

# Roohollah Noori

## List of Publications by Year in Descending Order

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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.

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 | Experimental-numerical simulation of soluble formations in reservoirs. <i>Advances in Water Resources</i> , <b>2022</b> , 160, 104109   | 4.7  | 1         |
| 52 | An Efficient Data Driven-Based Model for Prediction of the Total Sediment Load in Rivers. <i>Hydrology</i> , <b>2022</b> , 9, 36  | 2.8  | 7         |
| 51 | Uncertainty quantification of granular computing-neural network model for prediction of pollutant longitudinal dispersion coefficient in aquatic streams.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4610 | 4.9  | 3         |
| 50 | Alarming carcinogenic and non-carcinogenic risk of heavy metals in Sabalan dam reservoir, Northwest of Iran. <i>Environmental Pollutants and Bioavailability</i> , <b>2021</b> , 33, 278-291                  | 2.8  | 14        |
| 49 | Hyper-Nutrient Enrichment Status in the Sabalan Lake, Iran. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 2874   | 3    | 10        |
| 48 | Anthropogenic depletion of Iran's aquifers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,   | 11.5 | 24        |
| 47 | Complex dynamics of water quality mixing in a warm mono-mictic reservoir. <i>Science of the Total Environment</i> , <b>2021</b> , 777, 146097   | 10.2 | 14        |
| 46 | Iran's Groundwater Hydrochemistry. <i>Earth and Space Science</i> , <b>2021</b> , 8, e2021EA001793  | 3.1  | 17        |
| 45 | Reliability of functional forms for calculation of longitudinal dispersion coefficient in rivers. <i>Science of the Total Environment</i> , <b>2021</b> , 791, 148394   | 10.2 | 6         |
| 44 | A comprehensive uncertainty analysis of model-estimated longitudinal and lateral dispersion coefficients in open channels. <i>Journal of Hydrology</i> , <b>2021</b> , 603, 126850                            | 6    | 8         |
| 43 | Unsustainability Syndrome From Meteorological to Agricultural Drought in Arid and Semi-Arid Regions. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 838   | 3    | 23        |
| 42 | PODMT3DMS-Tool: proper orthogonal decomposition linked to the MT3DMS model for nitrate simulation in aquifers. <i>Hydrogeology Journal</i> , <b>2020</b> , 28, 1125-1142                                      | 3.1  | 5         |
| 41 | Annual flood damage influenced by El Niño in the Kan River basin, Iran. <i>Natural Hazards and Earth System Sciences</i> , <b>2020</b> , 20, 2739-2751  | 3.9  | 7         |
| 40 | Caspian Sea is eutrophying: the alarming message of satellite data. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 124047  | 6.2  | 14        |
| 39 | Iran's Agriculture in the Anthropocene. <i>Earth's Future</i> , <b>2020</b> , 8, e2020EF001547  | 7.9  | 33        |
| 38 | The impact of river regulation in the Tigris and Euphrates on the Arvandroud Estuary. <i>Progress in Physical Geography</i> , <b>2020</b> , 44, 948-970   | 3.5  | 5         |
| 37 | Sedimentation rate determination and heavy metal pollution assessment in Zariwar Lake, Iran. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1  | 1.8  | 5         |

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| 36 | Metal contamination assessment in water column and surface sediments of a warm monomictic man-made lake: Sabalan Dam Reservoir, Iran <b>2020</b> , 51, 799-814   |      | 18 |
| 35 | Metal pollution assessment in surface sediments of Namak Lake, Iran. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 45639-45649   | 5.1  | 8  |
| 34 | 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, <a href="https://doi.org/10.2166/hydro.2018.149">https://doi.org/10.2166/hydro.2018.149</a> ] by Georgios M. Horsch and Nikolaos Th. Fourniotis. <i>Journal of Hydroinformatics</i> , <b>2020</b> , 22, 455-456 | 2.6  |    |
| 33 | Numerical modelling-based comparison of longitudinal dispersion coefficient formulas for solute transport in rivers. <i>Hydrological Sciences Journal</i> , <b>2019</b> , 64, 808-819  | 3.5  | 10 |
| 32 | Recent and future trends in sea surface temperature across the Persian Gulf and Gulf of Oman. <i>PLoS ONE</i> , <b>2019</b> , 14, e0212790   | 3.7  | 35 |
| 31 | ThSSim: A novel tool for simulation of reservoir thermal stratification. <i>Scientific Reports</i> , <b>2019</b> , 9, 18524  | 4.9  | 10 |
| 30 | Modified-DRASTIC, modified-SINTACS and SI methods for groundwater vulnerability assessment in the southern Tehran aquifer. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2019</b> , 54, 89-100   | 2.3  | 32 |
| 29 | A critical review on the application of the National Sanitation Foundation Water Quality Index. <i>Environmental Pollution</i> , <b>2019</b> , 244, 575-587  | 9.3  | 80 |
| 28 | A simple model for simulation of reservoir stratification. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2019</b> , 57, 561-572   | 1.9  | 14 |
| 27 | Evaluating the main sources of groundwater pollution in the southern Tehran aquifer using principal component factor analysis. <i>Environmental Geochemistry and Health</i> , <b>2018</b> , 40, 1317-1328  | 4.7  | 36 |
| 26 | Groundwater Pollution Sources Apportionment in the Ghaen Plain, Iran. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,   | 4.6  | 32 |
| 25 | Temporal metal concentration in coastal sediment at the north region of Persian Gulf. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 135, 880-888  | 6.7  | 17 |
| 24 | Evolutionary polynomial regression approach to predict longitudinal dispersion coefficient in rivers <b>2018</b> , jws2018021  |      | 6  |
| 23 | A reduced-order model for the regeneration of surface currents in Gorgan Bay, Iran. <i>Journal of Hydroinformatics</i> , <b>2018</b> , 20, 1419-1435   | 2.6  | 7  |
| 22 | Temporal and depth variation of water quality due to thermal stratification in Karkheh Reservoir, Iran. <i>Journal of Hydrology: Regional Studies</i> , <b>2018</b> , 19, 279-286  | 3.6  | 18 |
| 21 | Relationship between water quality and macro-scale parameters (land use, erosion, geology, and population density) in the Siminehrood River Basin. <i>Science of the Total Environment</i> , <b>2018</b> , 639, 1588-1600  | 10.2 | 31 |
| 20 | Estimation of the Dispersion Coefficient in Natural Rivers Using a Granular Computing Model. <i>Journal of Hydraulic Engineering</i> , <b>2017</b> , 143, 04017001   | 1.8  | 15 |
| 19 | A simple mathematical model to predict sea surface temperature over the northwest Indian Ocean. <i>Estuarine, Coastal and Shelf Science</i> , <b>2017</b> , 197, 236-243   | 2.9  | 18 |

