D A SaviÄ‡

List of Publications by Year
in descending order

280 papers	13,001 citations	25034 57 h-index	30087 103 g-index
286 all docs	286 docs citations	286 times ranked	7880 citing authors

#	Article	IF	Citations
1	Digital Water Developments and Lessons Learned from Automation in the Car and Aircraft Industries. Engineering, 2022, 9, 35-41.	6.7	11
2	Water-food-energy nexus for transboundary cooperation in Eastern Africa. Water Science and Technology: Water Supply, 2022, 22, 3567-3587.	2.1	6
3	Water quality and macrophytes in the Danube River: Artificial neural network modelling. Ecological Indicators, 2021, 121, 107076.	6.3	12
4	Real-time foul sewer hydraulic modelling driven by water consumption data from water distribution systems. Water Research, 2021, 188, 116544.	11.3	16
5	Forensic engineering analysis applied to flood control. Journal of Hydrology, 2021, 594, 125961.	5.4	4
6	Hydroinformatics education – the Water Informatics in Science and Engineering (WISE) Centre for Doctoral Training. Hydrology and Earth System Sciences, 2021, 25, 2721-2738.	4.9	3
7	Water quality modeling in sewer networks: Review and future research directions. Water Research, 2021, 202, 117419.	11.3	35
8	Foul sewer model development using geotagged information and smart water meter data. Water Research, 2021, 204, 117594.	11.3	5
9	Optimising wastewater treatment solutions for the removal of contaminants of emerging concern (CECs): a case study for application in India. Journal of Hydroinformatics, 2020, 22, 93-110.	2.4	18
10	Assessing and visualising hazard impacts to enhance the resilience of Critical Infrastructures to urban flooding. Science of the Total Environment, 2020, 707, 136078.	8.0	40
11	Knowledge-based multi-objective genetic algorithms for the design of water distribution networks. Journal of Hydroinformatics, 2020, 22, 402-422.	2.4	13
12	Efficient Leak Localization in Water Distribution Systems Using Multistage Optimal Valve Operations and Smart Demand Metering. Water Resources Research, 2020, 56, e2020WR028285.	4.2	37
13	Using Complex Network Analysis for Optimization of Water Distribution Networks. Water Resources Research, 2020, 56, e2020WR027929.	4.2	53
14	A Flexible Approach for the Reinforcement of Water Networks Using Multi-Criteria Decision Analysis. Water Resources Management, 2020, 34, 4469-4490.	3.9	14
15	The Nile Water-Food-Energy Nexus under Uncertainty: Impacts of the Grand Ethiopian Renaissance Dam. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	26
16	Development and Application of a Multi-Objective-Optimization and Multi-Criteria-Based Decision Support Tool for Selecting Optimal Water Treatment Technologies in India. Water (Switzerland), 2020, 12, 2836.	2.7	6
17	Improving the Effectiveness of Multiobjective Optimization Design of Urban Drainage Systems. Water Resources Research, 2020, 56, e2019WR026656.	4.2	16
18	Battle of Postdisaster Response and Restoration. Journal of Water Resources Planning and Management - ASCE, 2020, 146, 04020067.	2.6	14

