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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, C2 Mastery

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

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

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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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 POWER ELECTRONICS, vol.3, no.3, pp.527-537, 2022 (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. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)

Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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: 9

Citation (WoS): 38

Citation (Scopus): 55

H-Index (WoS): 2

H-Index (Scopus): 4

Non Academic Experience

Company, Türk Havaçılık Uzay Sanayii, Uçak Genel Müdür Yardımcılığı