Implications for Groundwater Management. <i>Ground Water</i> , 2017 , 55, 334-345	2.4	13
77	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
76	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
75	Multiobjective Optimal Operation of Gated Spillways. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04016078	1.1	4
74	Multiobjective Design of Water-Quality Monitoring Networks in River-Reservoir Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 04016070	2	14
73	Temporal variations of groundwater quality in the Western Jiangan Plain, China. <i>Science of the Total Environment</i> , 2017 , 578, 542-550	10.2	36
72	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
71	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

70	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
69	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
68	Multiobjective Reservoir Operation for Water Quality Optimization. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016065	1.1	20
67	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
66	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
65	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
64	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
63	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
62	Equation to Predict Riverine Transport of Suddenly Discharged Pollutants. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016050	1.1	4
61	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
60	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
59	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
58	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
57	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
56	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
55	Construction Risk Management of Irrigation Dams. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016009	1.1	3
54	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
53	Discussion of Reservoir Flood Season Segmentation and Optimal Operation of Flood-Limiting Water Levels by Haiyan Jiang, Zhongbo Yu, and Chongxun Mo. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016 , 21, 07015023	1.8	

52	Intermittent Urban Water Supply with Protection of Consumers Welfare. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2016 , 7, 04016002	1.5	10
51	Weed Optimization Algorithm for Optimal Reservoir Operation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04015055	1.1	53
50	Closure to Application of a Hybrid Optimization Method in Muskingum Parameter Estimation by Omid Bozorg Haddad, Farzan Hamed, Elahe Fallah-Mehdipour, Hosein Orouji, and Miguel A. Mari. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 07016010	1.1	
49	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
48	Closure to Investigation of Reservoir Qualitative Behavior Resulting from Sudden Entry of Biological Pollutant by Omid Bozorg-Haddad, Parisa-Sadat Ashofteh, Mohsen Ali-Hamzeh, and Miguel A. Mari. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 07016004	1.1	
47	A self-tuning ANN model for simulation and forecasting of surface flows. <i>Water Resources Management</i> , 2016 , 30, 2907-2929	3.7	24
46	Modified Firefly Algorithm for Solving Multi-reservoir Operation in Continuous and Discrete Domains. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016029	2.8	40
45	The soil leakage ratio in the Mudu watershed, China. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	16
44	Closure to Assimilative Capacity and Flow Dilution for Water Quality Protection in Rivers by Mostafa Farhadian, Omid Bozorg Haddad, Samaneh Seifollahi-Aghmiuni, and Hugo A. Loriga. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2015 , 19, 07015002	2.3	4
43	Probability Distributions in Groundwater Hydrology: Methods and Applications. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04014063	1.8	3
42	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
41	Optimal Monthly Reservoir Operation Rules for Hydropower Generation Derived with SVR-NSGAII. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04015029	2.8	66
40	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
39	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
38	Opportunities and challenges of interbasin water transfers: a literature review with bibliometric analysis. <i>Scientometrics</i> , 2015 , 105, 279-294	3	29
37	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
36	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
35	Hydropower Reservoir Management Under Climate Change: The Karoon Reservoir System. <i>Water Resources Management</i> , 2015 , 29, 749-770	3.7	60

34	Adaptive Reservoir Operation Rules Under Climatic Change. <i>Water Resources Management</i> , 2015 , 29, 1247-1266	3.7	70
33	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
32	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
31	Discussion of Optimization of Water Diversion Based on Reservoir Operating Rules: Analysis of the Biliu River Reservoir, China by Xueping Zhu, Chi Zhang, Junxian Yin, Huicheng Zhou, and Yunzhong Jiang. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 07015002	1.8	
30	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
29	Development of Real-Time Conjunctive Use Operation Rules for Aquifer-Reservoir Systems. <i>Water Resources Management</i> , 2015 , 29, 1887-1906	3.7	4
28	Sea-level rise and flooding in coastal riverine flood plains. <i>Hydrological Sciences Journal</i> , 2014 , 59, 204-220	5	16
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