

# Arash Malekian

## 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.

45  
papers

1,196  
citations

21  
h-index

34  
g-index

49  
ext. papers

1,551  
ext. citations

3.1  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
45	Sustainable Water Supply and Demand Management in Semi-arid Regions: Optimizing Water Resources Allocation Based on RCPs Scenarios. <i>Water Resources Management</i> , <b>2021</b> , 35, 5307	3.7	4
44	Soil moisture change analysis under watershed management practice using in situ and remote sensing data in a paired watershed. <i>Environmental Monitoring and Assessment</i> , <b>2021</b> , 193, 299	3.1	0
43	Spatiotemporal monitoring and change detection of vegetation cover for drought management in the Middle East. <i>Theoretical and Applied Climatology</i> , <b>2021</b> , 144, 299-315	3	2
42	Impacts of future climate and land use change on water yield in a semiarid basin in Iran. <i>Land Degradation and Development</i> , <b>2020</b> , 31, 1252-1264	4.4	16
41	Analyzing Stakeholders' Network to Water Resources Co-management at a Watershed Scale: A Case Study from the Taleghan Watershed in Iran <b>2020</b> , 239-265		
40	Scenario analysis for integrated water resources management under future land use change in the Urmia Lake region, Iran. <i>Land Use Policy</i> , <b>2020</b> , 90, 104299	5.6	35
39	Regional analysis of trend and non-stationarity of hydro-climatic time series in the Southern Alborz Region, Iran. <i>International Journal of Climatology</i> , <b>2020</b> , 40, 1979-1991	3.5	3
38	Prediction of future grassland vegetation cover fluctuation under climate change scenarios. <i>Ecological Indicators</i> , <b>2020</b> , 119, 106858	5.8	15
37	Spatiotemporal dynamics of ecosystem services provision in a degraded ecosystem: A systematic assessment in the Lake Urmia basin, Iran. <i>Science of the Total Environment</i> , <b>2020</b> , 716, 137100	10.2	27
36	Precipitation forecasting by large-scale climate indices and machine learning techniques. <i>Journal of Arid Land</i> , <b>2020</b> , 12, 854-864	2.2	3
35	A regional assessment of wet/dry spells characteristics using RCPs scenarios in a semiarid region. <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	1
34	A Combined AHP- and TOPSIS-Based Approach in the Assessment of Desertification Disaster Risk. <i>Environmental Modeling and Assessment</i> , <b>2020</b> , 25, 219-229	2	8
33	Streamflow regionalization using a similarity approach in ungauged basins: Application of the geo-environmental signatures in the Karkheh River Basin, Iran. <i>Catena</i> , <b>2019</b> , 182, 104128	5.8	28
32	Development of a New Integrated Framework for Improved Rainfall-Runoff Modeling under Climate Variability and Human Activities. <i>Water Resources Management</i> , <b>2019</b> , 33, 2501-2515	3.7	3
31	Similarity Metrics-Based Uncertainty Analysis of River Water Quality Models. <i>Water Resources Management</i> , <b>2019</b> , 33, 1927-1945	3.7	4
30	Climate change impacts in Iran: assessing our current knowledge. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 135, 545-564	3	26
29	Comprehensive evaluation of groundwater resources based on DPSIR conceptual framework. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	14