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19	Case study of the cascading effects on critical infrastructure in Torbay coastal/pluvial flooding with climate change and 3D visualisation. Journal of Hydroinformatics, 2020, 22, 77-92.	2.4	6
20	Water Resource Systems Analysis for Water Scarcity Management: The Thames Water Case Study. Water (Switzerland), 2020, 12, 1761.	2.7	3
21	Assessing the global resilience of water quality sensor placement strategies within water distribution systems. Water Research, 2020, 172, 115527.	11.3	32
22	Human-Derived Heuristic Enhancement of an Evolutionary Algorithm for the 2D Bin-Packing Problem. Lecture Notes in Computer Science, 2020, , 413-427.	1.3	4
23	Adaptive augmented evolutionary intelligence for the design of water distribution networks. , 2020, , .		1
24	Performance of LEMMO with artificial neural networks for water systems optimisation. Urban Water Journal, 2019, 16, 21-32.	2.1	8
25	Flow regime identification for air valves failure evaluation in water pipelines using pressure data. Water Research, 2019, 165, 115002.	11.3	14
26	Urban Hydroinformatics: Past, Present and Future. Water (Switzerland), 2019, 11, 1959.	2.7	47
27	Human-evolutionary problem solving through gamification of a bin-packing problem. , 2019, , .		4
28	Battle of the Water Networks District Metered Areas. Journal of Water Resources Planning and Management - ASCE, 2019, 145, 04019002.	2.6	32
29	Parameterization of NSGA-II for the Optimal Design of Water Distribution Systems. Water (Switzerland), 2019, 11, 971.	2.7	35
30	Simulating Marginal and Dependence Behaviour of Water Demand Processes at Any Fine Time Scale. Water (Switzerland), 2019, 11, 885.	2.7	24
31	A Dynamic Adaptive Approach for Water Distribution Network Design. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	2.6	23
32	Leak Localization in a Real Water Distribution Network Based on Search-Space Reduction. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	2.6	62
33	Augmented evolutionary intelligence. , 2019, , .		4
34	Interactive Decomposition Multiobjective Optimization Via Progressively Learned Value Functions. IEEE Transactions on Fuzzy Systems, 2019, 27, 849-860.	9.8	27
35	Predicting culturable enterococci exceedances at Escambron Beach, San Juan, Puerto Rico using satellite remote sensing and artificial neural networks. Journal of Water and Health, 2019, 17, 137-148.	2.6	11
36	Wastewater System Ventilation â€" A Friend or Adversary?. Green Energy and Technology, 2019, , 712-716.	0.6	1

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37	Explicit Expressions for State Estimation Sensitivity Analysis in Water Systems. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	9
38	Rapid assessment of surface-water flood-management options in urban catchments. Urban Water Journal, 2018, 15, 210-217.	2.1	22
39	3D visualisation tool for improving the resilience to urban and coastal flooding in Torbay, UK. Procedia Engineering, 2018, 212, 809-815.	1.2	10
40	Discussion of â€œNew Pressure-Driven Approach for Modeling Water Distribution Networksâ€•by Herman A. Mahmoud, Dragan Savić, and Zoran Kapelan. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 07018005.	2.6	0
41	A risk-based assessment of the household water-energy-food nexus under the impact of seasonal variability. Journal of Cleaner Production, 2018, 171, 1275-1289.	9.3	59
42	Exploring the potential climate change impact on urban growth in London by a cellular automata-based Markov chain model. Computers, Environment and Urban Systems, 2018, 68, 121-132.	7.1	49
43	Simplified Approach to Water Distribution System Management via Identification of a Primary Network. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	15
44	A Serious Game Designed to Explore and Understand the Complexities of Flood Mitigation Options in Urbanâ€"Rural Catchments. Water (Switzerland), 2018, 10, 1885.	2.7	28
45	Crowdsourcing Methods for Data Collection in Geophysics: State of the Art, Issues, and Future Directions. Reviews of Geophysics, 2018, 56, 698-740.	23.0	90
46	Application of Artificial Neural Networks for Dengue Fever Outbreak Predictions in the Northwest Coast of Yucatan, Mexico and San Juan, Puerto Rico. Tropical Medicine and Infectious Disease, 2018, 3, 5.	2.3	42
47	Comparison of Multiobjective Optimization Methods Applied to Urban Drainage Adaptation Problems. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 04018070.	2.6	15
48	Assessing spatial and temporal variations in regional sustainability in mainland China from 2004 to 2014. Clean Technologies and Environmental Policy, 2018, 20, 1185-1194.	4.1	5
49	Multi-Stakeholder Development of a Serious Game to Explore the Water-Energy-Food-Land-Climate Nexus: The SIM4NEXUS Approach. Water (Switzerland), 2018, 10, 139.	2.7	69
50	Lost in Optimisation of Water Distribution Systems? A Literature Review of System Design. Water (Switzerland), 2018, 10, 307.	2.7	103
51	An integrated framework for high-resolution urban flood modelling considering multiple information sources and urban features. Environmental Modelling and Software, 2018, 107, 85-95.	4.5	150
52	Editorial: Current water challenges require holistic and global solutions. Journal of Hydroinformatics, 2018, 20, 533-534.	2.4	4
53	Operation of Multiple Pumped-Water Sources with No Storage. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	13
54	GALAXY: A new hybrid MOEA for the optimal design of Water Distribution Systems. Water Resources Research, 2017, 53, 1997-2015.	4.2	40

