Hossein Tabari

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.

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	Runoff Simulation Under Future Climate Change Conditions: Performance Comparison of Data-Mining Algorithms and Conceptual Models. *Water Resources Management*, **2022**, 36, 1191-1215	3.7	1
99	Trivariate Analysis of Changes in Drought Characteristics in the CMIP6 Multi-Model Ensemble at Global Warming Levels of 1.5, 2 and 3 °C. *Journal of Climate*, **2022**, 1-32	4.4	1
98	Drought across East Africa under climate variability **2022**, 159-173		
97	Amplified Drought and Flood Risk Under Future Socioeconomic and Climatic Change. *Earth's Future*, **2021**, 9, e2021EF002295	7.9	7
96	Comparison of statistical downscaling methods for climate change impact analysis on precipitation-driven drought. *Hydrology and Earth System Sciences*, **2021**, 25, 3493-3517	5.5	10
95	Observed and Future Precipitation and Evapotranspiration in Water Management Zones of Uganda: CMIP6 Projections. *Atmosphere*, **2021**, 12, 887	2.7	6
94	Climate change impact assessment on pluvial flooding using a distribution-based bias correction of regional climate model simulations. *Journal of Hydrology*, **2021**, 598, 126239	6	11
93	Extreme value analysis dilemma for climate change impact assessment on global flood and extreme precipitation. *Journal of Hydrology*, **2021**, 593, 125932	6	22
92	Developing a framework for attribution analysis of urban pluvial flooding to human-induced climate impacts. *Journal of Hydrology*, **2021**, 598, 126352	6	3
91	Satellite-based data driven quantification of pluvial floods over Europe under future climatic and socioeconomic changes. *Science of the Total Environment*, **2020**, 721, 137688	10.2	10
90	Climate change impact on short-duration extreme precipitation and intensity–duration–frequency curves over Europe. *Journal of Hydrology*, **2020**, 590, 125249	6	45
89	Combined Use of Graphical and Statistical Approaches for Analyzing Historical Precipitation Changes in the Black Sea Region of Turkey. *Water (Switzerland)*, **2020**, 12, 705	3	10
88	The contribution of anthropogenic influence to more anomalous extreme precipitation in Europe. *Environmental Research Letters*, **2020**, 15, 104077	6.2	11
87	Climate change impact on flood and extreme precipitation increases with water availability. *Scientific Reports*, **2020**, 10, 13768	4.9	111
86	Innovative trend analysis of annual and seasonal rainfall in the Yangtze River Delta, eastern China. *Atmospheric Research*, **2020**, 231, 104673	5.4	65
85	Unraveling the Role of Human Activities and Climate Variability in Water Level Changes in the Taihu Plain Using Artificial Neural Network. *Water (Switzerland)*, **2019**, 11, 720	3	6
84	Atmospheric and human-induced impacts on temporal variability of water level extremes in the Taihu Basin, China. *Journal of Flood Risk Management*, **2019**, 12,	3.1	7

