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Published journal articles indexed by SCI, SSCI, and AHCI

I. **Butterfly optimization algorithm based maximum power point tracking of photovoltaic systems under partial shading condition**
Aygül K., Cikan M., Demirdelen T., Tumay M.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2019 (SCI-Expanded)

II. **A novel hybrid metaheuristic optimization method to estimate medium-term output power for horizontal axis wind turbine**
EKINCI F., Demirdelen T., AKSU I. O., AYGÜL K., ESENBOGA B., BİLGİLİ M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY, vol.233, no.5, pp.646-658, 2019 (SCI-Expanded)

Articles Published in Other Journals

I. **Doğrusal Yükleri Besleyen Şebeke Bağlantılı PV/Akü SistemininTasarımı ve Tam/Kısmi Gölgelenme Durumlarında PerformansAnalizi**
AYGÜL K., DEMİRDELEN T., TÜMAY M.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.37, no.2, pp.97-111, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. **A New Method for Generating Short-Term Power Forecasting Based on Artificial Neural Networks and Optimization Methods for Solar Photovoltaic Power Plants**
DEMİRDELEN T., AKSU I. O., ESENBOGA B., AYGÜL K., EKINCI F., BİLGİLİ M.
in: Solar Photovoltaic Power Plants, Precup R.E, Kamal T., Zulqadar Hassan S., Editor, Springer, Singapore, -, pp.165-189, 2019

II. **A New Method for Generating Short-Term Power Forecasting Based on Artificial Neural Networks and Optimization Methods for Solar Photovoltaic Power Plants**
DEMİRDELEN T., AKSU İ. Ö., ESENBOĞA B., AYGÜL K., EKİNCİ F., BİLGİLİ M.
in: Solar Photovoltaic Power PlantsAdvanced Control and Optimization Techniques, Radu-Emil Precup, Tariq Kamal, Syed Zulqadar Hassan, Editor, Springer Nature, pp.165-187, 2019

Refereed Congress / Symposium Publications in Proceedings

I. **Experimental Partial Shading Analysis of Solar Photovoltaic (PV) Panels in Çukurova Region**
EKİNCİ F., AYGÜL K., ESENBOĞA B., YAVUZDEĞER A., DEMİRDELEN T.
IMSEC 4th International Mediterranean Science and Engineering Congress, Antalya, Turkey, 25 - 27 April 2019

II. **Kısmi Gölgelenme Durumundaki Fotovoltaik Panellerin Maksimum Güç Noktası Takibi için Sistem Tasarımı ve Kontrolü**
AYGÜL K., ESENBOĞA B., EKİNCİ F., DEMİRDELEN T., TÜMAY M.
XVI. Otomatik Kontrol Seminer ve Sergisi, Adana, Turkey, 24 - 25 April 2019

III. **İçten Yanmalı Motora Dayalı Mikro Kojenerasyon Sisteminin MATLAB/Simulink ile Modellemesi ve Performans Analizi**
YAVUZDEĞER A., EKİNCİ F., ESENBOĞA B., AYGÜL K., NAZLIGÜL H.
XVI. Otomatik Kontrol Seminer ve Sergisi, Adana, Turkey, 24 - 25 April 2019

IV. **Tek Faz Bir Transformatörün 2B Sonlu Elemanlar Analizi**
ESENBOĞA B., AYGÜL K., DEMİRDELEN T., TÜMAY M.
GÜÇ SİSTEMLERİ KONFERANSI, Turkey, 15 - 16 November 2018

V. **A Comparative Survey of Battery Energy Storage Systems for Renewable Energy Sources**
AYGÜL K., ESENBOĞA B., KAYAALP R. İ., DEMİRDELEN T., TÜMAY M.
IMCOFE 2018, 24 - 26 July 2018

VI. **Short-Term Generated Power Forecasting Based On Artificial Neural Network In Photovoltaic (Pv) Power Plants**
ESENBOĞA B., AKSU İ. Ö., AYGÜL K., DEMİRDELEN T., EKİNCİ F.
IMCOFE 2018, 24 - 26 July 2018

VII. **Partial Shading Condition Controller for Solar Panels: An Overview**
EKİNCİ F., DEMİRDELEN T., AYGÜL K., BİLGİLİ M.
Uluslararası GAP Yenilenebilir Enerji ve Enerji Verimliliği Kongresi 2018, 10 - 12 May 2018

VIII. **Partial Shading Condition Controllers for Solar Panels: An Overview**
EKİNCİ F., DEMİRDELEN T., AYGÜL K., BİLGİLİ M.
GAPYENEV 2018, 10 - 12 May 2018, pp.62-65

Metrics

Publication: 13
Citation (WoS): 7
Citation (Scopus): 42
H-Index (WoS): 2
H-Index (Scopus): 2