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55	An integrated model to evaluate water-energy-food nexus at a household scale. Environmental Modelling and Software, 2017, 93, 366-380.	4.5	134
56	Serious Game Approach to Water Distribution System Design and Rehabilitation Problems. Procedia Engineering, 2017, 186, 76-83.	1.2	9
57	Lost in optimisation of water distribution systems? A literature review of system operation. Environmental Modelling and Software, 2017, 93, 209-254.	4.5	195
58	Emergency Management of Water Distribution Systems: The Nodal Demand Control. Procedia Engineering, 2017, 186, 428-435.	1.2	2
59	Serious Gaming for Water Systems Planning and Management. Water (Switzerland), 2016, 8, 456.	2.7	49
60	Selection of relevant input variables in storm water quality modeling by multiobjective evolutionary polynomial regression paradigm. Water Resources Research, 2016, 52, 2403-2419.	4.2	20
61	Rehabilitating pressurized irrigation networks for an increased energy efficiency. Agricultural Water Management, 2016, 164, 212-222.	5.6	9
62	Parameterizing residential water demand pulse models through smart meter readings. Environmental Modelling and Software, 2016, 80, 33-40.	4.5	30
63	Operational and Tactical Management of Water and Energy Resources in Pressurized Systems: Competition at WDSA 2014. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	44
64	Operational resilience of reservoirs to climate change, agricultural demand, and tourism: A case study from Sardinia. Science of the Total Environment, 2016, 543, 1028-1038.	8.0	59
65	Impact of urban water supply on energy use in China: a provincial and national comparison. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 1213-1233.	2.1	24
66	Combining Model Predictive Control with Constraint-satisfaction Formulation for the Operative Pumping Control in Water Networks. Procedia Engineering, 2015, 119, 963-972.	1.2	9
67	Correlation or not Correlation? This is the Question in Modelling Residential Water Demand Pulses. Procedia Engineering, 2015, 119, 1455-1462.	1.2	4
68	Economic Performance of DMAs in Water Distribution Systems. Procedia Engineering, 2015, 119, 189-195.	1.2	29
69	Briefing: Negotiating value at the research–practice interface in the water sector. Proceedings of Institution of Civil Engineers: Management, Procurement and Law, 2015, 168, 8-11.	0.5	1
70	Preserving Duration-intensity Correlation on Synthetically Generated Water Demand Pulses. Procedia Engineering, 2015, 119, 1463-1472.	1.2	6
71	Advances in Water Mains Network Modelling for Improved Operations. Procedia Engineering, 2015, 119, 593-602.	1.2	5
72	Multi-criterion water quality analysis of the Danube River in Serbia: A visualisation approach. Water Research, 2015, 79, 158-172.	11.3	44

