

Assoc. Prof. HASAN AĞIL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AEI-3167-2022

ScopusID: 25924673100

Yoksis Researcher ID: 113500

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2008 - 2014

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2006 - 2008

Undergraduate, Bolu Abant İzzet Baysal University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2001 - 2006

Associate Degree, Ondokuz Mayıs University, Bafra Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, Turkey 1997 - 1999

Dissertations

Doctorate, Organik bileşik katkılı MgB₂ süperiletken tellerin üretimi ve fiziksel karakterizasyonu, Ankara University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2014

Postgraduate, Bor esaslı intermetalik bileşiklerin manyetik, yapısal ve termal karakterizasyonu, Ankara University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2008

Academic Titles / Tasks

Associate Professor, Hakkari University, Mühendislik Fakültesi, Malzeme Bilimi Ve Mühendisliği Bölümü, 2022 - Continues

Hakkari University, Mühendislik Fakültesi, Malzeme Bilimi Ve Mühendisliği Bölümü, 2014 - Continues

Lecturer, Hakkari University, Çölemerik Meslek Yüksekokulu, Elektrik Ve Enerji Bölümü, 2009 - 2014

Academic and Administrative Experience

Hakkari University, 2019 - Continues

Hakkari University, 2016 - 2017

Hakkari University, 2014 - 2017

Hakkari University, 2014 - 2016

Courses

Matematik I, Undergraduate, 2020 - 2021
Matematik III, Undergraduate, 2020 - 2021, 2019 - 2020
Fizikte Matematik Metotları I, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Elektromanyetik Teori II, Postgraduate, 2019 - 2020, 2018 - 2019
Matematik II, Undergraduate, 2019 - 2020
Kathal Fiziği I, Postgraduate, 2019 - 2020
Kompleks Değişkenler Teorisi, Undergraduate, 2019 - 2020
Matematik IV, Undergraduate, 2019 - 2020
Diferansiyel Denklemler, Undergraduate, 2019 - 2020, 2018 - 2019
Manyetizma ve Manyetik Malzemelere Giriş, Postgraduate, 2018 - 2019
Malzemelerin Elektriksel Özellikleri, Postgraduate, 2018 - 2019
Süperiletkenliğe Giriş, Postgraduate, 2018 - 2019
Malzeme Karakterizasyonunda X-Işını Teknikleri, Postgraduate, 2018 - 2019
Termodinamik, Associate Degree, 2016 - 2017
Temel Matematik, Associate Degree, 2015 - 2016
Temel Matematik II, Undergraduate, 2015 - 2016
Yüksek Sıcaklık Süperiletkenliğine Giriş, Undergraduate, 2015 - 2016

Advising Theses

HASAN A., HAKAN G., Nadir toprak elementi katkılı BSCCO bulk süperiletkenlerin sol jel yöntemi ile üretimi ve karakterizasyonu, Postgraduate, H.KURT(Student), 2022
HASAN A., Darbeli lazer biriktirme (PLD) sistemi ile üretilen itriyum demir garnet ince filmlerin manyetik tepkisi üzerindeki gerilme etkileri, Postgraduate, S.ÖZOĞLU(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pinning behaviour of carbon black reinforced MgB₂ superconductor fabricated by field assisted sintering technique**
AĞIL H., AĞIL A. A., Ayas E.
Journal of Physics and Chemistry of Solids, vol.189, 2024 (SCI-Expanded)
- II. **Investigation of MgB₂ bulk superconductors synthesized by in situ spark plasma sintering at different temperatures**
AĞIL H., Agil A. A., GÜNER S. B., Ayas E.
Materials Chemistry and Physics, vol.306, 2023 (SCI-Expanded)
- III. **Investigation of the effects of gamma radiation on microstructure, critical current density, and densification properties of lanthanum-added BSCCO bulk ceramic superconductors**
AĞIL H., Agil A. A.
Journal of the Australian Ceramic Society, vol.58, no.2, pp.675-682, 2022 (SCI-Expanded)
- IV. **Research of both γ -irradiation and La₂O₃ addition on structural and magnetoresistivity of Bi-2223 bulk superconductors**
AĞIL H., Ozoglu S.
International Journal of Applied Ceramic Technology, vol.18, no.3, pp.677-683, 2021 (SCI-Expanded)
- V. **Influence of gamma irradiation exposure on structural, electrical and magnetic properties of Bi-2223 with Nb₂O₅ addition**
AĞIL H., Ozoglu S.
Journal of Materials Science: Materials in Electronics, vol.30, no.16, pp.15356-15361, 2019 (SCI-Expanded)
- VI. **Study of microstructure and magneto-transport properties in Bi_{1.6}Pb_{0.4}Sr₂Ca₃GdxCu₄O₈ superconducting systems**

AĞIL H.

