

Hossein Tabari

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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.

100 papers	4,934 citations	41 h-index	68 g-index
117 ext. papers	5,843 ext. citations	3.7 avg, IF	6.61 L-index

#	Paper	IF	Citations
100	Temporal variability of precipitation over Iran: 1966-2005. <i>Journal of Hydrology</i> , 2011 , 396, 313-320	6	277
99	Trend analysis of reference evapotranspiration in the western half of Iran. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 128-136	5.8	255
98	Testing for long-term trends in climatic variables in Iran. <i>Atmospheric Research</i> , 2011 , 100, 132-140	5.4	231
97	Comparative analysis of 31 reference evapotranspiration methods under humid conditions. <i>Irrigation Science</i> , 2013 , 31, 107-117	3.1	192
96	Spatiotemporal trends and change point of precipitation in Iran. <i>Atmospheric Research</i> , 2012 , 113, 1-12	5.4	163
95	SVM, ANFIS, regression and climate based models for reference evapotranspiration modeling using limited climatic data in a semi-arid highland environment. <i>Journal of Hydrology</i> , 2012 , 444-445, 78-89	6	161
94	Analysis of trends in temperature data in arid and semi-arid regions of Iran. <i>Global and Planetary Change</i> , 2011 , 79, 1-10	4.2	154
93	Temporal trends and spatial characteristics of drought and rainfall in arid and semiarid regions of Iran. <i>Hydrological Processes</i> , 2012 , 26, 3351-3361	3.3	150
92	Evaluation of Reference Crop Evapotranspiration Equations in Various Climates. <i>Water Resources Management</i> , 2010 , 24, 2311-2337	3.7	117
91	Flood flow forecasting using ANN, ANFIS and regression models. <i>Neural Computing and Applications</i> , 2014 , 25, 25-37	4.8	111
90	Estimation of daily pan evaporation using artificial neural network and multivariate non-linear regression. <i>Irrigation Science</i> , 2010 , 28, 399-406	3.1	111
89	Climate change impact on flood and extreme precipitation increases with water availability. <i>Scientific Reports</i> , 2020 , 10, 13768	4.9	111
88	Hydrological Drought Assessment in Northwestern Iran Based on Streamflow Drought Index (SDI). <i>Water Resources Management</i> , 2013 , 27, 137-151	3.7	110
87	Temporal pattern of aridity index in Iran with considering precipitation and evapotranspiration trends. <i>International Journal of Climatology</i> , 2013 , 33, 396-409	3.5	101
86	Changes of Pan Evaporation in the West of Iran. <i>Water Resources Management</i> , 2011 , 25, 97-111	3.7	101
85	Recent trends of mean maximum and minimum air temperatures in the western half of Iran. <i>Meteorology and Atmospheric Physics</i> , 2011 , 111, 121-131	2	85
84	Local Calibration of the Hargreaves and Priestley-Taylor Equations for Estimating Reference Evapotranspiration in Arid and Cold Climates of Iran Based on the Penman-Monteith Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 837-845	1.8	84

