

Feifei Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,960
citations

201385

27
h-index

253896

43
g-index

50
all docs

50
docs citations

50
times ranked

1699
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Estimating Rainfall Intensity Using an Image-Based Deep Learning Model. <i>Engineering</i> , 2023, 21, 162-174. | 3.2 | 11 |
| 2 | Minimum transport-driven algorithm for water distribution network partitioning. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2022, 71, 120-138. | 0.6 | 3 |
| 3 | Achieving Robust and Transferable Performance for Conservation-Based Models of Dynamical Physical Systems. <i>Water Resources Research</i> , 2022, 58, . | 1.7 | 8 |
| 4 | Enhancing the effectiveness of urban drainage system design with an improved ACO-based method. <i>Journal of Hydro-Environment Research</i> , 2021, 38, 96-105. | 1.0 | 10 |
| 5 | 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 |
| 6 | An efficient dynamic route optimization for urban flooding evacuation based on Cellular Automata. <i>Computers, Environment and Urban Systems</i> , 2021, 87, 101622. | 3.3 | 20 |
| 7 | Pressure-balanced Saint-Venant equations for improved asymptotic modelling of pipe flow. <i>Journal of Hydro-Environment Research</i> , 2021, 37, 46-46. | 1.0 | 1 |
| 8 | Water quality modeling in sewer networks: Review and future research directions. <i>Water Research</i> , 2021, 202, 117419. | 5.3 | 35 |
| 9 | Foul sewer model development using geotagged information and smart water meter data. <i>Water Research</i> , 2021, 204, 117594. | 5.3 | 5 |
| 10 | Improving the Resilience of Postdisaster Water Distribution Systems Using Dynamic Optimization Framework. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, . | 1.3 | 27 |
| 11 | 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 |
| 12 | State-of-the-art review on the transient flow modeling and utilization for urban water supply system (UWSS) management. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2020, 69, 858-893. | 0.6 | 104 |
| 13 | Improving the Effectiveness of Multiobjective Optimization Design of Urban Drainage Systems. <i>Water Resources Research</i> , 2020, 56, e2019WR026656. | 1.7 | 16 |
| 14 | Battle of Postdisaster Response and Restoration. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, 04020067. | 1.3 | 14 |
| 15 | Impacts of Nodal Demand Allocations on Transient-Based Skeletonization of Water Distribution Systems. <i>Journal of Hydraulic Engineering</i> , 2020, 146, . | 0.7 | 4 |
| 16 | Hourly and Daily Urban Water Demand Predictions Using a Long Short-Term Memory Based Model. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, . | 1.3 | 49 |
| 17 | On the Robustness of Conceptual Rainfall-Runoff Models to Calibration and Evaluation Data Set Splits Selection: A Large Sample Investigation. <i>Water Resources Research</i> , 2020, 56, e2019WR026752. | 1.7 | 29 |
| 18 | Multi-Objective Optimal Design of Water Distribution Networks Accounting for Transient Impacts. <i>Water Resources Management</i> , 2020, 34, 1517-1534. | 1.9 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Assessing the global resilience of water quality sensor placement strategies within water distribution systems. <i>Water Research</i> , 2020, 172, 115527. | 5.3 | 32 |
| 20 | Do Existing Multiobjective Evolutionary Algorithms Use a Sufficient Number of Operators? An Empirical Investigation for Water Distribution Design Problems. <i>Water Resources Research</i> , 2020, 56, e2019WR026031. | 1.7 | 6 |
| 21 | Reaction of fleroxacin with chlorine and chlorine dioxide in drinking water distribution systems: Kinetics, transformation mechanisms and toxicity evaluations. <i>Chemical Engineering Journal</i> , 2019, 374, 1191-1203. | 6.6 | 30 |
| 22 | Skeletonizing Pipes in Series within Urban Water Distribution Systems Using a Transient-Based Method. <i>Journal of Hydraulic Engineering</i> , 2019, 145, . | 0.7 | 6 |
| 23 | On Lack of Robustness in Hydrological Model Development Due to Absence of Guidelines for Selecting Calibration and Evaluation Data: Demonstration for Data-Driven Models. <i>Water Resources Research</i> , 2018, 54, 1013-1030. | 1.7 | 71 |
| 24 | Pilot investigation on formation of 2,4,6-trichloroanisole via microbial O-methylation of 2,4,6-trichlorophenol in drinking water distribution system: An insight into microbial mechanism. <i>Water Research</i> , 2018, 131, 11-21. | 5.3 | 44 |
| 25 | Crowdsourcing Methods for Data Collection in Geophysics: State of the Art, Issues, and Future Directions. <i>Reviews of Geophysics</i> , 2018, 56, 698-740. | 9.0 | 90 |
| 26 | A Comprehensive Framework to Evaluate Hydraulic and Water Quality Impacts of Pipe Breaks on Water Distribution Systems. <i>Water Resources Research</i> , 2018, 54, 8174-8195. | 1.7 | 37 |
| 27 | Investigating Effectiveness of Sensor Placement Strategies in Contamination Detection within Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, 06018003. | 1.3 | 18 |
| 28 | Better Understanding of the Capacity of Pressure Sensor Systems to Detect Pipe Burst within Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, . | 1.3 | 30 |
| 29 | An efficient multi-objective optimization method for water quality sensor placement within water distribution systems considering contamination probability variations. <i>Water Research</i> , 2018, 143, 165-175. | 5.3 | 54 |
| 30 | Efficient Numerical Approach for Simultaneous Calibration of Pipe Roughness Coefficients and Nodal Demands for Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, . | 1.3 | 36 |
| 31 | Improved Understanding on the Searching Behavior of NSGA-II Operators Using Run-Time Measure Metrics with Application to Water Distribution System Design Problems. <i>Water Resources Management</i> , 2017, 31, 1121-1138. | 1.9 | 25 |
| 32 | Robust optimization of water infrastructure planning under deep uncertainty using metamodels. <i>Environmental Modelling and Software</i> , 2017, 93, 92-105. | 1.9 | 78 |
| 33 | An Adaptive Convergence-Trajectory Controlled Ant Colony Optimization Algorithm With Application to Water Distribution System Design Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2017, 21, 773-791. | 7.5 | 114 |
| 34 | Comparison of the Searching Behavior of NSGA-II, SAMODE, and Borg MOEAs Applied to Water Distribution System Design Problems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, . | 1.3 | 74 |
| 35 | A hybrid cuckoo-harmony search algorithm for optimal design of water distribution systems. <i>Journal of Hydroinformatics</i> , 2016, 18, 544-563. | 1.1 | 34 |
| 36 | Citizens arrest river pollution in China. <i>Nature</i> , 2016, 535, 231-231. | 13.7 | 2 |