Journal of Materials Science: Materials in Electronics, vol.29, no.19, pp.16157-16165, 2018 (SCI-Expanded)

- VII. **Role of Aniline Addition in Structural and Superconducting Properties of MgB₂ Bulk Superconductor**
AĞIL H., Aksu E., GENÇER A.
Journal of Superconductivity and Novel Magnetism, vol.30, no.10, pp.2735-2740, 2017 (SCI-Expanded)
- VIII. **The Effects of Structural, Thermal, and Magnetic Properties of Hexylbenzene-Doped MgB₂ Superconductor**
AĞIL H., Aksu E., Aktürk S., GENÇER A.
Journal of Superconductivity and Novel Magnetism, vol.30, no.7, pp.1727-1736, 2017 (SCI-Expanded)
- IX. **Fabrication and characterization of C₁₅H₁₂O₂ doped MgB₂ bulk superconductors**
Ağıl H., Yetis H., AKDOĞAN M. A., Altug C., Akturk S., GENÇER A.
Cryogenics, vol.63, pp.138-142, 2014 (SCI-Expanded)
- X. **Effects of mgo on the electronic and superconducting properties in succinic acid (C₄H₆O₄) doped MgB₂ bulks**
Ağıl H., Çiçek Ö., Ertekin E., Motaman A., Hossain M., Dou S., GENÇER A.
Journal of Superconductivity and Novel Magnetism, vol.26, no.5, pp.1525-1529, 2013 (SCI-Expanded)
- XI. **Structurally homogeneous MgB₂ superconducting wires through economical wet mixing process**
Hossain M. A., Motaman A., Xu X., See K. W., Çiçek Ö., Ağıl H., Ertekin E., Gencer A., Cheong K., Maeda M., et al.
Materials Letters, vol.91, pp.356-358, 2013 (SCI-Expanded)
- XII. **The effects of annealing temperature on the in-field J_c and surface pinning in silicone oil doped MgB₂ bulks and wires**
Hossain M., Motaman A., Çiçek Ö., AĞIL H., Ertekin E., GENÇER A., Wang X., Dou S.
Cryogenics, vol.52, no.12, pp.755-759, 2012 (SCI-Expanded)
- XIII. **Microstructural and superconducting properties of C₆H₆ added bulk MgB₂ superconductor**
Babaoglu M. G., SAFRAN S., Çiçek Ö., Ağıl H., Ertekin E., Hossain M. A., ERGENÇ E., GENÇER A.
Journal of Magnetism and Magnetic Materials, vol.324, no.21, pp.3455-3459, 2012 (SCI-Expanded)
- XIV. **Physical properties of Sm_{1-x}Gd_xNi₄B compounds**
Kantarci N., Nane O., ÖZÇELİK B., Kervan S., Ağıl H.
Journal of Superconductivity and Novel Magnetism, vol.24, no.1-2, pp.793-799, 2011 (SCI-Expanded)
- XV. **Low field AC susceptibility study of YBCO prepared by top seeded melt growth**
Güçlü N., Yeşilkanat C., AĞIL H., Doğan F., GENÇER A., Kölemen U.
Journal of Superconductivity and Novel Magnetism, vol.24, no.1-2, pp.261-264, 2011 (SCI-Expanded)
- XVI. **Magnetic properties of the PrCo₄ - xNi_xB borides**
AĞIL H., Kervan N., Kervan S., Sözeri H., GENÇER A.
Journal of Alloys and Compounds, vol.478, no.1-2, pp.437-440, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Structural, Electrical and Magnetic Properties of FeO added GdBaCuO Superconductors**
AĞIL H., AKDURAN N.
ADVANCED JOURNAL OF SCIENCE AND ENGINEERING, vol.1, no.4, pp.122-127, 2020 (Peer-Reviewed Journal)
- II. **Niyobyum İlavesinin (Bi, Pb)-2223 Bulk Süperiletken Sistemine Etkisi Üzerine Bir Araştırma**
AĞIL H.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.10, no.4, pp.1188-1194, 2020 (Peer-Reviewed Journal)
- III. **Influences of Cerium Addition on the Structural and Superconducting Properties with Pb and Pb-free Bi₂Sr₂Ca₂Cu₃O₈ System**
Ağıl H.
Cumhuriyet Science Journal, vol.38, no.3, pp.492-501, 2017 (Peer-Reviewed Journal)
- IV. **Observation of magnetocaloric effect in the LaMn_{1.9}Fe_{0.1}Si₂ compound at low fields in the vicinity of phase transition around room temperature**

