Roohollah Noori

List of Publications by Year
in descending order

54 papers	2,813 citations	147566 31 h-index	174990 52 g-index
62 all docs	62 docs citations	62 times ranked	2182 citing authors

#	Article	IF	Citations
1	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.	2.3	306
2	Multivariate statistical analysis of surface water quality based on correlations and variations in the data set. Desalination, 2010, 260, 129-136.	4.0	158
3	Evaluation of PCA and Gamma test techniques on ANN operation for weekly solid waste prediction. Journal of Environmental Management, 2010, 91, 767-771.	3.8	150
4	A critical review on the application of the National Sanitation Foundation Water Quality Index. Environmental Pollution, 2019, 244, 575-587.	3.7	147
5	Uncertainty analysis of developed ANN and ANFIS models in prediction of carbon monoxide daily concentration. Atmospheric Environment, 2010, 44, 476-482.	1.9	144
6	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.	4.4	132
7	Uncertainty analysis of streamflow drought forecast using artificial neural networks and Monte‑Carlo simulation. International Journal of Climatology, 2014, 34, 1169-1180.	1.5	121
8	How Reliable Are ANN, ANFIS, and SVM Techniques for Predicting Longitudinal Dispersion Coefficient in Natural Rivers?. Journal of Hydraulic Engineering, 2016, 142, .	0.7	95
9	Iran's Agriculture in the Anthropocene. Earth's Future, 2020, 8, e2020EF001547.	2.4	82
10	Anthropogenic depletion of Iran's aquifers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	82
11	Uncertainty analysis of support vector machine for online prediction of five-day biochemical oxygen demand. Journal of Hydrology, 2015, 527, 833-843.	2.3	64
12	Recent and future trends in sea surface temperature across the Persian Gulf and Gulf of Oman. PLoS ONE, 2019, 14, e0212790.	1.1	55
13	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.	0.9	55
14	Complex dynamics of water quality mixing in a warm mono-mictic reservoir. Science of the Total Environment, 2021, 777, 146097.	3.9	55
15	Predicting the Longitudinal Dispersion Coefficient Using Support Vector Machine and Adaptive Neuro-Fuzzy Inference System Techniques. Environmental Engineering Science, 2009, 26, 1503-1510.	0.8	54
16	Uncertainty quantification of granular computing-neural network model for prediction of pollutant longitudinal dispersion coefficient in aquatic streams. Scientific Reports, 2022, 12, 4610.	1.6	54
17	Reliable prediction of carbon monoxide using developed support vector machine. Atmospheric Pollution Research, 2016, 7, 412-418.	1.8	50
18	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.	1.8	50

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19	Groundwater Pollution Sources Apportionment in the Ghaen Plain, Iran. International Journal of Environmental Research and Public Health, 2018, 15, 172.	1.2	49
20	Unsustainability Syndrome—From Meteorological to Agricultural Drought in Arid and Semi-Arid Regions. Water (Switzerland), 2020, 12, 838.	1.2	46
21	Relationship between water quality and macro-scale parameters (land use, erosion, geology, and) Tj ETQq1 1 0.784314 rgBT /Overlock 1588-1600.	3.9	45
22	A non-threshold model to estimate carcinogenic risk of nitrate-nitrite in drinking water. Journal of Cleaner Production, 2022, 363, 132432.	4.6	43
23	Caspian Sea is eutrophying: the alarming message of satellite data. Environmental Research Letters, 2020, 15, 124047.	2.2	42
24	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.	2.3	40
25	Iran's Groundwater Hydrochemistry. Earth and Space Science, 2021, 8, e2021EA001793.	1.1	39
26	An Efficient Data Driven-Based Model for Prediction of the Total Sediment Load in Rivers. Hydrology, 2022, 9, 36.	1.3	38
27	Chemometric Analysis of Surface Water Quality Data: Case Study of the Gorganrud River Basin, Iran. Environmental Modeling and Assessment, 2012, 17, 411-420.	1.2	37
28	A reduced-order based CE-QUAL-W2 model for simulation of nitrate concentration in dam reservoirs. Journal of Hydrology, 2015, 530, 645-656.	2.3	35
29	Metal contamination assessment in water column and surface sediments of a warm monomictic man-made lake: Sabalan Dam Reservoir, Iran. Hydrology Research, 2020, 51, 799-814.	1.1	33
30	Alarming carcinogenic and non-carcinogenic risk of heavy metals in Sabalan dam reservoir, Northwest of Iran. Environmental Pollutants and Bioavailability, 2021, 33, 278-291.	1.3	32
31	Active and online prediction of BOD5 in river systems using reduced-order support vector machine. Environmental Earth Sciences, 2012, 67, 141-149.	1.3	31
32	Temporal and depth variation of water quality due to thermal stratification in Karkheh Reservoir, Iran. Journal of Hydrology: Regional Studies, 2018, 19, 279-286.	1.0	30
33	A simple mathematical model to predict sea surface temperature over the northwest Indian Ocean. Estuarine, Coastal and Shelf Science, 2017, 197, 236-243.	0.9	28
34	Estimation of the Dispersion Coefficient in Natural Rivers Using a Granular Computing Model. Journal of Hydraulic Engineering, 2017, 143, .	0.7	25
35	A comprehensive uncertainty analysis of model-estimated longitudinal and lateral dispersion coefficients in open channels. Journal of Hydrology, 2021, 603, 126850.	2.3	25
36	Strong Warming Rates in the Surface and Bottom Layers of a Boreal Lake: Results From Approximately Six Decades of Measurements (1964–2020). Earth and Space Science, 2022, 9, .	1.1	24