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|----|---|-----|-----------|
| 37 | Evaluating regional climate models for simulating sub-daily rainfall extremes. <i>Climate Dynamics</i> , 2016, 47, 1613-1628. | 1.7 | 41 |
| 38 | Efficient joint probability analysis of flood risk. <i>Journal of Hydroinformatics</i> , 2015, 17, 584-597. | 1.1 | 22 |
| 39 | Assessing the performance of the independence method in modeling spatial extreme rainfall. <i>Water Resources Research</i> , 2015, 51, 7744-7758. | 1.7 | 21 |
| 40 | Opposing local precipitation extremes. <i>Nature Climate Change</i> , 2015, 5, 389-390. | 8.1 | 62 |
| 41 | Comparing the Real-Time Searching Behavior of Four Differential-Evolution Variants Applied to Water-Distribution-Network Design Optimization. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015, 141, 04015016. | 1.3 | 9 |
| 42 | Noncrossover Dither Creeping Mutation-Based Genetic Algorithm for Pipe Network Optimization. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 553-557. | 1.3 | 14 |
| 43 | Modeling dependence between extreme rainfall and storm surge to estimate coastal flooding risk. <i>Water Resources Research</i> , 2014, 50, 2050-2071. | 1.7 | 127 |
| 44 | An efficient hybrid approach for multiobjective optimization of water distribution systems. <i>Water Resources Research</i> , 2014, 50, 3650-3671. | 1.7 | 37 |
| 45 | Coupled Binary Linear Programmingâ€“Differential Evolution Algorithm Approach for Water Distribution System Optimization. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 585-597. | 1.3 | 27 |
| 46 | Quantifying the dependence between extreme rainfall and storm surge in the coastal zone. <i>Journal of Hydrology</i> , 2013, 505, 172-187. | 2.3 | 154 |
| 47 | A graph decompositionâ€“based approach for water distribution network optimization. <i>Water Resources Research</i> , 2013, 49, 2093-2109. | 1.7 | 37 |
| 48 | Self-Adaptive Differential Evolution Algorithm Applied to Water Distribution System Optimization. <i>Journal of Computing in Civil Engineering</i> , 2013, 27, 148-158. | 2.5 | 73 |
| 49 | A decomposition and multistage optimization approach applied to the optimization of water distribution systems with multiple supply sources. <i>Water Resources Research</i> , 2013, 49, 380-399. | 1.7 | 36 |
| 50 | A combined NLPâ€“differential evolution algorithm approach for the optimization of looped water distribution systems. <i>Water Resources Research</i> , 2011, 47, . | 1.7 | 103 |