

Res. Asst. Abdülkerim GÜNDOĞAN

Personal Information

Email: kerimg@yildiz.edu.tr

Web: <http://avesis.yildiz.edu.tr/kerimg/>

International Researcher IDs

ScholarID: z_XBhJUAAAAJ

ORCID: 0000-0003-2244-4342

ScopusID: 57203166587

Yoksis Researcher ID: 264509

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği / Elektrik Makineleri Ve Güç Elektroniği Anabilimdalı, Turkey 2018 - Continues

Dissertations

Postgraduate, SABİT MIKNATISLI SENKRON MAKİNELERİN MODEL TABANLI AKIM REFERANSI KONTROLÜ İLE MOMENT DALGALANMALARININ AZALTILMASI, Yıldız Teknik Üniversitesi, Elektrik Mühendisliği Bölümü, Elektrik Mühendisliği / Elektrik Makineleri Ve Güç Elektroniği Anabilimdalı, 2018

Research Areas

Electrical and Electronics Engineering, Energy, Renewable energy, Power Electronics, Electric Motor Drivers, Power Converters, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analysis and design of a ZCT PWM DC-DC boost converter operating in BCM**
Tiktaş E., GÜNDOĞAN A., BAKAN A. F.
Electrical Engineering, 2024 (SCI-Expanded)
- II. **A New Single-Stage Single-Switch AC-DC PFC Topology**
Bodur H., Yesilyurt H., Akboy E., Gundogan A., Dudak A. T.
Iranian Journal of Science and Technology - Transactions of Electrical Engineering, vol.47, no.2, pp.627-637, 2023 (SCI-Expanded)
- III. **A new single-stage single-switch isolated AC-DC PFC topology with high duty cycle and low current stress and high efficiency**

Refereed Congress / Symposium Publications in Proceedings

- I. **A REVIEW OF THE SOFT SWITCHING CELLS USED FOR MULTI-SWITCH INVERTERS**
Bodur H., Gündođan A.
9. ULUSLARARASI MARMARA FEN BİLİMLERİ KONGRESİ (IMASCON 2022 GÜZ), Kocaeli, Turkey, 9 - 10 December 2022, pp.391-397
- II. **A Review of Single Phase Single Stage Isolated Power Factor Correction Circuits**
Balcı I., Bodur H., Gündođan A.
ELECO 2022 Elektrik-Elektronik ve Biyomedikal Mühendisliđi Konferansı, Bursa, Turkey, 24 - 26 November 2022, pp.1-5
- III. **Precise torque estimation in interior permanent magnet machines Gml miknatisli makinelerde hassas moment tahmininin gerekleřtirilmesi**
Gndođan A., Bakan A. F.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İZmir, Turkey, 2 - 05 May 2018, pp.1-4
- IV. **Precise Torque Prediction for Permanent Magnet Synchronous Machine**
Bakan A. F., Gndođan A.
EEMKON 2017 ELEKTRİK ELEKTRONİK MHENDİSLİĐİ KONGRESİ, İstanbul, Turkey, 16 - 18 November 2017, pp.159-164

Supported Projects

Bodur H., Bakan A. F., Altıntaş N., TUBITAK Project, Design and Implementation of a New Modular and Isolated Active Soft Switching Cell for Multi-Switch Converters, 2020 - 2022
BODUR H., DUDAK A. T., GNDOĐAN A., AKBOY E., YEŐİLYURT H., Project Supported by Higher Education Institutions, Tek Fazlı DŐrc Ykseltici ve Geri DnŐl Tabanlı Tek AŐamalı Yeni G Faktr Dzeltme PFC Devrelerinin GeliŐtirilmesi ve Uygulanması, 2019 - 2021
Bodur H., Bakan A. F., TUBITAK Project, Improvement and Application of A New Modular Soft Switching Cell For Inverters, 2018 - 2020

Metrics

Publication: 7
Citation (Scopus): 3
H-Index (Scopus): 1