Mohsen Nasseri

List of Publications by Year
in descending order

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47	1,020	516215 16	454577 30
papers	citations	h-index	g-index

50	50	50	982
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimized scenario for rainfall forecasting using genetic algorithm coupled with artificial neural network. Expert Systems With Applications, 2008, 35, 1415-1421.	4.4	171
2	A new approach to flood susceptibility assessment in data-scarce and ungauged regions based on GIS-based hybrid multi criteria decision-making method. Journal of Hydrology, 2019, 572, 17-31.	2.3	112
3	Forecasting monthly urban water demand using Extended Kalman Filter and Genetic Programming. Expert Systems With Applications, 2011, 38, 7387-7395.	4.4	86
4	Improved statistical downscaling of daily precipitation using <scp>SDSM</scp> platform and dataâ€mining methods. International Journal of Climatology, 2013, 33, 2561-2578.	1.5	54
5	Performance assessment of different data mining methods in statistical downscaling of daily precipitation. Journal of Hydrology, 2013, 492, 1-14.	2.3	50
6	Cluster-based ordinary kriging of piezometric head in West Texas/New Mexico â€“ Testing of hypothesis. Journal of Hydrology, 2008, 351, 360-367.	2.3	29
7	Evaluation of spatial and spatiotemporal estimation methods in simulation of precipitation variability patterns. Theoretical and Applied Climatology, 2013, 113, 429-444.	1.3	29
8	Effects of sample size of ground motions on seismic fragility analysis of offshore jacket platforms using Genetic Algorithm. Ocean Engineering, 2019, 189, 106326.	1.9	27
9	Stacking machine learning models versus a locally weighted linear model to generate high-resolution monthly precipitation over a topographically complex area. Atmospheric Research, 2022, 272, 106159.	1.8	24
10	Monthly water balance modeling: Probabilistic, possibilistic and hybrid methods for model combination and ensemble simulation. Journal of Hydrology, 2014, 511, 675-691.	2.3	23
11	The use of a genetic algorithm-based search strategy in geostatistics: application to a set of anisotropic piezometric head data. Computers and Geosciences, 2012, 41, 136-146.	2.0	22
12	Application of simple clustering on spaceâ€time mapping of mean monthly rainfall pattern. International Journal of Climatology, 2011, 31, 732-741.	1.5	21
13	Uncertainty assessment of hydrological models with fuzzy extension principle: Evaluation of a new arithmetic operator. Water Resources Research, 2014, 50, 1095-1111.	1.7	20
14	Parametric uncertainty assessment of hydrological models: coupling UNEEC-P and a fuzzy general regression neural network. Hydrological Sciences Journal, 2019, 64, 1080-1094.	1.2	20
15	Assessing vulnerability to climate change for total organic carbon in a system of drinking water supply. Sustainable Cities and Society, 2020, 53, 101904.	5.1	19
16	Identification of long-term annual pattern of meteorological drought based on spatiotemporal methods: evaluation of different geostatistical approaches. Natural Hazards, 2015, 76, 515-541.	1.6	18
17	Challenge of rainfall network design considering spatial versus spatiotemporal variations. Journal of Hydrology, 2019, 574, 990-1002.	2.3	18
18	An Analytic Solution of Water Transport in Unsaturated Porous Media. Journal of Porous Media, 2008, 11, 591-601.	1.0	17

