

D A SaviÄ

List of Publications by Year in descending order

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280
papers

13,001
citations

24978

57
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30010

103
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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. <i>Engineering</i> , 2022, 9, 35-41. | 3.2 | 11 |
| 2 | Water-food-energy nexus for transboundary cooperation in Eastern Africa. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 3567-3587. | 1.0 | 6 |
| 3 | Water quality and macrophytes in the Danube River: Artificial neural network modelling. <i>Ecological Indicators</i> , 2021, 121, 107076. | 2.6 | 12 |
| 4 | Real-time foul sewer hydraulic modelling driven by water consumption data from water distribution systems. <i>Water Research</i> , 2021, 188, 116544. | 5.3 | 16 |
| 5 | Forensic engineering analysis applied to flood control. <i>Journal of Hydrology</i> , 2021, 594, 125961. | 2.3 | 4 |
| 6 | Hydroinformatics education â€” the Water Informatics in Science and Engineering (WISE) Centre for Doctoral Training. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 2721-2738. | 1.9 | 3 |
| 7 | Water quality modeling in sewer networks: Review and future research directions. <i>Water Research</i> , 2021, 202, 117419. | 5.3 | 35 |
| 8 | Foul sewer model development using geotagged information and smart water meter data. <i>Water Research</i> , 2021, 204, 117594. | 5.3 | 5 |
| 9 | 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. | 1.1 | 18 |
| 10 | 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. | 3.9 | 40 |
| 11 | Knowledge-based multi-objective genetic algorithms for the design of water distribution networks. <i>Journal of Hydroinformatics</i> , 2020, 22, 402-422. | 1.1 | 13 |
| 12 | Efficient Leak Localization in Water Distribution Systems Using Multistage Optimal Valve Operations and Smart Demand Metering. <i>Water Resources Research</i> , 2020, 56, e2020WR028285. | 1.7 | 37 |
| 13 | Using Complex Network Analysis for Optimization of Water Distribution Networks. <i>Water Resources Research</i> , 2020, 56, e2020WR027929. | 1.7 | 53 |
| 14 | A Flexible Approach for the Reinforcement of Water Networks Using Multi-Criteria Decision Analysis. <i>Water Resources Management</i> , 2020, 34, 4469-4490. | 1.9 | 14 |
| 15 | 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, . | 1.3 | 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. <i>Water (Switzerland)</i> , 2020, 12, 2836. | 1.2 | 6 |
| 17 | Improving the Effectiveness of Multiobjective Optimization Design of Urban Drainage Systems. <i>Water Resources Research</i> , 2020, 56, e2019WR026656. | 1.7 | 16 |
| 18 | Battle of Postdisaster Response and Restoration. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, 04020067. | 1.3 | 14 |

