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International Researcher IDs

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Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1990 - 2005

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1986 - 1989

Undergraduate, Inonu University, Fen Edebiyat Fakültesi, Fizik Mühendisliği, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Y2BA3CU5OX($X=0.1-1$) BİLEŞİMİNİN YAPISAL VE ELEKTRİKSEL ÖZELLİKLERİNİN İNCELENMESİ, Inonu University, Fen Bilimleri Enstitüsü, Fizik, 2005

Postgraduate, KALIN FİLİM SİSTEMLERİNDE ELEKTRİKSEL İLETİM, Inonu University, Fen Bilimleri Enstitüsü, Fizik, 1989

Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Structure of Liquids and Solids; Crystallography, Thermal Properties of Condensed Matter, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic structure of bulk material, Magnetic Properties and Materials, Optical Properties, Spectroscopy of Matter, Superconductivity, Natural Sciences

Academic Titles / Tasks

Professor, Inonu University, Fen Edebiyat Fakültesi, Fizik, 2008 - Continues

Associate Professor, Inonu University, Fen Edebiyat Fakültesi, Fizik, 2002 - 2008

Assistant Professor, Inonu University, Fen Edebiyat Fakültesi, Fizik, 1997 - 2002

Research Assistant, Inonu University, Fen Edebiyat Fakültesi, Fizik, 1987 - 1997

Academic and Administrative Experience

Inonu University, Fen Bilimleri Ens., 2016 - Continues
Inonu University, 2008 - Continues
Inonu University, Akçadağ Myo, 2008 - 2011
Inonu University, 2008 - 2011
Inonu University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2000 - 2003
Inonu University, Fen Edebiyat Fakültesi , Fizik Bölümü, 2000 - 2002

Courses

Bilimsel Araştırma Yöntemleri ve Araştırma ve Yayın Etiği, Undergraduate Double Major, 2021-2022
İstatistik Mekanik, Undergraduate Double Major, 2013-2014
Elektrik ve manyetizma, Undergraduate, 2013-2014
Süperiletkenler, Undergraduate, 2013-2014
mekanik, Undergraduate, 2013-2014
Fizikte Kullanılan Deneysel Teknikler, Undergraduate Double Major, 2013-2014

Jury Memberships

Associate Professor Exam, DOÇENTLİK , YÖK, May, 2017
Post Graduate, YÜKSEK LİSANS , İNÖNÜ ÜNİVERSİTESİ, May, 2016
Doctorate, DOKTORA , ÇUKUROVA ÜNİVERSİTESİ, April, 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hydrothermal Synthesis of Polyoxometalate Containing Cobalt Ion, and Its Polyurethane Composites for Dielectric Material Applications**
Kucuk I., Vural S., Kivilcim N., Adiguzel I., KÖYTEPE S., SEÇKİN T.
POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, vol.59, no.16, pp.1822-1841, 2020 (SCI-Expanded)
- II. **Preparation of the copper-based polyoxometalate/polyurethane composites and their dielectric properties**
Küçük İ., Vural S., Kivilcim N., Adigüzel İ., KÖYTEPE S., SEÇKİN T.
POLYMERS & POLYMER COMPOSITES, vol.28, no.7, pp.473-483, 2020 (SCI-Expanded)
- III. **Preparation, Characterization, and Properties of Novel Polyimide-SiO₂ Hybrid Composites Based on Bipyridine for Low Dielectric Applications**
Koytepe S., KUCUK I., SEÇKİN T., ADIGÜZEL H. İ.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.54, no.12, pp.1251-1262, 2015 (SCI-Expanded)
- IV. **Synthesis, Characterization and Dielectric Properties of Rodlike Zinc Oxide-Polyimide Nanocomposites**
VURAL S., Koytepe S., SEÇKİN T., ADIGUZEL I.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.51, no.4, pp.369-376, 2012 (SCI-Expanded)
- V. **Synthesis, characterization, UV and dielectric properties of hexagonal disklike ZnO particles embedded in polyimides**
VURAL S., KÖYTEPE S., SEÇKİN T., ADIGUZEL I.
MATERIALS RESEARCH BULLETIN, vol.46, no.10, pp.1679-1685, 2011 (SCI-Expanded)
- VI. **Synthesis of nickelocene containing polyimides with low-dielectric constants**
KÖYTEPE S., ADIGÜZEL H. İ., SEÇKİN T.