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73	Development of a Leakage Target Setting Approach for South Korea Based on Economic Level of Leakage. Procedia Engineering, 2015, 119, 120-129.	1.2	10
74	A Multicriteria Approach for a Phased Design of Water Distribution Networks. Procedia Engineering, 2015, 119, 1231-1240.	1.2	8
75	Forecasting Domestic Water Consumption from Smart Meter Readings Using Statistical Methods and Artificial Neural Networks. Procedia Engineering, 2015, 119, 1419-1428.	1.2	41
76	Considering the Mutual Dependence of Pulse Duration and Intensity in Models for Generating Residential Water Demand. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	2.6	31
77	An analysis of the interface between evolutionary algorithm operators and problem features for water resources problems. A case study in water distribution network design. Environmental Modelling and Software, 2015, 69, 414-424.	4.5	22
78	Using real options for an eco-friendly design of water distribution systems. Journal of Hydroinformatics, 2015, 17, 20-35.	2.4	15
79	Two-Objective Design of Benchmark Problems of a Water Distribution System via MOEAs: Towards the Best-Known Approximation of the True Pareto Front. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	2.6	157
80	Assessing Financial Loss due to Pluvial Flooding and the Efficacy of Risk-Reduction Measures in the Residential Property Sector. Water Resources Management, 2015, 29, 161-179.	3.9	13
81	Sequence Analysis-based Hyper-heuristics for Water Distribution Network Optimisation. Procedia Engineering, 2015, 119, 1269-1277.	1.2	10
82	An investigation of the efficient implementation of cellular automata on multi-core CPU and GPU hardware. Journal of Parallel and Distributed Computing, 2015, 77, 11-25.	4.1	27
83	Using Real Options in the Optimal Design of Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	2.6	27
84	Comparing Low and High-Level Hybrid Algorithms on the Two-Objective Optimal Design of Water Distribution Systems. Water Resources Management, 2015, 29, 1-16.	3.9	66
85	Multi-objective optimization of water distribution systems based on a real options approach. Environmental Modelling and Software, 2015, 63, 1-13.	4.5	75
86	Interdisciplinary assessment of sea-level rise and climate change impacts on the lower Nile delta, Egypt. Science of the Total Environment, 2015, 503-504, 279-288.	8.0	35
87	Dealing with Uncertainty through Real Options for the Multi-objective Design of Water Distribution Networks. Procedia Engineering, 2014, 89, 856-863.	1.2	7
88	Editorial: Understanding changing climate and environment and finding solutions. Journal of Hydroinformatics, 2014, 16, 245-247.	2.4	0
89	An optimised total expenditure approach to sewerage management. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2014, 167, 191-199.	0.7	3
90	Multi-objective rehabilitation of urban drainage systems under uncertainties. Journal of Hydroinformatics, 2014, 16, 1044-1061.	2.4	49

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91	Smart Meters, Smart Water, Smart Societies: The iWIDGET Project. Procedia Engineering, 2014, 89, 1105-1112.	1.2	31
92	Optimal Water Supply System Management by Leakage Reduction and Energy Recovery. Procedia Engineering, 2014, 89, 573-580.	1.2	11
93	Model Calibration as a Tool for Leakage Identification in WDS: A Real Case Study. Procedia Engineering, 2014, 89, 672-678.	1.2	8
94	Identification of Measurement Points for Calibration of Water Distribution Network Models. Procedia Engineering, 2014, 89, 693-701.	1.2	19
95	A Web-based Platform for Water Efficient Households. Procedia Engineering, 2014, 89, 1128-1135.	1.2	15
96	Design and Performance of District Metering Areas in Water Distribution Systems. Procedia Engineering, 2014, 89, 1136-1143.	1.2	38
97	Automated construction of evolutionary algorithm operators for the bi-objective water distribution network design problem using a genetic programming based hyper-heuristic approach. Journal of Hydroinformatics, 2014, 16, 302-318.	2.4	12
98	Adaptive locally constrained genetic algorithm for least-cost water distribution network design. Journal of Hydroinformatics, 2014, 16, 288-301.	2.4	23
99	Hybrid metaheuristics for multi-objective design of water distribution systems. Journal of Hydroinformatics, 2014, 16, 165-177.	2.4	15
100	Graph-Theoretic Approach and Sound Engineering Principles for Design of District Metered Areas. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	2.6	74
101	Assessment of the Effectiveness of a Risk-reduction Measure on Pluvial Flooding and Economic Loss in Eindhoven, the Netherlands. Procedia Engineering, 2014, 70, 1619-1628.	1.2	4
102	Artificial Intelligence Techniques for Flood Risk Management in Urban Environments. Procedia Engineering, 2014, 70, 1505-1512.	1.2	18
103	Decision Support for Optimal Design of Water Distribution Networks: A Real Options Approach. Procedia Engineering, 2014, 70, 1074-1083.	1.2	6
104	Using a Systematic, Multi-criteria Decision Support Framework to Evaluate Sustainable Drainage Designs. Procedia Engineering, 2014, 70, 343-352.	1.2	23
105	Dealing with Uncertainty in Water Distribution System Models: A Framework for Real-Time Modeling and Data Assimilation. Journal of Water Resources Planning and Management - ASCE, 2014, 140, 169-183.	2.6	95
106	Real-time Data Assimilation in Urban Rainfall-runoff Models. Procedia Engineering, 2014, 70, 843-852.	1.2	18
107	Application of Formal and Informal Bayesian Methods for Water Distribution Hydraulic Model Calibration. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	2.6	20
108	A diameter–sensitive flow entropy method for reliability consideration in water distribution system design. Water Resources Research, 2014, 50, 5597-5610.	4.2	30

