

# Taher Rajaei

## 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.

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	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
36	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
35	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
34	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
33	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
32	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
31	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
30	A review of the artificial intelligence methods in groundwater level modeling. <i>Journal of Hydrology</i> , <b>2019</b> , 572, 336-351	6	113
29	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
28	Semivariance analysis and transinformation 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
27	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
26	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
25	Wavelet-linear genetic programming: A new approach for modeling monthly streamflow. <i>Journal of Hydrology</i> , <b>2017</b> , 549, 461-475	6	65
24	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
23	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
22	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. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , <b>2017</b> , 21, 07017001	2.3	
21	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

20	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
19	Flow forecasting models using hydrologic and hydrometric data. <i>Water Management</i> , <b>2017</b> , 170, 150-162		3
18	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
17	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
16	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
15	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. <i>Journal of Hydrology, Environment and Pollution Technology</i> , <b>2016</b> , 20, 2701-2001	2.3	
14	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
13	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
12	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
11	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. Antanasijević & A. Perić & M. Ristić & V. Pocajt. <i>Environ Sci Pollut Res</i> (2014) 22: 4230-4241". <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 19313-4	5.1	
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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

2	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
1	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