

EK-36: 01.01.2016-31.12.2016 Döneminde Prof. Dr. Turhan Nejat Veziroğlu Temiz Enerji Uygulama ve Araştırma Merkezinde Yürütülen Proje ve Yayınlar

Proje Listesi

1. Kompakt Katı Oksit Yakıt Pili Mikro-Kojenerasyon Sistemi Geliştirilmesi (TÜBİTAK, devam ediyor)
2. Ömer Halisdemir Üniversitesi UNIKOP Enerji Evi Projesi (KOP, devam ediyor)
3. Multi-Functional Nanocomposite Materials for Low-temperature Ceramic Fuel Cells (NewIndigo, devam ediyor)
4. PEM Yakıt Pillerinin Parametrik Performans Analizi (BAP YÜLTEP, 2016'da başladı)
5. Metal Destekli Katı Oksit Yakıt Pili Geliştirilmesi (BAP BAGEP, 2016'da başladı)
6. Durable Solid Oxide Fuel Cell Tri-generation System for Low Carbon Buildings (AB, tamamlandı)

Yayın Listesi

1. Effects of fabrication parameters on the performance of solid oxide electrolyzer cell, International Journal of Hydrogen Energy 41 (2016) 9723-9730.
2. Development of anodes for direct oxidation of methane fuel in solid oxide fuel cells, International Journal of Hydrogen Energy 41 (2016) 10021-10029.
3. Effects of operation temperature and reactant gas humidity level on performance of PEM fuel cells, Renewable and Sustainable Energy Reviews 59C (2016) 1298-1306.
4. Investigation of micro-tube solid oxide fuel cell fabrication using extrusion method, International Journal of Hydrogen Energy 41 (2016) 10037-10043.
5. A review on cell/stack designs for high performance solid oxide fuel cells, Renewable and Sustainable Energy Reviews 56C (2016) 1101-1121.
6. A review on micro-level modeling of solid oxide fuel cells, International Journal of Hydrogen Energy 41 (2016) 9968-9981.
7. Investigation of temperature distribution and performance of SOFC short stack with/without machined gas channels, International Journal of Hydrogen Energy 41 (2016) 10030-10036.
8. Microstructural finite element modeling of redox behavior of Ni-YSZ based ceramic SOFC anodes, Ceramics International 42 (2016) 8915-8924.