D A Savic

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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.

 265
 9,835
 52
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 papers
 citations
 h-index
 g-index

 285
 11,240
 3.8
 6.45

 ext. papers
 ext. citations
 avg, IF
 L-index

#	Paper	IF	Citations
265	State of the Art for Genetic Algorithms and Beyond in Water Resources Planning and Management. Journal of Water Resources Planning and Management - ASCE, 2010 , 136, 412-432	2.8	410
264	Evolutionary algorithms and other metaheuristics in water resources: Current status, research challenges and future directions. <i>Environmental Modelling and Software</i> , 2014 , 62, 271-299	5.2	391
263	A review of methods for leakage management in pipe networks. <i>Urban Water Journal</i> , 2010 , 7, 25-45	2.3	382
262	The Battle of the Water Sensor Networks (BWSN): A Design Challenge for Engineers and Algorithms. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2008 , 134, 556-568	2.8	357
261	Wastewater reuse in Europe. <i>Desalination</i> , 2006 , 187, 89-101	10.3	314
260	Pressure-Driven Demand and Leakage Simulation for Water Distribution Networks. <i>Journal of Hydraulic Engineering</i> , 2008 , 134, 626-635	1.8	237
259	Evaluation of fuzzy linear regression models. <i>Fuzzy Sets and Systems</i> , 1991 , 39, 51-63	3.7	211
258	Water Network Rehabilitation with Structured Messy Genetic Algorithm. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1997 , 123, 137-146	2.8	210
257	An Investigation on Preference Order Ranking Scheme for Multiobjective Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2007 , 11, 17-45	15.6	206
256	Comparison of 1D/1D and 1D/2D Coupled (Sewer/Surface) Hydraulic Models for Urban Flood Simulation. <i>Journal of Hydraulic Engineering</i> , 2009 , 135, 495-504	1.8	189
255	Trade-off between Total Cost and Reliability for Anytown Water Distribution Network. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2005 , 131, 161-171	2.8	187
254	Operational Optimization of Water Distribution Systems Using a Hybrid Genetic Algorithm. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2004 , 130, 160-170	2.8	180
253	A Genetic Programming Approach to Rainfall-Runoff Modelling. <i>Water Resources Management</i> , 1999 , 13, 219-231	3.7	158
252	Multiobjective design of water distribution systems under uncertainty. <i>Water Resources Research</i> , 2005 , 41,	5.4	137
251	Advances in data-driven analyses and modelling using EPR-MOGA. <i>Journal of Hydroinformatics</i> , 2009 , 11, 225-236	2.6	134
250	Quo vadis water distribution model calibration?. <i>Urban Water Journal</i> , 2009 , 6, 3-22	2.3	132
249	Development of pipe deterioration models for water distribution systems using EPR. <i>Journal of Hydroinformatics</i> , 2008 , 10, 113-126	2.6	127