| # | ARTICLE | IF | CITATIONS |
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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. <i>Journal of Hydroinformatics</i> , 2020, 22, 77-92. | 1.1 | 6 |
| 20 | Water Resource Systems Analysis for Water Scarcity Management: The Thames Water Case Study. <i>Water (Switzerland)</i> , 2020, 12, 1761. | 1.2 | 3 |
| 21 | Assessing the global resilience of water quality sensor placement strategies within water distribution systems. <i>Water Research</i> , 2020, 172, 115527. | 5.3 | 32 |
| 22 | Human-Derived Heuristic Enhancement of an Evolutionary Algorithm for the 2D Bin-Packing Problem. <i>Lecture Notes in Computer Science</i> , 2020, , 413-427. | 1.0 | 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. <i>Urban Water Journal</i> , 2019, 16, 21-32. | 1.0 | 8 |
| 25 | Flow regime identification for air valves failure evaluation in water pipelines using pressure data. <i>Water Research</i> , 2019, 165, 115002. | 5.3 | 14 |
| 26 | Urban Hydroinformatics: Past, Present and Future. <i>Water (Switzerland)</i> , 2019, 11, 1959. | 1.2 | 47 |
| 27 | Human-evolutionary problem solving through gamification of a bin-packing problem. , 2019, , . | | 4 |
| 28 | Battle of the Water Networks District Metered Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, 04019002. | 1.3 | 32 |
| 29 | Parameterization of NSGA-II for the Optimal Design of Water Distribution Systems. <i>Water (Switzerland)</i> , 2019, 11, 971. | 1.2 | 35 |
| 30 | Simulating Marginal and Dependence Behaviour of Water Demand Processes at Any Fine Time Scale. <i>Water (Switzerland)</i> , 2019, 11, 885. | 1.2 | 24 |
| 31 | A Dynamic Adaptive Approach for Water Distribution Network Design. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, . | 1.3 | 23 |
| 32 | 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, . | 1.3 | 62 |
| 33 | Augmented evolutionary intelligence. , 2019, , . | | 4 |
| 34 | Interactive Decomposition Multiobjective Optimization Via Progressively Learned Value Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 849-860. | 6.5 | 27 |
| 35 | Predicting culturable enterococci exceedances at Escambron Beach, San Juan, Puerto Rico using satellite remote sensing and artificial neural networks. <i>Journal of Water and Health</i> , 2019, 17, 137-148. | 1.1 | 11 |
| 36 | Wastewater System Ventilation â€œ A Friend or Adversary?. <i>Green Energy and Technology</i> , 2019, , 712-716. | 0.4 | 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, . | 1.3 | 9 |
| 38 | Rapid assessment of surface-water flood-management options in urban catchments. Urban Water Journal, 2018, 15, 210-217. | 1.0 | 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 "New Pressure-Driven Approach for Modeling Water Distribution Networks" by Herman A. Mahmoud, Dragan SaviÄž, and Zoran Kapelan. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 07018005. | 1.3 | 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. | 4.6 | 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. | 3.3 | 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, . | 1.3 | 15 |
| 44 | A Serious Game Designed to Explore and Understand the Complexities of Flood Mitigation Options in Urban "Rural Catchments. Water (Switzerland), 2018, 10, 1885. | 1.2 | 28 |
| 45 | Crowdsourcing Methods for Data Collection in Geophysics: State of the Art, Issues, and Future Directions. Reviews of Geophysics, 2018, 56, 698-740. | 9.0 | 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. | 0.9 | 42 |
| 47 | Comparison of Multiobjective Optimization Methods Applied to Urban Drainage Adaptation Problems. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 04018070. | 1.3 | 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. | 2.1 | 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. | 1.2 | 69 |
| 50 | Lost in Optimisation of Water Distribution Systems? A Literature Review of System Design. Water (Switzerland), 2018, 10, 307. | 1.2 | 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. | 1.9 | 150 |
| 52 | Editorial: Current water challenges require holistic and global solutions. Journal of Hydroinformatics, 2018, 20, 533-534. | 1.1 | 4 |
| 53 | Operation of Multiple Pumped-Water Sources with No Storage. Journal of Water Resources Planning and Management - ASCE, 2018, 144, . | 1.3 | 13 |
| 54 | GALAXY: A new hybrid MOEA for the optimal design of Water Distribution Systems. Water Resources Research, 2017, 53, 1997-2015. | 1.7 | 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. | 1.9 | 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. | 1.9 | 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. | 1.2 | 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. | 1.7 | 20 |
| 61 | Rehabilitating pressurized irrigation networks for an increased energy efficiency. Agricultural Water Management, 2016, 164, 212-222. | 2.4 | 9 |
| 62 | Parameterizing residential water demand pulse models through smart meter readings. Environmental Modelling and Software, 2016, 80, 33-40. | 1.9 | 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, . | 1.3 | 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. | 3.9 | 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. | 1.0 | 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 researchâ€™practice interface in the water sector. Proceedings of Institution of Civil Engineers: Management, Procurement and Law, 2015, 168, 8-11. | 0.4 | 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. | 5.3 | 44 |