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19	Uncertainty assessment of monthly water balance models based on Incremental Modified Fuzzy Extension Principle method. Journal of Hydroinformatics, 2013, 15, 1340-1360.	1.1	17
20	New Analytical Solution to Water Content Simulation in Porous Media. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 328-335.	0.6	15
21	Predicting failure pressure of the corroded offshore pipelines using an efficient finite element based algorithm and machine learning techniques. Ocean Engineering, 2022, 254, 111382.	1.9	15
22	Water quality assessment of the most important dam (Latyan dam) in Tehran, Iran. Environmental Science and Pollution Research, 2018, 25, 29227-29239.	2.7	14
23	Improving Bayesian maximum entropy and ordinary Kriging methods for estimating precipitations in a large watershed: a new cluster-based approach. Canadian Journal of Earth Sciences, 2014, 51, 43-55.	0.6	13
24	Spatial rainfall prediction using optimal features selection approaches. Hydrology Research, 2015, 46, 343-355.	1.1	13
25	Exploring spatiotemporal meteorological correlations for basin scale meteorological drought forecasting using data mining methods. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	13
26	Localized linear regression methods for estimating monthly precipitation grids using elevation, rain gauge, and TRMM data. Theoretical and Applied Climatology, 2020, 142, 623-641.	1.3	13
27	GRACEfully Closing the Water Balance: A Dataâ€Driven Probabilistic Approach Applied to River Basins in Iran. Water Resources Research, 2021, 57, e2020WR029071.	1.7	13
28	Uncertainty-based rainfall network design using a fuzzy spatial interpolation method. Applied Soft Computing Journal, 2021, 106, 107296.	4.1	12
29	Energy-Based Approaches in Estimating Actual Evapotranspiration Focusing on Land Surface Temperature: A Review of Methods, Concepts, and Challenges. Energies, 2022, 15, 1264.	1.6	12
30	Improvement of multiple linear regression method for statistical downscaling of monthly precipitation. International Journal of Environmental Science and Technology, 2018, 15, 1897-1912.	1.8	10
31	Improving spatial estimation of hydrologic attributes via optimized moving search strategies. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	10
32	A spatiotemporal framework to calibrate highâ€resolution global monthly precipitation products: An application to the Urmia Lake Watershed in Iran. International Journal of Climatology, 2022, 42, 2169-2194.	1.5	10
33	Comparison Between Active Learning Method and Support Vector Machine for Runoff Modeling. Journal of Hydrology and Hydromechanics, 2012, 60, 16-32.	0.7	9
34	Do direct and inverse uncertainty assessment methods present the same results?. Journal of Hydroinformatics, 2020, 22, 842-855.	1.1	9
35	Backcasting long-term climate data: evaluation of hypothesis. Theoretical and Applied Climatology, 2018, 132, 717-726.	1.3	7
36	Revisited rainfall network design: evaluation of heuristic versus entropy theory methods. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	7

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37	A comparison between direct and indirect frameworks to evaluate impacts of climate change on streamflows: case study of Karkheh River basin in Iran. Journal of Water and Climate Change, 2017, 8, 652-674.	1.2	6
38	System dynamics approaches to assess the impacts of climate change on surface water quality and quantity: case study of Karoun River, Iran. Environmental Science and Pollution Research, 2021, 28, 31327-31339.	2.7	6
39	Performance evaluation of various evapotranspiration modeling scenarios based on METRIC method and climatic indexes. Environmental Monitoring and Assessment, 2021, 193, 111.	1.3	6
40	An Uncertainty-Based Regional Comparative Analysis on the Performance of Different Bias Correction Methods in Statistical Downscaling of Precipitation. Water Resources Management, 2021, 35, 2503-2518.	1.9	6
41	Time domain analysis of damâ€reservoir interaction. Engineering Computations, 2010, 27, 280-294.	0.7	5
42	Spatial Scale Resolution of Prognostic Hydrological Models: Simulation Performance and Application in Climate Change Impact Assessment. Water Resources Management, 2019, 33, 189-205.	1.9	5
43	Applications of Variational Iteration Method in Applied Hydrology. Journal of Hydrologic Engineering - ASCE, 2009, 14, 984-991.	0.8	4
44	Comparing the Effects of Different Daily and Sub-Daily Downscaling Approaches on the Response of Urban Stormwater Collection Systems. Water Resources Management, 2021, 35, 505-533.	1.9	4
45	Nested Augmentation of Rainfall Monitoring Network: Proposing a Hybrid Implementation of Block Kriging and Entropy Theory. Water Resources Management, 2021, 35, 4665-4680.	1.9	4
46	Assessing GHG mitigation goals of INDCs (NDCs) considering socio-economic and environmental indicators of the parties. Mitigation and Adaptation Strategies for Global Change, 2021, 26, 1.	1.0	1
47	Prediction of scour pattern around hydraulic structures using geostatistical methods. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	0