

Banafsheh Zahraie

List of Publications by Citations

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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.

60 papers	1,113 citations	19 h-index	31 g-index
66 ext. papers	1,305 ext. citations	3.6 avg, IF	4.72 L-index

#	Paper	IF	Citations
60	Developing a master plan for hospital solid waste management: a case study. <i>Waste Management</i> , 2007 , 27, 626-38	8.6	71
59	Developing monthly operating rules for a cascade system of reservoirs: Application of Bayesian Networks. <i>Environmental Modelling and Software</i> , 2009 , 24, 1420-1432	5.2	69
58	Monthly Water Resources and Irrigation Planning: Case Study of Conjunctive Use of Surface and Groundwater Resources. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2004 , 130, 391-402	1.1	69
57	Water Resources Systems Analysis		69
56	Ranking solutions of multi-objective reservoir operation optimization models using multi-criteria decision analysis. <i>Expert Systems With Applications</i> , 2011 , 38, 7851-7863	7.8	62
55	Stochastic Time-Cost-Resource Utilization Optimization Using Nondominated Sorting Genetic Algorithm and Discrete Fuzzy Sets. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 1162-1171	4.2	55
54	System dynamics modeling for assessment of waterfloodEnergy resources security and nexus in Gavkhuni basin in Iran. <i>Ecological Indicators</i> , 2020 , 108, 105682	5.8	51
53	Integration of ELECTRE III and PROMETHEE II Decision-Making Methods with an Interval Approach: Application in Selection of Appropriate Structural Systems. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 297-314	5	43
52	Improved statistical downscaling of daily precipitation using SDSM platform and data-mining methods. <i>International Journal of Climatology</i> , 2013 , 33, 2561-2578	3.5	43
51	Integrated risk assessment of urban water supply systems from source to tap. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 923-944	3.5	42
50	Development of a Master Plan for Water Pollution Control Using MCDM Techniques: A Case Study. <i>Water International</i> , 2003 , 28, 478-490	2.4	42
49	Performance assessment of different data mining methods in statistical downscaling of daily precipitation. <i>Journal of Hydrology</i> , 2013 , 492, 1-14	6	38
48	A real-time operation optimization model for flood management in river-reservoir systems. <i>Natural Hazards</i> , 2010 , 53, 459-482	3	37
47	PROMETHEE with Precedence Order in the Criteria (PPOC) as a New Group Decision Making Aid: An Application in Urban Water Supply Management. <i>Water Resources Management</i> , 2012 , 26, 3581-3599	3.7	32
46	Development of reservoir operation policies considering variable agricultural water demands. <i>Expert Systems With Applications</i> , 2009 , 36, 4980-4987	7.8	26
45	A Comparison of AHP and PROMETHEE Family Decision Making Methods for Selection of Building Structural System. <i>American Journal of Civil Engineering and Architecture</i> , 2014 , 2, 149-159	1	23
44	Evaluation of spatial and spatiotemporal estimation methods in simulation of precipitation variability patterns. <i>Theoretical and Applied Climatology</i> , 2013 , 113, 429-444	3	21

43	Seasonal Streamflow Forecasting Using Snow Budget and El Niño-Southern Oscillation Climate Signals: Application to the Salt River Basin in Arizona. <i>Journal of Hydrologic Engineering - ASCE</i> , 2004 , 9, 523-533	1.8	20
42	An economic-operational framework for optimum agricultural water distribution in irrigation districts without water marketing. <i>Agricultural Water Management</i> , 2019 , 221, 348-361	5.9	19
41	Monthly water balance modeling: Probabilistic, possibilistic and hybrid methods for model combination and ensemble simulation. <i>Journal of Hydrology</i> , 2014 , 511, 675-691	6	18
40	Optimal Wastewater Loading under Conflicting Goals and Technology Limitations in a Riverine System. <i>Water Environment Research</i> , 2017 , 89, 211-220	2.8	18
39	Improved Inflow Modeling in Stochastic Dual Dynamic Programming. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016065	2.8	17
38	Application of simple clustering on space-time mapping of mean monthly rainfall pattern. <i>International Journal of Climatology</i> , 2011 , 31, 732-741	3.5	17
37	Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2002 , 128, 341-350 ¹¹	1.1	16
36	Decision Support System for Monthly Operation of Hydropower Reservoirs: A Case Study. <i>Journal of Computing in Civil Engineering</i> , 2005 , 19, 194-207	5	15
35	Uncertainty assessment of hydrological models with fuzzy extension principle: Evaluation of a new arithmetic operator. <i>Water Resources Research</i> , 2014 , 50, 1095-1111	5.4	14
34	Identification of long-term annual pattern of meteorological drought based on spatiotemporal methods: evaluation of different geostatistical approaches. <i>Natural Hazards</i> , 2015 , 76, 515-541	3	13
33	Risk based optimal design of detention dams considering uncertain inflows. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 1457-1471	3.5	13
32	Uncertainty assessment of monthly water balance models based on Incremental Modified Fuzzy Extension Principle method. <i>Journal of Hydroinformatics</i> , 2013 , 15, 1340-1360	2.6	11
31	Relationship between benthic macroinvertebrate bio-indices and physicochemical parameters of water: a tool for water resources managers. <i>Journal of Environmental Health Science & Engineering</i> , 2014 , 12, 30	2.9	10
30	AN INTEGRATED APPROACH TO WATER RESOURCES DEVELOPMENT OF THE TEHRAN REGION IN IRAN ¹ . <i>Journal of the American Water Resources Association</i> , 2001 , 37, 1301-1311	2.1	10
29	Exploring spatiotemporal meteorological correlations for basin scale meteorological drought forecasting using data mining methods. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	9
28	Reservoir operation optimization using adaptive varying chromosome length genetic algorithm. <i>Water International</i> , 2008 , 33, 380-391	2.4	9
27	Crop pattern and conjunctive use management: A case study. <i>Irrigation and Drainage</i> , 2008 , 59, n/a-n/a	1.1	8
26	A comparison between direct and indirect frameworks to evaluate impacts of climate change on streamflows: case study of Karkheh River basin in Iran. <i>Journal of Water and Climate Change</i> , 2017 , 8, 652-674	2.3	6

