

# Mehmet Ozger

## List of Publications by Year in descending order

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75  
papers

2,292  
citations

201385

27  
h-index

233125

45  
g-index

76  
all docs

76  
docs citations

76  
times ranked

1791  
citing authors

#	ARTICLE	IF	CITATIONS
1	An entropy-based investigation into the variability of precipitation. Journal of Hydrology, 2009, 370, 139-154.	2.3	152
2	Long Lead Time Drought Forecasting Using a Wavelet and Fuzzy Logic Combination Model: A Case Study in Texas. Journal of Hydrometeorology, 2012, 13, 284-297.	0.7	111
3	Water Consumption Prediction of Istanbul City by Using Fuzzy Logic Approach. Water Resources Management, 2005, 19, 641-654.	1.9	109
4	Evaluation of the numerical wave model (SWAN) for wave simulation in the Black Sea. Continental Shelf Research, 2012, 50-51, 80-99.	0.9	106
5	Significant wave height forecasting using wavelet fuzzy logic approach. Ocean Engineering, 2010, 37, 1443-1451.	1.9	99
6	Prediction of wave parameters by using fuzzy logic approach. Ocean Engineering, 2007, 34, 460-469.	1.9	92
7	Low frequency drought variability associated with climate indices. Journal of Hydrology, 2009, 364, 152-162.	2.3	82
8	A geneâ€“wavelet model for long lead time drought forecasting. Journal of Hydrology, 2014, 517, 691-699.	2.3	82
9	Stakeholder perceptions in flood risk assessment: A hybrid fuzzy AHP-TOPSIS approach for Istanbul, Turkey. International Journal of Disaster Risk Reduction, 2021, 60, 102327.	1.8	69
10	Comparison of fuzzy inference systems for streamflow prediction. Hydrological Sciences Journal, 2009, 54, 261-273.	1.2	65
11	Fuzzy logic modeling of the dissolved oxygen fluctuations in Golden Horn. Ecological Modelling, 2005, 189, 436-446.	1.2	64
12	An integrated framework for the comprehensive evaluation of low impact development strategies. Journal of Environmental Management, 2021, 294, 113023.	3.8	63
13	District based flood risk assessment in Istanbul using fuzzy analytical hierarchy process. Stochastic Environmental Research and Risk Assessment, 2021, 35, 617-637.	1.9	62
14	Determining turbulent flow friction coefficient using adaptive neuro-fuzzy computing technique. Advances in Engineering Software, 2009, 40, 281-287.	1.8	56
15	Comparison of wavelet and empirical mode decomposition hybrid models in drought prediction. Computers and Electronics in Agriculture, 2020, 179, 105851.	3.7	55
16	Temporal significant wave height estimation from wind speed by perceptron Kalman filtering. Ocean Engineering, 2004, 31, 1245-1255.	1.9	50
17	A new insight to the wind speed forecasting: robust multi-stage ensemble soft computing approach based on pre-processing uncertainty assessment. Neural Computing and Applications, 2022, 34, 783-812.	3.2	48
18	Wave power potential assessment of Aegean Sea with an integrated 15-year data. Renewable Energy, 2016, 86, 1045-1059.	4.3	46