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109	Evolutionary Algorithm and Expectation Maximization Strategies for Improved Detection of Pipe Bursts and Other Events in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2014, 140, 572-584.	2.6	39
110	Evolutionary algorithms and other metaheuristics in water resources: Current status, research challenges and future directions. Environmental Modelling and Software, 2014, 62, 271-299.	4.5	477
111	Identification of Leakages by Calibration of WDS Models. Procedia Engineering, 2014, 70, 660-667.	1.2	6
112	Integrated Optimal Cost and Pressure Management for Water Distribution Systems. Procedia Engineering, 2014, 70, 1659-1668.	1.2	19
113	Multi-stage Linear Programming Optimization for Pump Scheduling. Procedia Engineering, 2014, 70, 1378-1385.	1.2	36
114	Automated Detection of Pipe Bursts and Other Events in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2014, 140, 457-467.	2.6	145
115	Quick and accurate Cellular Automata sewer simulator. Journal of Hydroinformatics, 2014, 16, 1359-1374.	2.4	18
116	The influence of the existing network layout on water distribution system redesign analysis. Journal of Hydroinformatics, 2014, 16, 1375-1389.	2.4	4
117	Automatic Multi-objective Sectorization of a Water Distribution Network. Procedia Engineering, 2014, 89, 1200-1207.	1.2	34
118	Battle of Background Leakage Assessment for Water Networks (BBLAWN) at WDSA Conference 2014. Procedia Engineering, 2014, 89, 4-12.	1.2	27
119	Decision Support System for emergency scheduling of raw water supply systems with multiple sources. Frontiers of Environmental Science and Engineering, 2013, 7, 777-786.	6.0	7
120	Understanding the efficient parallelisation of cellular automata on CPU and GPGPU hardware. , 2013, , .		4
121	Comparative Analysis of System Dynamics and Object-Oriented Bayesian Networks Modelling for Water Systems Management. Water Resources Management, 2013, 27, 819-841.	3.9	26
122	A general multi-objective hyper-heuristic for water distribution network design with discolouration risk. Journal of Hydroinformatics, 2013, 15, 700-716.	2.4	21
123	Pipe smoothing genetic algorithm for least cost water distribution network design. , 2013, , .		0
124	Using high performance techniques to accelerate demand-driven hydraulic solvers. Journal of Hydroinformatics, 2013, 15, 38-54.	2.4	15
125	Geostatistical techniques for approximate location of pipe burst events in water distribution systems. Journal of Hydroinformatics, 2013, 15, 634-651.	2.4	40
126	Formulation of a fast 2D urban pluvial flood model using a cellular automata approach. Journal of Hydroinformatics, 2013, 15, 676-686.	2.4	95