25	Assessment of the Impacts of Sewerage Network on Groundwater Quantity and Nitrate Contamination: Case Study of Tehran 2020 ,		6
24	SST clustering for winter precipitation prediction in southeast of Iran: Comparison between modified K-means and genetic algorithm-based clustering methods. <i>Expert Systems With Applications</i> , 2011 , 38, 5919-5929	7.8	6
23	Integrating discrete event simulation and genetic algorithm optimization for bridge maintenance planning. <i>Automation in Construction</i> , 2021 , 122, 103513	9.6	6
22	Coupling snow accumulation and melt rate modules of monthly water balance models with the Jazim monthly water balance model. <i>Hydrological Sciences Journal</i> , 2017 , 62, 2348-2368	3.5	5
21	Development of a master plan for industrial solid waste management. <i>International Journal of Environmental Science and Technology</i> , 2006 , 3, 229-242	3.3	5
20	Improvement of multiple linear regression method for statistical downscaling of monthly precipitation. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 1897-1912	3.3	4
19	Application of Multi-Objective Particle Swarm Optimization in Operation Management of Reservoirs with Sedimentation Problems 2010 ,		4
18	Economic analysis of Water-Food-Energy Nexus in Gavkhuni basin in Iran. <i>Journal of Hydro-Environment Research</i> , 2020 , 31, 14-25	2.3	4
17	Optimal Wastewater Loading under Conflicting Goals and Technology Limitations in a Riverine System. <i>Water Environment Research</i> , 2017 , 89, 211-220	2.8	3
16	Optimization of Nonlinear Muskingum Method with Variable Parameters Using Multi-Objective Particle Swarm Optimization 2010 ,		3
15	Reservoir Operation Optimization: A Nonstructural Solution for Control of Seepage from Lar Reservoir in Iran. <i>Water International</i> , 2003 , 28, 19-26	2.4	3
14	Localized linear regression methods for estimating monthly precipitation grids using elevation, rain gauge, and TRMM data. <i>Theoretical and Applied Climatology</i> , 2020 , 142, 623-641	3	3
13	System Dynamics Modeling of Water-Energy Nexus for Resource-Saving Policy Assessment. <i>International Journal of Environmental Research</i> , 2021 , 15, 349-367	2.9	3
12	Automated Planning of Building Construction Considering the Amount of Available Floor Formwork 2016 ,		3
11	Performance evaluation of various evapotranspiration modeling scenarios based on METRIC method and climatic indexes. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 111	3.1	3
10	Multi-Objective VLGA Model for Flood Control and Water Supply Management in a Cascade System of Reservoirs 2008 ,		2
9	Framework of a Decision Support System for Basin-Scale Sustainable Water Supply and Demand Management 2008 ,		2
8	Seasonal Precipitation Prediction Using Large Scale Climate Signals 2004 , 1		2

7	An intelligent simulation-based framework for automated planning of concrete construction works. <i>Engineering, Construction and Architectural Management</i> , 2021 , ahead-of-print,	3.1	2
6	Spatial Scale Resolution of Prognostic Hydrological Models: Simulation Performance and Application in Climate Change Impact Assessment. <i>Water Resources Management</i> , 2019 , 33, 189-205	3.7	2
5	Construction and resource short-term planning using a BIM-based ontological decision support system. <i>Canadian Journal of Civil Engineering</i> , 2021 , 48, 75-88	1.3	2
4	Role of Social Network Measurements in Improving Adaptive Capacity: The Case of Agricultural Water Users in Rural Areas of Western Iran. <i>Society and Natural Resources</i> , 1-20	2.4	2
3	Evaluation of Water Sector Performance: A Case Study 2005 , 1		1
2	Stacking machine learning models versus a locally weighted linear model to generate high-resolution monthly precipitation over a topographically complex area. <i>Atmospheric Research</i> , 2022 , 272, 106159	5.4	1
1	Quantitative and qualitative analysis of the dimensions of farmers' adaptive capacity in the face of water scarcity. <i>Journal of Arid Environments</i> , 2022 , 199, 104715	2.5	0