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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Electrical & Electronics, Elektrik Mühendisliği, Turkey 1999 - 2006

Postgraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey

1996 - 1999

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ENERJİ İLETİM SİSTEMLERİNİN ÇEVRESEL FAKTÖRLERE BAĞLI OLARAK TOPRAK YOLU ANALİZİ VE SİMÜLASYONU, Yıldız Teknik Üniversitesi, Elektrik Mühendisliği, Elektrik Tesisleri, 2006

Postgraduate, DAĞITIM ŞEBEKELERİ İÇİN COĞRAFİ BİLGİ SİSTEMİ TABANLI ARIZA İHBAR ANALİZİ, Yıldız Teknik Üniversitesi, Elektrik Mühendisliği, Elektrik Tesisleri, 1999

Research Areas

Electrical and Electronics Engineering, Energy, Electric Power Transmission, Distribution and Protection, Renewable energy, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2013 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2008 - 2013

Supervised Theses

İZGİ E., RÜZGAR VE GÜNEŞ ENERJİSİ SİSTEMLERİNİN EKSERGOEKONOMİK ANALİZİ (2011), Postgraduate,

Y.Emre(Student), 2016

İZGİ E., Enerji İletim ve Dağıtım sistemlerinde Rüzgar Enerjisi Santrallerinin Güç Akışına Etkilerinin İncelenmesi, Postgraduate, T.ALTUN(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Smart Reserve Planning Using Machine Learning Methods in Power Systems with Renewable Energy Sources**
Atıç S., İZGİ E.
Sustainability (Switzerland), vol.16, no.12, 2024 (SCI-Expanded)
- II. **Electricity Demand Forecasting of Hospital Buildings in Istanbul**
Soyler I., İZGİ E.
SUSTAINABILITY, vol.14, no.13, 2022 (SCI-Expanded)
- III. **Forecasting of short-term wind speed at different heights using a comparative forecasting approach**
Korkmaz E., İZGİ E., Tutun S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.5, pp.2553-2569, 2018 (SCI-Expanded)
- IV. **Variations and relations of meteorological parameters between upwind and downwind small-scale wind turbine rotor area**
İZGİ E., Kaymak M. K., Öztopal A., Durna B., Şahin A. D.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.3, pp.1091-1098, 2016 (SCI-Expanded)
- V. **A parametric study on privatization revenues of the electricity distribution companies in Turkey**
İZGİ E., AY S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.3, pp.979-993, 2016 (SCI-Expanded)
- VI. **Determination of the Representative Time Horizons for Short-term Wind Power Prediction by Using Artificial Neural Networks**
İZGİ E., Öztopal A., Yerli B., Kaymak M. K., Şahin A. D.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.36, no.16, pp.1800-1809, 2014 (SCI-Expanded)
- VII. **Exergoeconomic analysis of a solar photovoltaic system in. Istanbul, Turkey**
İZGİ E., Akkaya Y. E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.2, pp.350-359, 2013 (SCI-Expanded)
- VIII. **Short-mid-term solar power prediction by using artificial neural networks**
İZGİ E., öztopal A., Yerli B., KAYMAK M. K., ŞAHİN A. D.
SOLAR ENERGY, vol.86, no.2, pp.725-733, 2012 (SCI-Expanded)
- IX. **Modelling of the change in national exchange rate model depending on the economic parameters of a natural gas cogeneration system: Turkey case**
İNAN A., İZGİ E., AY S.
ENERGY CONVERSION AND MANAGEMENT, vol.50, no.4, pp.1049-1055, 2009 (SCI-Expanded)
- X. **The analysis and simulation of voltage distribution over string insulators using Matlab/Simulink**
İZGİ E., İNAN A., AY S.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.36, no.2, pp.109-123, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Dengeli Elektrik Enerji Sistemi Verilerini Kullanarak Dengesiz Sistem Kayıplarının Yapay Sinir Ağları**

ile Belirlenmesi

İnan A., Korođlu S., İzgi E.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.11, no.1, pp.47-52, 2005 (Peer-Reviewed Journal)

Supported Projects

İZGİ E., TUBITAK Project, MİLRES (Milli Rüzgar Enerji Santrali Tasarımı)-İlk aşama 500 kW (İTÜ GRUBU), 2011 - 2013
İZGİ E., TUBITAK Project, İstanbul Şartlarında Rüzgar-Güneş Enerji Hibrit Sistemlerinin Giriş-Çıkış Kayıp ve verimlerinin zamansal -Alansal ekserji metodları kullanılarak incelenmesi (İTÜ), 2008 - 2011

Scientific Refereeing

YSA HESAPLAMA VE UYGULAMALAR, SCI Journal, July 2014
Turkish Journal of Electrical Engineering & Computer Sciences, SCI Journal, May 2013
ELECO 2012, National Scientific Refreed Journal, July 2012

Metrics

Publication: 18
Citation (WoS): 128
Citation (Scopus): 143
H-Index (WoS): 4
H-Index (Scopus): 4