Prof. ŞULE ÖZDEMİR

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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi Anabilim Dalı, Turkey 1997 - 2003
Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi Anabilim Dalı, Turkey 1994 - 1997
Undergraduate, Marmara University, Faculty Of Technical Education, Electric Education, Turkey 1990 - 1994

Research Areas

Electrical and Electronics Engineering

Academic Titles / Tasks

Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2019 - Continues
Associate Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2012 - 2019
Assistant Professor, Kocaeli University, Teknik Eğitim Fakültesi, Elektrik Eğitimi, 2004 - 2012

Courses

Enerji Sistemleri Mühendisliğine Giriş, Undergraduate, 2023 - 2024

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Kocaeli University, June, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Dynamic energy management for photovoltaic power system including hybrid energy storage in smart grid applications**
Aktas A., Erhan K., Özdemir Ş., Özdemir E.
ENERGY, vol.162, pp.72-82, 2018 (SCI-Expanded)
II. **Experimental investigation of a new smart energy management algorithm for a hybrid energy storage system in smart grid applications**

Aktas A., Erhan K., Özdemir Ş., Özdemir E.
Electric Power Systems Research, vol.144, pp.185-196, 2017 (SCI-Expanded)

III. **Opportunities and challenges for energy storage applications in smart grid**
ÖZDEMİR E., ÖZDEMİR Ş., Erhan K., Aktas A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.2, pp.499-506, 2017 (SCI-Expanded)

IV. **3-Phase 4-leg unified series-parallel active filter system with ultracapacitor energy storage for unbalanced voltage sag mitigation**
UÇAR M., ÖZDEMİR Ş.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.49, pp.149-159, 2013 (SCI-Expanded)

V. **A unified series-parallel active filter system for nonperiodic disturbances**
UÇAR M., ÖZDEMİR Ş., ÖZDEMİR E.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.19, no.4, pp.575-596, 2011 (SCI-Expanded)

VI. **A four-leg unified series-parallel active filter system for periodic and non-periodic disturbance compensation**
UÇAR M., ÖZDEMİR Ş., ÖZDEMİR E.
ELECTRIC POWER SYSTEMS RESEARCH, vol.81, no.5, pp.1132-1143, 2011 (SCI-Expanded)

VII. **Fundamental-Frequency-Modulated Six-Level Diode-Clamped Multilevel Inverter for Three-Phase Stand-Alone Photovoltaic System**
Özdemir E., Özdemir Ş., Tolbert L. M.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.56, pp.4407-4415, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **Modelling and Comparative Analysis of Different Type of Batteries Used for Renewable Energy Support**
Kircicek Y., Aktas A., ÖZDEMİR Ş.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.20, no.1, pp.83-90, 2017 (ESCI)

II. **Yenilenebilir Enerji Desteği için Kullanılan Farklı Tip Bataryaların Modellenmesi ve Karşılaştırmalı Analizi**
Kırçiçek Y., AKTAŞ A., ÖZDEMİR Ş.
Politeknik dergisi, vol.20, no.1, pp.83-90, 2017 (Peer-Reviewed Journal)

III. **Doğrusal Olmayan Yüklerde Aktif Güç Filtresi İle Harmoniklerin Filtrelenmesi ve Reaktif Güç Kompanzasyonu**
ÖZDEMİR Ş., KUŞDOĞAN Ş.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.20, no.2, pp.225-232, 2005 (Scopus)

IV. **Esnek Alternatif Akım İletim Sistemleri (EAAİS)**
ÖZDEMİR Ş., KUŞDOĞAN Ş.
Kaynak Elektrik Dergisi, pp.118-121, 2003 (Non Peer-Reviewed Journal)

V. **Aktif filtrelerin güç kalite düzenleyicisi olarak kullanımı- 2.Bölüm**
ÖZDEMİR Ş., KUŞDOĞAN Ş.
3e Electrotech'03, no.106, pp.138-141, 2003 (Non Peer-Reviewed Journal)

VI. **Aktif filtrelerin güç kalite düzenleyicisi olarak kullanımı**
ÖZDEMİR Ş., KUŞDOĞAN Ş.
3e Electrotech, no.105, pp.78-82, 2003 (Non Peer-Reviewed Journal)

Metrics

Publication: 26
Citation (WoS): 382
Citation (Scopus): 513
H-Index (WoS): 8
H-Index (Scopus): 9