

# Taher Rajaee

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4466573/taher-rajaee-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37  
papers

1,136  
citations

18  
h-index

33  
g-index

37  
ext. papers

1,399  
ext. citations

3.8  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
37	Daily suspended sediment concentration simulation using ANN and neuro-fuzzy models. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 4916-27	10.2	184
36	A review of the artificial intelligence methods in groundwater level modeling. <i>Journal of Hydrology</i> , <b>2019</b> , 572, 336-351	6	113
35	River Suspended Sediment Load Prediction: Application of ANN and Wavelet Conjunction Model. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2011</b> , 16, 613-627	1.8	94
34	Wavelet and ANN combination model for prediction of daily suspended sediment load in rivers. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 2917-28	10.2	91
33	Simulation of groundwater level variations using wavelet combined with neural network, linear regression and support vector machine. <i>Global and Planetary Change</i> , <b>2017</b> , 148, 181-191	4.2	81
32	Wavelet-linear genetic programming: A new approach for modeling monthly streamflow. <i>Journal of Hydrology</i> , <b>2017</b> , 549, 461-475	6	65
31	Performance of radial basis and LM-feed forward artificial neural networks for predicting daily watershed runoff. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 4633-4644	7.5	63
30	Artificial intelligence-based single and hybrid models for prediction of water quality in rivers: A review. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 200, 103978	3.8	55
29	Forecasting of chlorophyll-a concentrations in South San Francisco Bay using five different models. <i>Applied Ocean Research</i> , <b>2015</b> , 53, 208-217	3.4	34
28	Neuro-fuzzy models employing wavelet analysis for suspended sediment concentration prediction in rivers. <i>Hydrological Sciences Journal</i> , <b>2010</b> , 55, 1175-1189	3.5	33
27	Multi-criteria decision-making model for wastewater reuse application: a case study from Iran. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 13857-13864		28
26	Evaluation of wavelet performance via an ANN-based electrical conductivity prediction model. <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 366	3.1	28
25	Prioritization of Water Allocation for Adaptation to Climate Change Using Multi-Criteria Decision Making (MCDM). <i>Water Resources Management</i> , <b>2019</b> , 33, 3401-3416	3.7	27
24	A wavelet-linear genetic programming model for sodium (Na <sup>+</sup> ) concentration forecasting in rivers. <i>Journal of Hydrology</i> , <b>2016</b> , 537, 398-407	6	27
23	Wavelet and Neuro-fuzzy Conjunction Approach for Suspended Sediment Prediction. <i>Clean - Soil, Air, Water</i> , <b>2010</b> , 38, 275-286	1.6	26
22	Evaluation of wavelet-GEP and wavelet-ANN hybrid models for prediction of total nitrogen concentration in coastal marine waters. <i>Arabian Journal of Geosciences</i> , <b>2016</b> , 9, 1	1.8	21
21	Prediction of dissolved oxygen in River Calder by noise elimination time series using wavelet transform. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , <b>2016</b> , 28, 689-706	2	19

