

Lect. MEHMET AKİF ÖZDEMİR

Personal Information

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Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, Turkey 2022 - Continues

Postgraduate, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, Turkey 2019 - 2021

Undergraduate, Ege University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2007 - 2012

Research Areas

Power Converters

Academic Titles / Tasks

Lecturer, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A novel hybrid coil design and implementation for wireless power transfer systems**
Pashaei A., Aydin E., Özdemir M. A., Kosesoy Y., Aydemir M. T.
Science and Technology for Energy Transition, no.79, pp.1-9, 2024 (SCI-Expanded)
- II. **Design and Implementation of Peak Current Mode with PI Controller for Coupled Inductor-Based High-Gain Z-Source Converter**
Özer Ş. C., Dağ B., Demirel S., Özdemir M. A.
ELECTRONICS (Basel), vol.13, no.15, pp.1-16, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design of Impedance Source Step-up Converter for High DC Voltage Applications**
Dag B., Özdemir M. A., Tamyürek B., Aydın E., Aydemir M. T.
EMO Bilimsel Dergi, vol.13, no.1, pp.23-30, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Parallel-Input Series-Output Z-Source Converters for High Voltage DC Power Supplies**
ÖZDEMİR M. A., Aydin E., DAĞ B., TAMYÜREK B., Aydemir M. T.
2023 IEEE Energy Conversion Congress and Exposition, ECCE 2023, Tennessee, United States Of America, 29 October - 02 November 2023, pp.2103-2108

II. A Load Adaptive Cascade PI Controller for Buck Converters Operating in Wide Load Range in Cathodic Protection Systems

ÖZDEMİR M. A., Simsek O., Aydemir M. T.

8th International Conference on Electrical and Electronics Engineering, ICEEE 2021, Antalya, Turkey, 9 - 11 April 2021, pp.73-79

III. Design and Practical Implementation of a Parallel-Switched Power Factor Correction Boost Converter

Rahman S., Kosesoy Y., ÖZDEMİR M. A., Simsek O., Aydemir M. T., Chub A.

14th IEEE International Conference on Industry Applications (INDUSCON), ELECTR NETWORK, 15 - 18 August 2021, pp.395-400

Metrics

Publication: 6

Congress and Symposium Activities

ICEEE 2021, Attendee, Antalya, Turkey, 2021