- JOURNAL OF ALLOYS AND COMPOUNDS, vol.470, pp.347-353, 2009 (SCI-Expanded)
- VII. **Molecular design of POSS core star polyimides as a route to low-kappa dielectric materials**
SEÇKİN T., Koeytepe S., ADIGÜZEL H. İ.
MATERIALS CHEMISTRY AND PHYSICS, vol.112, no.3, pp.1040-1046, 2008 (SCI-Expanded)
- VIII. **A study on the thermoelectric power and thermal conductivity properties of the $Y_{1-x}Nd_xBa_2Cu_3O_{7-\delta}$ system**
ADIGÜZEL H. İ., AKSAN M. A., YAKINCI M. C.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.207, pp.258-264, 2008 (SCI-Expanded)
- IX. **Synthesis and dielectric properties of polyimide-titania hybrid composites**
KÖYTEPE S., SEÇKİN T., KIVRILCIM N., ADIGÜZEL H. İ.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.18, no.2, pp.222-228, 2008 (SCI-Expanded)
- X. **Low Dielectric Constant Polyimide-Zirconium Nanocomposites with Improved Thermal Properties**
SEÇKİN T., KÖYTEPE S., Kivircim N., BAHÇE E., ADIGÜZEL İ.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.57, no.5, pp.429-441, 2008 (SCI-Expanded)
- XI. **Infrared, structural and magnetic properties of $La_{0.67}Ca_{0.33}MnO_3$ compound**
ADIGÜZEL H. İ., KOLAT V. S., Gencer H., SECKIN T., ATALAY S.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.21, no.1, pp.43-53, 2007 (SCI-Expanded)
- XII. **Magnetic entropy-change in $La_{0.67-x}Bi_xCa_{0.33}MnO_3$ compound**
ATALAY S., KOLAT V. S., Gencer H., ADIGÜZEL H. İ.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.305, no.2, pp.452-456, 2006 (SCI-Expanded)
- XIII. **Conduction in $Y(1-x)Sc(x)Ba(2)Cu(3)O_y$**
Ulug A., Ulug B., Adiguzel H. İ.
ACTA PHYSICA SLOVACA, vol.55, no.2, pp.229-236, 2005 (SCI-Expanded)
- XIV. **Magnetocaloric effect in the $La_{0.62}Bi_{0.05}Ca_{0.33}MnO_3$ compound**
Gencer H., ATALAY S., ADIGÜZEL H. İ., KOLAT V. S.
PHYSICA B-CONDENSED MATTER, vol.357, pp.326-333, 2005 (SCI-Expanded)
- XV. **Design and characterization of amino and chloro functionalized rhombohedral silsesquioxanes**
Gultek A., Seckin T., Adiguzel H. İ.
TURKISH JOURNAL OF CHEMISTRY, vol.29, no.4, pp.391-399, 2005 (SCI-Expanded)
- XVI. **Degradation of superconducting properties in MgB_2 by formation of the MgB_4 phase**
YAKINCI M., BALCI Y., Aksan M. A., ADIGÜZEL H. İ., GENCER A.
JOURNAL OF SUPERCONDUCTIVITY, vol.15, no.6, pp.607-611, 2002 (SCI-Expanded)
- XVII. **Infrared and structural properties of $Y_{1-x}Nd_xBa_2Cu_3O_{7-\delta}$ ($0 \leq x \leq 1$)**
ADIGÜZEL H. İ., IZGI T.
JOURNAL OF SUPERCONDUCTIVITY, vol.15, no.6, pp.549-551, 2002 (SCI-Expanded)
- XVIII. **Effect of hydrogen charging on the electrochemical and magnetic properties of $Fe_{73.5}M_{1.5}Nb_3Si_{13.5}B_9$ ($M = Cu, Pt, Pd, Ag, Mn$) alloys**
KOLAT V. S., TURKDEMİR H., Adiguzel H. İ., Atalay F., ATALAY S., SOVAK P.
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.189, no.3, pp.817-820, 2002 (SCI-Expanded)
- XIX. **The influence of chromium content on the properties of $Fe_{74-x}Cr_xCu_1Nb_3Si_{13}B_9$ alloys**
Bayri N., Adiguzel H. İ., Atalay S., Sovak P.
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.189, no.3, pp.805-809, 2002 (SCI-Expanded)
- XX. **Infrared absorption study of Fe_2O_3 - CaO - SiO_2 glass ceramics**
Atalay S., Adiguzel H. İ., Atalay F.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.304, pp.796-799, 2001 (SCI-Expanded)
- XXI. **Study of nanocrystalline Fe - M - Cu - Nb - Si - B ($M = Cr, Co, Ni$) ribbons by elastic modulus measurements**
Atalay S., Adiguzel H. İ., Squire P., Sovak P.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.304, pp.918-922, 2001 (SCI-Expanded)

- XXII. **Anomalous resistive transitions in $Y_2Ba_3Cu_5O_x$ and its nearby compositions between 110-204 K**
Adiguzel H. İ., Ulug B.
JOURNAL OF MATERIALS SCIENCE LETTERS, vol.19, no.7, pp.607-608, 2000 (SCI-Expanded)

Supported Projects

BAYRI A., BULUT F., ALTIN S., ALTIN E., ADIGÜZEL H. İ., Project Supported by Higher Education Institutions, Na-iyon piller için demir-krom içeren elektrot geliştirilmesi, 2018 - 2019

Metrics

Publication: 22
Citation (WoS): 348
Citation (Scopus): 307
H-Index (WoS): 11
H-Index (Scopus): 10