Murat Kankal

List of Publications by Year
in descending order

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38 papers	1,079 citations	516215 16 h-index	433756 31 g-index
38 all docs	38 docs citations	38 times ranked	987 citing authors

#	Article	IF	Citations
1	Modeling and forecasting of Turkeyâ€™s energy consumption using socio-economic and demographic variables. Applied Energy, 2011, 88, 1927-1939.	5.1	213
2	Estimates of energy consumption in Turkey using neural networks with the teachingâ€“learning-based optimization algorithm. Energy, 2014, 75, 295-303.	4.5	93
3	Estimates of hydroelectric generation using neural networks with the artificial bee colony algorithm for Turkey. Energy, 2014, 69, 638-647.	4.5	80
4	Estimating suspended sediment load with multivariate adaptive regression spline, teaching-learning based optimization, and artificial bee colony models. Science of the Total Environment, 2018, 639, 826-840.	3.9	64
5	Neural network approach with teachingâ€“learning-based optimization for modeling and forecasting long-term electric energy demand in Turkey. Neural Computing and Applications, 2017, 28, 737-747.	3.2	61
6	Modeling stream dissolved oxygen concentration using teachingâ€“learning based optimization algorithm. Environmental Earth Sciences, 2015, 73, 6565-6576.	1.3	55
7	Energy situation and renewables in Turkey and environmental effects of energy use. Renewable and Sustainable Energy Reviews, 2008, 12, 2013-2039.	8.2	53
8	Estimation of suspended sediment concentration from turbidity measurements using artificial neural networks. Environmental Monitoring and Assessment, 2012, 184, 4355-4365.	1.3	48
9	Innovative and polygonal trend analyses applications for rainfall data in Vietnam. Theoretical and Applied Climatology, 2021, 144, 809-822.	1.3	46
10	Development of hydropower energy in Turkey: The case of Ã‡oruh river basin. Renewable and Sustainable Energy Reviews, 2011, 15, 1201-1209.	8.2	43
11	Assessment of big floods in the Eastern Black Sea Basin of Turkey. Environmental Monitoring and Assessment, 2013, 185, 797-814.	1.3	37
12	Prediction of suspended sediment concentration from water quality variables. Neural Computing and Applications, 2014, 24, 1079-1087.	3.2	26
13	Innovative approaches to the trend assessment of streamflows in the Eastern Black Sea basin, Turkey. Hydrological Sciences Journal, 2022, 67, 222-247.	1.2	26
14	Artificial neural network approach for assessing harbor tranquility: The case of Trabzon Yacht Harbor, Turkey. Applied Ocean Research, 2012, 38, 23-31.	1.8	24
15	Prediction of berm geometry using a set of laboratory tests combined with teachingâ€“learning-based optimization and artificial bee colony algorithms. Applied Ocean Research, 2014, 48, 103-113.	1.8	24
16	Forecasting Daily Streamflow Discharges Using Various Neural Network Models and Training Algorithms. KSCE Journal of Civil Engineering, 2018, 22, 3676-3685.	0.9	21
17	Assessment of hydropower and multi-dam power projects in Turkey. Renewable Energy, 2014, 68, 118-133.	4.3	17
18	Spatial Forecasting of Dissolved Oxygen Concentration in the Eastern Black Sea Basin, Turkey. Water (Switzerland), 2020, 12, 1041.	1.2	14

#	Article	IF	Citations
19	Performance evaluation of multiple adaptive regression splines, teachingâ€“learning based optimization and conventional regression techniques in predicting mechanical properties of impregnated wood. European Journal of Wood and Wood Products, 2019, 77, 645-659.	1.3	13
20	Evaluation of the suitability of NCEP/NCAR, ERA-Interim and, ERA5 reanalysis data sets for statistical downscaling in the Eastern Black Sea Basin, Turkey. Meteorology and Atmospheric Physics, 2022, 134, 1.	0.9	12
21	Ã‡ok DeÄŸiÅŸkenli Uyarlanabilir Regresyon EÄŸrileri (Ã‡DURE) ile GÃ¼nlÃ¼k Akarsu AkÄ±mlarÄ±nÄ±n Tahmini-Haldizen Deresi Ã–rneÄŸi. GÃ¼mÃ¼ÅŸhane Ãœniversitesi Fen Bilimleri EnstitÃ¼sÃ¼ Dergisi, 0, , .	0.0	11
22	Artificial Intelligence Applications in Civil Engineering. Advances in Civil Engineering, 2019, 2019, 1-3.	0.4	10
23	Artificial neural network for estimation of harbor oscillation in a cargo harbor basin. Neural Computing and Applications, 2014, 25, 95-103.	3.2	9
24	Spatial and temporal variation of suspended sediment concentration versus turbidity in the stream HarÅŸit Watershed, NE Turkey. Arabian Journal of Geosciences, 2014, 7, 4987-4996.	0.6	9
25	Regional intensityâ€“durationâ€“frequency analysis in the Eastern Black Sea Basin, Turkey, by using L-moments and regression analysis. Theoretical and Applied Climatology, 2018, 131, 245-257.	1.3	9
26	Predicting temporal rate coefficient of bar volume using hybrid artificial intelligence approaches. Journal of Marine Science and Technology, 2018, 23, 596-604.	1.3	9
27	Prediction of suspended sediment loading by means of hybrid artificial intelligence approaches. Acta Geophysica, 2019, 67, 1693-1705.	1.0	9
28	Assessment of cement characteristics affecting rheological properties of cement pastes. Neural Computing and Applications, 2021, 33, 12805-12826.	3.2	9
29	Status of hydropower and water resources in the Southeastern Anatolia Project (GAP) of Turkey. Energy Reports, 2016, 2, 123-128.	2.5	8
30	Comparison of various turbulence model performance in computational fluid dynamics analyses of the oxidation ditches with experimental validation. Chemical Engineering Research and Design, 2021, 154, 43-59.	2.7	7
31	The status of transboundary rivers in Turkey. Water Resources, 2014, 41, 649-665.	0.3	5
32	Beach nourishment alternative assessment to constrain cross-shore and longshore sediment transport. Applied Ocean Research, 2016, 59, 459-471.	1.8	3
33	Importance of hydropower for sustainable energy development in Turkey: Case of Ã‡oruh River. Energy and Environment, 2016, 27, 905-918.	2.7	3
34	Application of Artificial Neural Networks and regression analysis to L-moments based regional frequency analysis in the Eastern Black Sea Basin, Turkey. KSCE Journal of Civil Engineering, 2016, 20, 2082-2092.	0.9	3
35	Prediction of Parameters which Affect Beach Nourishment Performance Using MARS, TLBO, and Conventional Regression Techniques. Thalassas, 2020, 36, 245-260.	0.1	2
36	Estimation of the Monthly Mean Temperature Values of the Eastern Black Sea Basin with Statistical Downscaling Method Using EraInterim Re-analysis Data. DoÄŸal Afetler Ve Ã‡evre Dergisi, 2021, 7, 136-148.	0.2	2

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37	The estimation of flood quantiles in ungauged sites using teaching-learning based optimization and artificial bee colony algorithms. Scientia Iranica, 2017, .	0.3	1
38	Investigation of the Effect of Building-Based Assessment on Flood Hazard Evaluation. Polish Journal of Environmental Studies, 2021, , .	0.6	0