

# Mohsen Nasseri

## List of Publications by Citations

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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.

46  
papers

657  
citations

13  
h-index

24  
g-index

50  
ext. papers

831  
ext. citations

3.9  
avg, IF

4.47  
L-index

#	Paper	IF	Citations
46	Optimized scenario for rainfall forecasting using genetic algorithm coupled with artificial neural network. <i>Expert Systems With Applications</i> , <b>2008</b> , 35, 1415-1421	7.8	128
45	Forecasting monthly urban water demand using Extended Kalman Filter and Genetic Programming. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 7387-7395	7.8	69
44	A new approach to flood susceptibility assessment in data-scarce and ungauged regions based on GIS-based hybrid multi criteria decision-making method. <i>Journal of Hydrology</i> , <b>2019</b> , 572, 17-31	6	64
43	Improved statistical downscaling of daily precipitation using SDSM platform and data-mining methods. <i>International Journal of Climatology</i> , <b>2013</b> , 33, 2561-2578	3.5	43
42	Performance assessment of different data mining methods in statistical downscaling of daily precipitation. <i>Journal of Hydrology</i> , <b>2013</b> , 492, 1-14	6	38
41	Cluster-based ordinary kriging of piezometric head in West Texas/New Mexico □Testing of hypothesis. <i>Journal of Hydrology</i> , <b>2008</b> , 351, 360-367	6	25
40	The use of a genetic algorithm-based search strategy in geostatistics: application to a set of anisotropic piezometric head data. <i>Computers and Geosciences</i> , <b>2012</b> , 41, 136-146	4.5	22
39	Evaluation of spatial and spatiotemporal estimation methods in simulation of precipitation variability patterns. <i>Theoretical and Applied Climatology</i> , <b>2013</b> , 113, 429-444	3	21
38	Monthly water balance modeling: Probabilistic, possibilistic and hybrid methods for model combination and ensemble simulation. <i>Journal of Hydrology</i> , <b>2014</b> , 511, 675-691	6	18
37	Application of simple clustering on space-time mapping of mean monthly rainfall pattern. <i>International Journal of Climatology</i> , <b>2011</b> , 31, 732-741	3.5	17
36	An Analytic Solution of Water Transport in Unsaturated Porous Media. <i>Journal of Porous Media</i> , <b>2008</b> , 11, 591-601	2.9	15
35	Effects of sample size of ground motions on seismic fragility analysis of offshore jacket platforms using Genetic Algorithm. <i>Ocean Engineering</i> , <b>2019</b> , 189, 106326	3.9	14
34	Uncertainty assessment of hydrological models with fuzzy extension principle: Evaluation of a new arithmetic operator. <i>Water Resources Research</i> , <b>2014</b> , 50, 1095-1111	5.4	14
33	Identification of long-term annual pattern of meteorological drought based on spatiotemporal methods: evaluation of different geostatistical approaches. <i>Natural Hazards</i> , <b>2015</b> , 76, 515-541	3	13
32	Assessing vulnerability to climate change for total organic carbon in a system of drinking water supply. <i>Sustainable Cities and Society</i> , <b>2020</b> , 53, 101904	10.1	12
31	Parametric uncertainty assessment of hydrological models: coupling UNEEC-P and a fuzzy general regression neural network. <i>Hydrological Sciences Journal</i> , <b>2019</b> , 64, 1080-1094	3.5	11
30	Uncertainty assessment of monthly water balance models based on Incremental Modified Fuzzy Extension Principle method. <i>Journal of Hydroinformatics</i> , <b>2013</b> , 15, 1340-1360	2.6	11

