

Gnanamanikam Mahinthakumar

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

368
citations

840776

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1058476

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14
all docs

14
docs citations

14
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Battle of the Water Networks II. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	2.6	92
2	Using a digital twin to explore water infrastructure impacts during the COVID-19 pandemic. Sustainable Cities and Society, 2022, 77, 103520.	10.4	46
3	Enhanced Simulation-Optimization Approach Using Surrogate Modeling for Solving Inverse Problems. Environmental Forensics, 2012, 13, 348-363.	2.6	38
4	Identification of dominant source of errors in developing streamflow and groundwater projections under near-term climate change. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7652-7672.	3.3	33
5	Synthesis of public water supply use in the United States: Spatio-temporal patterns and socio-economic controls. Earth's Future, 2017, 5, 771-788.	6.3	33
6	Successive Linear Approximation Methods for Leak Detection in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	2.6	24
7	A Sequential Pressure-Based Algorithm for Data-Driven Leakage Identification and Model-Based Localization in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	23
8	Identifying contaminant sources for water distribution systems using a hybrid method. Civil Engineering and Environmental Systems, 2012, 29, 123-136.	0.9	20
9	Parallel Evolutionary Algorithm for Designing Water Distribution Networks to Minimize Background Leakage. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	17
10	Contaminant source characterization in water distribution systems using binary signals. Journal of Hydroinformatics, 2012, 14, 585-602.	2.4	14
11	Modeling chloramine decay in full-scale drinking water supply systems. Water Environment Research, 2019, 91, 441-454.	2.7	11
12	A Monitoring Network Design Procedure for Three-Dimensional (3D) Groundwater Contaminant Source Identification. Environmental Forensics, 2014, 15, 78-96.	2.6	8
13	Assessing the restoration time of surface water and groundwater systems under groundwater pumping. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2741-2759.	4.0	8
14	Reducing error in water distribution network simulations with field measurements. Journal of Applied Water Engineering and Research, 2020, 8, 15-27.	1.8	1