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Dissertations

Doctorate, YÜKSEK VERİMLİ YENİ BİR DA/DA YÜKSELTEN DÖNÜŞTÜRÜCÜ TASARIMI VE UYGULAMASI, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Electrical And Electronics Engineering, 2023

Postgraduate, YUMUŞAK ANAHTARLAMALI ÇİFT KATLI YÜKSELTEN DA-DA DÖNÜŞTÜRÜCÜ TASARIMI, ANALİZİ VE UYGULAMASI, Van Yüzüncü Yil University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, 2015

Research Areas

Power Electronics

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analysis and Design of Stacked Coupled Inductor Quadratic Boost Converter With a Lossless Snubber Cell**
Koç Y., Birbir Y., Özel E.
International Journal of Circuit Theory and Applications, 2024 (SCI-Expanded)
- II. **Non-isolated high step-up DC/DC converters – An overview**
Koç Y., Birbir Y., Bodur H.
AEJ - ALEXANDRIA ENGINEERING JOURNAL, vol.61, no.2, pp.1091-1132, 2022 (SCI-Expanded)
- III. **Experimental verification of an improved soft-switching cascade boost converter**
Genc N., Koç Y.
ELECTRIC POWER SYSTEMS RESEARCH, vol.149, pp.1-9, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design of Voltage Transducer for Digital Signal Processing Development Kit in Implementation of a High Step-up DC-DC Converter**
Koç Y.
Journal of Advanced Applied Sciences, vol.2, no.2, pp.51-56, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **GENERALIZED TOPOLOGIES, PERFORMANCE AND EFFICIENCY COMPARISON OF THE HIGH STEP-UP NON-ISOLATED CASCADE COUPLED INDUCTOR DC-DC BOOST CONVERTERS**
Koç Y.
9th International Aegean Congress on Innovation Technologies & Engineering, İzmir, Turkey, 23 - 25 February 2024, pp.203-204
- II. **GENERALIZED TOPOLOGIES, PERFORMANCE AND EFFICIENCY COMPARISON OF THE HIGH STEP-UP NON-ISOLATED STACKED COUPLED INDUCTOR DC-DC BOOST CONVERTERS**
Koç Y.
EJONS 16th INTERNATIONAL CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL & MEDICAL SCIENCES, İstanbul, Turkey, 11 - 13 November 2023, pp.22
- III. **GENERALIZED TOPOLOGIES, PERFORMANCE AND EFFICIENCY COMPARISON OF HIGH VOLTAGE GAIN DA-DA CONVERTERS WITHOUT TRANSFORMER AND WITHOUT COUPLING INDUCTOR**
Koç Y.
6. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 7 - 08 October 2023, pp.709-721

Activities in Scientific Journals

Levantine Journal of Applied Sciences (IJOAS), Committee Member, 2024 - Continues

Metrics

Publication: 7

Citation (WoS): 7

Citation (Scopus): 25

H-Index (WoS): 1

H-Index (Scopus): 1