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127	Integrated modelling of a coupled water-agricultural system using system dynamics. Journal of Water and Climate Change, 2013, 4, 209-231.	2.9	23
128	A multi-objective optimisation model for sewer rehabilitation considering critical risk of failure. Water Science and Technology, 2012, 66, 2410-2417.	2.5	26
129	Computationally Efficient Modeling Method for Large Water Network Analysis. Journal of Hydraulic Engineering, 2012, 138, 313-326.	1.5	32
130	Robust optimization methodologies for water supply systems design. Drinking Water Engineering and Science, 2012, 5, 31-37.	0.8	14
131	Multi-Objective Cuckoo Search for the Optimal Design of Water Distribution Systems. , 2012, , .		8
132	Multi-layered coarse grid modelling in 2D urban flood simulations. Journal of Hydrology, 2012, 470-471, 1-11.	5.4	48
133	Battle of the Water Calibration Networks. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 523-532.	2.6	134
134	Integrated System Dynamics Modelling for water scarcity assessment: Case study of the Kairouan region. Science of the Total Environment, 2012, 440, 290-306.	8.0	93
135	An evolutionary Bayesian belief network methodology for participatory decision making under uncertainty: An application to groundwater management. Integrated Environmental Assessment and Management, 2012, 8, 456-461.	2.9	16
136	A coarse-grid approach to representing building blockage effects in 2D urban flood modelling. Journal of Hydrology, 2012, 426-427, 1-16.	5.4	59
137	Heuristic Modelling of the Water Resources Management in the Guadalquivir River Basin, Southern Spain. Water Resources Management, 2012, 26, 185-209.	3.9	20
138	Calibration of Water Distribution System Using Topological Analysis. , 2011, , .		4
139	Calibration of a 1D/1D urban flood model using 1D/2D model results in the absence of field data. Water Science and Technology, 2011, 64, 1016-1024.	2.5	59
140	Deficient-Network Simulation Considering Pressure-Dependent Demand. , 2011, , .		8
141	CWSNET: An Object-Oriented Toolkit for Water Distribution System Simulations. , 2011, , .		12
142	A Real-Time Intervention Management Model for Reducing Impacts Due to Pipe Isolation in Water Distribution Systems. , 2011, , .		5
143	A DSS generator for multiobjective optimisation of spreadsheet-based models. Environmental Modelling and Software, 2011, 26, 551-561.	4.5	101
144	Burst Detection and Location in Water Distribution Systems. , 2011, , .		15

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145	Analysis of Simplification Errors for Water Distribution Models. , 2011, , .		1
146	Real-Time Leak Detection in Water Distribution Systems. , 2011, , .		18
147	Closure to â€œOptimum Design and Management of Pressurized Branched Irrigation Networksâ€•by Raziyeh Farmani, Ricardo Abadia, and Dragan Savic. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 159-160.	1.0	1
148	Risk-Based Sensor Placement for Contaminant Detection in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2010, 136, 629-636.	2.6	74
149	Prediction of weekly nitrate-N fluctuations in a small agricultural watershed in Illinois. Journal of Hydroinformatics, 2010, 12, 251-261.	2.4	30
150	Comparison of three data-driven techniques in modelling the evapotranspiration process. Journal of Hydroinformatics, 2010, 12, 365-379.	2.4	36
151	An analysis of the combined consequences of pluvial and fluvial flooding. Water Science and Technology, 2010, 62, 1491-1498.	2.5	54
152	SLOTS: Effective Algorithm for Sensor Placement in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2010, 136, 620-628.	2.6	42
153	A review of methods for leakage management in pipe networks. Urban Water Journal, 2010, 7, 25-45.	2.1	532
154	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.	2.6	490
155	Optimization of sensor locations for contaminant detection in water distribution networks. , 2010, , .		2
156	Identification of segments and optimal isolation valve system design in water distribution networks. Urban Water Journal, 2010, 7, 1-15.	2.1	121
157	Asset deterioration analysis using multi-utility data and multi-objective data mining. Journal of Hydroinformatics, 2009, 11, 211-224.	2.4	46
158	Resilient Behavior of Cement-Fiber Treated Reclaimed Asphalt Pavement Aggregates. , 2009, , .		8
159	A Rapid Optimization Prototyping Tool for Spreadsheet-Based Models. , 2009, , .		5
160	Operational Perspective of the Impact of Failures in Water Distribution Systems. , 2009, , .		5
161	Optimal Design of Isolation Valve System for Water Distribution Networks. , 2009, , .		1
162	Conceptual Risk-Based Decision Support Methodology for Improved Near Real-Time Response to WDS Failures. , 2009, , .		4