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248	Evolutionary multi-objective optimization in water distribution network design. <i>Engineering Optimization</i> , 2005 , 37, 167-183	2	127
247	Lost in optimisation of water distribution systems? A literature review of system operation. <i>Environmental Modelling and Software</i> , 2017 , 93, 209-254	5.2	121
246	Least-Cost Design of Water Distribution Networks under Demand Uncertainty. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2005 , 131, 375-382	2.8	117
245	Two-Objective Design of Benchmark Problems of a Water Distribution System via MOEAs: Towards the Best-Known Approximation of the True Pareto Front. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04014060	2.8	112
244	Stochastic sampling design using a multi-objective genetic algorithm and adaptive neural networks. <i>Environmental Modelling and Software</i> , 2009 , 24, 530-541	5.2	102
243	An integrated model to evaluate water-energy-food nexus at a household scale. <i>Environmental Modelling and Software</i> , 2017 , 93, 366-380	5.2	97
242	Battle of the Water Calibration Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2012 , 138, 523-532	2.8	95
241	Booster Disinfection of Water Supply Networks: Multiobjective Approach. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2004 , 130, 367-376	2.8	95
240	Automated Detection of Pipe Bursts and Other Events in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 457-467	2.8	93
239	Multiobjective Sampling Design for Water Distribution Model Calibration. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2003 , 129, 466-479	2.8	91
238	An integrated framework for high-resolution urban flood modelling considering multiple information sources and urban features. <i>Environmental Modelling and Software</i> , 2018 , 107, 85-95	5.2	90
237	Identification of segments and optimal isolation valve system design in water distribution networks. <i>Urban Water Journal</i> , 2010 , 7, 1-15	2.3	89
236	Assessing pipe failure rate and mechanical reliability of water distribution networks using data-driven modeling. <i>Journal of Hydroinformatics</i> , 2009 , 11, 1-17	2.6	89
235	SIPSON Limulation of Interaction between Pipe flow and Surface Overland flow in Networks. <i>Water Science and Technology</i> , 2005 , 52, 275-283	2.2	89
234	A DSS generator for multiobjective optimisation of spreadsheet-based models. <i>Environmental Modelling and Software</i> , 2011 , 26, 551-561	5.2	83
233	A multi-model approach to analysis of environmental phenomena. <i>Environmental Modelling and Software</i> , 2007 , 22, 674-682	5.2	77
232	Integrated System Dynamics Modelling for water scarcity assessment: case study of the Kairouan region. <i>Science of the Total Environment</i> , 2012 , 440, 290-306	10.2	76
231	Formulation of a fast 2D urban pluvial flood model using a cellular automata approach. <i>Journal of Hydroinformatics</i> , 2013 , 15, 676-686	2.6	73

230	Attribution of flood risk in urban areas. <i>Journal of Hydroinformatics</i> , 2008 , 10, 275-288	2.6	73
229	Probabilistic prediction of urban water consumption using the SCEM-UA algorithm. <i>Urban Water Journal</i> , 2008 , 5, 125-132	2.3	73
228	Efficient multi-objective optimal design of water distribution networks on a budget of simulations using hybrid algorithms. <i>Environmental Modelling and Software</i> , 2009 , 24, 202-213	5.2	72
227	Dealing with Uncertainty in Water Distribution System Models: A Framework for Real-Time Modeling and Data Assimilation. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 169-183	2.8	65
226	An evolutionary Bayesian belief network methodology for optimum management of groundwater contamination. <i>Environmental Modelling and Software</i> , 2009 , 24, 303-310	5.2	65
225	Calibration of Water Distribution Hydraulic Models Using a Bayesian-Type Procedure. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 927-936	1.8	65
224	Graph-Theoretic Approach and Sound Engineering Principles for Design of District Metered Areas. Journal of Water Resources Planning and Management - ASCE, 2014 , 140, 04014036	2.8	63
223	Fuzzy Multiobjective Optimization of Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2005 , 131, 467-476	2.8	62
222	Multi-objective optimization of water distribution systems based on a real options approach. <i>Environmental Modelling and Software</i> , 2015 , 63, 1-13	5.2	61
221	Risk-Based Sensor Placement for Contaminant Detection in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2010 , 136, 629-636	2.8	61
220	Crowdsourcing Methods for Data Collection in Geophysics: State of the Art, Issues, and Future Directions. <i>Reviews of Geophysics</i> , 2018 , 56, 698-740	23.1	60
219	Comparing Low and High-Level Hybrid Algorithms on the Two-Objective Optimal Design of Water Distribution Systems. <i>Water Resources Management</i> , 2015 , 29, 1-16	3.7	59
218	Algorithm for Automatic Detection of Topological Changes in Water Distribution Networks. <i>Journal of Hydraulic Engineering</i> , 2008 , 134, 435-446	1.8	58
217	Lost in Optimisation of Water Distribution Systems? A Literature Review of System Design. <i>Water (Switzerland)</i> , 2018 , 10, 307	3	56
216	Optimal Sampling Design Methodologies for Water Distribution Model Calibration. <i>Journal of Hydraulic Engineering</i> , 2005 , 131, 190-200	1.8	56
215	Symbolic and numerical regression: experiments and applications. <i>Information Sciences</i> , 2003 , 150, 95-1	1 7 .7	55
214	Development of rehabilitation plans for water mains replacement considering risk and cost-benefit assessment. <i>Civil Engineering and Environmental Systems</i> , 2006 , 23, 175-190	2.1	53
213	AN EVOLUTION PROGRAM FOR OPTIMAL PRESSURE REGULATION IN WATER DISTRIBUTION NETWORKS. <i>Engineering Optimization</i> , 1995 , 24, 197-219	2	50

