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International Researcher IDs

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Publons / Web Of Science ResearcherID: KHZ-5597-2024

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Education Information

Post Doctorate, University of Texas at Arlington, United States Of America 2020 - 2021

Doctorate, The University of Texas at Arlington, United States Of America 2015 - 2020

Postgraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Turkey 2011 - 2014

Undergraduate Double Major, Yildiz Technical University, Faculty Of Civil Engineering, Turkey 2008 - 2012

Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Turkey 2006 - 2011

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, High-Performance Optimization Methods for Emerging Power Systems, The University of Texas at Arlington, 2020

Research Areas

Electrical and Electronics Engineering

Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, 2022 - Continues

Lecturer PhD, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - 2022

Research Assistant PhD, The University of Texas at Arlington, 2020 - 2021

Research Assistant, The University of Texas at Arlington, 2015 - 2020

Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Elektrik Elektronik Mühen., 2012 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimal allocation of distributed generation on DC Networks**
Altun T.
ENGINEERING SCIENCE AND TECHNOLOGY, AN INTERNATIONAL JOURNAL, vol.57, no.57, pp.101817, 2024 (SCI-Expanded)
- II. **Small-Signal Stability-Constrained Optimal Power Flow for Inverter Dominant Autonomous Microgrids**
Pullaguram D., Madani R., Altun T., Davoudi A.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.69, no.7, pp.7318-7328, 2022 (SCI-Expanded)
- III. **Optimal Power Flow in AC/DC Microgrids with Enhanced Interlinking Converter Modeling**
Pullaguram d., madani r., ALTUN T., Davoudi A.
IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022 (SCI-Expanded)
- IV. **Topology-Cognizant Optimal Power Flow in Multi-Terminal DC Grids**
Altun T., Madani R., Davoudi A.
IEEE TRANSACTIONS ON POWER SYSTEMS, vol.36, no.5, pp.4588-4598, 2021 (SCI-Expanded)
- V. **Observation of State and Topology in DC Networks**
Altun T., Madani R., Davoudi A.
IEEE TRANSACTIONS ON POWER SYSTEMS, vol.36, no.2, pp.879-890, 2021 (SCI-Expanded)
- VI. **Optimal Reconfiguration of DC Networks**
Altun T., Madani R., Yadav A. P., Nasir A., Davoudi A.
IEEE TRANSACTIONS ON POWER SYSTEMS, vol.35, no.6, pp.4272-4284, 2020 (SCI-Expanded)
- VII. **Distributed Resilient Secondary Control of DC Microgrids Against Unbounded Attacks**
Zuo S., Altun T., Lewis F. L., Davoudi A.
IEEE TRANSACTIONS ON SMART GRID, vol.11, no.5, pp.3850-3859, 2020 (SCI-Expanded)
- VIII. **Macromodeling of Electric Machines From Ab Initio Models**
Yadav A. P., Altun T., Madani R., Davoudi A.
IEEE TRANSACTIONS ON ENERGY CONVERSION, vol.35, no.2, pp.908-916, 2020 (SCI-Expanded)
- IX. **Coordinated Electric Vehicle Charging Strategy in Microgrids Containing PV System**
ERDOĞAN N., ERDEN F., ALTUN T.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.4, no.1, pp.9-21, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Alternatif Akım Mikro-şebekelerde Enerji Depolama Sistemlerinin Konum Optimizasyonu**
ALTUN T.
Black Sea Journal of Engineering and Science, 2024 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Resilient Networked Microgrids Against Unbounded Attacks**
Zuo S., ALTUN T., L. Lewis F., Davoudi A.
in: Microgrids: Theory and Practice, , Editor, WILEY, New Jersey, pp.425-456, 2024

Refereed Congress / Symposium Publications in Proceedings

- I. **AI-Assisted EV Fleet Charging Energy Management System**
ALTUN T.
Uluslararası Orta Anadolu Sempozyumu, 16 - 18 May 2024
- II. **Optimal energy storage allocation on power grids**
ALTUN T.
SIVAS INTERNATIONAL CONFERENCE ON SCIENTIFIC AND INNOVATION RESEARCH-III, Sivas, Turkey, 3 - 05 May 2024
- III. **Optimal Corrective Action for a Source Outage on DC Networks**
ALTUN T.
2nd International Conference on Scientific and Innovative Studies ICSIS 2024, 18 April 2024
- IV. **Elektrik Şebekelerinde Siber Güvenlik**
ALTUN T.
1st International Conference on Engineering, Natural and Social Sciences, Konya, Turkey, 20 - 23 December 2022, pp.79
- V. **Türkiye'nin Enerji Politikasına Bakış**
ALTUN T., GÜN ALTUN R. İ.
IX. Yıldız International Social Sciences Congress, Turkey, 26 - 27 December 2022
- VI. **Doğru Akım Şebekelerinde Kontrol Metotları**
ALTUN T.
1st International Conference on Scientific and Academic Research, Konya, Turkey, 10 - 13 December 2022, pp.367
- VII. **DC Mikro-şebekelerde Dağıtık Üretimin Konumu**
ALTUN T.
International Cumhuriyet Artificial Intelligence Applications Conference'22, Sivas, Turkey, 8 - 09 December 2022, pp.129-130
- VIII. **A convex model for joint topology identification and state estimation of power networks**
Madani R., ALTUN T., Davoudi A.
INFORMS Annual Meeting, United States Of America, 08 January 2019
- IX. **Coordinated electric vehicle charging strategy in industrial microgrids containing pv system**
ERDOĞAN N., ERDEN F., ALTUN T.
IV. European Conference on Renewable Energy Systems, United States Of America, 28 December 2015

Metrics

Publication: 20

Citation (WoS): 36

Citation (Scopus): 117

H-Index (WoS): 2

H-Index (Scopus): 4

Non Academic Experience

Public Research Center, Türkiye Enerji, Nükleer ve Maden Araştırma Kurumu, Enerji Araştırma Enstitüsü

Company, Türk Havacılık Uzay Sanayii, Uçak Genel Müdür Yardımcılığı

Public Research Center, TUSAŞ, Uçak Genel Müdür Yardımcılığı