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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAJ-7612-2021

ScopusID: 57210583190

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Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, Turkey 2019 - Continues

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, Turkey 2016 - 2019

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, Turkey 2012 - 2016

Dissertations

Postgraduate, INVESTIGATION OF SHADING EFFECTS AND POWER LOSS REDUCTION IN GRID CONNECTED PV SYSTEMS, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2019

Research Areas

Electrical and Electronics Engineering, Energy, Renewable energy, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Improving LVRT capability in grid connected PV system using DRL based controller**
ÖZGENÇ B., Aslanhan Y. A., Altas I. H.
IEEE Access, 2025 (SCI-Expanded)
- II. **Performance improvement of an AVR system by symbiotic organism search algorithm-based PID-F controller**
Ozgenç B., Ayas M. Ş., Altas İ. H.
NEURAL COMPUTING & APPLICATIONS, vol.34, no.10, pp.7899-7908, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design of Evolutionary Algorithm Based PID Controller with filter for an Automatic Voltage Regulator**
ÖZGENÇ B., AYAS M. Ş., ALTAŞ İ. H.

Karadeniz Fen Bilimleri Dergisi, vol.10, no.1, pp.74-90, 2020 (Peer-Reviewed Journal)

II. Optimally Tuned PID Controller Design for an AVR System: A Comparison Study

Özgenç B., Ayas M. Ş., Altaş İ. H.

International Journal of Multidisciplinary Studies and Innovative Technologies, vol.3, no.2, pp.157-161, 2019 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **A Hybrid CNN-LSTM Framework for Unsupervised Anomaly Detection in Water Distribution Plant**
Şahin A. K., Çavdar B., Doğan R. Ö., Ayas S., Özgenç B., Ayas M. Ş.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı (ASYU), Sivas, Turkey, 11 - 13 October 2023
- II. **Anomaly Detection in Predicted Water Treatment Data Using Hybrid CNN-LSTM Network Model**
Özgenç B., Ayas S., Doğan R. Ö., Çavdar B., Şahin A. K., Ayas M. Ş.
31. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, İstanbul, Turkey, 5 - 08 July 2023
- III. **Improving low voltage ride through capability in grid connected PV system using SOS-WOA based PI controller**
ÖZGENÇ B., ALTAŞ İ. H.
14th International Conference on Electrical and Electronics Engineering, ELECO 2023, Virtual, Bursa, Turkey, 30 November - 02 December 2023
- IV. **A Hybrid Optimization Approach to Design Optimally Tuned PID Controller for an AVR System**
ÖZGENÇ B., AYAS M. Ş., ALTAŞ İ. H.
2020 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), Ankara, Turkey, 26 June 2020
- V. **Reducing of Power Losses in Partial Shading PV Systems**
Özgenç B., Altaş İ. H.
Yenilenebilir Enerji Kaynakları Sempozyumu, Antalya, Turkey, 12 - 14 December 2019
- VI. **Comparison of MPPT Algorithms in PV Systems**
ÖZGENÇ B., ALTAŞ İ. H.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, İzmir, Turkey, 31 October - 02 November 2019, pp.1-5
- VII. **Implementation of A New Maximum Power Point Tracking Algorithm for partially shaded PV Systems**
ÖZGENÇ B., ALTAŞ İ. H.
7th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), İstanbul, Turkey, 25 - 26 April 2019, pp.119-123

Supported Projects

Altaş İ. H., Ayas M. Ş., Baysal Y. A., Danayiyen Y., Özgenç B., TUBITAK Project, Grid/Load Integration of Photovoltaic Systems with shadow effect for Energy Continuity, 2023 - 2026

Ayas M. Ş., Ayas S., Özgenç B., Doğan R. Ö., Altaş İ. H., TUBITAK Project, Su Arıtma Ve Dağıtma Sistemlerindeki Aykırılık Tespit Modellerine Yönelik Optimum Kara Kutu Çekişmeli Saldırılarının Tasarlanması Ve Savunma Mekanizmasının Geliştirilmesi, 2022 - 2024

Metrics

Publication: 11

Citation (WoS): 21

Citation (Scopus): 51

H-Index (WoS): 2

H-Index (Scopus): 3