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212	Calibration of a 1D/1D urban flood model using 1D/2D model results in the absence of field data. <i>Water Science and Technology</i> , 2011 , 64, 1016-24	2.2	49	
211	Extended Period Simulation Analysis Considering Valve Shutdowns. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2008 , 134, 527-537	2.8	48	
210	A coarse-grid approach to representing building blockage effects in 2D urban flood modelling. <i>Journal of Hydrology</i> , 2012 , 426-427, 1-16	6	47	
209	Multi-Stakeholder Development of a Serious Game to Explore the Water-Energy-Food-Land-Climate Nexus: The SIM4NEXUS Approach. <i>Water (Switzerland)</i> , 2018 , 10, 139	3	46	
208	Water Reservoir Control with Data Mining. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2003 , 129, 26-34	2.8	46	
207	Operational resilience of reservoirs to climate change, agricultural demand, and tourism: A case study from Sardinia. <i>Science of the Total Environment</i> , 2016 , 543, 1028-38	10.2	44	
206	An analysis of the combined consequences of pluvial and fluvial flooding. <i>Water Science and Technology</i> , 2010 , 62, 1491-8	2.2	42	
205	Modelling sewer failure by evolutionary computing. Water Management, 2006, 159, 111-118	1	42	
204	Effects of Redesign of Water Systems for Security and Water Quality Factors 2009,		41	
203	Municipal wastewater reclamation: where do we stand? An overview of treatment technology and management practice. <i>Water Science and Technology: Water Supply</i> , 2005 , 5, 77-85	1.4	41	
202	A risk-based assessment of the household water-energy-food nexus under the impact of seasonal variability. <i>Journal of Cleaner Production</i> , 2018 , 171, 1275-1289	10.3	40	
201	Multi-objective rehabilitation of urban drainage systems under uncertainties. <i>Journal of Hydroinformatics</i> , 2014 , 16, 1044-1061	2.6	40	
200	Economic considerations and decision support tool for wastewater reuse scheme planning. <i>Water Science and Technology</i> , 2007 , 56, 175-82	2.2	40	
199	Multi-Reservoir Operation Planning Using Hybrid Genetic Algorithm and Linear Programming (GA-LP): An Alternative Stochastic Approach. <i>Water Resources Management</i> , 2005 , 19, 831-848	3.7	37	
198	Method for the identification of explicit polynomial formulae for the friction in turbulent pipe flow. <i>Journal of Hydroinformatics</i> , 1999 , 1, 115-126	2.6	37	
197	Operational and Tactical Management of Water and Energy Resources in Pressurized Systems: Competition at WDSA 2014. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142,	2.8	36	
196	Multi-layered coarse grid modelling in 2D urban flood simulations. <i>Journal of Hydrology</i> , 2012 , 470-471, 1-11	6	36	
195	Asset deterioration analysis using multi-utility data and multi-objective data mining. <i>Journal of Hydroinformatics</i> , 2009 , 11, 211-224	2.6	36	

