

# Hassan Tavakol-Davani

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

541  
citations

932766

10  
h-index

887659

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Impact Development Practices to Mitigate Climate Change Effects on Urban Stormwater Runoff: Case Study of New York City. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, .	0.6	153
2	How does climate change affect combined sewer overflow in a system benefiting from rainwater harvesting systems?. <i>Sustainable Cities and Society</i> , 2016, 27, 430-438.	5.1	57
3	Improved statistical downscaling of daily precipitation using <scp>SDSM</scp> platform and dataâ€mining methods. <i>International Journal of Climatology</i> , 2013, 33, 2561-2578.	1.5	54
4	Performance and Cost-Based Comparison of Green and Gray Infrastructure to Control Combined Sewer Overflows. <i>Journal of Sustainable Water in the Built Environment</i> , 2016, 2, .	0.9	51
5	Performance assessment of different data mining methods in statistical downscaling of daily precipitation. <i>Journal of Hydrology</i> , 2013, 492, 1-14.	2.3	50
6	Flood Detection in Urban Areas Using Satellite Imagery and Machine Learning. <i>Water (Switzerland)</i> , 2022, 14, 1140.	1.2	35
7	Compound Inundation Impacts of Coastal Climate Change: Sea-Level Rise, Groundwater Rise, and Coastal Precipitation. <i>Water (Switzerland)</i> , 2020, 12, 2776.	1.2	33
8	Green infrastructure optimization to achieve pre-development conditions of a semiarid urban catchment. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1157-1171.	1.2	17
9	Evaluation of infilling and replenishment of river sand mining pits. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	17
10	Combining Hydrologic Analysis and Life Cycle Assessment Approaches to Evaluate Sustainability of Water Infrastructure. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, .	0.6	13
11	Introducing demand to supply ratio as a new metric for understanding life cycle greenhouse gas (GHG) emissions from rainwater harvesting systems. <i>Journal of Cleaner Production</i> , 2017, 163, 274-284.	4.6	10
12	Hydrodynamics and Free-Flow Characteristics of Piano Key Weirs with Different Plan Shapes. <i>Water (Switzerland)</i> , 2021, 13, 2108.	1.2	10
13	Combining Hydrologic Analysis and Life Cycle Assessment Approaches to Evaluate Sustainability of Water Infrastructure: Uncertainty Analysis. <i>Water (Switzerland)</i> , 2019, 11, 2592.	1.2	9
14	An Environmental and Societal Analysis of the US Electrical Energy Industry Based on the Waterâ€Energy Nexus. <i>Energies</i> , 2021, 14, 2633.	1.6	7
15	An Uncertainty-Based Regional Comparative Analysis on the Performance of Different Bias Correction Methods in Statistical Downscaling of Precipitation. <i>Water Resources Management</i> , 2021, 35, 2503-2518.	1.9	6
16	Climate Change Impacts on Urban Runoff in a New York City Watershed. , 2014, , .		5
17	Comparing the Effects of Different Daily and Sub-Daily Downscaling Approaches on the Response of Urban Stormwater Collection Systems. <i>Water Resources Management</i> , 2021, 35, 505-533.	1.9	4
18	Discussion on â€œLaboratory investigation of the discharge coefficient of flow in arced labyrinth weirs with triangular plansâ€by Monjezi et al. (2018). <i>Flow Measurement and Instrumentation</i> , 2020, 72, 101709.	1.0	3

#	ARTICLE	IF	CITATIONS
19	A Comparative Study of 2-Dimensional Hydraulic Modeling Software, Case Study: Sorrento Valley, San Diego, California. Journal of Water Management Modeling, 0, , .	0.0	3
20	LID Implementation to Mitigate Climate Change Impacts on Urban Runoff. , 2014, , .		2
21	A Watershed Scale Life Cycle Assessment Framework for Stormwater Management. , 2018, , .		1
22	Evolutionary Optimization of Green Infrastructure by High Throughput Computing. , 2019, , .		1