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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: HRE-2405-2023

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği / Elektrik Makineleri Ve Güç Elektroniği Anabilimdalı, Turkey 2018 - 2025

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 PhD, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2025 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2017 - 2025

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, vol.106, no.4, pp.4993-5006, 2024 (SCI-Expanded)
- II. Design of a new modular-isolated-forward-based active snubber cell for power switches**
BODUR H., GÜNDOĞAN A., BAKAN A. F.
International Journal of Circuit Theory and Applications, 2024 (SCI-Expanded)

III. 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)

IV. A new single-stage single-switch isolated AC-DC PFC topology with high duty cycle and low current stress and high efficiency

Bodur H., Akboy E., Yesilyurt H., Gündoğan A., Dudak A. T.

ELECTRICAL ENGINEERING, vol.104, no.5, pp.3049-3059, 2022 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

I. A Review Of The Soft Switching Cells Used For MultiSwitch Inverters

Bodur H., Gündoğan A.

9th International Marmara Sciences Congress (Imascon Autumn 2022), 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., Gündoğan A.

ELECO 2022 Elektrik-Elektronik ve Biyomedikal Mühendisliği Konferansı, Bursa, Turkey, 24 - 26 November 2022, pp.1-5

III. Precise torque estimation in interior permanent magnet machines Gömülü miknatıslı makinelerde hassas moment tahmininin gerçekleştirilmesi

Gündoğan 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., Gündoğan A.

EEMKON 2017 ELEKTRİK ELEKTRONİK MÜHENDİSLİĞİ 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., GÜNDOĞAN A., AKBOY E., YEŞİLYURT H., Project Supported by Higher Education Institutions, Tek Fazlı Düşürücü Yükseltici ve Geri Dönüslü Tabanlı Tek Aşamalı Yeni Güç Faktörü Düzeltme PFC Devrelerinin Geliştirilmesi 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: 8

Citation (Scopus): 4

H-Index (Scopus): 1