194	Risk- and robustness-based solutions to a multi-objective water distribution system rehabilitation problem under uncertainty. <i>Water Science and Technology</i> , 2006 , 53, 61-75	2.2	36
193	SLOTS: Effective Algorithm for Sensor Placement in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2010 , 136, 620-628	2.8	35
192	Robust Least-Cost Design of Water Distribution Networks Using Redundancy and Integration-Based Methodologies. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2007 , 133, 67-77	2.8	35
191	Serious Gaming for Water Systems Planning and Management. Water (Switzerland), 2016, 8, 456	3	35
190	Water Supply Reservoir Operation by Combined Genetic Algorithm Linear Programming (GA-LP) Approach. <i>Water Resources Management</i> , 2006 , 20, 227-255	3.7	34
189	Optimum Design and Management of Pressurized Branched Irrigation Networks. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2007 , 133, 528-537	1.1	33
188	Exploring the potential climate change impact on urban growth in London by a cellular automata-based Markov chain model. <i>Computers, Environment and Urban Systems</i> , 2018 , 68, 121-132	5.9	32
187	Urban Hydroinformatics: Past, Present and Future. Water (Switzerland), 2019, 11, 1959	3	31
186	Multi-criterion water quality analysis of the Danube River in Serbia: A visualisation approach. <i>Water Research</i> , 2015 , 79, 158-72	12.5	31
185	Interdisciplinary assessment of sea-level rise and climate change impacts on the lower Nile delta, Egypt. <i>Science of the Total Environment</i> , 2015 , 503-504, 279-88	10.2	30
184	Geostatistical techniques for approximate location of pipe burst events in water distribution systems. <i>Journal of Hydroinformatics</i> , 2013 , 15, 634-651	2.6	30
183	Scheduling of water distribution system rehabilitation using structured messy genetic algorithms. <i>Evolutionary Computation</i> , 1999 , 7, 311-29	4.3	30
182	Intelligent Decision Support and Reservoir Management and Operations. <i>Journal of Computing in Civil Engineering</i> , 1989 , 3, 367-385	5	30
181	Forecasting Domestic Water Consumption from Smart Meter Readings Using Statistical Methods and Artificial Neural Networks. <i>Procedia Engineering</i> , 2015 , 119, 1419-1428		29
180	Comparison of three data-driven techniques in modelling the evapotranspiration process. <i>Journal of Hydroinformatics</i> , 2010 , 12, 365-379	2.6	29
179	Considering the Mutual Dependence of Pulse Duration and Intensity in Models for Generating Residential Water Demand. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04	07503	1 28
178	Evolutionary Algorithm and Expectation Maximization Strategies for Improved Detection of Pipe Bursts and Other Events in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 572-584	2.8	27
177	Automatic Multi-objective Sectorization of a Water Distribution Network. <i>Procedia Engineering</i> , 2014 , 89, 1200-1207		27

