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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2011 - 2016

Postgraduate, Islamic Azad University, mühendislik fakültesi, elektrik- elektronik, Iran 2006 - 2009

Undergraduate, Islamic Azad University, Elektrik-Elektronik, Iran 2000 - 2004

Dissertations

Doctorate, DAĞITIM TRANSFORMATÖRLERİNDEKİ DENGESİZ GERİLİM ETKİLERİNİN SONLU ELEMANLAR YÖNTEMİ KULLANILARAK DEĞERLENDİRİLMESİ VE TERMAL MODELLEMESİ, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 2016

Research Areas

Electrical and Electronics Engineering, Power Electronics, Electrical Machine Theory and Design, Electric Motor Drivers, Power Quality, Engineering and Technology

Courses

HIGH VOLTAGE TECHNIQUES(A), Undergraduate, 2018 - 2019

ELECTRICAL MACHINERY(A), Undergraduate, 2018 - 2019

introduction to power electronics, Undergraduate, 2018 - 2019

ELECTRICAL DISTRIBUTION SYSTEMS(A), Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimization and Performance Improvement of Grid-Connected PV Plant Based on ANN-PSO and P&O Algorithms**
Ali A. H., NAJAFI A.
INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, vol.2022, 2022 (SCI-Expanded)
- II. **Optimized Thermal Modeling and Broken Rotor Bar Fault Detection of BDFIG with Discrete Wavelet Transform**
NAJAFI A., ÇAVUŞ B.

- ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.50, no.14-15, pp.776-787, 2022 (SCI-Expanded)
- III. **Comparison of core loss and magnetic flux distribution in amorphous and silicon steel core transformers**
Najafi A., Iskender I.
ELECTRICAL ENGINEERING, vol.100, no.2, pp.1125-1131, 2018 (SCI-Expanded)
- IV. **An improved thermal model for distribution transformer under unbalanced voltage conditions**
Najafi A., Iskender I.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.104, pp.373-385, 2016 (SCI-Expanded)
- V. **A new approach to reduce the leakage flux and electromagnetic force on distribution transformer under unbalanced faults based on finite element method**
Najafi A., Iskender I.
INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, vol.26, no.4, pp.901-916, 2016 (SCI-Expanded)
- VI. **Electromagnetic force investigation on distribution transformer under unbalanced faults based on time stepping finite element methods**
Najafi A., Iskender I.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.76, pp.147-155, 2016 (SCI-Expanded)
- VII. **A novel concept for derating of transformer under unbalance voltage in the presence of non linear load by 3-D finite element method**
Najafi A., Iskender I.
ELECTRICAL ENGINEERING, vol.97, no.1, pp.45-56, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **PERFORMANCE INVESTIGATION OF A 5 MW PHOTOVOLTAIC SYSTEM: ALFASHIR SUDAN**
Mohammed Ali A., Najafi A.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.32, no.1, pp.1192-1203, 2024 (Peer-Reviewed Journal)
- II. **AN ECONOMIC AND TECHNICAL REVIEW FOR THE UTILIZATION OF HVDC IN TURKEY AND IN THE WORLD**
ACAROĞLU H., NAJAFI A., KARA Ö., YÜRÜK B.
Konya mühendislik bilimleri dergisi (Online), vol.9, no.3, pp.809-835, 2021 (Peer-Reviewed Journal)
- III. **Electromagnetic-Temperature Analysis of Amorphous Core Transformer by Multiple Physics Method**
Najafi A., Iskender I.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.21, pp.1086-1096, 2021 (Peer-Reviewed Journal)
- IV. **Çatı Üstü Termal ve Elektrik Enerjisi Üretiminin Ekonomik ve Çevresel Getirilerinin Araştırılarak Optimal PV-T Tasarımı**
Najafi A., Uyar S.
EMO Bilimsel Dergi, vol.1, pp.21-30, 2021 (Peer-Reviewed Journal)
- V. **Zasey'e Dayalı Harmonikli Yük ve Dengesiz Besleme Gerilimi Altında Transformatörün İndirgenmesinin Karşılaştırılması**
Najafi A.
Konya journal of engineering Science, vol.8, pp.336-353, 2020 (Peer-Reviewed Journal)
- VI. **Impacts Of Amorphous Core To Reduce The Losses In Distribution Transformer Based On Time Stepping Finite Element Method**
Najafi A., Iskender I.
International Journal of Technical and Physical Problems of engineering "(IJTPE) , vol.4, pp.53-57, 2015 (Peer-Reviewed Journal)

VII. Thermal Modeling and Electromagnetic Analysis of 1000 kVA Distribution Transformer Based on Electrical-Thermal Equivalent circuit and Fem

Najafi A.

Global Advanced Research Journal of Engineering, Technology and Innovation (GARJETI), vol.4, no.2, pp.24-30, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. 600W DC DC CONVERTER DESIGN USING FLYBACK, HALF BRIDGE, FULL BRIDGE LLC TOPOLOGIES AND COMPARISON OF SIMULATION RESULTS

Ekici Ö. E., Najafi A., Dirisağlık F.

International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 4 - 07 November 2021, vol.16, pp.219-224

II. A Dual-Band Microstrip Patch Antenna for Brain-Machine Interface Applications

Salimitorkamani M., ODABAŞI H., NAJAFI A.

15th European Conference on Antennas and Propagation, EuCAP 2021, Düsseldorf, Germany, 22 - 26 March 2021

Metrics

Publication: 30

Citation (WoS): 64

Citation (Scopus): 84

H-Index (WoS): 5

H-Index (Scopus): 6