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|----|---|------|-----|
| 18 | Granular Computing for Prediction of Scour Below Spillways. <i>Water Resources Management</i> , <b>2017</b> , 31, 313-326   | 3.7  | 3   |
| 17 | How Reliable Are ANN, ANFIS, and SVM Techniques for Predicting Longitudinal Dispersion Coefficient in Natural Rivers?. <i>Journal of Hydraulic Engineering</i> , <b>2016</b> , 142, 04015039  | 1.8  | 79  |
| 16 | Reliable prediction of carbon monoxide using developed support vector machine. <i>Atmospheric Pollution Research</i> , <b>2016</b> , 7, 412-418   | 4.5  | 35  |
| 15 | A reduced-order based CE-QUAL-W2 model for simulation of nitrate concentration in dam reservoirs. <i>Journal of Hydrology</i> , <b>2015</b> , 530, 645-656  | 6    | 27  |
| 14 | Uncertainty analysis of support vector machine for online prediction of five-day biochemical oxygen demand. <i>Journal of Hydrology</i> , <b>2015</b> , 527, 833-843  | 6    | 51  |
| 13 | Uncertainty analysis of streamflow drought forecast using artificial neural networks and Monte-Carlo simulation. <i>International Journal of Climatology</i> , <b>2014</b> , 34, 1169-1180  | 3.5  | 94  |
| 12 | Effective prediction of scour downstream of ski-jump buckets using artificial neural networks. <i>Water Resources</i> , <b>2014</b> , 41, 8-18  | 0.9  | 14  |
| 11 | A reduced-order adaptive neuro-fuzzy inference system model as a software sensor for rapid estimation of five-day biochemical oxygen demand. <i>Journal of Hydrology</i> , <b>2013</b> , 495, 175-185   | 6    | 30  |
| 10 | Development and application of reduced-order neural network model based on proper orthogonal decomposition for BOD5 monitoring in river systems: Uncertainty analysis. <i>Environmental Progress and Sustainable Energy</i> , <b>2013</b> , 32, 344-349 | 2.5  | 3   |
| 9  | Active and online prediction of BOD5 in river systems using reduced-order support vector machine. <i>Environmental Earth Sciences</i> , <b>2012</b> , 67, 141-149   | 2.9  | 22  |
| 8  | Chemometric Analysis of Surface Water Quality Data: Case Study of the Gorganrud River Basin, Iran. <i>Environmental Modeling and Assessment</i> , <b>2012</b> , 17, 411-420   | 2    | 24  |
| 7  | Assessment of input variables determination on the SVM model performance using PCA, Gamma test, and forward selection techniques for monthly stream flow prediction. <i>Journal of Hydrology</i> , <b>2011</b> , 401, 177-189                           | 6    | 246 |
| 6  | Comparison of ANN and principal component analysis-multivariate linear regression models for predicting the river flow based on developed discrepancy ratio statistic. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 5856-5862            | 7.8  | 97  |
| 5  | Uncertainty analysis of developed ANN and ANFIS models in prediction of carbon monoxide daily concentration. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 476-482   | 5.3  | 108 |
| 4  | Evaluation of PCA and Gamma test techniques on ANN operation for weekly solid waste prediction. <i>Journal of Environmental Management</i> , <b>2010</b> , 91, 767-71   | 7.9  | 122 |
| 3  | Multivariate statistical analysis of surface water quality based on correlations and variations in the data set. <i>Desalination</i> , <b>2010</b> , 260, 129-136   | 10.3 | 120 |
| 2  | Predicting the Longitudinal Dispersion Coefficient Using Support Vector Machine and Adaptive Neuro-Fuzzy Inference System Techniques. <i>Environmental Engineering Science</i> , <b>2009</b> , 26, 1503-1510  | 2    | 44  |
| 1  | A novel model for simulation of nitrate in aquifers   |      | 3   |