20	Assessment of Water Resources Development Projects under Conditions of Climate Change Using Efficiency Indexes (EIs). <i>Water Resources Management</i> , <b>2017</b> , 31, 3723-3744	3.7	18
19	Modeling of Dissolved Oxygen Concentration and Its Hysteresis Behavior in Rivers Using Wavelet Transform-Based Hybrid Models. <i>Clean - Soil, Air, Water</i> , <b>2017</b> , 45,	1.6	17
18	Hybrid SWMM and particle swarm optimization model for urban runoff water quality control by using green infrastructures (LID-BMPs). <i>Urban Forestry and Urban Greening</i> , <b>2021</b> , 60, 127032	5.4	16
17	Estimating the aeration coefficient and air demand in bottom outlet conduits of dams using GEP and decision tree methods. <i>Flow Measurement and Instrumentation</i> , <b>2017</b> , 54, 9-19	2.2	15
16	Selenium transport and transformation modelling in soil columns and ground water contamination prediction. <i>Hydrological Processes</i> , <b>2008</b> , 22, 2475-2483	3.3	14
15	Two decades on the artificial intelligence models advancement for modeling river sediment concentration: State-of-the-art. <i>Journal of Hydrology</i> , <b>2020</b> , 588, 125011	6	12
14	Utilization of WGEP and WDT Models by Wavelet Denoising to Predict Water Quality Parameters in Rivers. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2018</b> , 23, 04018054	1.8	11
13	Improved Water Quality Prediction with Hybrid Wavelet-Genetic Programming Model and Shannon Entropy. <i>Natural Resources Research</i> , <b>2020</b> , 29, 3819-3840	4.9	10
12	A New Approach to Predict Daily pH in Rivers Based on the $\alpha$ -Trous Redundant Wavelet Transform Algorithm. <i>Water, Air, and Soil Pollution</i> , <b>2018</b> , 229, 1	2.6	9
11	Semivariance analysis and transformation entropy for optimal redesigning of nutrients monitoring network in San Francisco bay. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 129, 689-694	6.7	7
10	Discrete entropy theory for optimal redesigning of salinity monitoring network in San Francisco bay. <i>Water Science and Technology: Water Supply</i> , <b>2017</b> , 17, 606-612	1.4	5
9	Flow forecasting models using hydrologic and hydrometric data. <i>Water Management</i> , <b>2017</b> , 170, 150-162		3
8	An investigation of the possible scenarios for the optimal locating of quality sensors in the water distribution networks with uncertain contamination. <i>Journal of Water and Health</i> , <b>2020</b> , 18, 704-721	2.2	3
7	A multi-objective optimization method based on NSGA-III for water quality sensor placement with the aim of reducing potential of important nodes contamination. <i>Water Science and Technology: Water Supply</i> ,	1.4	3
6	Applying Climate Adaptation Strategies for Improvement of Management Indexes of a River Reservoir Irrigation System <i>Irrigation and Drainage</i> , <b>2019</b> , 68, 420-432	1.1	2
5	Comment on "Performance of ANFIS versus MLP-NN dissolved oxygen prediction models in water quality monitoring A. Najah & A. El-Shafie & O. A. Karim & Amr H. El-Shafie. <i>Environ Sci Pollut Res</i> (2014) 21:1658-1670". <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 938-40	5.1	2
4	Using Artificial Intelligent to Model Predict the Biological Resilience With an Emphasis on Population of cyanobacteria in Jajrood River in The Eastern Tehran, Iran. <i>Journal of Environmental Health Science &amp; Engineering</i> , 1	2.9	0
3	Comment on "Artificial neural network modelling of biological oxygen demand in rivers at the national level with input selection based on Monte Carlo simulations A. Ijji & D. Antanasijevic & A. Peric & Gruji & M. Risti & V. Pocajt. <i>Environ Sci Pollut Res</i> (2014) 22: 4230-4241". <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 18913-1	5.1	

- 2 Discussion of Modeling and Prediction of Hourly Ambient Ozone (O<sub>3</sub>) and Oxides of Nitrogen (NO<sub>x</sub>) Concentrations Using Artificial Neural Network and Decision Tree Algorithms for an Urban Intersection in India by Chandrra Sekar, C. S. P. Ojha, B. R. Gurjar, and Manish Kumar Goyal. *Journal of Hazardous, Toxic, and Radioactive Waste*, **2016**, 20, 07016001 2.3
- 1 Discussion of Potential Assessment of Neural Network and Decision Tree Algorithms for Forecasting Ambient PM<sub>2.5</sub> and CO Concentrations: Case Study by Chandrra Sekar, B. R. Gurjar, C. S. P. Ojha, and Manish Kumar Goyal. *Journal of Hazardous, Toxic, and Radioactive Waste*, **2017**, 21, 07017001 2.3