

Donghwi Jung

List of Publications by Year in descending order

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docs citations

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times ranked

465
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Water Distribution System Burst Detection Using a Nonlinear Kalman Filter. Journal of Water Resources Planning and Management - ASCE, 2015, 141, . | 1.3 | 76 |
| 2 | Robustness-Based Design of Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2014, 140, . | 1.3 | 61 |
| 3 | Improving the rapidity of responses to pipe burst in water distribution systems: a comparison of statistical process control methods. Journal of Hydroinformatics, 2015, 17, 307-328. | 1.1 | 55 |
| 4 | Seismic Hazard Assessment Model for Urban Water Supply Networks. Journal of Water Resources Planning and Management - ASCE, 2016, 142, . | 1.3 | 48 |
| 5 | Optimal meter placement for pipe burst detection in water distribution systems. Journal of Hydroinformatics, 2016, 18, 741-756. | 1.1 | 29 |
| 6 | Enhanced Artificial Neural Networks Estimating Water Quality Constraints for the Optimal Water Distribution Systems Design. Journal of Water Resources Planning and Management - ASCE, 2016, 142, . | 1.3 | 27 |
| 7 | Linear Model for Estimating Water Distribution System Reliability. Journal of Water Resources Planning and Management - ASCE, 2016, 142, . | 1.3 | 26 |
| 8 | Flood Reduction in Urban Drainage Systems: Cooperative Operation of Centralized and Decentralized Reservoirs. Water (Switzerland), 2016, 8, 469. | 1.2 | 24 |
| 9 | Water Distribution System Design to Minimize Costs and Maximize Topological and Hydraulic Reliability. Journal of Water Resources Planning and Management - ASCE, 2018, 144, . | 1.3 | 23 |
| 10 | Real-time pump scheduling for water transmission systems: Case study. KSCE Journal of Civil Engineering, 2015, 19, 1987-1993. | 0.9 | 18 |
| 11 | Multiobjective Automatic Parameter Calibration of a Hydrological Model. Water (Switzerland), 2017, 9, 187. | 1.2 | 18 |
| 12 | Optimal Node Grouping for Water Distribution System Demand Estimation. Water (Switzerland), 2016, 8, 160. | 1.2 | 17 |
| 13 | Improving Water Distribution Systems Robustness through Optimal Valve Installation. Water (Switzerland), 2018, 10, 1223. | 1.2 | 17 |
| 14 | Hybrid Statistical Process Control Method for Water Distribution Pipe Burst Detection. Journal of Water Resources Planning and Management - ASCE, 2019, 145, . | 1.3 | 17 |
| 15 | Seismic-Reliability-Based Optimal Layout of a Water Distribution Network. Water (Switzerland), 2016, 8, 50. | 1.2 | 16 |
| 16 | Development of a Multiple Linear Regression Model for Meteorological Drought Index Estimation Based on Landsat Satellite Imagery. Water (Switzerland), 2020, 12, 3393. | 1.2 | 14 |
| 17 | Robustness-based optimal pump design and scheduling for water distribution systems. Journal of Hydroinformatics, 2016, 18, 500-513. | 1.1 | 12 |
| 18 | Modular interdependency analysis for water distribution systems. Water Research, 2021, 201, 117320. | 5.3 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Using Mechanical Reliability in Multiobjective Optimal Meter Placement for Pipe Burst Detection. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 04018031. | 1.3 | 10 |
| 20 | Comparison of Imputation Methods for End-User Demands in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2021, 147, . | 1.3 | 10 |
| 21 | Robust Meter Network for Water Distribution Pipe Burst Detection. Water (Switzerland), 2017, 9, 820. | 1.2 | 9 |
| 22 | State Estimation Network Design for Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 06017006. | 1.3 | 9 |
| 23 | Robustness and Water Distribution System: State-of-the-Art Review. Water (Switzerland), 2019, 11, 974. | 1.2 | 9 |
| 24 | Development of a Multiobjective Automatic Parameter-Calibration Framework for Urban Drainage Systems. Sustainability, 2022, 14, 8350. | 1.6 | 8 |
| 25 | Robust Urban Drainage System: Development of a Novel Multiscenario-Based Design Approach. Journal of Water Resources Planning and Management - ASCE, 2019, 145, 04019027. | 1.3 | 7 |
| 26 | Optimal Layout and Pipe Sizing of Urban Drainage Networks to Improve Robustness and Rapidity. Journal of Water Resources Planning and Management - ASCE, 2021, 147, . | 1.3 | 6 |
| 27 | Performance comparison of metaheuristic algorithms using a modified Gaussian fitness landscape generator. Soft Computing, 2020, 24, 7383-7393. | 2.1 | 5 |
| 28 | Development of a Fuzzy-Function-Based Performance Indicator for Water Distribution System's Emergency Condition. Water (Switzerland), 2020, 12, 2296. | 1.2 | 5 |
| 29 | Development of a Multiscenario Planning Approach for Urban Drainage Systems. Applied Sciences (Switzerland), 2020, 10, 1834. | 1.3 | 5 |
| 30 | Performance Comparison of Metaheuristic Optimization Algorithms Using Water Distribution System Design Benchmarks. Advances in Intelligent Systems and Computing, 2019, , 97-104. | 0.5 | 4 |
| 31 | An Evolutionary Algorithm Based Hyper-heuristic for the Job-Shop Scheduling Problem with No-Wait Constraint. Advances in Intelligent Systems and Computing, 2019, , 249-257. | 0.5 | 4 |
| 32 | Development of Failure Cause's Impact's Duration (CID) Plots for Water Supply and Distribution System Management. Water (Switzerland), 2019, 11, 1719. | 1.2 | 4 |
| 33 | Comparison of the robustness-based optimal designs of water distribution systems in three different formulations. Journal of Hydroinformatics, 2013, 15, 1425-1436. | 1.1 | 3 |
| 34 | An Evolutionary Algorithm Based Hyper-heuristic for the Set Packing Problem. Advances in Intelligent Systems and Computing, 2019, , 259-268. | 0.5 | 3 |
| 35 | Shortest-Path-Based Two-Phase Design Model for Hydraulically Efficient Water Distribution Network: Preparing for Extreme Changes in Water Availability. IEEE Access, 2021, 9, 53358-53369. | 2.6 | 3 |
| 36 | Accounting for Phasing of Isolation Valve Installation in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2021, 147, . | 1.3 | 3 |