176	A variable rate coefficient chlorine decay model. <i>Environmental Science & Environmental Science & Env</i>	18 -1 143	27
175	Application of Artificial Neural Networks for Dengue Fever Outbreak Predictions in the Northwest Coast of Yucatan, Mexico and San Juan, Puerto Rico. <i>Tropical Medicine and Infectious Disease</i> , 2018 , 3,	3.5	27
174	Parameterizing residential water demand pulse models through smart meter readings. <i>Environmental Modelling and Software</i> , 2016 , 80, 33-40	5.2	26
173	An evolutionary multiobjective strategy for the effective management of groundwater resources. Water Resources Research, 2008, 44,	5.4	26
172	Leak Localization in a Real Water Distribution Network Based on Search-Space Reduction. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019 , 145, 04019024	2.8	25
171	Prediction of weekly nitrate-N fluctuations in a small agricultural watershed in Illinois. <i>Journal of Hydroinformatics</i> , 2010 , 12, 251-261	2.6	25
170	Computationally Efficient Modeling Method for Large Water Network Analysis. <i>Journal of Hydraulic Engineering</i> , 2012 , 138, 313-326	1.8	25
169	Battle of Background Leakage Assessment for Water Networks (BBLAWN) at WDSA Conference 2014. <i>Procedia Engineering</i> , 2014 , 89, 4-12		24
168	Multi-stage Linear Programming Optimization for Pump Scheduling. <i>Procedia Engineering</i> , 2014 , 70, 13	78-138	523
167	Smart Meters, Smart Water, Smart Societies: The iWIDGET Project. <i>Procedia Engineering</i> , 2014 , 89, 110.	5-1112	23
167 166	Smart Meters, Smart Water, Smart Societies: The iWIDGET Project. <i>Procedia Engineering</i> , 2014 , 89, 110. Design and Performance of District Metering Areas in Water Distribution Systems. <i>Procedia Engineering</i> , 2014 , 89, 1136-1143	5-1112	23
Í	Design and Performance of District Metering Areas in Water Distribution Systems. <i>Procedia</i>	5-1112 0.9	
166	Design and Performance of District Metering Areas in Water Distribution Systems. <i>Procedia Engineering</i> , 2014 , 89, 1136-1143 Decision-support tools for sustainable urban development. <i>Proceedings of the Institution of Civil</i>		23
166 165	Design and Performance of District Metering Areas in Water Distribution Systems. <i>Procedia Engineering</i> , 2014 , 89, 1136-1143 Decision-support tools for sustainable urban development. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2005 , 158, 135-142 Assessing and visualising hazard impacts to enhance the resilience of Critical Infrastructures to	0.9	23
166 165 164	Design and Performance of District Metering Areas in Water Distribution Systems. <i>Procedia Engineering</i> , 2014 , 89, 1136-1143 Decision-support tools for sustainable urban development. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2005 , 158, 135-142 Assessing and visualising hazard impacts to enhance the resilience of Critical Infrastructures to urban flooding. <i>Science of the Total Environment</i> , 2020 , 707, 136078 A multi-objective optimisation model for sewer rehabilitation considering critical risk of failure.	0.9	23 23 23
166165164163	Design and Performance of District Metering Areas in Water Distribution Systems. <i>Procedia Engineering</i> , 2014 , 89, 1136-1143 Decision-support tools for sustainable urban development. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2005 , 158, 135-142 Assessing and visualising hazard impacts to enhance the resilience of Critical Infrastructures to urban flooding. <i>Science of the Total Environment</i> , 2020 , 707, 136078 A multi-objective optimisation model for sewer rehabilitation considering critical risk of failure. <i>Water Science and Technology</i> , 2012 , 66, 2410-7 Using Real Options in the Optimal Design of Water Distribution Networks. <i>Journal of Water</i>	0.9	23 23 23 22
166165164163162	Design and Performance of District Metering Areas in Water Distribution Systems. <i>Procedia Engineering</i> , 2014 , 89, 1136-1143 Decision-support tools for sustainable urban development. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2005 , 158, 135-142 Assessing and visualising hazard impacts to enhance the resilience of Critical Infrastructures to urban flooding. <i>Science of the Total Environment</i> , 2020 , 707, 136078 A multi-objective optimisation model for sewer rehabilitation considering critical risk of failure. <i>Water Science and Technology</i> , 2012 , 66, 2410-7 Using Real Options in the Optimal Design of Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04014052	0.9 10.2 2.2 2.8	23 23 23 22 21

