

Ioannis Tsoukalas

List of Publications by Citations

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

350
citations

12
h-index

18
g-index

32
ext. papers

441
ext. citations

3.7
avg, IF

4.09
L-index

#	Paper	IF	Citations
25	Multiobjective optimisation on a budget: Exploring surrogate modelling for robust multi-reservoir rules generation under hydrological uncertainty. <i>Environmental Modelling and Software</i> , 2015 , 69, 396-413	5.2	44
24	Sewer-mining: A water reuse option supporting circular economy, public service provision and entrepreneurship. <i>Journal of Environmental Management</i> , 2018 , 216, 285-298	7.9	43
23	An Operational Method for Flood Directive Implementation in Ungauged Urban Areas. <i>Hydrology</i> , 2018 , 5, 24	2.8	40
22	Surrogate-enhanced evolutionary annealing simplex algorithm for effective and efficient optimization of water resources problems on a budget. <i>Environmental Modelling and Software</i> , 2016 , 77, 122-142	5.2	30
21	Parametric Modelling of Potential Evapotranspiration: A Global Survey. <i>Water (Switzerland)</i> , 2017 , 9, 795	3	27
20	Simulation of Stochastic Processes Exhibiting Any-Range Dependence and Arbitrary Marginal Distributions. <i>Water Resources Research</i> , 2018 , 54, 9484-9513	5.4	24
19	Stochastic Periodic Autoregressive to Anything (SPARTA): Modeling and Simulation of Cyclostationary Processes With Arbitrary Marginal Distributions. <i>Water Resources Research</i> , 2018 , 54, 161-185	5.4	23
18	Simulating Marginal and Dependence Behaviour of Water Demand Processes at Any Fine Time Scale. <i>Water (Switzerland)</i> , 2019 , 11, 885	3	18
17	A Cautionary Note on the Reproduction of Dependencies through Linear Stochastic Models with Non-Gaussian White Noise. <i>Water (Switzerland)</i> , 2018 , 10, 771	3	16
16	Building a puzzle to solve a riddle: A multi-scale disaggregation approach for multivariate stochastic processes with any marginal distribution and correlation structure. <i>Journal of Hydrology</i> , 2019 , 575, 354-380	6	14
15	The Nile Water-Food-Energy Nexus under Uncertainty: Impacts of the Grand Ethiopian Renaissance Dam. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020 , 146, 04020085	2.8	14
14	A Surrogate Based Optimization Approach for the Development of Uncertainty-Aware Reservoir Operational Rules: the Case of Nestos Hydrosystem. <i>Water Resources Management</i> , 2015 , 29, 4719-4734	3.7	12
13	Simulation of Non-Gaussian Correlated Random Variables, Stochastic Processes and Random Fields: Introducing the anySim R-Package for Environmental Applications and Beyond. <i>Water (Switzerland)</i> , 2020 , 12, 1645	3	10
12	Generalized storage-reliability-yield framework for hydroelectric reservoirs. <i>Hydrological Sciences Journal</i> , 2021 , 66, 580-599	3.5	6
11	A Monte-Carlo-Based Method for the Optimal Placement and Operation Scheduling of Sewer Mining Units in Urban Wastewater Networks. <i>Water (Switzerland)</i> , 2018 , 10, 200	3	5
10	Developing a Stress-Testing Platform for Cyber-Physical Water Infrastructure 2018 ,		5
9	A Flood Inundation Modeling Approach for Urban and Rural Areas in Lake and Large-Scale River Basins. <i>Water (Switzerland)</i> , 2021 , 13, 1264	3	5

8	Identification of potential sewer mining locations: a Monte-Carlo based approach. <i>Water Science and Technology</i> , 2017 , 76, 3351-3357	2.2	3
7	Turning black into green: ecosystem services from treated wastewater ⁹¹ , 198-205		3
6	Stress-Testing Framework for Urban Water Systems: A Source to Tap Approach for Stochastic Resilience Assessment. <i>Water (Switzerland)</i> , 2022 , 14, 154	3	2
5	The tales that the distribution tails of non-Gaussian autocorrelated processes tell: Efficient methods for the estimation of the k-length block-maxima distribution. <i>Hydrological Sciences Journal</i> ,	3.5	1
4	Day-ahead energy production in small hydropower plants: uncertainty-aware forecasts through effective coupling of knowledge and data. <i>Advances in Geosciences</i> ,56, 155-162		1
3	Revisiting Flood Hazard Assessment Practices under a Hybrid Stochastic Simulation Framework. <i>Water (Switzerland)</i> , 2022 , 14, 457	3	1
2	A reverse engineering approach across small hydropower plants: a hidden treasure of hydrological data?. <i>Hydrological Sciences Journal</i> ,	3.5	1
1	Generic Framework for Downscaling Statistical Quantities at Fine Time-Scales and Its Perspectives towards Cost-Effective Enrichment of Water Demand Records. <i>Water (Switzerland)</i> , 2021 , 13, 3429	3	1