

Res. Asst. MURAT ÇELİK

Personal Information

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Education Information

Doctorate, Abdullah Gul University, Fen Bilimleri Enstitüsü, Malzeme Bilimi Ve Makine Mühendisliği, Turkey 2016 - Continues
Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Enerji Sistemleri Mühendisliği, Turkey 2013 - 2016
Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2009 - 2013

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Summer School on Energy Storage and Conversion, Ortadoğu Teknik Üniversitesi, 2015

Dissertations

Postgraduate, PBI Esash PEM Yakıt Hücrende İşletme Parametrelerinin Değişken Akım Yoğunluğuna Etkisinin Sayısal Ve Deneysel İncelenmesi, Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2016

Research Areas

Mechanical Engineering, Energy, Hydrogen Technologies and Fuel Cells , Engineering and Technology

Academic Titles / Tasks

Research Assistant, Abdullah Gul University, Mühendislik Ve Doğa Bilimleri Fakültesi, Makine Mühendisliği, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. An experimental and numerical study of the exchange current density in an HTPEM fuel cell
ÇELİK M., ELDEN G.
FUEL CELLS, vol.21, no.6, pp.529-540, 2021 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Deformation Analysis of H₃PO₄ Doped PBI Based Membrane Electrode Assemblies**
TAŞ M., ÇELİK M., ELDEN G.
International Conference on Energy Systems Engineering (ICESE'17), Karabük, Turkey, 2 - 04 November 2017, pp.1
- II. **Effect of the relative humidity on the activation polarization in a PBI based PEM fuel cell**
ÇELİK M., ELDEN G.
International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 08 October 2017, pp.214
- III. **Numerical Characterization of Permeability Tensor of Fiber Preforms for Liquid Composite Molding Applications**
ÇELİK M., ÇİFTÇİ C., ESKİZYEYBEK V., ŞAŞ ÇAYCI H. S.
International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 08 October 2017, pp.655
- IV. **Effect Of Relative Humidity On The Performance Of A High Temperature PBI Based PEM Fuel Cell**
ÇELİK M., ELDEN G.
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS, İstanbul, Turkey, 23 - 25 December 2015, pp.176-179

Supported Projects

ŞEN Ü., ÇELİK M., ERKARTAL M., Project Supported by Higher Education Institutions, Polimer Elektrolit Yakıt Hücreleri için Metal-Organik Kafes Yapılar İçeren Proton İletken Nano-kompozit Membranların Üretilmesi, 2015 - 2017
TUBITAK Project, FOSFORİK ASİT - POLYBENZİMİDAZOL ESASLI POLİMER ELEKTROLİT MEMBRANLı YAKIT PILİNDEKİ SUYUN TRANSFERİNİN ARAŞTIRILMASI, 2011 - 2014

Metrics

Publication: 5