

# Gnanamanikam Mahinthakumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7110120/publications.pdf>

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14  
papers

368  
citations

840776

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1058476

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docs citations

14  
times ranked

393  
citing authors

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