

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 2000 - 2011
Yüksek Lisans, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1998 - 2010
Lisans, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1994 - 2000

Yaptığı Tezler

Doktora, Doğrusal olmayan yeraltı su akımlarının incelenmesi, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2005
Yüksek Lisans, Çözülebilir maddelerin dalga etkisi ile boyuna türbülans difüzyonu ve dispersiyonu, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2000

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- **Modeling the effect of urbanization on flood risk in Ayamama Watershed, Istanbul, Turkey, using the MIKE 21 FM model**
Nigussie T. A. , Altunkaynak A.
NATURAL HAZARDS, cilt.99, ss.1031-1047, 2019 (SCI İndekslerine Giren Dergi)
- **A novel approach for the prediction of the incipient motion of sediments under smooth, transitional and rough flow conditions using Geno-Fuzzy Inference System model**
Bizimana H., Altunkaynak A.
JOURNAL OF HYDROLOGY, cilt.577, 2019 (SCI İndekslerine Giren Dergi)
- **Performance comparison of continuous Wavelet-Fuzzy and discrete Wavelet-Fuzzy models for water level predictions at northern and southern boundary of Bosphorus**
Altunkaynak A., Kartal E.
OCEAN ENGINEERING, cilt.186, 2019 (SCI İndekslerine Giren Dergi)
- **Predicting Water Level Fluctuations in Lake Van Using Hybrid Season-Neuro Approach**
Altunkaynak A.
JOURNAL OF HYDROLOGIC ENGINEERING, cilt.24, 2019 (SCI İndekslerine Giren Dergi)
- **Optimized Numerical Model Based Assessment of Wave Power Potential of Marmara Sea**
Abdollahzadeh moradi Y., Özger M., Altunkaynak A.
JOURNAL OF OCEAN UNIVERSITY OF CHINA, cilt.18, ss.293-304, 2019 (SCI İndekslerine Giren Dergi)
- **Impacts of climate change on the trends of extreme rainfall indices and values of maximum precipitation at Olimpiyat Station, Istanbul, Turkey**
Nigussie T. A. , Altunkaynak A.
THEORETICAL AND APPLIED CLIMATOLOGY, cilt.135, ss.1501-1515, 2019 (SCI İndekslerine Giren Dergi)
- **Experimental and analytical investigation on chamber water surface fluctuations and motion behaviours of water column type wave energy converter**
Celik A., Altunkaynak A.

OCEAN ENGINEERING, cilt.150, ss.209-220, 2018 (SCI İndekslerine Giren Dergi)

- **Investigation Anthropogenic Impacts and Climate Factors on Drying up of Urmia Lake using Water Budget and Drought Analysis**

Ghale Y. A. G. , Altunkaynak A., Ünal A.

WATER RESOURCES MANAGEMENT, cilt.32, ss.325-337, 2018 (SCI İndekslerine Giren Dergi)

- **Monthly water demand prediction using wavelet transform, first-order differencing and linear detrending techniques based on multilayer perceptron models**

Altunkaynak A., Nigussie T. A.

URBAN WATER JOURNAL, cilt.15, ss.177-181, 2018 (SCI İndekslerine Giren Dergi)

- **Monthly Water Consumption Prediction Using Season Algorithm and Wavelet Transform-Based Models**

Altunkaynak A., Nigussie T. A.

JOURNAL OF WATER RESOURCES PLANNING AND MANAGEMENT, cilt.143, 2017 (SCI İndekslerine Giren Dergi)

- **Deducing a Drain Spacing Formula by Applying Dimensional Analysis and Self-Similarity Theory**

Elmazoghi H. G. , Altunkaynak A.

JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, cilt.143, 2017 (SCI İndekslerine Giren Dergi)

- **Modeling Urbanization of Istanbul under Different Scenarios Using SLEUTH Urban Growth Model**

Nigussie T. A. , Altunkaynak A.

JOURNAL OF URBAN PLANNING AND DEVELOPMENT, cilt.143, 2017 (SCI İndekslerine Giren Dergi)

- **Comparison of numerical and experimental analyses for optimizing the geometry of OWC systems**

Mahnamfar F., Altunkaynak A.

OCEAN ENGINEERING, cilt.130, ss.10-24, 2017 (SCI İndekslerine Giren Dergi)

- **Prediction of longitudinal dispersion coefficient in natural streams by prediction map**

Altunkaynak A.

