Roohollah Noori

List of Publications by Citations

53 papers	1,782 citations	23 h-index	41 g-index
62 ext. papers	2,251 ext. citations	4.8 avg, IF	5.12 L-index

#	Paper	IF	Citations
53	Assessment of input variables determination on the SVM model performance using PCA, Gamma test, and forward selection techniques for monthly stream flow prediction. *Journal of Hydrology*, **2011**, 401, 177-189	6	246
52	Evaluation of PCA and Gamma test techniques on ANN operation for weekly solid waste prediction. *Journal of Environmental Management*, **2010**, 91, 767-71	7.9	122
51	Multivariate statistical analysis of surface water quality based on correlations and variations in the data set. *Desalination*, **2010**, 260, 129-136	10.3	120
50	Uncertainty analysis of developed ANN and ANFIS models in prediction of carbon monoxide daily concentration. *Atmospheric Environment*, **2010**, 44, 476-482	5.3	108
49	Comparison of ANN and principal component analysis-multivariate linear regression models for predicting the river flow based on developed discrepancy ratio statistic. *Expert Systems With Applications*, **2010**, 37, 5856-5862	7.8	97
48	Uncertainty analysis of streamflow drought forecast using artificial neural networks and Monte-Carlo simulation. *International Journal of Climatology*, **2014**, 34, 1169-1180	3.5	94
47	A critical review on the application of the National Sanitation Foundation Water Quality Index. *Environmental Pollution*, **2019**, 244, 575-587	9.3	80
46	How Reliable Are ANN, ANFIS, and SVM Techniques for Predicting Longitudinal Dispersion Coefficient in Natural Rivers?. *Journal of Hydraulic Engineering*, **2016**, 142, 04015039	1.8	79
45	Uncertainty analysis of support vector machine for online prediction of five-day biochemical oxygen demand. *Journal of Hydrology*, **2015**, 527, 833-843	6	51
44	Predicting the Longitudinal Dispersion Coefficient Using Support Vector Machine and Adaptive Neuro-Fuzzy Inference System Techniques. *Environmental Engineering Science*, **2009**, 26, 1503-1510	2	44
43	Evaluating the main sources of groundwater pollution in the southern Tehran aquifer using principal component factor analysis. *Environmental Geochemistry and Health*, **2018**, 40, 1317-1328	4.7	36
42	Recent and future trends in sea surface temperature across the Persian Gulf and Gulf of Oman. *PLoS ONE*, **2019**, 14, e0212790	3.7	35
41	Reliable prediction of carbon monoxide using developed support vector machine. *Atmospheric Pollution Research*, **2016**, 7, 412-418	4.5	35
40	Iran's Agriculture in the Anthropocene. *Earthls Future*, **2020**, 8, e2020EF001547	7.9	33
39	Groundwater Pollution Sources Apportionment in the Ghaen Plain, Iran. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	32
38	Modified-DRASTIC, modified-SINTACS and SI methods for groundwater vulnerability assessment in the southern Tehran aquifer. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2019**, 54, 89-100	2.3	32
37	Relationship between water quality and macro-scale parameters (land use, erosion, geology, and population density) in the Siminehrood River Basin. *Science of the Total Environment*, **2018**, 639, 1588-1600	10.2	31

