

Banafsheh Zahraie

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,537
citations

331642

21
h-index

345203

36
g-index

66
all docs

66
docs citations

66
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	System dynamics modeling for assessment of waterâ€“foodâ€“energy resources security and nexus in Gavkhuni basin in Iran. <i>Ecological Indicators</i> , 2020, 108, 105682.	6.3	102
2	Developing a master plan for hospital solid waste management: A case study. <i>Waste Management</i> , 2007, 27, 626-638.	7.4	86
3	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.	1.0	77
4	Ranking solutions of multi-objective reservoir operation optimization models using multi-criteria decision analysis. <i>Expert Systems With Applications</i> , 2011, 38, 7851-7863.	7.6	77
5	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.	3.8	75
6	Developing monthly operating rules for a cascade system of reservoirs: Application of Bayesian Networks. <i>Environmental Modelling and Software</i> , 2009, 24, 1420-1432.	4.5	72
7	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.	4.7	58
8	Improved statistical downscaling of daily precipitation using <scp>SDSM</scp> platform and dataâ€“mining methods. <i>International Journal of Climatology</i> , 2013, 33, 2561-2578.	3.5	54
9	Integrated risk assessment of urban water supply systems from source to tap. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013, 27, 923-944.	4.0	51
10	Performance assessment of different data mining methods in statistical downscaling of daily precipitation. <i>Journal of Hydrology</i> , 2013, 492, 1-14.	5.4	50
11	A real-time operation optimization model for flood management in river-reservoir systems. <i>Natural Hazards</i> , 2010, 53, 459-482.	3.4	48
12	Development of a Master Plan for Water Pollution Control Using MCDM Techniques: A Case Study. <i>Water International</i> , 2003, 28, 478-490.	1.0	46
13	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.	3.9	40
14	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.	0.2	34
15	Development of reservoir operation policies considering variable agricultural water demands. <i>Expert Systems With Applications</i> , 2009, 36, 4980-4987.	7.6	30
16	Evaluation of spatial and spatiotemporal estimation methods in simulation of precipitation variability patterns. <i>Theoretical and Applied Climatology</i> , 2013, 113, 429-444.	2.8	29
17	Seasonal Streamflow Forecasting Using Snow Budget and El NiÃ±o-Southern Oscillation Climate Signals: Application to the Salt River Basin in Arizona. <i>Journal of Hydrologic Engineering - ASCE</i> , 2004, 9, 523-533.	1.9	28
18	An economic-operational framework for optimum agricultural water distribution in irrigation districts without water marketing. <i>Agricultural Water Management</i> , 2019, 221, 348-361.	5.6	27

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19	Selecting Sustainability Indicators for Small to Medium Sized Urban Water Systems Using Fuzzyâ€ELECTRE. <i>Water Environment Research</i> , 2017, 89, 238-249.	2.7	26
20	Integrating discrete event simulation and genetic algorithm optimization for bridge maintenance planning. <i>Automation in Construction</i> , 2021, 122, 103513.	9.8	26
21	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.	4.1	24
22	Monthly water balance modeling: Probabilistic, possibilistic and hybrid methods for model combination and ensemble simulation. <i>Journal of Hydrology</i> , 2014, 511, 675-691.	5.4	23
23	Application of simple clustering on spaceâ€time mapping of mean monthly rainfall pattern. <i>International Journal of Climatology</i> , 2011, 31, 732-741.	3.5	21
24	Uncertainty assessment of hydrological models with fuzzy extension principle: Evaluation of a new arithmetic operator. <i>Water Resources Research</i> , 2014, 50, 1095-1111.	4.2	20
25	Improved Inflow Modeling in Stochastic Dual Dynamic Programming. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	2.6	20
26	Decision Support System for Monthly Operation of Hydropower Reservoirs: A Case Study. <i>Journal of Computing in Civil Engineering</i> , 2005, 19, 194-207.	4.7	19
27	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.	3.4	18
28	AN INTEGRATED APPROACH TO WATER RESOURCES DEVELOPMENT OF THE TEHRAN REGION IN IRAN. <i>Journal of the American Water Resources Association</i> , 2001, 37, 1301-1311.	2.4	17
29	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.	1.0	17
30	Uncertainty assessment of monthly water balance models based on Incremental Modified Fuzzy Extension Principle method. <i>Journal of Hydroinformatics</i> , 2013, 15, 1340-1360.	2.4	17
31	Risk based optimal design of detention dams considering uncertain inflows. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 1457-1471.	4.0	15
32	Crop pattern and conjunctive use management: A case study. <i>Irrigation and Drainage</i> , 2010, 59, 161-173.	1.7	14
33	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.	3.0	13
34	Exploring spatiotemporal meteorological correlations for basin scale meteorological drought forecasting using data mining methods. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	1.3	13
35	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.	2.8	13
36	Reservoir operation optimization using adaptive varying chromosome length genetic algorithm. <i>Water International</i> , 2008, 33, 380-391.	1.0	12

