Ercan Kahya

List of Publications by Year
in descending order

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66 papers	4,640 citations	159358 30 h-index	102304 66 g-index
67 all docs	67 docs citations	67 times ranked	3935 citing authors

#	Article	IF	Citations
1	Assessing erosion prone areas in a watershed using interval rough-analytical hierarchy process (IR-AHP) and fuzzy logic (FL). Stochastic Environmental Research and Risk Assessment, 2022, 36, 297-312.	1.9	13
2	Performance of gridded precipitation products in the Black Sea region for hydrological studies. Theoretical and Applied Climatology, 2022, 149, 465-485.	1.3	1
3	Temporal connections in reconstructed monthly rainfall time series in different rainfall regimes of Turkey. Arabian Journal of Geosciences, 2022, 15, .	0.6	2
4	Entropy analysis and pattern recognition in rainfall data, north Algeria. Theoretical and Applied Climatology, 2021, 144, 317-326.	1.3	11
5	Impacts of climate change on intensityâ€“durationâ€“frequency curves in the rainiest city (Rize) of Turkey. Theoretical and Applied Climatology, 2021, 144, 1017-1030.	1.3	8
6	Spatiotemporal analysis of air temperature indices, aridity conditions, and precipitation in Iran. Theoretical and Applied Climatology, 2021, 145, 703-716.	1.3	9
7	Hydrological model optimization using multi-gauge calibration (MGC) in a mountainous region. Journal of Hydroinformatics, 2021, 23, 340-351.	1.1	4
8	Climate change impacts on meteorological drought using SPI and SPEI: case study of Ankara, Turkey. Hydrological Sciences Journal, 2020, 65, 254-268.	1.2	105
9	Application of SAW and TOPSIS in Prioritizing Watersheds. Water Resources Management, 2020, 34, 715-732.	1.9	71
10	Climate change projections of rainfall and its impact on the cropland suitability for rice and wheat crops in the Sone river command, Bihar. Theoretical and Applied Climatology, 2020, 142, 433-451.	1.3	18
11	Trends in pan evaporation and climate variables in Iran. Theoretical and Applied Climatology, 2020, 142, 407-432.	1.3	14
12	Risk Assessment of Fuel Supply Pipelines: Kalecik Power Plant Case Study. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	0.9	1
13	The Feasibility of Multi-Criteria Decision Making Approach for Prioritization of Sensitive Area at Risk of Water Erosion. Water Resources Management, 2020, 34, 4665-4685.	1.9	20
14	Long-term temperature trend analysis associated with agriculture crops. Theoretical and Applied Climatology, 2020, 140, 1139-1159.	1.3	48
15	Monthly precipitation assessments in association with atmospheric circulation indices by using tree-based models. Natural Hazards, 2020, 102, 1077-1094.	1.6	7
16	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.	0.3	2
17	Continuous monitoring of suspended sediment concentrations using image analytics and deriving inherent correlations by machine learning. Scientific Reports, 2020, 10, 8589.	1.6	12
18	Deep learning under H2O framework: A novel approach for quantitative analysis of discharge coefficient in sluice gates. Journal of Hydroinformatics, 2020, 22, 1603-1619.	1.1	26

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19	Bivariate Risk Analysis of Droughts Using a Nonparametric Multivariate Standardized Drought Index and Copulas. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	22
20	Hydrological and agricultural droughts assessment in a semi-arid basin: Inspecting the teleconnections of climate indices on a catchment scale. Agricultural Water Management, 2019, 217, 413-425.	2.4	32
21	Homogeneity revisited: analysis of updated precipitation series in Turkey. Theoretical and Applied Climatology, 2019, 135, 211-220.	1.3	41
22	Construction of prediction intervals for Palmer Drought Severity Index using bootstrap. Journal of Hydrology, 2018, 559, 461-470.	2.3	28
23	Drought analysis in the Tons River Basin, India during 1969-2008. Theoretical and Applied Climatology, 2018, 132, 939-951.	1.3	17
24	Evaluation of spatial and temporal relationships between largeâ€scale atmospheric oscillations and meteorological drought indexes in Turkey. International Journal of Climatology, 2018, 38, 4579-4596.	1.5	18
25	Hydrological drought associations with extreme phases of the North Atlantic and Arctic Oscillations over Turkey and northern Iran. International Journal of Climatology, 2018, 38, 4459-4475.	1.5	22
26	Genetic programming in water resources engineering: A state-of-the-art review. Journal of Hydrology, 2018, 566, 643-667.	2.3	110
27	Grid-based performance evaluation of GCM-RCM combinations for rainfall reproduction. Theoretical and Applied Climatology, 2017, 129, 47-57.	1.3	14
28	A Pareto-optimal moving average multigene genetic programming model for daily streamflow prediction. Journal of Hydrology, 2017, 549, 603-615.	2.3	54
29	Determination of flood risk: A case study in the rainiest city of Turkey. Environmental Modelling and Software, 2017, 93, 296-309.	1.9	16
30	Climate Change Impacts on Catchment-Scale Extreme Rainfall Variability: Case Study of Rize Province, Turkey. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	28
31	Projection of Temperature and Precipitation in Southern Iran Using ECHAM5 Simulations. Iranian Journal of Science and Technology, Transaction A: Science, 2016, 40, 39-49.	0.7	6
32	Temporal trends in precipitation using spatial techniques in GIS over Urmia Lake Basin, Iran. International Journal of Hydrology Science and Technology, 2016, 6, 62.	0.2	14
33	Daily precipitation predictions using three different wavelet neural network algorithms by meteorological data. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1317-1329.	1.9	51
34	Analyses of the Persian Gulf sea surface temperature: prediction and detection of climate change signals. Arabian Journal of Geosciences, 2015, 8, 2121-2130.	0.6	45
35	Successive-station monthly streamflow prediction using different artificial neural network algorithms. International Journal of Environmental Science and Technology, 2015, 12, 2191-2200.	1.8	83
36	Identification of trends in hydrological and climatic variables in Urmia Lake basin, Iran. Theoretical and Applied Climatology, 2015, 119, 443-464.	1.3	144

