Donghwi Jung

List of Publications by Year
in descending order

49 papers	**631** citations	567144 **15** h-index
49 all docs	**49** docs citations	**49** times ranked

610775 **24** g-index
465 citing authors

#	Article	IF	Citations
1	Strategy to Enhance Emergency Interconnected Operation of Water Distribution System. Sustainability, 2022, 14, 5804.	1.6	2
2	Development of a Multiobjective Automatic Parameter-Calibration Framework for Urban Drainage Systems. Sustainability, 2022, 14, 8350.	1.6	8
3	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
4	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
5	Accounting for Phasing of Isolation Valve Installation in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	3
6	Modular interdependency analysis for water distribution systems. Water Research, 2021, 201, 117320.	5.3	11
7	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
8	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
9	Identifying the Drought Impact Factors and Developing Drought Scenarios Using the DSD Model. Water Resources Management, 2021, 35, 4809.	1.9	0
10	Freestyle Rap Harmony Search (FRHS) for Engineering Problem Optimization. Advances in Intelligent Systems and Computing, 2021, , 21-31.	0.5	0
11	Multiobjective Parameter Calibration of a Hydrological Model Using Harmony Search Algorithm. Advances in Intelligent Systems and Computing, 2020, , 76-81.	0.5	0
12	Performance comparison of metaheuristic algorithms using a modified Gaussian fitness landscape generator. Soft Computing, 2020, 24, 7383-7393.	2.1	5
13	Development of a Fuzzy-Function-Based Performance Indicator for Water Distribution System's Emergency Condition. Water (Switzerland), 2020, 12, 2296.	1.2	5
14	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
15	Development of Cross-Domain Artificial Neural Network to Predict High-Temporal Resolution Pressure Data. Sustainability, 2020, 12, 3832.	1.6	0
16	Development of a Multiscenario Planning Approach for Urban Drainage Systems. Applied Sciences (Switzerland), 2020, 10, 1834.	1.3	5
17	Emerging Issues and Methodologies for Resilient and Robust Water Distribution Systems. Water (Switzerland), 2020, 12, 769.	1.2	1
18	Performance Comparison of Metaheuristic Optimization Algorithms Using Water Distribution System Design Benchmarks. Advances in Intelligent Systems and Computing, 2019, , 97-104.	0.5	4

#	ARTICLE	IF	CITATIONS
19	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
20	Generation of Benchmark Problems for Optimal Design of Water Distribution Systems. Water (Switzerland), 2019, 11, 1637.	1.2	2
21	Hybrid Statistical Process Control Method for Water Distribution Pipe Burst Detection. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	1.3	17
22	Development of Failure Causeâ€"Impactâ€"Duration (CID) Plots for Water Supply and Distribution System Management. Water (Switzerland), 2019, 11, 1719.	1.2	4
23	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
24	Robustness and Water Distribution System: State-of-the-Art Review. Water (Switzerland), 2019, 11, 974.	1.2	9
25	Optimization Difficulty Indicator and Testing Framework for Water Distribution Network Complexity. Water (Switzerland), 2019, 11, 2132.	1.2	2
26	An Evolutionary Algorithm Based Hyper-heuristic for the Set Packing Problem. Advances in Intelligent Systems and Computing, 2019, , 259-268.	0.5	3
27	Copycat Harmony Search: Considering Poor Music Playerâ€™s Followship Toward Good Player. Advances in Intelligent Systems and Computing, 2019, , 113-118.	0.5	2
28	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
29	State Estimation Network Design for Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 06017006.	1.3	9
30	Improving Water Distribution Systems Robustness through Optimal Valve Installation. Water (Switzerland), 2018, 10, 1223.	1.2	17
31	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
32	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
33	Engineering benchmark generation and performance measurement of evolutionary algorithms. , 2017, , .		2
34	Multiobjective Automatic Parameter Calibration of a Hydrological Model. Water (Switzerland), 2017, 9, 187.	1.2	18
35	Robust Meter Network for Water Distribution Pipe Burst Detection. Water (Switzerland), 2017, 9, 820.	1.2	9
36	Sensitivity Analysis on Migration Parameters of Parallel Harmony Search. Advances in Intelligent Systems and Computing, 2017, , 3-7.	0.5	2

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37	Flood Reduction in Urban Drainage Systems: Cooperative Operation of Centralized and Decentralized Reservoirs. Water (Switzerland), 2016, 8, 469.	1.2	24
38	Seismic-Reliability-Based Optimal Layout of a Water Distribution Network. Water (Switzerland), 2016, 8, 50.	1.2	16
39	Optimal Node Grouping for Water Distribution System Demand Estimation. Water (Switzerland), 2016, 8, 160.	1.2	17
40	Linear Model for Estimating Water Distribution System Reliability. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	1.3	26
41	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
42	Robustness-based optimal pump design and scheduling for water distribution systems. Journal of Hydroinformatics, 2016, 18, 500-513.	1.1	12
43	Optimal meter placement for pipe burst detection in water distribution systems. Journal of Hydroinformatics, 2016, 18, 741-756.	1.1	29
44	Seismic Hazard Assessment Model for Urban Water Supply Networks. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	1.3	48
45	Real-time pump scheduling for water transmission systems: Case study. KSCE Journal of Civil Engineering, 2015, 19, 1987-1993.	0.9	18
46	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
47	Water Distribution System Burst Detection Using a Nonlinear Kalman Filter. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	1.3	76
48	Robustness-Based Design of Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	1.3	61
49	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