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|----|--|-----|-----------|
| 37 | Engineering benchmark generation and performance measurement of evolutionary algorithms. , 2017, , | | 2 |
| 38 | Generation of Benchmark Problems for Optimal Design of Water Distribution Systems. Water (Switzerland), 2019, 11, 1637. | 1.2 | 2 |
| 39 | Optimization Difficulty Indicator and Testing Framework for Water Distribution Network Complexity. Water (Switzerland), 2019, 11, 2132. | 1.2 | 2 |
| 40 | Copycat Harmony Search: Considering Poor Music Playerâ€™s Followership Toward Good Player. Advances in Intelligent Systems and Computing, 2019, , 113-118. | 0.5 | 2 |
| 41 | Sensitivity Analysis on Migration Parameters of Parallel Harmony Search. Advances in Intelligent Systems and Computing, 2017, , 3-7. | 0.5 | 2 |
| 42 | Urban Drainage System Design Minimizing System Cost Constrained to Failure Depth and Duration Under Flooding Events. Advances in Intelligent Systems and Computing, 2019, , 153-158. | 0.5 | 2 |
| 43 | Strategy to Enhance Emergency Interconnected Operation of Water Distribution System. Sustainability, 2022, 14, 5804. | 1.6 | 2 |
| 44 | Emerging Issues and Methodologies for Resilient and Robust Water Distribution Systems. Water (Switzerland), 2020, 12, 769. | 1.2 | 1 |
| 45 | Multiobjective Parameter Calibration of a Hydrological Model Using Harmony Search Algorithm. Advances in Intelligent Systems and Computing, 2020, , 76-81. | 0.5 | 0 |
| 46 | Development of Cross-Domain Artificial Neural Network to Predict High-Temporal Resolution Pressure Data. Sustainability, 2020, 12, 3832. | 1.6 | 0 |
| 47 | Development of Inter-ethnic Harmony Search Algorithm Based on Inter-ethnic Reconciliation. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 1-9. | 0.5 | 0 |
| 48 | Identifying the Drought Impact Factors and Developing Drought Scenarios Using the DSD Model. Water Resources Management, 2021, 35, 4809. | 1.9 | 0 |
| 49 | Freestyle Rap Harmony Search (FRHS) for Engineering Problem Optimization. Advances in Intelligent Systems and Computing, 2021, , 21-31. | 0.5 | 0 |