JOURNAL OF HYDRO-ENVIRONMENT RESEARCH, cilt.12, ss.105-116, 2016 (SCI İndekslerine Giren Dergi)

- **Assessing the Hydrological Response of Ayamama Watershed from Urbanization Predicted under Various Landuse Policy Scenarios**

Nigussie T. A. , Altunkaynak A.

WATER RESOURCES MANAGEMENT, cilt.30, ss.3427-3441, 2016 (SCI İndekslerine Giren Dergi)

- **Comparison of Discrete and Continuous Wavelet-Multilayer Perceptron Methods for Daily Precipitation Prediction**

Altunkaynak A., OZGER M.

JOURNAL OF HYDROLOGIC ENGINEERING, cilt.21, 2016 (SCI İndekslerine Giren Dergi)

- **OWC-Type Wave Chamber Optimization Under Series of Regular Waves**

Mahnamfar F., Altunkaynak A.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.41, ss.1543-1549, 2016 (SCI İndekslerine Giren Dergi)

- **Neuro-fuzzy models for prediction of breach formation time of embankment dams**

Altunkaynak A., ELMAZOGHI H. G.

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.31, ss.1929-1940, 2016 (SCI İndekslerine Giren Dergi)

- **Performance Comparison of SAS-Multilayer Perceptron and Wavelet-Multilayer Perceptron Models in Terms of Daily Streamflow Prediction**

Altunkaynak A., NIGUSSIE T. A.

JOURNAL OF HYDROLOGIC ENGINEERING, cilt.21, 2016 (SCI İndekslerine Giren Dergi)

- **Prediction of daily rainfall by a hybrid wavelet-season-neuro technique**

Altunkaynak A., NIGUSSIE T. A.

JOURNAL OF HYDROLOGY, cilt.529, ss.287-301, 2015 (SCI İndekslerine Giren Dergi)

- **Prediction of significant wave height using spatial function**

Altunkaynak A.

OCEAN ENGINEERING, cilt.106, ss.220-226, 2015 (SCI İndekslerine Giren Dergi)

- **Fuzzy logic-based attenuation relationships of strong motion earthquake records**

Ahumada A., Altunkaynak A., AYOUB A.

EXPERT SYSTEMS WITH APPLICATIONS, cilt.42, ss.1287-1297, 2015 (SCI İndekslerine Giren Dergi)

- **Extended wave power formulation by perturbation theory and its applications**
Altunkaynak A.
OCEAN ENGINEERING, cilt.88, ss.46-54, 2014 (SCI İndekslerine Giren Dergi)
- **Fuzzy-logic based inelastic displacement ratios of degrading RC structures**
Ozkul S., AYOUB A., Altunkaynak A.
ENGINEERING STRUCTURES, cilt.75, ss.590-603, 2014 (SCI İndekslerine Giren Dergi)
- **Predicting Water Level Fluctuations in Lake Michigan-Huron Using Wavelet-Expert System Methods**
Altunkaynak A.
WATER RESOURCES MANAGEMENT, cilt.28, ss.2293-2314, 2014 (SCI İndekslerine Giren Dergi)
- **Prediction of significant wave height using geno-multilayer perceptron**
Altunkaynak A.
OCEAN ENGINEERING, cilt.58, ss.144-153, 2013 (SCI İndekslerine Giren Dergi)
- **Prediction of temperature variation within a snowpack in open areas and under different canopy covers**
Altunkaynak A., Aydın A.
HYDROLOGICAL PROCESSES, cilt.26, ss.4015-4028, 2012 (SCI İndekslerine Giren Dergi)
- **Theoretical derivation of wind power probability distribution function and applications**
Altunkaynak A., ERDIK T., DABANLII., SEN Z.
APPLIED ENERGY, cilt.92, ss.809-814, 2012 (SCI İndekslerine Giren Dergi)
- **Estimation of significant wave height in shallow lakes using the expert system techniques**
Altunkaynak A., Wang K.
EXPERT SYSTEMS WITH APPLICATIONS, cilt.39, ss.2549-2559, 2012 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- **Zaman Serileri Kullanılarak Nehir Akım Tahmini ve Farklı Yöntemlerle Karşılaştırılması**
Altunkaynak A., Başakın E. E.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.11, ss.92-101, 2018 (Hakemli Üniversite Dergisi)

Desteklenen Projeler

Altunkaynak A., Yükseköğretim Kurumları Destekli Proje, Kıyı Üzerinde Dalga Enerjisi Dönüşüm Sistemi Tasarımı ve Optimize Edilmesi, 2014 - 2018

Atıflar

Toplam Atf Sayısı (WOS):849

h-indeksi (WOS):17