Refereed Congress / Symposium Publications in Proceedings

- I. **Research on the Impacts of SiC Reinforcement on the Densification, Microstructure, Electrical and Magnetic Properties of MgB₂ Bulk Superconductors Produced by In-Situ Spark Plasma Sintering (SPS) Technique**
AĞIL H., AĞIL A. A., GÜNER S. B., AYAS E.
8th International Conference on Superconductivity and Magnetism (ICSM2023), Muğla, Turkey, 04 May 2023, pp.363
- II. **PHASE FORMATION AND MICROSTRUCTURE PROPERTIES OF MgB₂ SUPERCONDUCTOR SYNTHESIZED BY IN-SITU SPARK PLASMA SINTERING**
AĞIL H.
9th INTERNATIONAL CONFERENCE ON ENGINEERING NATURAL SCIENCES, 13 November 2020
- III. **ROLE OF PRESSURE ON DENSITY AND STRUCTURE OF MgB₂ BULK SUPERCONDUCTOR PREPARED WITH COLD ISOSTATIC PRESS**
AĞIL H.
9th International Conference on Advanced Technologies, 10 - 12 August 2020
- IV. **INFLUENCE OF GAMMA IRRADIATION EXPOSURE ON STRUCTURAL, ELECTRICAL AND MAGNETIC PROPERTIES OF Bi-2223 WITH Nb₂O₅ ADDITION**
Ozoglu S., AĞIL H.
35. Türk Fizik Derneği Uluslararası Fizik Kongresi, Bodrum-Muğla, Turkey, 4 - 08 September 2019
- V. **Study of Microstructure and Magneto-Transport Properties Bi_{1.6}Pb_{0.4}Sr₂Ca₃Gd_xCu₄O₈ Superconducting Systems**
AĞIL H.
6th International Conference on Superconductivity and Magnetism, 29 April - 04 May 2018
- VI. **Influence of Pb on structural and superconducting properties of cerium added Bi₂Sr₂Ca₂Cu₃O_y system**
AĞIL H.
IV. International Multidisciplinary Congress of Eurasia, Roma, Italy, 23 - 25 August 2017
- VII. **Synthesis and Characterization of Gd-Doped Bismuth Based Superconducting Materials**
AĞIL H.
Turkish Physical Society 33rd International Physics Congress, Bodrum/Muğla, Turkey, 6 - 10 September 2017
- VIII. **The Effects of Structural Thermal and Magnetic Properties of Hexylbenzene Doped MgB₂ Superconductor**
AĞIL H., Aksu E., AKTÜRK S., GENÇER A.
5th International Conference on Superconductivity and Magnetism, Muğla, Turkey, 24 - 30 April 2016

Supported Projects

- AĞIL H., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Süperiletkenlik Araştırma Merkez Laboratuvarı, 2010 - Continues
- AĞIL H., Çok Damarlı MgB₂ Süperiletken Üretimi Nano Boyutta Katkılamaya Yöntemi ile Özelliklerinin İyileştirilmesi ve Fiziksel Karakterizasyonu, Continues
- TUBITAK Project, Nano Boyutta SiC ve Aromatik Hidrokarbon Katkılı MgB₂ Süperiletken Külçe Tel Şerit Üretimi ve Karakterizasyonu, Continues
- AĞIL H., TUBITAK Project, Süperiletken Uygulamalarına Yönelik MgB₂'nin Spark Plazma Sinterleme Yöntemi ile Elementel Bor, Magnezyum ve Karbon Tozları Kullanılarak Üretimi ve Karakterizasyonu, 2021 - 2023

AĐIL H., GÜNDOĐMUŐ H., ULUTAŐ C., Project Supported by Higher Education Institutions, YARIİLETKEN İNCE FİLMLEİN ELDE EDİLMESİ VE KARAKTERİZASYONU, 2021 - 2023

AĐIL H., Project Supported by Higher Education Institutions, BSCCO Yüksek Sıcaklık Süperiletkeninin Termal,Yapısal,Elektriksel ve Manyetik Özelliklerine Gama Işımasının Etkileri, 2018 - 2020

AĐIL H., Project Supported by Higher Education Institutions, Katkı Malzemelerinin ve Isıl İşlem Süreçlerinin BSCCO Süperiletken Sistemine Etkileri, 2017 - 2017

AĐIL H., Project Supported by Higher Education Institutions, Nano Boyutta Organik Bileşik Katkılı MgB2 Süperiletken Külçe Üretimi ve Karakterizasyonu, 2014 - 2016

Metrics

Publication: 28

Citation (Scopus): 72

H-Index (Scopus): 6