83	Latitudinal heterogeneity and hotspots of uncertainty in projected extreme precipitation. *Environmental Research Letters*, **2019**, 14, 124032	6.2	29
82	Regionalization of anthropogenically forced changes in 3 hourly extreme precipitation over Europe. *Environmental Research Letters*, **2019**, 14, 124031	6.2	11
81	Anomalous Extreme Rainfall Variability Over Europe Interaction Between Climate Variability and Climate Change. *Green Energy and Technology*, **2019**, 375-379	0.6	3
80	Seasonally varying footprint of climate change on precipitation in the Middle East. *Scientific Reports* , **2018**, 8, 4435	4.9	23
79	Precipitation intensity Duration Frequency curves for central Belgium with an ensemble of EURO-CORDEX simulations, and associated uncertainties. *Atmospheric Research*, **2018**, 200, 1-12	5.4	29
78	Lagged influence of Atlantic and Pacific climate patterns on European extreme precipitation. *Scientific Reports*, **2018**, 8, 5748	4.9	34
77	Decadal variability analysis of extreme precipitation in Turkey and its relationship with teleconnection patterns. *Hydrological Processes*, **2018**, 32, 3513-3528	3.3	16
76	More prolonged droughts by the end of the century in the Middle East. *Environmental Research Letters*, **2018**, 13, 104005	6.2	30
75	The CORDEX.be initiative as a foundation for climate services in Belgium. *Climate Services*, **2018**, 11, 49-61	3.8	31
74	Peer review report 2 on Water balance in the complex mountainous terrain of Bhutan and linkages to land use *Journal of Hydrology: Regional Studies*, **2017**, 9, 138	3.6	
73	Multidecadal convection permitting climate simulations over Belgium: sensitivity of future precipitation extremes. *Atmospheric Science Letters*, **2017**, 18, 29-36	2.4	16
72	Uncertainty assessment for climate change impact on intense precipitation: how many model runs do we need?. *International Journal of Climatology*, **2017**, 37, 1105-1117	3.5	49
71	Decadal Analysis of River Flow Extremes Using Quantile-Based Approaches. *Water Resources Management*, **2017**, 31, 3371-3387	3.7	30
70	Evaluation of Valiantzas Simplified Forms of the FAO-56 Penman-Monteith Reference Evapotranspiration Model in a Humid Climate. *Journal of Irrigation and Drainage Engineering - ASCE*, **2017**, 143, 06017005	1.1	12
69	Quantification of uncertainty in reference evapotranspiration climate change signals in Belgium **2017**, 48, 1391-1401		13
68	Heat stress increase under climate change twice as large in cities as in rural areas: A study for a densely populated midlatitude maritime region. *Geophysical Research Letters*, **2017**, 44, 8997-9007	4.9	80
67	Climate change impact on precipitation and cardinal temperatures in different climatic zones in Iran: analyzing the probable effects on cereal water-use efficiency. *Stochastic Environmental Research and Risk Assessment*, **2017**, 31, 2121-2146	3.5	25
66	Validation and calibration of solar radiation equations for estimating daily reference evapotranspiration at cool semi-arid and arid locations. *Hydrological Sciences Journal*, **2016**, 61, 610-619	3.5	15

65	Application of PSO algorithm in short-term optimization of reservoir operation. *Environmental Monitoring and Assessment*, **2016**, 188, 667	3.1	24
64	Daily Precipitation Extremes in Iran: Decadal Anomalies and Possible Drivers. *Journal of the American Water Resources Association*, **2016**, 52, 541-559	2.1	15
63	Comparison of different statistical downscaling methods for climate change rainfall projections over the Lake Victoria basin considering CMIP3 and CMIP5. *Journal of Hydro-Environment Research*, **2016**, 12, 31-45	2.3	58
62	Reply to discussion of Extreme streamflow drought in the Karkheh river basin (Iran): probabilistic and regional analyses *Natural Hazards*, **2016**, 80, 19-22	3	1
61	Analyses of rainfall trends in the Nile River Basin. *Journal of Hydro-Environment Research*, **2016**, 13, 36-51	2.3	50
60	Local impact analysis of climate change on precipitation extremes: are high-resolution climate models needed for realistic simulations?. *Hydrology and Earth System Sciences*, **2016**, 20, 3843-3857	5.5	40
59	Hydrological Hazards in a Changing Environment: Early Warning, Forecasting, and Impact Assessment. *Advances in Meteorology*, **2016**, 2016, 1-2	1.7	6
58	Analyses, calibration and validation of evapotranspiration models to predict grass-reference evapotranspiration in the Senegal river delta. *Journal of Hydrology: Regional Studies*, **2016**, 8, 82-94	3.6	24
57	Water availability change in central Belgium for the late 21st century. *Global and Planetary Change*, **2015**, 131, 115-123	4.2	36
56	Markov Chains of Different Orders for Streamflow Drought Analysis. *Water Resources Management*, **2015**, 29, 3441-3457	3.7	12
55	Statistical assessment of precipitation trends in the upper Blue Nile River basin. *Stochastic Environmental Research and Risk Assessment*, **2015**, 29, 1751-1761	3.5	83
54	Evaluation of precipitation and river discharge variations over southwestern Iran during recent decades. *Journal of Earth System Science*, **2015**, 124, 335-352	1.8	12
53	Short-term forecasting of soil temperature using artificial neural network. *Meteorological Applications*, **2015**, 22, 576-585	2.1	46
52	Reconstruction of river water quality missing data using artificial neural networks. *Water Quality Research Journal of Canada*, **2015**, 50, 326-335	1.7	6
51	Extreme streamflow drought in the Karkheh river basin (Iran): probabilistic and regional analyses. *Natural Hazards*, **2015**, 76, 327-346	3	19
50	Sensitivity of evapotranspiration to climatic change in different climates. *Global and Planetary Change*, **2014**, 115, 16-23	4.2	51
49	Hydrological drought in the west of Iran and possible association with large-scale atmospheric circulation patterns. *Hydrological Processes*, **2014**, 28, 764-773	3.3	43
48	A perturbation approach for assessing trends in precipitation extremes across Iran. *Journal of Hydrology*, **2014**, 519, 1420-1427	6	37

