

Res. Asst. GÖKHAN ÇAKAL

Personal Information

Office Phone: [+90 312 210 6088](tel:+903122106088)

Email: gcakal@metu.edu.tr

Web: <https://avesis.metu.edu.tr/gcakal>

International Researcher IDs

ScholarID: c6JMHMwAAAAJ

ORCID: 0000-0002-7665-6271

Publons / Web Of Science ResearcherID: ABA-1469-2020

ScopusID: 57210440001

Yoksis Researcher ID: 283026

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Mechanical and Thermal Design of an Optimized PCB Motor for an Integrated Motor Drive System with GaNFETs**
TOKGÖZ F., Gulsuna O., KARAKAYA F., ÇAKAL G., KEYSAN O.
IEEE Transactions on Energy Conversion, vol.38, no.1, pp.653-661, 2023 (SCI-Expanded)
- II. **Flat winding made of aluminum or copper sheet for axial flux machines**
ÇAKAL G., KEYSAN O.
IET ELECTRIC POWER APPLICATIONS, vol.15, no.4, pp.429-440, 2021 (SCI-Expanded)
- III. **Axial flux generator with novel flat wire for direct-drive wind turbines**
Çakal G., Keysan O.
IET RENEWABLE POWER GENERATION, vol.15, no.1, pp.139-152, 2021 (SCI-Expanded)
- IV. **Comparison of PCB winding topologies for axial-flux permanent magnet synchronous machines**
TOKGÖZ F., ÇAKAL G., KEYSAN O.
IET ELECTRIC POWER APPLICATIONS, vol.14, no.13, pp.2577-2586, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Design and implementation of an optimized printed circuit board axial-flux permanent magnet machine**
TOKGÖZ F., ÇAKAL G., KEYSAN O.
2020 International Conference on Electrical Machines, ICEM 2020, Virtual, Gothenburg, Sweden, 23 - 26 August 2020, pp.111-116
- II. **Design of Double Sided Linear Motor with Easy to Manufacture Hairpin Plate Winding**
ÇAKAL G., KEYSAN O.
12th International Symposium on Linear Drives for Industry Applications (LDIA), Neuchatel, Switzerland, 1 - 03

July 2019

III. **Design and Optimization of Reduced Torque Ripple Rotary Voice Coil Motor**

Çakal G., Zeinali R., KEYSAN O.

2018 XIII International Conference on Electrical Machines (ICEM), Alexandroupoli, Greece, 3 - 06 September 2018, pp.663

Metrics

Publication: 7

Citation (WoS): 4

Citation (Scopus): 28

H-Index (WoS): 1

H-Index (Scopus): 4