

Semih Ateş

Personal Information

Email: atessem@itu.edu.tr

Other Email: 1semihates@gmail.com

Web: <https://avesis.itu.edu.tr/atessem>

International Researcher IDs

ORCID: 0000-0003-1651-7576

Yoksis Researcher ID: 317343

Education Information

Postgraduate, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Turkey 2018 - 2019

Undergraduate, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Turkey 2012 - 2018

Dissertations

Postgraduate, Hidrojen redüksiyon yöntemi ile LaFeSi temelli manyetokalik malzeme üretimi, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2020

Research Areas

Ceramic Materials, Physical Properties, Electrical and Magnetic Properties, Thermal Treatment, Nanomaterials, Principles of Foundry Technology, Iron and Steel Production

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis of calcium, copper and iron alginate hydrogels doped with Ag nanoparticles produced by chemical reduction method**
Uysal E., Ateş S., Safaltın Ş., Dikmetaş D. N., Devocioğlu D., Karbancıoğlu Güler H. F., Gürmen S.
MATERIALS CHEMISTRY AND PHYSICS, vol.281, 2022 (SCI-Expanded)
- II. **Performance comparison of FeNiCo, FeNiCu and FeNiCoCu alloy particles as catalyst material for polymer electrolyte membrane fuel cells**
Ateş S., Tari D., Safaltın Ş., Kucukelyas B., Yeşiltepe Özçelik D., Gürmen S.
REACTION KINETICS MECHANISMS AND CATALYSIS, vol.134, no.2, pp.811-822, 2021 (SCI-Expanded)

Kerereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Characterization of Chromium Diboride (CrB₂) Nanoparticles**
Aysel E., Süzer İ., Ateş S., Akbari A., Mertdinç S., Öveçoğlu M. L., Ağaoğulları D.
6nd International Conference on Material Science and Technology in Cappadocia, 26 - 28 November 2021, pp.471
- II. **LaFeSi Based Magnetocaloric Material Production by Hydrogen Reduction Method from Their Oxalate Powders and Production Optimization**
ATEŞ S., KARAAĞAÇ Ö., KÖÇKAR H., GÜRMEN S.
International Materials Technologies and Metallurgy Conference, 31 October - 01 November 2019
- III. **Performance Comparison of Different Alloy Particles as Catalyst Materials for Polymer Electrolyte Membrane Fuel Cells**
ATEŞ S., Tarı D., SAFALTIN Ş., KÜÇÜKELYAS B., YEŞİLTEPE D., GÜRMEN S.
International Metallurgy and Materials Congress, 25 - 27 October 2018
- IV. **Reduced Graphene Oxide/FeNiCoCu Catalyst Materials Production, Characterization for PEMFC Its Electrochemical Modelling Studies, and Performance Comparison**
Tarı D., ATEŞ S., SAFALTIN Ş., KÜÇÜKELYAS B., YEŞİLTEPE D., GÜRMEN S.
International Metallurgy and Materials Congress, 25 - 27 October 2018

Supported Projects

Arisoy C. F., Ateş S., Dizdar K. C., Erasmus Project, Skills and competencies for a Circular Human Resources Management in the Foundry Sector, 2020 - 2022
Gürmen S., TUBITAK Project, Soğutma Sektörüne Yönelik LaFeSi Temelli Manyetokalorik Malzeme Üretimi, 2019 - 2020

Metrics

Publication: 11
Citation (WoS): 1
Citation (Scopus): 9
H-Index (WoS): 1
H-Index (Scopus): 2

Awards

Ateş S., Tarı D., Safaltın Ş., Küçükelyas B., Yeşiltepe Özçelik D., Gürmen S., Best poster award, İstanbul Teknik Üniversitesi, October 2017

Non Academic Experience

Chalmers University of Technology