#	ARTICLE	IF	CITATIONS
19	Towards flood risk mapping based on multi-tiered decision making in a densely urbanized metropolitan city of Istanbul. <i>Sustainable Cities and Society</i> , 2022, 80, 103759.	5.1	42
20	Prediction of ocean wave energy from meteorological variables by fuzzy logic modeling. <i>Expert Systems With Applications</i> , 2011, 38, 6269-6274.	4.4	39
21	Estimating Palmer Drought Severity Index using a wavelet fuzzy logic model based on meteorological variables. <i>International Journal of Climatology</i> , 2011, 31, 2021-2032.	1.5	39
22	Triple diagram model of level fluctuations in Lake Van, Turkey. <i>Hydrology and Earth System Sciences</i> , 2003, 7, 235-244.	1.9	38
23	Modeling Infiltration with Approximate Solutions to Richard's Equation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2004, 9, 421-432.	0.8	34
24	Drought prediction using hybrid soft-computing methods for semi-arid region. <i>Modeling Earth Systems and Environment</i> , 2021, 7, 2363-2371.	1.9	31
25	Fuzzy Logic Model for Equilibrium Scour Downstream of a Dam's Vertical Gate. <i>Journal of Hydraulic Engineering</i> , 2006, 132, 1069-1075.	0.7	29
26	Autorun Persistence of Hydrologic Design. <i>Journal of Hydrologic Engineering - ASCE</i> , 2003, 8, 329-338.	0.8	28
27	Sediment Concentration and Its Prediction by Perceptron Kalman Filtering Procedure. <i>Journal of Hydraulic Engineering</i> , 2004, 130, 816-826.	0.7	28
28	Trend and persistence of precipitation under climate change scenarios for Kansabati basin, India. <i>Hydrological Processes</i> , 2009, 23, 2345-2357.	1.1	28
29	Prediction of wave parameters by using fuzzy inference system and the parametric models along the south coasts of the Black Sea. <i>Journal of Marine Science and Technology</i> , 2014, 19, 1-14.	1.3	28
30	Scaling characteristics of precipitation data in conjunction with wavelet analysis. <i>Journal of Hydrology</i> , 2010, 395, 279-288.	2.3	27
31	Neuro-Fuzzy Approach for Estimating Energy Dissipation in Skimming Flow over Stepped Spillways. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 6099-6108.	1.1	27
32	Seasonal streamflow extremes in Texas river basins: Uncertainty, trends, and teleconnections. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
33	Comparison of Discrete and Continuous Wavelet-Multilayer Perceptron Methods for Daily Precipitation Prediction. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	24
34	Statistical investigation of expected wave energy and its reliability. <i>Energy Conversion and Management</i> , 2004, 45, 2173-2185.	4.4	23
35	Neuro-fuzzy approach in estimating Hazen-Williams friction coefficient for small-diameter polyethylene pipes. <i>Advances in Engineering Software</i> , 2009, 40, 593-599.	1.8	23
36	Exploring the additional value of class imbalance distributions on interpretable flash flood susceptibility prediction in the Black Warrior River basin, Alabama, United States. <i>Journal of Hydrology</i> , 2022, 610, 127877.	2.3	23

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37	Wet and dry spell analysis of Global Climate Model-generated precipitation using power laws and wavelet transforms. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011, 25, 517-535.	1.9	22
38	Coalition possibility of riparian countries via game theory and fuzzy logic models. <i>Water Resources Research</i> , 2010, 46, .	1.7	20
39	Association between Uncertainties in Meteorological Variables and Water-Resources Planning for the State of Texas. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011, 16, 984-999.	0.8	20
40	Sediment load prediction by combined fuzzy logic-wavelet method. <i>Journal of Hydroinformatics</i> , 2015, 17, 930-942.	1.1	19
41	Investigation of the low impact development strategies for highly urbanized area via auto-calibrated Storm Water Management Model (SWMM). <i>Water Science and Technology</i> , 2021, 84, 2194-2213.	1.2	17
42	Triple diagram method for the prediction of wave height and period. <i>Ocean Engineering</i> , 2007, 34, 1060-1068.	1.9	16
43	Evaluating the performance of low impact development practices in urban runoff mitigation through distributed and combined implementation. <i>Journal of Hydroinformatics</i> , 2020, 22, 1506-1520.	1.1	15
44	Seasonal and spatial variations in the scaling and correlation structure of streamflow data. <i>Hydrological Processes</i> , 2013, 27, 1681-1690.	1.1	14
45	El Niño Southern Oscillation (ENSO) Templates and Streamflow Prediction. <i>Journal of Hydrologic Engineering - ASCE</i> , 2004, 9, 368-374.	0.8	13
46	Stochastic wave energy calculation formulation. <i>Renewable Energy</i> , 2004, 29, 1747-1756.	4.3	13
47	Tree-based nonlinear ensemble technique to predict energy dissipation in stepped spillways. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 3547-3565.	1.0	13
48	Scaling characteristics of ocean wave height time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 981-989.	1.2	12
49	Regional Streamflow Estimation by Standard Regional Dependence Function Approach. <i>Journal of Hydraulic Engineering</i> , 2005, 131, 1001-1006.	0.7	11
50	A predictive tool by fuzzy logic for outcome of patients with intracranial aneurysm. <i>Expert Systems With Applications</i> , 2010, 37, 1043-1049.	4.4	11
51	Drought Analysis with Machine Learning Methods. <i>Pamukkale University Journal of Engineering Sciences</i> , 2019, 25, 985-991.	0.2	11
52	Spatial Significant Wave Height Variation Assessment and Its Estimation. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2005, 131, 277-282.	0.5	10
53	Return period and risk calculations for ocean wave energy applications. <i>Ocean Engineering</i> , 2008, 35, 1700-1706.	1.9	10
54	Neuro-fuzzy approach for the spatial estimation of ocean wave characteristics. <i>Advances in Engineering Software</i> , 2009, 40, 759-765.	1.8	10

