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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-4519-2019

ScopusID: 25630472500

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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2007 - 2013

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2005 - 2007

Undergraduate, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, Turkey 2000 - 2005

Dissertations

Doctorate, Manyetik Alınganlık Ölçümleri ile Bizmut Tabanlı Seramik Süperiletkenlerin Karakterizasyonu, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2013

Postgraduate, Bi-2223 Süperiletkenlere Li Katkisi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2007

Research Areas

Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2014 - Continues

Courses

Introduction to Superconductivity, Undergraduate, 2023 - 2024

FİZİK II, Undergraduate, 2023 - 2024, 2022 - 2023

FİZİK I, Undergraduate, 2023 - 2024, 2022 - 2023

PHYSICS FOR COMPUTER SCIENCE I, Undergraduate, 2022 - 2023

FİZİK I, Undergraduate, 2022 - 2023

- I. **Structural and Electrical Properties of Nanosized Sm₂O₃ Doped Bi_(1.6)Pb_(0.4)Sr₍₂₎Ca₍₂₎Cu₍₃₎O_y Superconductors**
BİLGİLİ Ö.
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.204, no.5-6, pp.223-234, 2021 (SCI-Expanded)
- II. **Effects of Graphene Oxide Doping on Magnetic and Structural Properties of Bi_{1.6}Pb_{0.4}Sr₂Ca₂Cu₃O_y Superconductor**
BİLGİLİ Ö., YURDDAŞKAL M.
JOURNAL OF ELECTRONIC MATERIALS, vol.50, no.8, pp.4999-5006, 2021 (SCI-Expanded)
- III. **The Effects of Mn Doping on the Structural and Optical Properties of ZnO**
BİLGİLİ Ö.
ACTA PHYSICA POLONICA A, vol.136, no.3, pp.460-466, 2019 (SCI-Expanded)
- IV. **Investigation of effects of MgO nanoparticles addition on the superconducting properties of Bi-2223 superconductors**
Corduk T., BİLGİLİ Ö., KOCABAŞ K.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.19, pp.14689-14695, 2017 (SCI-Expanded)
- V. **The influence of Ag substitution on structural and mechanical properties of (Bi, Pb)-2223 ceramics**
Cevizci B., BİLGİLİ Ö., KOCABAŞ K.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.27, no.12, pp.13171-13178, 2016 (SCI-Expanded)
- VI. **Effects of superconducting parameters of SnO₂ nanoparticles addition on (Bi, Pb)-2223 phase**
Yavuz S., BİLGİLİ Ö., KOCABAŞ K.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.27, no.5, pp.4526-4533, 2016 (SCI-Expanded)
- VII. **Effects of Gd substitution on magnetic, structural and superconducting properties of Bi_{1.7-x}Pb_{0.3}Gd_xSr₂Ca₂Cu₃O_y**
BİLGİLİ Ö., KOCABAŞ K.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.26, no.3, pp.1700-1708, 2015 (SCI-Expanded)
- VIII. **Effect of Nb addition on magnetic, structural and superconducting properties of (Bi, Pb)-2223 superconductors**
BİLGİLİ Ö., KOCABAŞ K.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.7, pp.2889-2897, 2014 (SCI-Expanded)
- IX. **The Effects of Mg Substitution in Bi-2223 Superconductors**
KOCABAŞ K., Ozkan O., BİLGİLİ Ö., Kadioglu Y., YILMAZ H.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.23, no.8, pp.1485-1492, 2010 (SCI-Expanded)
- X. **Effect of Compaction Pressure on Structural and Superconducting Properties of Bi-2223 Superconductors**
KOCABAŞ K., GÖKÇE M., Ciftcioglu M., BİLGİLİ Ö.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.23, no.3, pp.397-410, 2010 (SCI-Expanded)
