Banafsheh Zahraie

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.

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	Quantitative and qualitative analysis of the dimensions of farmersTadaptive capacity in the face of water scarcity. *Journal of Arid Environments*, **2022**, 199, 104715	2.5	0
59	Stacking machine learning models versus a locally weighted linear model to generate high-resolution monthly precipitation over a topographically complex area. *Atmospheric Research*, **2022**, 272, 106159	5.4	1
58	System Dynamics Modeling of WaterEnergy Nexus for Resource-Saving Policy Assessment. *International Journal of Environmental Research*, **2021**, 15, 349-367	2.9	3
57	An intelligent simulation-based framework for automated planning of concrete construction works. *Engineering, Construction and Architectural Management*, **2021**, ahead-of-print,	3.1	2
56	Construction and resource short-term planning using a BIM-based ontological decision support system. *Canadian Journal of Civil Engineering*, **2021**, 48, 75-88	1.3	2
55	Integrating discrete event simulation and genetic algorithm optimization for bridge maintenance planning. *Automation in Construction*, **2021**, 122, 103513	9.6	6
54	Performance evaluation of various evapotranspiration modeling scenarios based on METRIC method and climatic indexes. *Environmental Monitoring and Assessment*, **2021**, 193, 111	3.1	3
53	Assessment of the Impacts of Sewerage Network on Groundwater Quantity and Nitrate Contamination: Case Study of Tehran **2020**,		6
52	Economic analysis of Water-Food-Energy Nexus in Gavkhuni basin in Iran. *Journal of Hydro-Environment Research*, **2020**, 31, 14-25	2.3	4
51	Localized linear regression methods for estimating monthly precipitation grids using elevation, rain gauge, and TRMM data. *Theoretical and Applied Climatology*, **2020**, 142, 623-641	3	3
50	System dynamics modeling for assessment of waterFoodEnergy resources security and nexus in Gavkhuni basin in Iran. *Ecological Indicators*, **2020**, 108, 105682	5.8	51
49	An economic-operational framework for optimum agricultural water distribution in irrigation districts without water marketing. *Agricultural Water Management*, **2019**, 221, 348-361	5.9	19
48	Spatial Scale Resolution of Prognostic Hydrological Models: Simulation Performance and Application in Climate Change Impact Assessment. *Water Resources Management*, **2019**, 33, 189-205	3.7	2
47	Improvement of multiple linear regression method for statistical downscaling of monthly precipitation. *International Journal of Environmental Science and Technology*, **2018**, 15, 1897-1912	3.3	4
46	A comparison between direct and indirect frameworks to evaluate impacts of climate change on streamflows: case study of Karkheh River basin in Iran. *Journal of Water and Climate Change*, **2017**, 8, 652-674	2.3	6
45	Optimal Wastewater Loading under Conflicting Goals and Technology Limitations in a Riverine System. *Water Environment Research*, **2017**, 89, 211-220	2.8	3
44	Exploring spatiotemporal meteorological correlations for basin scale meteorological drought forecasting using data mining methods. *Arabian Journal of Geosciences*, **2017**, 10, 1	1.8	9

43	Coupling snow accumulation and melt rate modules of monthly water balance models with the Jazim monthly water balance model. *Hydrological Sciences Journal*, **2017**, 62, 2348-2368	3.5	5
42	Optimal Wastewater Loading under Conflicting Goals and Technology Limitations in a Riverine System. *Water Environment Research*, **2017**, 89, 211-220	2.8	18
41	Improved Inflow Modeling in Stochastic Dual Dynamic Programming. *Journal of Water Resources Planning and Management - ASCE*, **2016**, 142, 04016065	2.8	17
40	Risk based optimal design of detention dams considering uncertain inflows. *Stochastic Environmental Research and Risk Assessment*, **2016**, 30, 1457-1471	3.5	13
39	Automated Planning of Building Construction Considering the Amount of Available Floor Formwork **2016**,		3
38	Identification of long-term annual pattern of meteorological drought based on spatiotemporal methods: evaluation of different geostatistical approaches. *Natural Hazards*, **2015**, 76, 515-541	3	13
37	Uncertainty assessment of hydrological models with fuzzy extension principle: Evaluation of a new arithmetic operator. *Water Resources Research*, **2014**, 50, 1095-1111	5.4	14
36	Integration of ELECTRE III and PROMETHEE II Decision-Making Methods with an Interval Approach: Application in Selection of Appropriate Structural Systems. *Journal of Computing in Civil Engineering* , **2014**, 28, 297-314	5	43
35	Monthly water balance modeling: Probabilistic, possibilistic and hybrid methods for model combination and ensemble simulation. *Journal of Hydrology*, **2014**, 511, 675-691	6	18
34	Relationship between benthic macroinvertebrate bio-indices and physicochemical parameters of water: a tool for water resources managers. *Journal of Environmental Health Science & Engineering*, **2014**, 12, 30	2.9	10
33	A Comparison of AHP and PROMETHEE Family Decision Making Methods for Selection of Building Structural System. *American Journal of Civil Engineering and Architecture*, **2014**, 2, 149-159	1	23
32	Integrated risk assessment of urban water supply systems from source to tap. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 923-944	3.5	42
31	Evaluation of spatial and spatiotemporal estimation methods in simulation of precipitation variability patterns. *Theoretical and Applied Climatology*, **2013**, 113, 429-444	3	21
30	Improved statistical downscaling of daily precipitation using SDSM platform and data-mining methods. *International Journal of Climatology*, **2013**, 33, 2561-2578	3.5	43
29	Performance assessment of different data mining methods in statistical downscaling of daily precipitation. *Journal of Hydrology*, **2013**, 492, 1-14	6	38
28	Uncertainty assessment of monthly water balance models based on Incremental Modified Fuzzy Extension Principle method. *Journal of Hydroinformatics*, **2013**, 15, 1340-1360	2.6	11
27	PROMETHEE with Precedence Order in the Criteria (PPOC) as a New Group Decision Making Aid: An Application in Urban Water Supply Management. *Water Resources Management*, **2012**, 26, 3581-3599	3.7	32
26	Application of simple clustering on space-time mapping of mean monthly rainfall pattern. *International Journal of Climatology*, **2011**, 31, 732-741	3.5	17