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37	Hyper-Nutrient Enrichment Status in the Sabalan Lake, Iran. Water (Switzerland), 2021, 13, 2874.	1.2	23
38	Metal pollution assessment in surface sediments of Namak Lake, Iran. Environmental Science and Pollution Research, 2020, 27, 45639-45649.	2.7	22
39	Temporal metal concentration in coastal sediment at the north region of Persian Gulf. Marine Pollution Bulletin, 2018, 135, 880-888.	2.3	20
40	A simple model for simulation of reservoir stratification. Journal of Hydraulic Research/De Recherches Hydrauliques, 2019, 57, 561-572.	0.7	20
41	ThSSim: A novel tool for simulation of reservoir thermal stratification. Scientific Reports, 2019, 9, 18524.	1.6	18
42	The impact of river regulation in the Tigris and Euphrates on the Arvandroud Estuary. Progress in Physical Geography, 2020, 44, 948-970.	1.4	17
43	Annual flood damage influenced by ElÂNiÃ±o in the Kan River basin, Iran. Natural Hazards and Earth System Sciences, 2020, 20, 2739-2751.	1.5	16
44	Effective prediction of scour downstream of ski-jump buckets using artificial neural networks. Water Resources, 2014, 41, 8-18.	0.3	14
45	Reliability of functional forms for calculation of longitudinal dispersion coefficient in rivers. Science of the Total Environment, 2021, 791, 148394.	3.9	14
46	Sedimentation rate determination and heavy metal pollution assessment in Zariwar Lake, Iran. SN Applied Sciences, 2020, 2, 1.	1.5	13
47	PODMT3DMS-Tool: proper orthogonal decomposition linked to the MT3DMS model for nitrate simulation in aquifers. Hydrogeology Journal, 2020, 28, 1125-1142.	0.9	13
48	Numerical modelling-based comparison of longitudinal dispersion coefficient formulas for solute transport in rivers. Hydrological Sciences Journal, 2019, 64, 808-819.	1.2	12
49	A reduced-order model for the regeneration of surface currents in Gorgan Bay, Iran. Journal of Hydroinformatics, 2018, 20, 1419-1435.	1.1	11
50	Evolutionary polynomial regression approach to predict longitudinal dispersion coefficient in rivers. Journal of Water Supply: Research and Technology - AQUA, 2018, , jws2018021.	0.6	8
51	Granular Computing for Prediction of Scour Below Spillways. Water Resources Management, 2017, 31, 313-326.	1.9	5
52	Development and application of reducedâ€order neural network model based on proper orthogonal decomposition for BOD$_5$ monitoring in river systems: Uncertainty analysis. Environmental Progress and Sustainable Energy, 2013, 32, 344-349.	1.3	4
53	Experimental-numerical simulation of soluble formations in reservoirs. Advances in Water Resources, 2022, 160, 104109.	1.7	4
54	Reply to discussion on â€˜A reduced-order model for the regeneration of surface currents in Gorgan Bay. Iran [Journal of Hydroinformatics 20(6), 1419â€"1435, https://doi.org/10.2166/hydro.2018.149]â€™ by Georgios M. Horsch and Nikolaos Th. Fourniotis. Journal of Hydroinformatics, 2020, 22, 455-456.	1.1	0