47	A survey of temperature and precipitation based aridity indices in Iran. *Quaternary International*, **2014**, 345, 158-166	2	69
46	Possible influences of North Atlantic Oscillation on winter reference evapotranspiration in Iran. *Global and Planetary Change*, **2014**, 117, 28-39	4.2	13
45	Links between Arctic Oscillation (AO) and inter-annual variability of Iranian evapotranspiration. *Quaternary International*, **2014**, 345, 148-157	2	4
44	Pan evaporation and reference evapotranspiration trend detection in western Iran with consideration of data persistence **2014**, 45, 213-225		24
43	Impact of the North Atlantic Oscillation on streamflow in Western Iran. *Hydrological Processes*, **2014**, 28, 4411-4418	3.3	18
42	Flood flow forecasting using ANN, ANFIS and regression models. *Neural Computing and Applications* , **2014**, 25, 25-37	4.8	111
41	Temporal pattern of aridity index in Iran with considering precipitation and evapotranspiration trends. *International Journal of Climatology*, **2013**, 33, 396-409	3.5	101
40	Assessment of a conceptual hydrological model and artificial neural networks for daily outflows forecasting. *International Journal of Environmental Science and Technology*, **2013**, 10, 1181-1192	3.3	48
39	River flow trends in the west of Iran during the past 40years: Impact of precipitation variability. *Global and Planetary Change*, **2013**, 101, 52-60	4.2	48
38	Prediction of monthly discharge volume by different artificial neural network algorithms in semi-arid regions. *Arabian Journal of Geosciences*, **2013**, 6, 2529-2537	1.8	31
37	Multilayer perceptron for reference evapotranspiration estimation in a semiarid region. *Neural Computing and Applications*, **2013**, 23, 341-348	4.8	28
36	Applicability of support vector machines and adaptive neurofuzzy inference system for modeling potato crop evapotranspiration. *Irrigation Science*, **2013**, 31, 575-588	3.1	40
35	Streamflow drought severity analysis by percent of normal index (PNI) in northwest Iran. *Theoretical and Applied Climatology*, **2013**, 112, 565-573	3	34
34	Spatiotemporal trends of aridity index in arid and semi-arid regions of Iran. *Theoretical and Applied Climatology*, **2013**, 111, 149-160	3	48
33	Hydrological Drought Assessment in Northwestern Iran Based on Streamflow Drought Index (SDI). *Water Resources Management*, **2013**, 27, 137-151	3.7	110
32	Comparative analysis of 31 reference evapotranspiration methods under humid conditions. *Irrigation Science*, **2013**, 31, 107-117	3.1	192
31	Moisture index for Iran: Spatial and temporal analyses. *Global and Planetary Change*, **2013**, 100, 11-19	4.2	41
30	Spatial modelling of reference evapotranspiration using adjusted Blaney-Criddle equation in an arid environment. *Hydrological Sciences Journal*, **2013**, 58, 408-420	3.5	10

