

Ercan Kahya

List of Publications by Year in descending order

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66
papers

4,640
citations

159585

30
h-index

102487

66
g-index

67
all docs

67
docs citations

67
times ranked

3935
citing authors

#	ARTICLE	IF	CITATIONS
1	Trend analysis in Turkish precipitation data. <i>Hydrological Processes</i> , 2006, 20, 2011-2026.	2.6	749
2	Trend analysis of streamflow in Turkey. <i>Journal of Hydrology</i> , 2004, 289, 128-144.	5.4	472
3	Trends in reference crop evapotranspiration over Iran. <i>Journal of Hydrology</i> , 2011, 399, 422-433.	5.4	323
4	U.S. streamflow patterns in relation to the El Niño/Southern Oscillation. <i>Water Resources Research</i> , 1993, 29, 2491-2503.	4.2	285
5	Mapping of groundwater potential zones in the Musi basin using remote sensing data and GIS. <i>Advances in Engineering Software</i> , 2009, 40, 506-518.	3.8	212
6	Trends in reference evapotranspiration in the humid region of northeast India. <i>Hydrological Processes</i> , 2012, 26, 421-435.	2.6	197
7	The relationships between U.S. streamflow and La Niña Events. <i>Water Resources Research</i> , 1994, 30, 2133-2141.	4.2	145
8	Identification of trends in hydrological and climatic variables in Urmia Lake basin, Iran. <i>Theoretical and Applied Climatology</i> , 2015, 119, 443-464.	2.8	144
9	Streamflow prediction using linear genetic programming in comparison with a neuro-wavelet technique. <i>Journal of Hydrology</i> , 2013, 505, 240-249.	5.4	137
10	Flow forecast by SWAT model and ANN in Pracana basin, Portugal. <i>Advances in Engineering Software</i> , 2009, 40, 467-473.	3.8	136
11	Genetic programming in water resources engineering: A state-of-the-art review. <i>Journal of Hydrology</i> , 2018, 566, 643-667.	5.4	110
12	Climate change impacts on meteorological drought using SPI and SPEI: case study of Ankara, Turkey. <i>Hydrological Sciences Journal</i> , 2020, 65, 254-268.	2.6	105
13	The Influences of Type 1 El Niño and La Niña Events on Streamflows in the Pacific Southwest of the United States. <i>Journal of Climate</i> , 1994, 7, 965-976.	3.2	94
14	Trends in temperature over Godavari River basin in Southern Peninsular India. <i>International Journal of Climatology</i> , 2014, 34, 1369-1384.	3.5	87
15	Successive-station monthly streamflow prediction using different artificial neural network algorithms. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2191-2200.	3.5	83
16	A geneâ€wavelet model for long lead time drought forecasting. <i>Journal of Hydrology</i> , 2014, 517, 691-699.	5.4	82
17	Application of SAW and TOPSIS in Prioritizing Watersheds. <i>Water Resources Management</i> , 2020, 34, 715-732.	3.9	71
18	The influences of the Southern and North Atlantic Oscillations on climatic surface variables in Turkey. <i>Hydrological Processes</i> , 2005, 19, 1185-1211.	2.6	68

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19	The analysis of El Niño and La Niña signals in streamflows of Turkey. <i>International Journal of Climatology</i> , 2001, 21, 1231-1250.	3.5	60
20	A Pareto-optimal moving average multigene genetic programming model for daily streamflow prediction. <i>Journal of Hydrology</i> , 2017, 549, 603-615.	5.4	54
21	North Atlantic Oscillation influences on Turkish lake levels. <i>Hydrological Processes</i> , 2009, 23, 893-906.	2.6	52
22	Daily precipitation predictions using three different wavelet neural network algorithms by meteorological data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1317-1329.	4.0	51
23	Long-term temperature trend analysis associated with agriculture crops. <i>Theoretical and Applied Climatology</i> , 2020, 140, 1139-1159.	2.8	48
24	Assessment of streamflow variability modes in Turkey: 1964–1994. <i>Journal of Hydrology</i> , 2006, 324, 163-177.	5.4	47
25	Analyses of the Persian Gulf sea surface temperature: prediction and detection of climate change signals. <i>Arabian Journal of Geosciences</i> , 2015, 8, 2121-2130.	1.3	45
26	Linear genetic programming application for successive-station monthly streamflow prediction. <i>Computers and Geosciences</i> , 2014, 70, 63-72.	4.2	44
27	The teleconnections between the extreme phases of the southern oscillation and precipitation patterns over Turkey. <i>International Journal of Climatology</i> , 2003, 23, 1607-1625.	3.5	42
28	Homogeneity revisited: analysis of updated precipitation series in Turkey. <i>Theoretical and Applied Climatology</i> , 2019, 135, 211-220.	2.8	41
29	Analysis of Turkish precipitation data: homogeneity and the Southern Oscillation forcings on frequency distributions. <i>Hydrological Processes</i> , 2007, 21, 3203-3210.	2.6	39
30	Successive-station monthly streamflow prediction using neuro-wavelet technique. <i>Earth Science Informatics</i> , 2014, 7, 217-229.	3.2	37
31	Rectangular side weirs discharge coefficient estimation in circular channels using linear genetic programming approach. <i>Journal of Hydroinformatics</i> , 2014, 16, 1318-1330.	2.4	34
32	Hydrological and agricultural droughts assessment in a semi-arid basin: Inspecting the teleconnections of climate indices on a catchment scale. <i>Agricultural Water Management</i> , 2019, 217, 413-425.	5.6	32
33	Daily streamflow modelling using autoregressive moving average and artificial neural networks models: case study of Çoruh basin, Turkey. <i>Water and Environment Journal</i> , 2012, 26, 567-576.	2.2	30
34	NSM analysis of time-dependent nonlinear buoyancy-driven double-diffusive radiative convection flow in non-Darcy geological porous media. <i>Acta Mechanica</i> , 2009, 202, 181-204.	2.1	29
35	Climate Change Impacts on Catchment-Scale Extreme Rainfall Variability: Case Study of Rize Province, Turkey. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	1.9	28
36	Construction of prediction intervals for Palmer Drought Severity Index using bootstrap. <i>Journal of Hydrology</i> , 2018, 559, 461-470.	5.4	28