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37	Rectangular side weirs discharge coefficient estimation in circular channels using linear genetic programming approach. Journal of Hydroinformatics, 2014, 16, 1318-1330.	1.1	34
38	Linear genetic programming application for successive-station monthly streamflow prediction. Computers and Geosciences, 2014, 70, 63-72.	2.0	44
39	A geneâ€“wavelet model for long lead time drought forecasting. Journal of Hydrology, 2014, 517, 691-699.	2.3	82
40	Successive-station monthly streamflow prediction using neuro-wavelet technique. Earth Science Informatics, 2014, 7, 217-229.	1.6	37
41	Trends in temperature over Godavari River basin in Southern Peninsular India. International Journal of Climatology, 2014, 34, 1369-1384.	1.5	87
42	Streamflow prediction using linear genetic programming in comparison with a neuro-wavelet technique. Journal of Hydrology, 2013, 505, 240-249.	2.3	137
43	Daily streamflow modelling using autoregressive moving average and artificial neural networks models: case study of <scp>Ã‡</scp>oruh basin, <scp>T</scp>urkey. Water and Environment Journal, 2012, 26, 567-576.	1.0	30
44	Validation of an ANN Flow Prediction Model Using a Multistation Cluster Analysis. Journal of Hydrologic Engineering - ASCE, 2012, 17, 262-271.	0.8	13
45	Trends in reference evapotranspiration in the humid region of northeast India. Hydrological Processes, 2012, 26, 421-435.	1.1	197
46	Trends in reference crop evapotranspiration over Iran. Journal of Hydrology, 2011, 399, 422-433.	2.3	323
47	The Impacts of NAO on the Hydrology of the Eastern Mediterranean. Advances in Global Change Research, 2011, , 57-71.	1.6	26
48	Critical Drought Analysis: Case Study of GÃ¶ksu River (Turkey) and North Atlantic Oscillation Influences. Journal of Hydrologic Engineering - ASCE, 2009, 14, 795-802.	0.8	25
49	North Atlantic Oscillation influences on Turkish lake levels. Hydrological Processes, 2009, 23, 893-906.	1.1	52
50	The links between the categorised Southern Oscillation indicators and climate and hydrologic variables in Turkey. Hydrological Processes, 2009, 23, 1927-1936.	1.1	20
51	NSM analysis of time-dependent nonlinear buoyancy-driven double-diffusive radiative convection flow in non-Darcy geological porous media. Acta Mechanica, 2009, 202, 181-204.	1.1	29
52	Flow forecast by SWAT model and ANN in Pracana basin, Portugal. Advances in Engineering Software, 2009, 40, 467-473.	1.8	136
53	Mapping of groundwater potential zones in the Musi basin using remote sensing data and GIS. Advances in Engineering Software, 2009, 40, 506-518.	1.8	212
54	Discussion of â€œHydrologic Regionalization of Watersheds in Turkeyâ€•by Sabahattin Isik and Vijay P. Singh. Journal of Hydrologic Engineering - ASCE, 2009, 14, 767-768.	0.8	1

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55	Streamflow Regionalization: Case Study of Turkey. Journal of Hydrologic Engineering - ASCE, 2008, 13, 205-214.	0.8	27
56	Analysis of Turkish precipitation data: homogeneity and the Southern Oscillation forcings on frequency distributions. Hydrological Processes, 2007, 21, 3203-3210.	1.1	39
57	Assessment of streamflow variability modes in Turkey: 1964â€“1994. Journal of Hydrology, 2006, 324, 163-177.	2.3	47
58	Trend analysis in Turkish precipitation data. Hydrological Processes, 2006, 20, 2011-2026.	1.1	749
59	The influences of the Southern and North Atlantic Oscillations on climatic surface variables in Turkey. Hydrological Processes, 2005, 19, 1185-1211.	1.1	68
60	Trend analysis of streamflow in Turkey. Journal of Hydrology, 2004, 289, 128-144.	2.3	472
61	The teleconnections between the extreme phases of the southern oscillation and precipitation patterns over Turkey. International Journal of Climatology, 2003, 23, 1607-1625.	1.5	42
62	The analysis of El NiÃ±o and La NiÃ±a signals in streamflows of Turkey. International Journal of Climatology, 2001, 21, 1231-1250.	1.5	60
63	The Influences of Type 1 El NiÃ±o and La NiÃ±a Events on Streamflows in the Pacific Southwest of the United States. Journal of Climate, 1994, 7, 965-976.	1.2	94
64	The relationships between U.S. streamflow and La NiÃ±a Events. Water Resources Research, 1994, 30, 2133-2141.	1.7	145
65	U.S. streamflow patterns in relation to the El NiÃ±o/Southern Oscillation. Water Resources Research, 1993, 29, 2491-2503.	1.7	285
66	The relationship between ENSO events and California streamflows. AIP Conference Proceedings, 1992, , .	0.3	2