158	An investigation on stream temperature analysis based on evolutionary computing. <i>Hydrological Processes</i> , 2008 , 22, 315-326	3.3	21
157	Optimal opportunistic maintenance policy using genetic algorithms, 1: formulation. <i>Journal of Quality in Maintenance Engineering</i> , 1995 , 1, 34-49	1.1	21
156	Assessing the global resilience of water quality sensor placement strategies within water distribution systems. <i>Water Research</i> , 2020 , 172, 115527	12.5	20
155	Probabilistic building block identification for the optimal design and rehabilitation of water distribution systems. <i>Journal of Hydroinformatics</i> , 2009 , 11, 89-105	2.6	20
154	Water Quality Model Calibration under Unknown Demands. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2008 , 134, 326-336	2.8	20
153	Development of an integrated simulation model for treatment and distribution of reclaimed water. <i>Desalination</i> , 2006 , 188, 9-20	10.3	20
152	GALAXY: A new hybrid MOEA for the optimal design of Water Distribution Systems. <i>Water Resources Research</i> , 2017 , 53, 1997-2015	5.4	19
151	An investigation of the efficient implementation of cellular automata on multi-core CPU and GPU hardware. <i>Journal of Parallel and Distributed Computing</i> , 2015 , 77, 11-25	4.4	19
150	Using a Systematic, Multi-criteria Decision Support Framework to Evaluate Sustainable Drainage Designs. <i>Procedia Engineering</i> , 2014 , 70, 343-352		19
149	Integrated modelling of a coupled water-agricultural system using system dynamics. <i>Journal of Water and Climate Change</i> , 2013 , 4, 209-231	2.3	19
148	Development and validation of system design principles for water reuse systems. <i>Desalination</i> , 2008 , 218, 142-153	10.3	19
147	Battle of the Water Networks District Metered Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019 , 145, 04019002	2.8	18
146	Simulating Marginal and Dependence Behaviour of Water Demand Processes at Any Fine Time Scale. <i>Water (Switzerland)</i> , 2019 , 11, 885	3	18
145	Economic Performance of DMAs in Water Distribution Systems. <i>Procedia Engineering</i> , 2015 , 119, 189-1	95	18
144	Heuristic Modelling of the Water Resources Management in the Guadalquivir River Basin, Southern Spain. <i>Water Resources Management</i> , 2012 , 26, 185-209	3.7	18
143	From single-objective to multiple-objective multiple-rainfall events automatic calibration of urban storm water runoff models using genetic algorithms. <i>Water Science and Technology</i> , 2006 , 54, 57-64	2.2	18
142	Parameterization of NSGA-II for the Optimal Design of Water Distribution Systems. <i>Water</i> (Switzerland), 2019 , 11, 971	3	17
141	An analysis of the interface between evolutionary algorithm operators and problem features for water resources problems. A case study in water distribution network design. <i>Environmental Modelling and Software</i> , 2015 , 69, 414-424	5.2	17