28	Changeability evaluation of hydro-climate variables in Western Caspian Sea region, Iran. <i>Environmental Earth Sciences</i> , <b>2018</b> , 77, 1	2.9	4
27	Downscaling the contribution to uncertainty in climate-change assessments: representative concentration pathway (RCP) scenarios for the South Alborz Range, Iran. <i>Meteorological Applications</i> , <b>2018</b> , 25, 414-422	2.1	11
26	Homogeneity analysis of streamflow records in arid and semi-arid regions of northwestern Iran. <i>Journal of Arid Land</i> , <b>2018</b> , 10, 493-506	2.2	4
25	A novel machine learning-based approach for the risk assessment of nitrate groundwater contamination. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 954-962	10.2	152
24	Assessment of drought risk index using drought hazard and vulnerability indices. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	22
23	Estimating time of concentration in large watersheds. <i>Paddy and Water Environment</i> , <b>2017</b> , 15, 123-132	1.6	22
22	An ensemble forecast of semi-arid rainfall using large-scale climate predictors. <i>Meteorological Applications</i> , <b>2017</b> , 24, 376-386	2.1	36
21	Effects of forest harvesting on runoff and sediment characteristics in the Hyrcanian forests, northern Iran. <i>European Journal of Forest Research</i> , <b>2017</b> , 136, 375-386	2.7	28
20	Watershed classification by remote sensing indices: A fuzzy c-means clustering approach. <i>Journal of Mountain Science</i> , <b>2017</b> , 14, 2053-2063	2.1	35
19	Designing a risk-based multi criteria framework for river health assessment: a case study of Taleghan basin, Iran. <i>International Journal of Hydrology Science and Technology</i> , <b>2017</b> , 7, 63	1.5	2
18	Combined gamma and M-test-based ANN and ARIMA models for groundwater fluctuation forecasting in semiarid regions. <i>Environmental Earth Sciences</i> , <b>2017</b> , 76, 1	2.9	59
17	Development of a risk-based multi-criteria approach for watershed prioritization with consideration of soil erosion alleviation (case study of Iran). <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	9
16	Multiple linear regression, multi-layer perceptron network and adaptive neuro-fuzzy inference system for forecasting precipitation based on large-scale climate signals. <i>Hydrological Sciences Journal</i> , <b>2016</b> , 61, 1001-1009	3.5	74
15	Spatio-Temporal Analysis of Regional Trends and Shift Changes of Autocorrelated Temperature Series in Urmia Lake Basin. <i>Water Resources Management</i> , <b>2016</b> , 30, 785-803	3.7	15
14	Analysis of Flood Risk Management Strategies Based on a Group Decision Making Process via Interval-Valued Intuitionistic Fuzzy Numbers. <i>Water Resources Management</i> , <b>2016</b> , 30, 1903-1921	3.7	18
13	Spatial characteristics and temporal trends of meteorological and hydrological droughts in northwestern Iran. <i>Natural Hazards</i> , <b>2016</b> , 80, 191-210	3	29
12	Application of Integrated Shannon Entropy and VIKOR Techniques in Prioritization of Flood Risk in the Shemshak Watershed, Iran. <i>Water Resources Management</i> , <b>2016</b> , 30, 409-425	3.7	34
11	Application of several data-driven techniques to predict a standardized precipitation index. <i>Atmosfera</i> , <b>2016</b> , 29, 121	2.5	40

10	Multi-time-scale analysis of hydrological drought forecasting using support vector regression (SVR) and artificial neural networks (ANN). <i>Arabian Journal of Geosciences</i> , <b>2016</b> , 9, 1	1.8	37
9	A new approach for preparing the geomorphological map based on the active rock glaciers in southwestern Iran. <i>Arabian Journal of Geosciences</i> , <b>2015</b> , 8, 9693-9698	1.8	1
8	A modified distance-weighted approach for filling annual precipitation gaps: application to different climates of Iran. <i>Theoretical and Applied Climatology</i> , <b>2015</b> , 119, 33-42	3	6
7	Spatiotemporal patterns of stable isotopes and hydrochemistry in springs and river flow of the upper Karkheh River Basin, Iran. <i>Isotopes in Environmental and Health Studies</i> , <b>2014</b> , 50, 169-83	1.5	17
6	Drought forecasting in a semi-arid watershed using climate signals: a neuro-fuzzy modeling approach. <i>Journal of Mountain Science</i> , <b>2014</b> , 11, 1593-1605	2.1	67
5	The Qanat: A Living History in Iran <b>2010</b> , 125-138		22
4	Economic valuation of water storage function of forest ecosystems (case study: Zagros Forests, Iran). <i>Journal of Forestry Research</i> , <b>2010</b> , 21, 293-300	2	24
3	Effect of SRTM resolution on morphometric feature identification using neural network self organizing map. <i>Geoinformatica</i> , <b>2010</b> , 14, 405-424	2.5	15
2	Geomorphologic threshold conditions for gully erosion in Southwestern Iran (Boushehr-Samal watershed). <i>Journal of Asian Earth Sciences</i> , <b>2009</b> , 35, 180-189	2.8	63
1	Application of GIS techniques to determine areas most suitable for artificial groundwater recharge in a coastal aquifer in southern Iran. <i>Journal of Asian Earth Sciences</i> , <b>2007</b> , 30, 364-374	2.8	146