36	A reduced-order adaptive neuro-fuzzy inference system model as a software sensor for rapid estimation of five-day biochemical oxygen demand. *Journal of Hydrology*, **2013**, 495, 175-185	6	30
35	A reduced-order based CE-QUAL-W2 model for simulation of nitrate concentration in dam reservoirs. *Journal of Hydrology*, **2015**, 530, 645-656	6	27
34	Chemometric Analysis of Surface Water Quality Data: Case Study of the Gorganrud River Basin, Iran. *Environmental Modeling and Assessment*, **2012**, 17, 411-420	2	24
33	Anthropogenic depletion of Iran's aquifers. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	24
32	Unsustainability Syndrome: From Meteorological to Agricultural Drought in Arid and Semi-Arid Regions. *Water (Switzerland)*, **2020**, 12, 838	3	23
31	Active and online prediction of BOD5 in river systems using reduced-order support vector machine. *Environmental Earth Sciences*, **2012**, 67, 141-149	2.9	22
30	A simple mathematical model to predict sea surface temperature over the northwest Indian Ocean. *Estuarine, Coastal and Shelf Science*, **2017**, 197, 236-243	2.9	18
29	Metal contamination assessment in water column and surface sediments of a warm monomictic man-made lake: Sabalan Dam Reservoir, Iran **2020**, 51, 799-814		18
28	Temporal and depth variation of water quality due to thermal stratification in Karkheh Reservoir, Iran. *Journal of Hydrology: Regional Studies*, **2018**, 19, 279-286	3.6	18
27	Temporal metal concentration in coastal sediment at the north region of Persian Gulf. *Marine Pollution Bulletin*, **2018**, 135, 880-888	6.7	17
26	Iran's Groundwater Hydrochemistry. *Earth and Space Science*, **2021**, 8, e2021EA001793	3.1	17
25	Estimation of the Dispersion Coefficient in Natural Rivers Using a Granular Computing Model. *Journal of Hydraulic Engineering*, **2017**, 143, 04017001	1.8	15
24	Effective prediction of scour downstream of ski-jump buckets using artificial neural networks. *Water Resources*, **2014**, 41, 8-18	0.9	14
23	Alarming carcinogenic and non-carcinogenic risk of heavy metals in Sabalan dam reservoir, Northwest of Iran. *Environmental Pollutants and Bioavailability*, **2021**, 33, 278-291	2.8	14
22	Caspian Sea is eutrophying: the alarming message of satellite data. *Environmental Research Letters*, **2020**, 15, 124047	6.2	14
21	Complex dynamics of water quality mixing in a warm mono-mictic reservoir. *Science of the Total Environment*, **2021**, 777, 146097	10.2	14
20	A simple model for simulation of reservoir stratification. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2019**, 57, 561-572	1.9	14
19	Numerical modelling-based comparison of longitudinal dispersion coefficient formulas for solute transport in rivers. *Hydrological Sciences Journal*, **2019**, 64, 808-819	3.5	10

18	Hyper-Nutrient Enrichment Status in the Sabalan Lake, Iran. *Water (Switzerland)*, **2021**, 13, 2874	3	10
17	ThSSim: A novel tool for simulation of reservoir thermal stratification. *Scientific Reports*, **2019**, 9, 18524	4.9	10
16	Metal pollution assessment in surface sediments of Namak Lake, Iran. *Environmental Science and Pollution Research*, **2020**, 27, 45639-45649	5.1	8
15	A comprehensive uncertainty analysis of model-estimated longitudinal and lateral dispersion coefficients in open channels. *Journal of Hydrology*, **2021**, 603, 126850	6	8
14	Annual flood damage influenced by El Niño in the Kan River basin, Iran. *Natural Hazards and Earth System Sciences*, **2020**, 20, 2739-2751	3.9	7
13	A reduced-order model for the regeneration of surface currents in Gorgan Bay, Iran. *Journal of Hydroinformatics*, **2018**, 20, 1419-1435	2.6	7
12	An Efficient Data Driven-Based Model for Prediction of the Total Sediment Load in Rivers. *Hydrology*, **2022**, 9, 36	2.8	7
11	Evolutionary polynomial regression approach to predict longitudinal dispersion coefficient in rivers **2018**, jws2018021		6
10	Reliability of functional forms for calculation of longitudinal dispersion coefficient in rivers. *Science of the Total Environment*, **2021**, 791, 148394	10.2	6
9	PODMT3DMS-Tool: proper orthogonal decomposition linked to the MT3DMS model for nitrate simulation in aquifers. *Hydrogeology Journal*, **2020**, 28, 1125-1142	3.1	5
8	The impact of river regulation in the Tigris and Euphrates on the Arvandroud Estuary. *Progress in Physical Geography*, **2020**, 44, 948-970	3.5	5
7	Sedimentation rate determination and heavy metal pollution assessment in Zariwar Lake, Iran. *SN Applied Sciences*, **2020**, 2, 1	1.8	5
6	Granular Computing for Prediction of Scour Below Spillways. *Water Resources Management*, **2017**, 31, 313-326	3.7	3
5	Development and application of reduced-order neural network model based on proper orthogonal decomposition for BOD5 monitoring in river systems: Uncertainty analysis. *Environmental Progress and Sustainable Energy*, **2013**, 32, 344-349	2.5	3
4	A novel model for simulation of nitrate in aquifers		3
3	Uncertainty quantification of granular computing-neural network model for prediction of pollutant longitudinal dispersion coefficient in aquatic streams.. *Scientific Reports*, **2022**, 12, 4610	4.9	3
2	Experimental-numerical simulation of soluble formations in reservoirs. *Advances in Water Resources* , **2022**, 160, 104109	4.7	1
1	Reply to discussion on "A reduced-order model for the regeneration of surface currents in Gorgan Bay. Iran [Journal of Hydroinformatics 20(6), 1419–1435, https://doi.org/10.2166/hydro.2018.149]" by Georgios M. Horsch and Nikolaos Th. Fourniotis. *Journal of Hydroinformatics*, **2020**, 22, 455-456	2.6	