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| 73 | Development of a Leakage Target Setting Approach for South Korea Based on Economic Level of Leakage. <i>Procedia Engineering</i> , 2015, 119, 120-129. | 1.2 | 10 |
| 74 | A Multicriteria Approach for a Phased Design of Water Distribution Networks. <i>Procedia Engineering</i> , 2015, 119, 1231-1240. | 1.2 | 8 |
| 75 | Forecasting Domestic Water Consumption from Smart Meter Readings Using Statistical Methods and Artificial Neural Networks. <i>Procedia Engineering</i> , 2015, 119, 1419-1428. | 1.2 | 41 |
| 76 | 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, . | 1.3 | 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. <i>Environmental Modelling and Software</i> , 2015, 69, 414-424. | 1.9 | 22 |
| 78 | Using real options for an eco-friendly design of water distribution systems. <i>Journal of Hydroinformatics</i> , 2015, 17, 20-35. | 1.1 | 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. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015, 141, . | 1.3 | 157 |
| 80 | Assessing Financial Loss due to Pluvial Flooding and the Efficacy of Risk-Reduction Measures in the Residential Property Sector. <i>Water Resources Management</i> , 2015, 29, 161-179. | 1.9 | 13 |
| 81 | Sequence Analysis-based Hyper-heuristics for Water Distribution Network Optimisation. <i>Procedia Engineering</i> , 2015, 119, 1269-1277. | 1.2 | 10 |
| 82 | 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. | 2.7 | 27 |
| 83 | Using Real Options in the Optimal Design of Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015, 141, . | 1.3 | 27 |
| 84 | 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. | 1.9 | 66 |
| 85 | Multi-objective optimization of water distribution systems based on a real options approach. <i>Environmental Modelling and Software</i> , 2015, 63, 1-13. | 1.9 | 75 |
| 86 | 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, 279-288. | 3.9 | 35 |
| 87 | Dealing with Uncertainty through Real Options for the Multi-objective Design of Water Distribution Networks. <i>Procedia Engineering</i> , 2014, 89, 856-863. | 1.2 | 7 |
| 88 | Editorial: Understanding changing climate and environment and finding solutions. <i>Journal of Hydroinformatics</i> , 2014, 16, 245-247. | 1.1 | 0 |
| 89 | An optimised total expenditure approach to sewerage management. <i>Proceedings of the Institution of Civil Engineers: Municipal Engineer</i> , 2014, 167, 191-199. | 0.4 | 3 |
| 90 | Multi-objective rehabilitation of urban drainage systems under uncertainties. <i>Journal of Hydroinformatics</i> , 2014, 16, 1044-1061. | 1.1 | 49 |