83	Statistical assessment of precipitation trends in the upper Blue Nile River basin. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1751-1761	3.5	83
82	Comparison of artificial neural network and multivariate linear regression methods for estimation of daily soil temperature in an arid region. <i>Meteorology and Atmospheric Physics</i> , 2011 , 110, 135-142	2	83
81	Heat stress increase under climate change twice as large in cities as in rural areas: A study for a densely populated midlatitude maritime region. <i>Geophysical Research Letters</i> , 2017 , 44, 8997-9007	4.9	80
80	Evaluation of Class A Pan Coefficient Models for Estimation of Reference Crop Evapotranspiration in Cold Semi-Arid and Warm Arid Climates. <i>Water Resources Management</i> , 2010 , 24, 909-920	3.7	72
79	A survey of temperature and precipitation based aridity indices in Iran. <i>Quaternary International</i> , 2014 , 345, 158-166	2	69
78	Spatial distribution and temporal variation of reference evapotranspiration in arid and semi-arid regions of Iran. <i>Hydrological Processes</i> , 2012 , 26, 500-512	3.3	69
77	Innovative trend analysis of annual and seasonal rainfall in the Yangtze River Delta, eastern China. <i>Atmospheric Research</i> , 2020 , 231, 104673	5.4	65
76	Shift changes and monotonic trends in autocorrelated temperature series over Iran. <i>Theoretical and Applied Climatology</i> , 2012 , 109, 95-108	3	63
75	Long-term variations of water quality parameters in the Maroon River, Iran. <i>Environmental Monitoring and Assessment</i> , 2011 , 177, 273-87	3.1	59
74	Comparison of different statistical downscaling methods for climate change rainfall projections over the Lake Victoria basin considering CMIP3 and CMIP5. <i>Journal of Hydro-Environment Research</i> , 2016 , 12, 31-45	2.3	58
73	Investigation of groundwater level fluctuations in the north of Iran. <i>Environmental Earth Sciences</i> , 2012 , 66, 231-243	2.9	57
72	Sensitivity of evapotranspiration to climatic change in different climates. <i>Global and Planetary Change</i> , 2014 , 115, 16-23	4.2	51
71	Regional Estimation of Reference Evapotranspiration in Arid and Semiarid Regions. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010 , 136, 724-731	1.1	51
70	Analyses of rainfall trends in the Nile River Basin. <i>Journal of Hydro-Environment Research</i> , 2016 , 13, 36-51	1.3	50
69	Uncertainty assessment for climate change impact on intense precipitation: how many model runs do we need?. <i>International Journal of Climatology</i> , 2017 , 37, 1105-1117	3.5	49
68	Identification of Trend in Reference Evapotranspiration Series with Serial Dependence in Iran. <i>Water Resources Management</i> , 2012 , 26, 2219-2232	3.7	49
67	Assessment of a conceptual hydrological model and artificial neural networks for daily outflows forecasting. <i>International Journal of Environmental Science and Technology</i> , 2013 , 10, 1181-1192	3.3	48
66	River flow trends in the west of Iran during the past 40years: Impact of precipitation variability. <i>Global and Planetary Change</i> , 2013 , 101, 52-60	4.2	48

65	Spatiotemporal trends of aridity index in arid and semi-arid regions of Iran. <i>Theoretical and Applied Climatology</i> , 2013 , 111, 149-160	3	48
64	Short-term forecasting of soil temperature using artificial neural network. <i>Meteorological Applications</i> , 2015 , 22, 576-585	2.1	46
63	Climate change impact on short-duration extreme precipitation and intensity-duration-frequency curves over Europe. <i>Journal of Hydrology</i> , 2020 , 590, 125249	6	45
62	Hydrological drought in the west of Iran and possible association with large-scale atmospheric circulation patterns. <i>Hydrological Processes</i> , 2014 , 28, 764-773	3.3	43
61	Utility of coactive neuro-fuzzy inference system for pan evaporation modeling in comparison with multilayer perceptron. <i>Meteorology and Atmospheric Physics</i> , 2012 , 116, 147-154	2	42
60	Moisture index for Iran: Spatial and temporal analyses. <i>Global and Planetary Change</i> , 2013 , 100, 11-19	4.2	41
59	Applicability of support vector machines and adaptive neurofuzzy inference system for modeling potato crop evapotranspiration. <i>Irrigation Science</i> , 2013 , 31, 575-588	3.1	40
58	Local impact analysis of climate change on precipitation extremes: are high-resolution climate models needed for realistic simulations?. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 3843-3857	5.5	40
57	ENSO teleconnection impacts on reference evapotranspiration variability in some warm climates of Iran. <i>International Journal of Climatology</i> , 2011 , 31, 1710-1723	3.5	39
56	A perturbation approach for assessing trends in precipitation extremes across Iran. <i>Journal of Hydrology</i> , 2014 , 519, 1420-1427	6	37
55	Comparison of artificial neural network and combined models in estimating spatial distribution of snow depth and snow water equivalent in Samsami basin of Iran. <i>Neural Computing and Applications</i> , 2010 , 19, 625-635	4.8	37
54	Water availability change in central Belgium for the late 21st century. <i>Global and Planetary Change</i> , 2015 , 131, 115-123	4.2	36
53	Lagged influence of Atlantic and Pacific climate patterns on European extreme precipitation. <i>Scientific Reports</i> , 2018 , 8, 5748	4.9	34
52	Streamflow drought severity analysis by percent of normal index (PNI) in northwest Iran. <i>Theoretical and Applied Climatology</i> , 2013 , 112, 565-573	3	34
51	Prediction of monthly discharge volume by different artificial neural network algorithms in semi-arid regions. <i>Arabian Journal of Geosciences</i> , 2013 , 6, 2529-2537	1.8	31
50	Predicting Spatial Distribution of Snow Water Equivalent Using Multivariate Non-linear Regression and Computational Intelligence Methods. <i>Water Resources Management</i> , 2011 , 25, 1417-1435	3.7	31
49	The CORDEX.be initiative as a foundation for climate services in Belgium. <i>Climate Services</i> , 2018 , 11, 49-61	3.18	31
48	Decadal Analysis of River Flow Extremes Using Quantile-Based Approaches. <i>Water Resources Management</i> , 2017 , 31, 3371-3387	3.7	30