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140	Adaptive locally constrained genetic algorithm for least-cost water distribution network design. Journal of Hydroinformatics, 2014 , 16, 288-301	2.6	17
139	A general multi-objective hyper-heuristic for water distribution network design with discolouration risk. <i>Journal of Hydroinformatics</i> , 2013 , 15, 700-716	2.6	17
138	A Serious Game Designed to Explore and Understand the Complexities of Flood Mitigation Options in Urban R ural Catchments. <i>Water (Switzerland)</i> , 2018 , 10, 1885	3	17
137	Impact of urban water supply on energy use in China: a provincial and national comparison. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016 , 21, 1213-1233	3.9	16
136	Rapid assessment of surface-water flood-management options in urban catchments. <i>Urban Water Journal</i> , 2018 , 15, 210-217	2.3	16
135	Integrated Optimal Cost and Pressure Management for Water Distribution Systems. <i>Procedia Engineering</i> , 2014 , 70, 1659-1668		16
134	Evolving sustainable water networks. <i>Hydrological Sciences Journal</i> , 1997 , 42, 549-564	3.5	16
133	Tank Simulation for the Optimization of Water Distribution Networks. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 625-636	1.8	16
132	Fuzzy hierarchical decision support system for water distribution network optimization. <i>Civil Engineering and Environmental Systems</i> , 2006 , 23, 237-261	2.1	16
131	Real-time Data Assimilation in Urban Rainfall-runoff Models. <i>Procedia Engineering</i> , 2014 , 70, 843-852		15
131	Real-time Data Assimilation in Urban Rainfall-runoff Models. <i>Procedia Engineering</i> , 2014 , 70, 843-852 A Web-based Platform for Water Efficient Households. <i>Procedia Engineering</i> , 2014 , 89, 1128-1135		15 15
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130	A Web-based Platform for Water Efficient Households. <i>Procedia Engineering</i> , 2014 , 89, 1128-1135 Hybrid metaheuristics for multi-objective design of water distribution systems. <i>Journal of</i>	2.6	15
130	A Web-based Platform for Water Efficient Households. <i>Procedia Engineering</i> , 2014 , 89, 1128-1135 Hybrid metaheuristics for multi-objective design of water distribution systems. <i>Journal of Hydroinformatics</i> , 2014 , 16, 165-177 Comparison of two methods for the stochastic least cost design of water distribution systems.		15 15
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130 129 128	A Web-based Platform for Water Efficient Households. <i>Procedia Engineering</i> , 2014 , 89, 1128-1135 Hybrid metaheuristics for multi-objective design of water distribution systems. <i>Journal of Hydroinformatics</i> , 2014 , 16, 165-177 Comparison of two methods for the stochastic least cost design of water distribution systems. <i>Engineering Optimization</i> , 2006 , 38, 281-297 Economic level of reliability for the rehabilitation of hydraulic networks. <i>Civil Engineering and Environmental Systems</i> , 2006 , 23, 191-207	2.1	15 15 15
130 129 128 127	A Web-based Platform for Water Efficient Households. <i>Procedia Engineering</i> , 2014 , 89, 1128-1135 Hybrid metaheuristics for multi-objective design of water distribution systems. <i>Journal of Hydroinformatics</i> , 2014 , 16, 165-177 Comparison of two methods for the stochastic least cost design of water distribution systems. <i>Engineering Optimization</i> , 2006 , 38, 281-297 Economic level of reliability for the rehabilitation of hydraulic networks. <i>Civil Engineering and Environmental Systems</i> , 2006 , 23, 191-207 Incorporating spatial and temporal information for urban drainage model calibration: An approach using preference ordering genetic algorithm. <i>Advances in Water Resources</i> , 2006 , 29, 1168-1181 Self-Adaptive Fitness Formulation for Evolutionary Constrained Optimization of Water Systems.	2.1	15 15 15 15

122	Application of Formal and Informal Bayesian Methods for Water Distribution Hydraulic Model Calibration. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 04014030	2.8	14
121	An evolutionary Bayesian belief network methodology for participatory decision making under uncertainty: an application to groundwater management. <i>Integrated Environmental Assessment and Management</i> , 2012 , 8, 456-61	2.5	14
120	The Nile Water-Food-Energy Nexus under Uncertainty: Impacts of the Grand Ethiopian Renaissance Dam. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020 , 146, 04020085	2.8	14
119	Selection of relevant input variables in storm water quality modeling by multiobjective evolutionary polynomial regression paradigm. <i>Water Resources Research</i> , 2016 , 52, 2403-2419	5.4	14
118	Using real options for an eco-friendly design of water distribution systems. <i>Journal of Hydroinformatics</i> , 2015 , 17, 20-35	2.6	13
117	Artificial Intelligence Techniques for Flood Risk Management in Urban Environments. <i>Procedia Engineering</i> , 2014 , 70, 1505-1512		13
116	Optimising wastewater treatment solutions for the removal of contaminants of emerging concern (CECs): a case study for application in India. <i>Journal of Hydroinformatics</i> , 2020 , 22, 93-110	2.6	13
115	Quick and accurate Cellular Automata sewer simulator. <i>Journal of Hydroinformatics</i> , 2014 , 16, 1359-137	742.6	12
114	Using high performance techniques to accelerate demand-driven hydraulic solvers. <i>Journal of Hydroinformatics</i> , 2013 , 15, 38-54	2.6	12
113	Robust optimization methodologies for water supply systems design. <i>Drinking Water Engineering and Science</i> , 2012 , 5, 31-37	2	12
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