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163	An effective multi-objective approach to prioritisation of sewer pipe inspection. Water Science and Technology, 2009, 60, 841-850.	2.5	28
164	Influence of Swell Pressure from Expansive Fill on Retaining Wall Stability. , 2009, , .		6
165	Effects of Redesign of Water Systems for Security and Water Quality Factors. , 2009, , .		57
166	Efficient multi-objective optimal design of water distribution networks on a budget of simulations using hybrid algorithms. Environmental Modelling and Software, 2009, 24, 202-213.	4.5	87
167	An evolutionary Bayesian belief network methodology for optimum management of groundwater contamination. Environmental Modelling and Software, 2009, 24, 303-310.	4.5	80
168	Stochastic sampling design using a multi-objective genetic algorithm and adaptive neural networks. Environmental Modelling and Software, 2009, 24, 530-541.	4.5	123
169	Lessons Learned: Field Installation of Strain Gages on High-Strength Geotextile. , 2009, , .		0
170	Project Neptune: Improved Operation of Water Distribution Networks. , 2009, , .		3
171	Geotechnical Properties of Solidified Sludge by Mixing Cement and Calcium-Bentonite. , 2009, , .		2
172	Advances in data-driven analyses and modelling using EPR-MOGA. Journal of Hydroinformatics, 2009, 11, 225-236.	2.4	176
173	Probabilistic building block identification for the optimal design and rehabilitation of water distribution systems. Journal of Hydroinformatics, 2009, 11, 89-105.	2.4	25
174	A Variable Rate Coefficient Chlorine Decay Model. Environmental Science & Technology, 2009, 43, 408-414.	10.0	33
175	Comparison of 1D/1D and 1D/2D Coupled (Sewer/Surface) Hydraulic Models for Urban Flood Simulation. Journal of Hydraulic Engineering, 2009, 135, 495-504.	1.5	246
176	Quo vadis water distribution model calibration?. Urban Water Journal, 2009, 6, 3-22.	2.1	166
177	Instrumentation of MSE Wall Containing Laterally Loaded Drilled Shafts. , 2009, , .		4
178	Analysis of Pressure Management Economics in Water Distribution Systems. , 2009, , .		7
179	Assessing pipe failure rate and mechanical reliability of water distribution networks using data-driven modeling. Journal of Hydroinformatics, 2009, 11, 1-17.	2.4	123
180	Risk-Cost Based Decision Support System for the Rehabilitation of Water Distribution Networks. , 2009, , .		1

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181	An Operative Approach to Water Distribution System Rehabilitation. , 2009, , .		0
182	Numerical Analysis of Consolidation of Soft Ground Improved by the DJM-PVD Combined Method. , 2009, , .		2
183	Detecting Topological Changes in Large Water Distribution Networks. , 2009, , .		3
184	Optimal Sensor Placement for the Efficient Contaminant Detection in Water Distribution Systems. , 2009, , .		1
185	Probabilistic Building Block Identification for the Multi-Objective Design and Rehabilitation of Water Distribution Systems. , 2009, , .		1
186	Global and Evolutionary Optimization for Water Management Problems. Water Science and Technology Library, 2009, , 231-243.	0.3	1
187	Evolutionary-based Meta-modelling: The Relevance of Using Approximate Models in Hydroinformatics. Water Science and Technology Library, 2009, , 275-290.	0.3	1
188	An investigation on stream temperature analysis based on evolutionary computing. Hydrological Processes, 2008, 22, 315-326.	2.6	24
189	Development and validation of system design principles for water reuse systems. Desalination, 2008, 218, 142-153.	8.2	19
190	Development of pipe deterioration models for water distribution systems using EPR. Journal of Hydroinformatics, 2008, 10, 113-126.	2.4	166
191	An evolutionary multiobjective strategy for the effective management of groundwater resources. Water Resources Research, 2008, 44, .	4.2	37
192	An Efficient Algorithm for Sensor Placement in Water Distribution Systems. , 2008, , .		17
193	Algorithm for Automatic Detection of Topological Changes in Water Distribution Networks. Journal of Hydraulic Engineering, 2008, 134, 435-446.	1.5	82
194	Pressure-Driven Demand and Leakage Simulation for Water Distribution Networks. Journal of Hydraulic Engineering, 2008, 134, 626-635.	1.5	306
195	Probabilistic Leak Detection in Pipe Networks Using the SCEM-UA Algorithm. , 2008, , .		15
196	The Battle of the Water Sensor Networks (BWSN): A Design Challenge for Engineers and Algorithms. Journal of Water Resources Planning and Management - ASCE, 2008, 134, 556-568.	2.6	464
197	Extended Period Simulation Analysis Considering Valve Shutdowns. Journal of Water Resources Planning and Management - ASCE, 2008, 134, 527-537.	2.6	60
198	Attribution of flood risk in urban areas. Journal of Hydroinformatics, 2008, 10, 275-288.	2.4	98

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