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## Articles

- I. **A Bidirectional Nonisolated Multi-Input DC-DC Converter for Hybrid Energy Storage Systems in Electric Vehicles**  
Akar F., Tavlasoglu Y., Ugur E., Vural B., Aksoy I.  
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.65, no.10, pp.7944-7955, 2016 (SCI-Expanded, Scopus)
- II. **A New MPPT Algorithm for Vehicle Integrated Solar Energy System**  
Nakir İ., Durusu A., Akca H., Ajder A., Ayaz R., Ugur E., Tanrioven M.  
JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.138, 2016 (SCI-Expanded, Scopus)
- III. **Fuel Consumption Comparison of Different Battery/Ultracapacitor Hybridization Topologies for Fuel-Cell Vehicles on a Test Bench**  
Vural B., DUSMEZ S., UZUNOĞLU M., UĞUR E., AKIN B.  
IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS, vol.2, no.3, pp.552-561, 2014 (SCI-Expanded, Scopus)
- IV. **Experimental performance assessment of an online energy management strategy for varying renewable power production suppression**  
Erdiñç O., Elma O., Uzunoglu M., Selamoğulları U. S., Vural B., Ugur E., Boynueğri A. R., Dusmez S.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, pp.4737-4748, 2012 (SCI-Expanded, Scopus)

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Comparison of Different Small Signal Modeling Methods for Bidirectional DC-DC Converter**  
Ugur E., Vural B.  
3rd THE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA), Wisconsin, United States Of America, 19 - 22 October 2014, pp.913-915, (Full Text)
- II. **Carbon emission savings with a renewable energy supplied smart home operation**  
Elma O., Selamoğulları U. S., Uzunoğlu M., Uğur E.  
2013 International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20 - 23 October 2013, pp.0-4, (Full Text)
- III. **Financial payback analysis of small wind turbines for a smart home application in Istanbul Turkey**  
UĞUR E., ELMA O., SELAMOĞULLARI U. S., TANRIÖVEN M., UZUNOĞLU M.  
2013 International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20 - 23 October 2013, (Full Text)
- IV. **Financial Payback Analysis of Small Wind Turbines for a Smart Home Application in Istanbul/Turkey**  
Ugur E., Elma O., Selamoğulları U. S., Tanrioven M., Uzunoglu M.  
International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20 - 23 October 2013, pp.686-689, (Full Text)
- V. **Performance assessment of MPPT algorithms for vehicle integrated solar systems**

Nakir İ., Durusu A., Ugur E., Tanrioven M.

2012 IEEE International Energy Conference and Exhibition, ENERGYCON 2012, Florence, Italy, 9 - 12 September 2012, pp.1034-1038, (Full Text)

**VI. Sensorless Control of BLDCs for All Speed Ranges with Minimal Components**

UĞUR E., UZUNOĞLU M.

International Aegean Conference on Electric Machines and Power Electronics & Electromotion, 01 September 2011, (Full Text)

**VII. Small scale test bench based performance analysis of a fuel cell/ultra-capacitor hybrid vehicular power system with an improved power conditioning unit**

Vural B., Uzunoğlu M., Düşmez S., Uğur E., Erdinç O.

2010 IEEE International Conference on Sustainable Energy Technologies, ICSET 2010, Kandy, Sri Lanka, 6 - 09 December 2010, (Full Text)

**VIII. An experimental comparison of different topologies for fuel-cell, battery and ultra-capacitor in electric vehicle**

VURAL B., Uzunoğlu M., Düşmez S., Uğur E., Yağcıtekin B.

01 December 2010, pp.46-52, (Full Text)

## **Funded Projects**

UĞUR E., TUBITAK Project, Elektrikli araçlarda batarya/ultra-kapasitör hibrit güç sistemi için çift girişli ve çift yönlü bir güç dönüştürücü tasarımı ve uygulaması, 2013 - 2014

UĞUR E., H2T-YILDIZ Hidrojen ve Güneş Enerjili Hibrit Tekne Projesi, 2011 - 2013

## **Metrics**

Publication: 12

Citation (WoS): 303

Citation (Scopus): 414

H-Index (WoS): 7

H-Index (Scopus): 7