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55	Investigating the Multifractal Properties of Significant Wave Height Time Series Using a Wavelet-Based Approach. Journal of Waterway, Port, Coastal and Ocean Engineering, 2011, 137, 34-42.	0.5	9
56	Assessment of flood damage behaviour in connection with large-scale climate indices. Journal of Flood Risk Management, 2017, 10, 79-86.	1.6	9
57	Monthly River Discharge Prediction by Wavelet Fuzzy Time Series Method. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2021, 29, 17-35.	0.9	9
58	Water Consumption Model Of Istanbul City By Gray Prediction Method. Journal of Polytechnic, 2019, 22, 755-761.	0.4	9
59	Space-time Interpolation by Combining Air Pollution and Meteorologic Variables. Pure and Applied Geophysics, 2006, 163, 1435-1451.	0.8	8
60	Disaggregation of future GCMs to generate IDF curves for the assessment of urban floods. Journal of Water and Climate Change, 2022, 13, 684-706.	1.2	8
61	INCREASING WATER SUPPLY BY MIXING OF FRESH AND SALINE GROUND WATERS. Journal of the American Water Resources Association, 2003, 39, 1209-1215.	1.0	6
62	Estimation of measured evapotranspiration using data-driven methods with limited meteorological variables. Italian Journal of Agrometeorology, 2021, , 63-80.	0.8	6
63	Scaling Characteristics of Precipitation Data over Texas. Journal of Hydrologic Engineering - ASCE, 2011, 16, 1009-1016.	0.8	5
64	Optimized Numerical Model Based Assessment of Wave Power Potential of Marmara Sea. Journal of Ocean University of China, 2019, 18, 293-304.	0.6	5
65	DalgacÄ±k BulanÄ±k Zaman Serisi YÄntemi ve Gri Tahmin YÄntemi ile TÄrkiye BuÄyday Verimi Tahmini. TÄrkiye TarÄmsal AraÅtÄrmalar Dergisi, 2020, 7, 246-252.	0.5	5
66	Hydrodynamic and Hydrographic Modeling of Istanbul Strait. Processes, 2019, 7, 710.	1.3	4
67	Long-Term Macro-Scale Assessment of Wave Power of Black Sea by an Optimized Numerical Model. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2018, 42, 391-414.	1.0	2
68	Assessing the Impacts of Climate Variability on the Water Resources in the Rio Grande/RÄo Bravo Basin. , 2010, , .		1
69	Discussion of "Data Mining Process for Integrated Evaporation Model" by M. E. Keskin, Å. Terzi, and E. U. KÄksille. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 578-579.	0.6	1
70	A Rainfall-Runoff model for highly urbanized areas: A case study at Istanbul Technical University main campus. IOP Conference Series: Materials Science and Engineering, 2020, 737, 012163.	0.3	1
71	Autorun Persistence of the Great Salt Lake Water Level Fluctuations. , 2004, , 1.		0
72	Discussion of Estimation of wave spectral shapes using ANN by Naithani R and Deo MC. Advances in Engineering Software, 2007, 38, 68.	1.8	0

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73	Discussion of "Artificial Models for Interbasin Flow Prediction in Southern Turkey" by M. Erol Keskin and Dilek Taylan. Journal of Hydrologic Engineering - ASCE, 2010, 15, 725-725.	0.8	0
74	Assessing Wave Climate Variability along with Large-Scale Climate Indices on the U.S. West Coast. Journal of Waterway, Port, Coastal and Ocean Engineering, 2017, 143, 06016006.	0.5	0
75	Missing Data Imputation for Solar Radiation by Deep Neural Network. European Journal of Science and Technology, 0, , .	0.5	0