29	New Analytical Solution to Water Content Simulation in Porous Media. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 328-335	1.1	11
28	Challenge of rainfall network design considering spatial versus spatiotemporal variations. <i>Journal of Hydrology</i> , <b>2019</b> , 574, 990-1002	6	10
27	Improving Bayesian maximum entropy and ordinary Kriging methods for estimating precipitations in a large watershed: a new cluster-based approach. <i>Canadian Journal of Earth Sciences</i> , <b>2014</b> , 51, 43-55	1.5	10
26	Exploring spatiotemporal meteorological correlations for basin scale meteorological drought forecasting using data mining methods. <i>Arabian Journal of Geosciences</i> , <b>2017</b> , 10, 1	1.8	9
25	Water quality assessment of the most important dam (Latyan dam) in Tehran, Iran. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 29227-29239	5.1	8
24	Spatial rainfall prediction using optimal features selection approaches <b>2015</b> , 46, 343-355		8
23	A comparison between direct and indirect frameworks to evaluate impacts of climate change on streamflows: case study of Karkheh River basin in Iran. <i>Journal of Water and Climate Change</i> , <b>2017</b> , 8, 652-674	2.3	6
22	Revisited rainfall network design: evaluation of heuristic versus entropy theory methods. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	6
21	Time domain analysis of dam-reservoir interaction. <i>Engineering Computations</i> , <b>2010</b> , 27, 280-294	1.4	5
20	Comparison Between Active Learning Method and Support Vector Machine for Runoff Modeling. <i>Journal of Hydrology and Hydromechanics</i> , <b>2012</b> , 60, 16-32	2.1	5
19	Do direct and inverse uncertainty assessment methods present the same results?. <i>Journal of Hydroinformatics</i> , <b>2020</b> , 22, 842-855	2.6	4
18	Backcasting long-term climate data: evaluation of hypothesis. <i>Theoretical and Applied Climatology</i> , <b>2018</b> , 132, 717-726	3	4
17	Improvement of multiple linear regression method for statistical downscaling of monthly precipitation. <i>International Journal of Environmental Science and Technology</i> , <b>2018</b> , 15, 1897-1912	3.3	4
16	Applications of Variational Iteration Method in Applied Hydrology. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2009</b> , 14, 984-991	1.8	4
15	GRACEfully Closing the Water Balance: A Data-Driven Probabilistic Approach Applied to River Basins in Iran. <i>Water Resources Research</i> , <b>2021</b> , 57, e2020WR029071	5.4	4
14	Uncertainty-based rainfall network design using a fuzzy spatial interpolation method. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 106, 107296	7.5	4
13	Localized linear regression methods for estimating monthly precipitation grids using elevation, rain gauge, and TRMM data. <i>Theoretical and Applied Climatology</i> , <b>2020</b> , 142, 623-641	3	3
12	Comparing the Effects of Different Daily and Sub-Daily Downscaling Approaches on the Response of Urban Stormwater Collection Systems. <i>Water Resources Management</i> , <b>2021</b> , 35, 505-533	3.7	3

11	Performance evaluation of various evapotranspiration modeling scenarios based on METRIC method and climatic indexes. <i>Environmental Monitoring and Assessment</i> , <b>2021</b> , 193, 111	3.1	3
10	Energy-Based Approaches in Estimating Actual Evapotranspiration Focusing on Land Surface Temperature: A Review of Methods, Concepts, and Challenges. <i>Energies</i> , <b>2022</b> , 15, 1264	3.1	2
9	An Uncertainty-Based Regional Comparative Analysis on the Performance of Different Bias Correction Methods in Statistical Downscaling of Precipitation. <i>Water Resources Management</i> , <b>2021</b> , 35, 2503-2518	3.7	2
8	Spatial Scale Resolution of Prognostic Hydrological Models: Simulation Performance and Application in Climate Change Impact Assessment. <i>Water Resources Management</i> , <b>2019</b> , 33, 189-205	3.7	2
7	Improving spatial estimation of hydrologic attributes via optimized moving search strategies. <i>Arabian Journal of Geosciences</i> , <b>2021</b> , 14, 1	1.8	1
6	System dynamics approaches to assess the impacts of climate change on surface water quality and quantity: case study of Karoun River, Iran. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 31327-31339 <sup>1</sup>	5.1	1
5	Nested Augmentation of Rainfall Monitoring Network: Proposing a Hybrid Implementation of Block Kriging and Entropy Theory. <i>Water Resources Management</i> , <b>2021</b> , 35, 4665	3.7	1
4	Stacking machine learning models versus a locally weighted linear model to generate high-resolution monthly precipitation over a topographically complex area. <i>Atmospheric Research</i> , <b>2022</b> , 272, 106159	5.4	1
3	Predicting failure pressure of the corroded offshore pipelines using an efficient finite element based algorithm and machine learning techniques. <i>Ocean Engineering</i> , <b>2022</b> , 254, 111382	3.9	0
2	Assessing GHG mitigation goals of INDCs (NDCs) considering socio-economic and environmental indicators of the parties. <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>2021</b> , 26, 1	3.9	
1	Prediction of scour pattern around hydraulic structures using geostatistical methods. <i>Arabian Journal of Geosciences</i> , <b>2019</b> , 12, 1	1.8	