

# Arash Malekian

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,870  
citations

279778

23  
h-index

265191

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1934  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel machine learning-based approach for the risk assessment of nitrate groundwater contamination. <i>Science of the Total Environment</i> , 2018, 644, 954-962.	8.0	238
2	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> , 2007, 30, 364-374.	2.3	166
3	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> , 2016, 61, 1001-1009.	2.6	124
4	Drought forecasting in a semi-arid watershed using climate signals: a neuro-fuzzy modeling approach. <i>Journal of Mountain Science</i> , 2014, 11, 1593-1605.	2.0	92
5	Combined gamma and M-test-based ANN and ARIMA models for groundwater fluctuation forecasting in semiarid regions. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	89
6	Geomorphic threshold conditions for gully erosion in Southwestern Iran (Boushehr-Samal) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td</i>	2.3	74
7	Scenario analysis for integrated water resources management under future land use change in the Urmia Lake region, Iran. <i>Land Use Policy</i> , 2020, 90, 104299.	5.6	65
8	Streamflow regionalization using a similarity approach in ungauged basins: Application of the geo-environmental signatures in the Karkheh River Basin, Iran. <i>Catena</i> , 2019, 182, 104128.	5.0	64
9	Multi-time-scale analysis of hydrological drought forecasting using support vector regression (SVR) and artificial neural networks (ANN). <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	58
10	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> , 2020, 716, 137100.	8.0	56
11	Watershed classification by remote sensing indices: A fuzzy c-means clustering approach. <i>Journal of Mountain Science</i> , 2017, 14, 2053-2063.	2.0	53
12	Application of several data-driven techniques to predict a standardized precipitation index. <i>Atmosfera</i> , 0, , .	0.8	52
13	Impacts of future climate and land use change on water yield in a semiarid basin in Iran. <i>Land Degradation and Development</i> , 2020, 31, 1252-1264.	3.9	49
14	An ensemble forecast of semi-arid rainfall using large-scale climate predictors. <i>Meteorological Applications</i> , 2017, 24, 376-386.	2.1	48
15	Assessment of drought risk index using drought hazard and vulnerability indices. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	48
16	Spatial characteristics and temporal trends of meteorological and hydrological droughts in northwestern Iran. <i>Natural Hazards</i> , 2016, 80, 191-210.	3.4	44
17	Application of Integrated Shannon's Entropy and VIKOR Techniques in Prioritization of Flood Risk in the Shemshak Watershed, Iran. <i>Water Resources Management</i> , 2016, 30, 409-425.	3.9	44
18	Estimating time of concentration in large watersheds. <i>Paddy and Water Environment</i> , 2017, 15, 123-132.	1.8	42

#	ARTICLE	IF	CITATIONS
19	Climate change impacts in Iran: assessing our current knowledge. <i>Theoretical and Applied Climatology</i> , 2019, 135, 545-564.	2.8	41
20	Effects of forest harvesting on runoff and sediment characteristics in the Hyrcanian forests, northern Iran. <i>European Journal of Forest Research</i> , 2017, 136, 375-386.	2.5	39
21	The Qanat: A Living History in Iran. , 2010, , 125-138.		34
22	Economic valuation of water storage function of forest ecosystems (case study: Zagros Forests,) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6</i>	3.6	33
23	Prediction of future grassland vegetation cover fluctuation under climate change scenarios. <i>Ecological Indicators</i> , 2020, 119, 106858.	6.3	32
24	Sustainable Water Supply and Demand Management in Semi-arid Regions: Optimizing Water Resources Allocation Based on RCPs Scenarios. <i>Water Resources Management</i> , 2021, 35, 5307-5324.	3.9	30
25	Analysis of Flood Risk Management Strategies Based on a Group Decision Making Process via Interval-Valued Intuitionistic Fuzzy Numbers. <i>Water Resources Management</i> , 2016, 30, 1903-1921.	3.9	25
26	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> , 2014, 50, 169-183.	1.0	19
27	Comprehensive evaluation of groundwater resources based on DPSIR conceptual framework. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	19
28	Spatio-Temporal Analysis of Regional Trends and Shift Changes of Autocorrelated Temperature Series in Urmia Lake Basin. <i>Water Resources Management</i> , 2016, 30, 785-803.	3.9	18
29	Downscaling the contribution to uncertainty in climate change assessments: representative concentration pathway (RCP) scenarios for the South America, Brazil, and Iran. <i>Meteorological Applications</i> , 2018, 25, 414-422.	2.1	17
30	Effect of SRTM resolution on morphometric feature identification using neural network self organizing map. <i>Geoinformatica</i> , 2010, 14, 405-424.	2.7	16
31	A Combined AHP- and TOPSIS-Based Approach in the Assessment of Desertification Disaster Risk. <i>Environmental Modeling and Assessment</i> , 2020, 25, 219-229.	2.2	16
32	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> , 2016, 75, 1.	2.7	14
33	Spatiotemporal monitoring and change detection of vegetation cover for drought management in the Middle East. <i>Theoretical and Applied Climatology</i> , 2021, 144, 299-315.	2.8	14
34	Development of a New Integrated Framework for Improved Rainfall-Runoff Modeling under Climate Variability and Human Activities. <i>Water Resources Management</i> , 2019, 33, 2501-2515.	3.9	11
35	Changeability evaluation of hydro-climate variables in Western Caspian Sea region, Iran. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	10
36	Similarity Metrics-Based Uncertainty Analysis of River Water Quality Models. <i>Water Resources Management</i> , 2019, 33, 1927-1945.	3.9	10

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37	A modified distance-weighted approach for filling annual precipitation gaps: application to different climates of Iran. <i>Theoretical and Applied Climatology</i> , 2015, 119, 33-42.	2.8	9
38	Homogeneity analysis of streamflow records in arid and semi-arid regions of northwestern Iran. <i>Journal of Arid Land</i> , 2018, 10, 493-506.	2.3	9
39	Precipitation forecasting by large-scale climate indices and machine learning techniques. <i>Journal of Arid Land</i> , 2020, 12, 854-864.	2.3	9
40	Regional analysis of trend and non-stationarity of hydro-climatic time series in the Southern Alborz Region, Iran. <i>International Journal of Climatology</i> , 2020, 40, 1979-1991.	3.5	7
41	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> , 2021, 193, 299.	2.7	3
42	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> , 2017, 7, 63.	0.3	2
43	Analyzing Stakeholders'™ Network to Water Resources Co-management at a Watershed Scale: A Case Study from the Taleghan Watershed in Iran. , 2020, , 239-265.		2
44	A new approach for preparing the geomorphological map based on the active rock glaciers in southwestern Iran. <i>Arabian Journal of Geosciences</i> , 2015, 8, 9693-9698.	1.3	1
45	A regional assessment of wet/dry spells characteristics using RCPs scenarios in a semiarid region. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	1
46	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> , 2017, 7, 63.	0.3	0
47	EVALUATION OF TRMM-3B42V7 AND PERSIANN-CDR DAILY-PRECIPITATION PRODUCTS FOR THE SOUTHERN SLOPES OF ALBORZ MOUNTAINS, IRAN. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-4/W18, 1163-1167.	0.2	0