# Murat Kankal

## List of Publications by Citations



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|---|---|---|---|
| 35 papers | 740 citations | 15 h-index | 27 g-index |
| 38 ext. papers | 906 ext. citations | 4.3 avg, IF | 4.35 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 35 | Modeling and forecasting of Turkey's energy consumption using socio-economic and demographic variables. *Applied Energy*, **2011**, 88, 1927-1939 | 10.7 | 159 |
| 34 | Estimates of energy consumption in Turkey using neural networks with the teaching–learning-based optimization algorithm. *Energy*, **2014**, 75, 295-303 | 7.9 | 66 |
| 33 | Estimates of hydroelectric generation using neural networks with the artificial bee colony algorithm for Turkey. *Energy*, **2014**, 69, 638-647 | 7.9 | 62 |
| 32 | Energy situation and renewables in Turkey and environmental effects of energy use. *Renewable and Sustainable Energy Reviews*, **2008**, 12, 2013-2039 | 16.2 | 48 |
| 31 | 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 | 10.2 | 48 |
| 30 | Modeling stream dissolved oxygen concentration using teaching–learning based optimization algorithm. *Environmental Earth Sciences*, **2015**, 73, 6565-6576 | 2.9 | 43 |
| 29 | Neural network approach with teaching–learning-based optimization for modeling and forecasting long-term electric energy demand in Turkey. *Neural Computing and Applications*, **2017**, 28, 737-747 | 4.8 | 42 |
| 28 | Estimation of suspended sediment concentration from turbidity measurements using artificial neural networks. *Environmental Monitoring and Assessment*, **2012**, 184, 4355-65 | 3.1 | 41 |
| 27 | Development of hydropower energy in Turkey: The case of Çoruh river basin. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 1201-1209 | 16.2 | 33 |
| 26 | Prediction of berm geometry using a set of laboratory tests combined with teaching–learning-based optimization and artificial bee colony algorithms. *Applied Ocean Research*, **2014**, 48, 103-113 | 3.4 | 21 |
| 25 | Assessment of big floods in the Eastern Black Sea Basin of Turkey. *Environmental Monitoring and Assessment*, **2013**, 185, 797-814 | 3.1 | 21 |
| 24 | Prediction of suspended sediment concentration from water quality variables. *Neural Computing and Applications*, **2014**, 24, 1079-1087 | 4.8 | 20 |
| 23 | Forecasting Daily Streamflow Discharges Using Various Neural Network Models and Training Algorithms. *KSCE Journal of Civil Engineering*, **2018**, 22, 3676-3685 | 1.9 | 16 |
| 22 | Assessment of hydropower and multi-dam power projects in Turkey. *Renewable Energy*, **2014**, 68, 118-131 | 3.1 | 15 |
| 21 | Artificial neural network approach for assessing harbor tranquility: The case of Trabzon Yacht Harbor, Turkey. *Applied Ocean Research*, **2012**, 38, 23-31 | 3.4 | 15 |
| 20 | Innovative and polygonal trend analyses applications for rainfall data in Vietnam. *Theoretical and Applied Climatology*, **2021**, 144, 809-822 | 3 | 9 |
| 19 | Performance evaluation of multiple adaptive regression splines, teaching–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 | 2.1 | 8 |

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|---|---|---|---|
| 18 | Spatial Forecasting of Dissolved Oxygen Concentration in the Eastern Black Sea Basin, Turkey. *Water (Switzerland)*, **2020**, 12, 1041 | 3 | 8 |
| 17 | Artificial neural network for estimation of harbor oscillation in a cargo harbor basin. *Neural Computing and Applications*, **2014**, 25, 95-103 | 4.8 | 8 |
| 16 | Spatial and temporal variation of suspended sediment concentration versus turbidity in the stream Harşit Watershed, NE Turkey. *Arabian Journal of Geosciences*, **2014**, 7, 4987-4996 | 1.8 | 7 |
| 15 | Çok Değişkenli Uyarlanabilir Regresyon Eğrileri (ÇDURE) ile Günlük Akarsu Akımlarının Tahmini-Haldizen Deresi örneği *Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi*, | | 7 |
| 14 | Artificial Intelligence Applications in Civil Engineering. *Advances in Civil Engineering*, **2019**, 2019, 1-3 | 1.3 | 6 |
| 13 | Regional intensity–duration–frequency analysis in the Eastern Black Sea Basin, Turkey, by using L-moments and regression analysis. *Theoretical and Applied Climatology*, **2018**, 131, 245-257 | 3 | 6 |
| 12 | Prediction of suspended sediment loading by means of hybrid artificial intelligence approaches. *Acta Geophysica*, **2019**, 67, 1693-1705 | 2.2 | 6 |
| 11 | Status of hydropower and water resources in the Southeastern Anatolia Project (GAP) of Turkey. *Energy Reports*, **2016**, 2, 123-128 | 4.6 | 5 |
| 10 | Predicting temporal rate coefficient of bar volume using hybrid artificial intelligence approaches. *Journal of Marine Science and Technology*, **2018**, 23, 596-604 | 1.7 | 5 |
| 9 | The status of transboundary rivers in Turkey. *Water Resources*, **2014**, 41, 649-665 | 0.9 | 4 |
| 8 | Beach nourishment alternative assessment to constrain cross-shore and longshore sediment transport. *Applied Ocean Research*, **2016**, 59, 459-471 | 3.4 | 3 |
| 7 | Importance of hydropower for sustainable energy development in Turkey: Case of Çoruh River. *Energy and Environment*, **2016**, 27, 905-918 | 2.4 | 1 |
| 6 | 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 | 1.9 | 1 |
| 5 | Prediction of Parameters which Affect Beach Nourishment Performance Using MARS, TLBO, and Conventional Regression Techniques. *Thalassas*, **2020**, 36, 245-260 | 0.9 | 1 |
| 4 | EraInterim Re-analiz Verileri Kullanılarak İstatistiksel İndirgeme Yöntemi ile Doğu Karadeniz Havzası Aylık Ortalama Sıcaklık Değerlerinin Tahmin Edilmesi. *Doğal Afetler Ve Çevre Dergisi*,136-148 | 1 | 1 |
| 3 | 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 | 2 | 1 |
| 2 | Assessment of cement characteristics affecting rheological properties of cement pastes. *Neural Computing and Applications*, **2021**, 33, 12805 | 4.8 | 0 |
| 1 | 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 | 5.5 | 0 |