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| 91 | Smart Meters, Smart Water, Smart Societies: The iWIDGET Project. <i>Procedia Engineering</i> , 2014, 89, 1105-1112. | 1.2 | 31 |
| 92 | Optimal Water Supply System Management by Leakage Reduction and Energy Recovery. <i>Procedia Engineering</i> , 2014, 89, 573-580. | 1.2 | 11 |
| 93 | Model Calibration as a Tool for Leakage Identification in WDS: A Real Case Study. <i>Procedia Engineering</i> , 2014, 89, 672-678. | 1.2 | 8 |
| 94 | Identification of Measurement Points for Calibration of Water Distribution Network Models. <i>Procedia Engineering</i> , 2014, 89, 693-701. | 1.2 | 19 |
| 95 | A Web-based Platform for Water Efficient Households. <i>Procedia Engineering</i> , 2014, 89, 1128-1135. | 1.2 | 15 |
| 96 | Design and Performance of District Metering Areas in Water Distribution Systems. <i>Procedia Engineering</i> , 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. <i>Journal of Hydroinformatics</i> , 2014, 16, 302-318. | 1.1 | 12 |
| 98 | Adaptive locally constrained genetic algorithm for least-cost water distribution network design. <i>Journal of Hydroinformatics</i> , 2014, 16, 288-301. | 1.1 | 23 |
| 99 | Hybrid metaheuristics for multi-objective design of water distribution systems. <i>Journal of Hydroinformatics</i> , 2014, 16, 165-177. | 1.1 | 15 |
| 100 | Graph-Theoretic Approach and Sound Engineering Principles for Design of District Metered Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, . | 1.3 | 74 |
| 101 | Assessment of the Effectiveness of a Risk-reduction Measure on Pluvial Flooding and Economic Loss in Eindhoven, the Netherlands. <i>Procedia Engineering</i> , 2014, 70, 1619-1628. | 1.2 | 4 |
| 102 | Artificial Intelligence Techniques for Flood Risk Management in Urban Environments. <i>Procedia Engineering</i> , 2014, 70, 1505-1512. | 1.2 | 18 |
| 103 | Decision Support for Optimal Design of Water Distribution Networks: A Real Options Approach. <i>Procedia Engineering</i> , 2014, 70, 1074-1083. | 1.2 | 6 |
| 104 | Using a Systematic, Multi-criteria Decision Support Framework to Evaluate Sustainable Drainage Designs. <i>Procedia Engineering</i> , 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. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 169-183. | 1.3 | 95 |
| 106 | Real-time Data Assimilation in Urban Rainfall-runoff Models. <i>Procedia Engineering</i> , 2014, 70, 843-852. | 1.2 | 18 |
| 107 | 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, . | 1.3 | 20 |
| 108 | A diameter-sensitive flow entropy method for reliability consideration in water distribution system design. <i>Water Resources Research</i> , 2014, 50, 5597-5610. | 1.7 | 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. | 1.3 | 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. | 1.9 | 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. | 1.3 | 145 |
| 115 | Quick and accurate Cellular Automata sewer simulator. Journal of Hydroinformatics, 2014, 16, 1359-1374. | 1.1 | 18 |
| 116 | The influence of the existing network layout on water distribution system redesign analysis. Journal of Hydroinformatics, 2014, 16, 1375-1389. | 1.1 | 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. | 3.3 | 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. | 1.9 | 26 |
| 122 | A general multi-objective hyper-heuristic for water distribution network design with discolouration risk. Journal of Hydroinformatics, 2013, 15, 700-716. | 1.1 | 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. | 1.1 | 15 |
| 125 | Geostatistical techniques for approximate location of pipe burst events in water distribution systems. Journal of Hydroinformatics, 2013, 15, 634-651. | 1.1 | 40 |
| 126 | Formulation of a fast 2D urban pluvial flood model using a cellular automata approach. Journal of Hydroinformatics, 2013, 15, 676-686. | 1.1 | 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. | 1.2 | 23 |
| 128 | A multi-objective optimisation model for sewer rehabilitation considering critical risk of failure. Water Science and Technology, 2012, 66, 2410-2417. | 1.2 | 26 |
| 129 | Computationally Efficient Modeling Method for Large Water Network Analysis. Journal of Hydraulic Engineering, 2012, 138, 313-326. | 0.7 | 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. | 2.3 | 48 |
| 133 | Battle of the Water Calibration Networks. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 523-532. | 1.3 | 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. | 3.9 | 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. | 1.6 | 16 |
| 136 | A coarse-grid approach to representing building blockage effects in 2D urban flood modelling. Journal of Hydrology, 2012, 426-427, 1-16. | 2.3 | 59 |
| 137 | Heuristic Modelling of the Water Resources Management in the Guadalquivir River Basin, Southern Spain. Water Resources Management, 2012, 26, 185-209. | 1.9 | 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. | 1.2 | 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. | 1.9 | 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 "Optimum Design and Management of Pressurized Branched Irrigation Networks" by Raziye Farmani, Ricardo Abadia, and Dragan Savic. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 159-160. | 0.6 | 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. | 1.3 | 74 |
| 149 | Prediction of weekly nitrate-N fluctuations in a small agricultural watershed in Illinois. Journal of Hydroinformatics, 2010, 12, 251-261. | 1.1 | 30 |
| 150 | Comparison of three data-driven techniques in modelling the evapotranspiration process. Journal of Hydroinformatics, 2010, 12, 365-379. | 1.1 | 36 |
| 151 | An analysis of the combined consequences of pluvial and fluvial flooding. Water Science and Technology, 2010, 62, 1491-1498. | 1.2 | 54 |
| 152 | SLOTS: Effective Algorithm for Sensor Placement in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2010, 136, 620-628. | 1.3 | 42 |
| 153 | A review of methods for leakage management in pipe networks. Urban Water Journal, 2010, 7, 25-45. | 1.0 | 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. | 1.3 | 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. | 1.0 | 121 |
| 157 | Asset deterioration analysis using multi-utility data and multi-objective data mining. Journal of Hydroinformatics, 2009, 11, 211-224. | 1.1 | 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. <i>Water Science and Technology</i> , 2009, 60, 841-850. | 1.2 | 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. <i>Environmental Modelling and Software</i> , 2009, 24, 202-213. | 1.9 | 87 |
| 167 | An evolutionary Bayesian belief network methodology for optimum management of groundwater contamination. <i>Environmental Modelling and Software</i> , 2009, 24, 303-310. | 1.9 | 80 |
| 168 | Stochastic sampling design using a multi-objective genetic algorithm and adaptive neural networks. <i>Environmental Modelling and Software</i> , 2009, 24, 530-541. | 1.9 | 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 |
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