- XI. **The Effect of Zn Substitution of Ca in BiPbSrCaCuO Superconductors Sintered at 830 degrees C**
KOCABAŞ K., ŞAKİROĞLU S., Ciftcioglu M., Ercan I., EPİK H., BİLGİLİ Ö.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.22, no.8, pp.749-754, 2009 (SCI-Expanded)
- XII. **The Effect of Sintering Temperature in Bi_{1.7}Pb_{0.2}Sb_{0.1}Sr₂Ca₂Cu₃O_y Superconductors**
KOCABAŞ K., BİLGİLİ Ö., Yasar N.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.22, no.7, pp.643-650, 2009 (SCI-Expanded)
- XIII. **Effects of Li Substitution in Bi-2223 Superconductors**
BİLGİLİ Ö., Selamet Y., KOCABAŞ K.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.21, no.8, pp.439-449, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **The structural and optical properties of Al and Mg doped ZnO synthesized by solid state reaction method**
Bilgili Ö.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.1, pp.50-64, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **The effects of pelletization pressure and re-pelletization on the structural and magnetic properties of (Bi, Pb)-2223 superconductors**
Bilgili Ö.
7. Uluslararası Bilimsel Çalışmalar Kongresi (UBCAK), Turkey, 22 November 2021
- II. **The investigation of Mn substitution for MgB₂ samples**
Durmuş H., BİLGİLİ Ö., Kocabaş K.
Turkish Physical Society 37th International Physics Congress – TPS33, Bodrum, Turkey, 01 September 2021, pp.158
- III. **Investigation of Magnetic and Mechanical Properties of Nano Y₂O₃ Doped Bismuth Based Superconducting Materials**
CEVİZCİ E. B., KOCABAŞ K., BİLGİLİ Ö.
Turkish Physical Society 37th International Physics Congress, Turkey, 1 - 05 September 2021
- IV. **The Effect of Nanoscale Al Doping on Microstructural and Superconducting Properties of MgB₂ Samples**
DURMUŞ H., BİLGİLİ Ö., KOCABAŞ K.
Turkish Physical Society 36th International Physics Congress, Turkey, 1 - 05 September 2020
- V. **Investigation of the effect of Mn on superconducting properties of MgB₂ samples by AC magnetic susceptibility and determination of real hardness value by using Vickers microhardness**
Durmuş H., Kocabaş K., Bilgili Ö.
5th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2018), Antalya, Turkey, 12 October 2018
- VI. **The Effect of Zn on Microstructure And Mechanical Properties in MgB₂ Superconductors**
DURMUŞ H., BİLGİLİ Ö., KOCABAŞ K.
Turkish Physical Society 33rd International Physics Congress, Turkey, 6 - 10 September 2017
- VII. **Investigation of Effects of CuO Addition on Structural and Mechanical Properties of ZnO Semiconductors**
KOCABAŞ K., MUTLU Y., BİLGİLİ Ö., OYLUMLUOĞLU G.
Turkish Physical Society 33rd International Physics Congress, Turkey, 6 - 10 September 2017

Supported Projects

Bilgili Ö., Kocabaş K., Project Supported by Higher Education Institutions, Y-123 SÜPERİLETKEN SERAMİKLERİN MANYETİK MEKANİK VE ELEKTRİKSEL ÖZELLİKLERİNİN İNCELENMESİ, 2014 - 2017

Bilgili Ö., Kocabaş K., Project Supported by Higher Education Institutions, MANYETİK ALINGANLIK ÖLÇÜMLERİ İLE BİZMUT TABANLI SERAMİK SÜPERİLETKENLERİN KARAKTERİZASYONU, 2007 - 2009

Scientific Refereeing

DOKUZ EYLÜL ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ FEN VE MÜHENDİSLİK DERGİSİ, National Scientific Refreed

Journal, July 2019

Metrics

Publication: 21

Citation (WoS): 229

Citation (Scopus): 224

H-Index (WoS): 8

H-Index (Scopus): 8