29	SVM, ANFIS, regression and climate based models for reference evapotranspiration modeling using limited climatic data in a semi-arid highland environment. *Journal of Hydrology*, **2012**, 444-445, 78-89	6	161
28	Spatial distribution and temporal variation of reference evapotranspiration in arid and semi-arid regions of Iran. *Hydrological Processes*, **2012**, 26, 500-512	3.3	69
27	Temporal trends and spatial characteristics of drought and rainfall in arid and semiarid regions of Iran. *Hydrological Processes*, **2012**, 26, 3351-3361	3.3	150
26	Spatiotemporal trends and change point of precipitation in Iran. *Atmospheric Research*, **2012**, 113, 1-12	5.4	163
25	Observed changes in relative humidity and dew point temperature in coastal regions of Iran. *Theoretical and Applied Climatology*, **2012**, 110, 385-393	3	12
24	MLP-based drought forecasting in different climatic regions. *Theoretical and Applied Climatology*, **2012**, 109, 407-414	3	25
23	Identification of Trend in Reference Evapotranspiration Series with Serial Dependence in Iran. *Water Resources Management*, **2012**, 26, 2219-2232	3.7	49
22	Investigation of groundwater level fluctuations in the north of Iran. *Environmental Earth Sciences*, **2012**, 66, 231-243	2.9	57
21	Utility of coactive neuro-fuzzy inference system for pan evaporation modeling in comparison with multilayer perceptron. *Meteorology and Atmospheric Physics*, **2012**, 116, 147-154	2	42
20	Shift changes and monotonic trends in autocorrelated temperature series over Iran. *Theoretical and Applied Climatology*, **2012**, 109, 95-108	3	63
19	Numerical Model and Computational Intelligence Approaches for Estimating Flow through Rockfill Dam. *Journal of Hydrologic Engineering - ASCE*, **2012**, 17, 528-536	1.8	11
18	Testing for long-term trends in climatic variables in Iran. *Atmospheric Research*, **2011**, 100, 132-140	5.4	231
17	Trend analysis of reference evapotranspiration in the western half of Iran. *Agricultural and Forest Meteorology*, **2011**, 151, 128-136	5.8	255
16	Analysis of trends in temperature data in arid and semi-arid regions of Iran. *Global and Planetary Change*, **2011**, 79, 1-10	4.2	154
15	Temporal variability of precipitation over Iran: 1966–2005. *Journal of Hydrology*, **2011**, 396, 313-320	6	277
14	Long-term variations of water quality parameters in the Maroon River, Iran. *Environmental Monitoring and Assessment*, **2011**, 177, 273-87	3.1	59
13	Changes of Pan Evaporation in the West of Iran. *Water Resources Management*, **2011**, 25, 97-111	3.7	101
12	Predicting Spatial Distribution of Snow Water Equivalent Using Multivariate Non-linear Regression and Computational Intelligence Methods. *Water Resources Management*, **2011**, 25, 1417-1435	3.7	31

11	Comparison of artificial neural network and multivariate linear regression methods for estimation of daily soil temperature in an arid region. *Meteorology and Atmospheric Physics*, **2011**, 110, 135-142	2	83
10	Recent trends of mean maximum and minimum air temperatures in the western half of Iran. *Meteorology and Atmospheric Physics*, **2011**, 111, 121-131	2	85
9	Investigation of spatial variability and pattern analysis of soil properties in the northwest of Iran. *Environmental Earth Sciences*, **2011**, 64, 1849-1864	2.9	18
8	ENSO teleconnection impacts on reference evapotranspiration variability in some warm climates of Iran. *International Journal of Climatology*, **2011**, 31, 1710-1723	3.5	39
7	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. *Journal of Hydrologic Engineering - ASCE*, **2011**, 16, 837-845	1.8	84
6	Regional Estimation of Reference Evapotranspiration in Arid and Semiarid Regions. *Journal of Irrigation and Drainage Engineering - ASCE*, **2010**, 136, 724-731	1.1	51
5	Estimation of daily pan evaporation using artificial neural network and multivariate non-linear regression. *Irrigation Science*, **2010**, 28, 399-406	3.1	111
4	Comparison of artificial neural network and combined models in estimating spatial distribution of snow depth and snow water equivalent in Samsami basin of Iran. *Neural Computing and Applications* , **2010**, 19, 625-635	4.8	37
3	Evaluation of Class A Pan Coefficient Models for Estimation of Reference Crop Evapotranspiration in Cold Semi-Arid and Warm Arid Climates. *Water Resources Management*, **2010**, 24, 909-920	3.7	72
2	Evaluation of Reference Crop Evapotranspiration Equations in Various Climates. *Water Resources Management*, **2010**, 24, 2311-2337	3.7	117
1	Spatio-temporal analysis of heating and cooling degree-days over Iran. *Stochastic Environmental Research and Risk Assessment*,1	3.5	2