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37	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.	7.6	10
38	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.	3.5	10
39	Economic analysis of Water-Food-Energy Nexus in Gavkhuni basin in Iran. <i>Journal of Hydro-Environment Research</i> , 2020, 31, 14-25.	2.2	10
40	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.	2.6	8
41	Assessment of the Impacts of Sewerage Network on Groundwater Quantity and Nitrate Contamination: Case Study of Tehran. , 2020, , .		8
42	System Dynamics Modeling of Water-Energy Nexus for Resource-Saving Policy Assessment. <i>International Journal of Environmental Research</i> , 2021, 15, 349-367.	2.3	8
43	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	7
44	An intelligent simulation-based framework for automated planning of concrete construction works. <i>Engineering, Construction and Architectural Management</i> , 2022, 29, 916-939.	3.1	7
45	Development of a master plan for industrial solid waste management. <i>International Journal of Environmental Science and Technology</i> , 2006, 3, 229-242.	3.5	6
46	Application of Multi-Objective Particle Swarm Optimization in Operation Management of Reservoirs with Sedimentation Problems. , 2010, , .		6
47	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.	2.9	6
48	Performance evaluation of various evapotranspiration modeling scenarios based on METRIC method and climatic indexes. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 111.	2.7	6
49	Reservoir Operation Optimization: A Nonstructural Solution for Control of Seepage from Lar Reservoir in Iran. <i>Water International</i> , 2003, 28, 19-26.	1.0	5
50	Optimization of Nonlinear Muskingum Method with Variable Parameters Using Multi-Objective Particle Swarm Optimization. , 2010, , .		5
51	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.	3.9	5
52	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.	2.4	5
53	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> , 2021, 34, 1338-1357.	1.9	4
54	Automated Planning of Building Construction Considering the Amount of Available Floor Formwork. , 2016, , .		3

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55	Optimal Wastewater Loading under Conflicting Goals and Technology Limitations in a Riverine System. Water Environment Research, 2017, 89, 211-220.	2.7	3
56	Seasonal Precipitation Prediction Using Large Scale Climate Signals. , 2004, , 1.		2
57	Evaluation of Water Sector Performance: A Case Study. , 2005, , 1.		2
58	Multi-Objective VLGA Model for Flood Control and Water Supply Management in a Cascade System of Reservoirs. , 2008, , .		2
59	Framework of a Decision Support System for Basin-Scale Sustainable Water Supply and Demand Management. , 2008, , .		2
60	An Ontological Framework for Identification of Construction Resources Using BIM Information. , 2018, , .		2
61	SEASONAL PRECIPITATION FORECASTING USING LARGE SCALE CLIMATE SIGNALS: APPLICATION TO THE KAROON RIVER BASIN IN IRAN. , 2004, , 1221-1228.		2
62	Optimizing the Selection and Layout of Table Forms with Different Dimensions Using BIM and Integer Programming. , 2016, , .		1
63	A Decision Support System for Hydropower Reservoirs with Application to Dez and Karoon System in Iran. , 2001, , 1.		0
64	Climate Signal Clustering Using Genetic Algorithm for Precipitation Forecasting: A Case Study of Southeast of Iran. , 2007, , .		0
65	Stochastic VLGA Model for Operation Optimization of Cascade Reservoirs. , 2008, , .		0