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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği,
Turkey 2023 - Continues

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği,
Turkey 2021 - 2023

Undergraduate, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği,
Turkey 2016 - 2021

Dissertations

Postgraduate, A high efficient and robust MPPT control of a hybrid system, Gazi University, Fen Bilimleri Enstitüsü,
Elektrik Elektronik Mühendisliği, 2023

Academic Titles / Tasks

Research Assistant, TED University, Faculty Of Engineering, Department Of Computer Engineering, 2023 - Continues

Research Assistant, Ostim Technical University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- PV-MPPT Lab: A GUI-Based Education Tool for MPPT Techniques**
KAYIŞLI K., Çağlayan R. Z., Colak I.
IEEE Transactions on Education, vol.67, no.3, pp.453-461, 2024 (SCI-Expanded)

Articles Published in Other Journals

- A Comparative Analysis of P&O, IC and Supertwisting Sliding Mode based MPPT methods for PV and Fuel Cell sourced Hybrid System**
Çağlayan R. Z., Kayışlı K., Roscia M., Belkaid A., Nasri A.
International Journal of Renewable Energy Research, vol.13, no.3, pp.1431-1442, 2023 (ESCI)
- Twisting Sliding Mode Control based Maximum Power Point Tracking**
Çağlayan R. Z., Kayışlı K.
Balkan Journal of Electrical and Computer Engineering, vol.10, no.4, pp.356-362, 2022 (Peer-Reviewed Journal)

III. A Review of Hybrid Renewable Energy Systems and MPPT Methods

Çağlayan R. Z., Kayışlı K., Zhakiyev N., Harrouz A., Çolak İ.

International Journal Of Smart Grid - IJSMARTGRID, vol.6, no.3, pp.72-78, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Tek Fazlı Şebekeye Bağlı H-Köprü İverter Kullanılarak Sağlam Aktif ve Reaktif Güç Kontrolü**
Çöteli R., Kayışlı K., Çağlayan R. Z.
2024 12th International Conference on Smart Grid (icSmartGrid), Setúbal, Portugal, 27 - 29 May 2024, pp.614-617
- II. **Robust Active and Reactive Power Control by using Single-Phase Grid connected H-Bridge Inverter**
Coteli R., KAYIŞLI K., Çağlayan R. Z.
12th International Conference on Smart Grid, icSmartGrid 2024, Hybrid, Setubal, Portugal, 27 - 29 May 2024, pp.614-617
- III. **TEG & Fuel Cell Hybrid System with Sliding Mode Control Based MPPT**
Çağlayan R. Z., KAYIŞLI K., Belkaid A., Colak I., Nasri A.
12th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2023, Oshawa, Canada, 29 August - 01 September 2023, pp.324-330
- IV. **PV&TEG Hybrid System controlled with Fuzzy based MPPT**
Çağlayan R. Z., Kayışlı K., Roscia M., Harrouz A., Bayındır R., Colak I.
11th International Conference on Smart Grid, icSmartGrid 2023, Paris, France, 4 - 07 June 2023
- V. **A Case Study: Standalone Hybrid Renewable Energy Systems**
Çağlayan R. Z., Kayışlı K., Zhakiyev N., Harrouz A., Colak I.
11th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2022, İstanbul, Turkey, 18 - 21 September 2022, pp.284-292

Metrics

Publication: 9

Citation (WoS): 5

Citation (Scopus): 13

H-Index (WoS): 1

H-Index (Scopus): 2