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37	Streamflow Regionalization: Case Study of Turkey. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 205-214.	1.9	27
38	The Impacts of NAO on the Hydrology of the Eastern Mediterranean. <i>Advances in Global Change Research</i> , 2011, , 57-71.	1.6	26
39	Deep learning under H2O framework: A novel approach for quantitative analysis of discharge coefficient in sluice gates. <i>Journal of Hydroinformatics</i> , 2020, 22, 1603-1619.	2.4	26
40	Critical Drought Analysis: Case Study of Gksu River (Turkey) and North Atlantic Oscillation Influences. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 795-802.	1.9	25
41	Hydrological drought associations with extreme phases of the North Atlantic and Arctic Oscillations over Turkey and northern Iran. <i>International Journal of Climatology</i> , 2018, 38, 4459-4475.	3.5	22
42	Bivariate Risk Analysis of Droughts Using a Nonparametric Multivariate Standardized Drought Index and Copulas. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	1.9	22
43	The links between the categorised Southern Oscillation indicators and climate and hydrologic variables in Turkey. <i>Hydrological Processes</i> , 2009, 23, 1927-1936.	2.6	20
44	The Feasibility of Multi-Criteria Decision Making Approach for Prioritization of Sensitive Area at Risk of Water Erosion. <i>Water Resources Management</i> , 2020, 34, 4665-4685.	3.9	20
45	Evaluation of spatial and temporal relationships between large-scale atmospheric oscillations and meteorological drought indexes in Turkey. <i>International Journal of Climatology</i> , 2018, 38, 4579-4596.	3.5	18
46	Climate change projections of rainfall and its impact on the cropland suitability for rice and wheat crops in the Sone river command, Bihar. <i>Theoretical and Applied Climatology</i> , 2020, 142, 433-451.	2.8	18
47	Drought analysis in the Tons River Basin, India during 1969-2008. <i>Theoretical and Applied Climatology</i> , 2018, 132, 939-951.	2.8	17
48	Determination of flood risk: A case study in the rainiest city of Turkey. <i>Environmental Modelling and Software</i> , 2017, 93, 296-309.	4.5	16
49	Temporal trends in precipitation using spatial techniques in GIS over Urmia Lake Basin, Iran. <i>International Journal of Hydrology Science and Technology</i> , 2016, 6, 62.	0.3	14
50	Grid-based performance evaluation of GCM-RCM combinations for rainfall reproduction. <i>Theoretical and Applied Climatology</i> , 2017, 129, 47-57.	2.8	14
51	Trends in pan evaporation and climate variables in Iran. <i>Theoretical and Applied Climatology</i> , 2020, 142, 407-432.	2.8	14
52	Validation of an ANN Flow Prediction Model Using a Multistation Cluster Analysis. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 262-271.	1.9	13
53	Assessing erosion prone areas in a watershed using interval rough-analytical hierarchy process (IR-AHP) and fuzzy logic (FL). <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 297-312.	4.0	13
54	Continuous monitoring of suspended sediment concentrations using image analytics and deriving inherent correlations by machine learning. <i>Scientific Reports</i> , 2020, 10, 8589.	3.3	12

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55	Entropy analysis and pattern recognition in rainfall data, north Algeria. Theoretical and Applied Climatology, 2021, 144, 317-326.	2.8	11
56	Spatiotemporal analysis of air temperature indices, aridity conditions, and precipitation in Iran. Theoretical and Applied Climatology, 2021, 145, 703-716.	2.8	9
57	Impacts of climate change on intensityâ€‘durationâ€‘frequency curves in the rainiest city (Rize) of Turkey. Theoretical and Applied Climatology, 2021, 144, 1017-1030.	2.8	8
58	Monthly precipitation assessments in association with atmospheric circulation indices by using tree-based models. Natural Hazards, 2020, 102, 1077-1094.	3.4	7
59	Projection of Temperature and Precipitation in Southern Iran Using ECHAM5 Simulations. Iranian Journal of Science and Technology, Transaction A: Science, 2016, 40, 39-49.	1.5	6
60	Hydrological model optimization using multi-gauge calibration (MGC) in a mountainous region. Journal of Hydroinformatics, 2021, 23, 340-351.	2.4	4
61	The relationship between ENSO events and California streamflows. AIP Conference Proceedings, 1992, , .	0.4	2
62	Definition of the best probability distribution functions for annual minimum flows in the rivers of the Upper Euphrates River Basin, Turkey. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012166.	0.6	2
63	Temporal connections in reconstructed monthly rainfall time series in different rainfall regimes of Turkey. Arabian Journal of Geosciences, 2022, 15, .	1.3	2
64	Discussion of â€‘Hydrologic Regionalization of Watersheds in Turkeyâ€‘by Sabahattin Isik and Vijay P. Singh. Journal of Hydrologic Engineering - ASCE, 2009, 14, 767-768.	1.9	1
65	Risk Assessment of Fuel Supply Pipelines: Kalecik Power Plant Case Study. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	1.6	1
66	Performance of gridded precipitation products in the Black Sea region for hydrological studies. Theoretical and Applied Climatology, 2022, 149, 465-485.	2.8	1