47	More prolonged droughts by the end of the century in the Middle East. <i>Environmental Research Letters</i> , 2018 , 13, 104005	6.2	30
46	Precipitation intensity-duration-frequency curves for central Belgium with an ensemble of EURO-CORDEX simulations, and associated uncertainties. <i>Atmospheric Research</i> , 2018 , 200, 1-12	5.4	29
45	Latitudinal heterogeneity and hotspots of uncertainty in projected extreme precipitation. <i>Environmental Research Letters</i> , 2019 , 14, 124032	6.2	29
44	Multilayer perceptron for reference evapotranspiration estimation in a semiarid region. <i>Neural Computing and Applications</i> , 2013 , 23, 341-348	4.8	28
43	Climate change impact on precipitation and cardinal temperatures in different climatic zones in Iran: analyzing the probable effects on cereal water-use efficiency. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2121-2146	3.5	25
42	MLP-based drought forecasting in different climatic regions. <i>Theoretical and Applied Climatology</i> , 2012 , 109, 407-414	3	25
41	Application of PSO algorithm in short-term optimization of reservoir operation. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 667	3.1	24
40	Pan evaporation and reference evapotranspiration trend detection in western Iran with consideration of data persistence 2014 , 45, 213-225		24
39	Analyses, calibration and validation of evapotranspiration models to predict grass-reference evapotranspiration in the Senegal river delta. <i>Journal of Hydrology: Regional Studies</i> , 2016 , 8, 82-94	3.6	24
38	Seasonally varying footprint of climate change on precipitation in the Middle East. <i>Scientific Reports</i> , 2018 , 8, 4435	4.9	23
37	Extreme value analysis dilemma for climate change impact assessment on global flood and extreme precipitation. <i>Journal of Hydrology</i> , 2021 , 593, 125932	6	22
36	Extreme streamflow drought in the Karkheh river basin (Iran): probabilistic and regional analyses. <i>Natural Hazards</i> , 2015 , 76, 327-346	3	19
35	Impact of the North Atlantic Oscillation on streamflow in Western Iran. <i>Hydrological Processes</i> , 2014 , 28, 4411-4418	3.3	18
34	Investigation of spatial variability and pattern analysis of soil properties in the northwest of Iran. <i>Environmental Earth Sciences</i> , 2011 , 64, 1849-1864	2.9	18
33	Multidecadal convection permitting climate simulations over Belgium: sensitivity of future precipitation extremes. <i>Atmospheric Science Letters</i> , 2017 , 18, 29-36	2.4	16
32	Decadal variability analysis of extreme precipitation in Turkey and its relationship with teleconnection patterns. <i>Hydrological Processes</i> , 2018 , 32, 3513-3528	3.3	16
31	Validation and calibration of solar radiation equations for estimating daily reference evapotranspiration at cool semi-arid and arid locations. <i>Hydrological Sciences Journal</i> , 2016 , 61, 610-619	3.5	15
30	Daily Precipitation Extremes in Iran: Decadal Anomalies and Possible Drivers. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 541-559	2.1	15