25	SST clustering for winter precipitation prediction in southeast of Iran: Comparison between modified K-means and genetic algorithm-based clustering methods. *Expert Systems With Applications*, **2011**, 38, 5919-5929	7.8	6
24	Ranking solutions of multi-objective reservoir operation optimization models using multi-criteria decision analysis. *Expert Systems With Applications*, **2011**, 38, 7851-7863	7.8	62
23	Application of Multi-Objective Particle Swarm Optimization in Operation Management of Reservoirs with Sedimentation Problems **2010**,		4
22	Optimization of Nonlinear Muskingum Method with Variable Parameters Using Multi-Objective Particle Swarm Optimization **2010**,		3
21	A real-time operation optimization model for flood management in river-reservoir systems. *Natural Hazards*, **2010**, 53, 459-482	3	37
20	Development of reservoir operation policies considering variable agricultural water demands. *Expert Systems With Applications*, **2009**, 36, 4980-4987	7.8	26
19	Developing monthly operating rules for a cascade system of reservoirs: Application of Bayesian Networks. *Environmental Modelling and Software*, **2009**, 24, 1420-1432	5.2	69
18	Stochastic Time-Cost-Resource Utilization Optimization Using Nondominated Sorting Genetic Algorithm and Discrete Fuzzy Sets. *Journal of Construction Engineering and Management - ASCE*, **2009**, 135, 1162-1171	4.2	55
17	Reservoir operation optimization using adaptive varying chromosome length genetic algorithm. *Water International*, **2008**, 33, 380-391	2.4	9
16	Multi-Objective VLGA Model for Flood Control and Water Supply Management in a Cascade System of Reservoirs **2008**,		2
15	Framework of a Decision Support System for Basin-Scale Sustainable Water Supply and Demand Management **2008**,		2
14	Crop pattern and conjunctive use management: A case study. *Irrigation and Drainage*, **2008**, 59, n/a-n/a	1.1	8
13	Developing a master plan for hospital solid waste management: a case study. *Waste Management*, **2007**, 27, 626-38	8.6	71
12	Development of a master plan for industrial solid waste management. *International Journal of Environmental Science and Technology*, **2006**, 3, 229-242	3.3	5
11	Decision Support System for Monthly Operation of Hydropower Reservoirs: A Case Study. *Journal of Computing in Civil Engineering*, **2005**, 19, 194-207	5	15
10	Evaluation of Water Sector Performance: A Case Study **2005**, 1		1
9	Seasonal Precipitation Prediction Using Large Scale Climate Signals **2004**, 1		2
8	Monthly Water Resources and Irrigation Planning: Case Study of Conjunctive Use of Surface and Groundwater Resources. *Journal of Irrigation and Drainage Engineering - ASCE*, **2004**, 130, 391-402	1.1	69

7	Seasonal Streamflow Forecasting Using Snow Budget and El Niño-Southern Oscillation Climate Signals: Application to the Salt River Basin in Arizona. *Journal of Hydrologic Engineering - ASCE*, **2004**, 9, 523-533	1.8	20
6	Reservoir Operation Optimization: A Nonstructural Solution for Control of Seepage from Lar Reservoir in Iran. *Water International*, **2003**, 28, 19-26	2.4	3
5	Development of a Master Plan for Water Pollution Control Using MCDM Techniques: A Case Study. *Water International*, **2003**, 28, 478-490	2.4	42
4	Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. *Journal of Irrigation and Drainage Engineering - ASCE*, **2002**, 128, 341-350	1.1	16
3	AN INTEGRATED APPROACH TO WATER RESOURCES DEVELOPMENT OF THE TEHRAN REGION IN IRAN1. *Journal of the American Water Resources Association*, **2001**, 37, 1301-1311	2.1	10
2	Water Resources Systems Analysis		69
1	Role of Social Network Measurements in Improving Adaptive Capacity: The Case of Agricultural Water Users in Rural Areas of Western Iran. *Society and Natural Resources*,1-20	2.4	2