29	Quantification of uncertainty in reference evapotranspiration climate change signals in Belgium 2017 , 48, 1391-1401		13
28	Possible influences of North Atlantic Oscillation on winter reference evapotranspiration in Iran. <i>Global and Planetary Change</i> , 2014 , 117, 28-39	4.2	13
27	Evaluation of Valiantzas Simplified Forms of the FAO-56 Penman-Monteith Reference Evapotranspiration Model in a Humid Climate. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 06017005	1.1	12
26	Markov Chains of Different Orders for Streamflow Drought Analysis. <i>Water Resources Management</i> , 2015 , 29, 3441-3457	3.7	12
25	Evaluation of precipitation and river discharge variations over southwestern Iran during recent decades. <i>Journal of Earth System Science</i> , 2015 , 124, 335-352	1.8	12
24	Observed changes in relative humidity and dew point temperature in coastal regions of Iran. <i>Theoretical and Applied Climatology</i> , 2012 , 110, 385-393	3	12
23	Regionalization of anthropogenically forced changes in 3 hourly extreme precipitation over Europe. <i>Environmental Research Letters</i> , 2019 , 14, 124031	6.2	11
22	Numerical Model and Computational Intelligence Approaches for Estimating Flow through Rockfill Dam. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012 , 17, 528-536	1.8	11
21	The contribution of anthropogenic influence to more anomalous extreme precipitation in Europe. <i>Environmental Research Letters</i> , 2020 , 15, 104077	6.2	11
20	Climate change impact assessment on pluvial flooding using a distribution-based bias correction of regional climate model simulations. <i>Journal of Hydrology</i> , 2021 , 598, 126239	6	11
19	Satellite-based data driven quantification of pluvial floods over Europe under future climatic and socioeconomic changes. <i>Science of the Total Environment</i> , 2020 , 721, 137688	10.2	10
18	Combined Use of Graphical and Statistical Approaches for Analyzing Historical Precipitation Changes in the Black Sea Region of Turkey. <i>Water (Switzerland)</i> , 2020 , 12, 705	3	10
17	Spatial modelling of reference evapotranspiration using adjusted Blaney-Criddle equation in an arid environment. <i>Hydrological Sciences Journal</i> , 2013 , 58, 408-420	3.5	10
16	Comparison of statistical downscaling methods for climate change impact analysis on precipitation-driven drought. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 3493-3517	5.5	10
15	Atmospheric and human-induced impacts on temporal variability of water level extremes in the Taihu Basin, China. <i>Journal of Flood Risk Management</i> , 2019 , 12,	3.1	7
14	Amplified Drought and Flood Risk Under Future Socioeconomic and Climatic Change. <i>Earth's Future</i> , 2021 , 9, e2021EF002295	7.9	7
13	Unraveling the Role of Human Activities and Climate Variability in Water Level Changes in the Taihu Plain Using Artificial Neural Network. <i>Water (Switzerland)</i> , 2019 , 11, 720	3	6
12	Reconstruction of river water quality missing data using artificial neural networks. <i>Water Quality Research Journal of Canada</i> , 2015 , 50, 326-335	1.7	6

11	Observed and Future Precipitation and Evapotranspiration in Water Management Zones of Uganda: CMIP6 Projections. <i>Atmosphere</i> , 2021 , 12, 887	2.7	6
10	Hydrological Hazards in a Changing Environment: Early Warning, Forecasting, and Impact Assessment. <i>Advances in Meteorology</i> , 2016 , 2016, 1-2	1.7	6
9	Links between Arctic Oscillation (AO) and inter-annual variability of Iranian evapotranspiration. <i>Quaternary International</i> , 2014 , 345, 148-157	2	4
8	Anomalous Extreme Rainfall Variability Over Europe [Interaction Between Climate Variability and Climate Change. <i>Green Energy and Technology</i> , 2019 , 375-379	0.6	3
7	Developing a framework for attribution analysis of urban pluvial flooding to human-induced climate impacts. <i>Journal of Hydrology</i> , 2021 , 598, 126352	6	3
6	Spatio-temporal analysis of heating and cooling degree-days over Iran. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	2
5	Reply to discussion of [Extreme streamflow drought in the Karkheh river basin (Iran): probabilistic and regional analyses] <i>Natural Hazards</i> , 2016 , 80, 19-22	3	1
4	Runoff Simulation Under Future Climate Change Conditions: Performance Comparison of Data-Mining Algorithms and Conceptual Models. <i>Water Resources Management</i> , 2022 , 36, 1191-1215	3.7	1
3	Trivariate Analysis of Changes in Drought Characteristics in the CMIP6 Multi-Model Ensemble at Global Warming Levels of 1.5, 2 and 3 °C. <i>Journal of Climate</i> , 2022 , 1-32	4.4	1
2	Peer review report 2 on [Water balance in the complex mountainous terrain of Bhutan and linkages to land use] <i>Journal of Hydrology: Regional Studies</i> , 2017 , 9, 138	3.6	
1	Drought across East Africa under climate variability 2022 , 159-173		