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Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Fizik A.B.D., Turkey 1998 - 2003
Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Fizik A.B.D., Turkey 1995 - 1998
Undergraduate, Inonu University, Fen Edebiyat Fakültesi, Fizik Bölümü, Turkey 1991 - 1995

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bi-Bazlı HTc Süperiletkenlerde Fiziksel Özellikler İle Birlikte Termoelektrik Güç ve Termal İletkenlik Karakteristiklerinin İncelenmesi, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2003
Postgraduate, BiSrCaCuO (2223) Cam-Seramik Süperiletken Sistemine Küçük Yarıçaplı İyonların Katılması ve Sistemin Fiziksel ve Elektriksel Özelliklerine Etkilerinin İncelenmesi, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Dr), 1998

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Semiconductor and Superconductor Materials, Electrical and Magnetic Properties, Glass Technology and Glass Ceramics, Material Characterization, Metallic Materials, Nanomaterials, Thermal Properties, Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Thermal Properties of Condensed Matter, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic structure of bulk material, Electronic structure of bulk material, Magnetic Properties and Materials, Superconductivity, Electronic transport in condensed matter, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Inonu University, Fen-Edebiyat Fakültesi, Fizik, 2012 - Continues
Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Fizik, 2007 - 2012
Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Fizik, 1996 - 2006

Academic and Administrative Experience

Inonu University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2007 - Continues
Inonu University, Fen Edebiyat Fakültesi, 2010 - 2016
Inonu University, Bilimsel Ve Teknolojik Araştırma Merkezi, 2008 - 2016
Inonu University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2007 - 2007

Courses

CAM SERAMİKLER, Doctorate, 2016 - 2017
KATIHAL FİZİĞİ I, Postgraduate, 2016 - 2017
KATIHAL FİZİĞİ I, Undergraduate Double Major, 2016-2017
CAM SERAMİKLER, Undergraduate Minor, 2016-2017
CAM SERAMİKLER, Undergraduate Minor, 2013-2014
KLASİK MEKANİK, Undergraduate, 2013-2014
KUANTUM MEKANİĞİ, Undergraduate, 2013-2014
TERMAL FİZİK, Undergraduate Minor, 2013-2014
FİZİKTE TEKNOLOJİK UYGULAMALAR, Undergraduate Double Major, 2012-2013
GENEL FİZİK, Undergraduate, 2012-2013
SÜPERİLETKENLİK I, Undergraduate Double Major, 2011-2012
İLERİ KLASİK MEKANİK, Undergraduate Minor, 2008-2009

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Investigation of martensitic transformation and magnetoresistance properties of cu-substituted Ni-Mn-Sn-B melt spun ribbons**
Kirat G., AKSAN M. A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.529, 2021 (SCI-Expanded)

II. **Magnetocaloric Properties of Ni-Rich Ni50-xCoxMn38Sn12B3 Shape Memory Ribbons**
Kirat G., Kizalaslan O., AKSAN M. A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.34, no.2, pp.581-588, 2021 (SCI-Expanded)

III. **Influence of the Cu substitution on magnetic properties of Ni–Mn–Sn–B shape memory ribbons**
Aksan M. A., Kırat G.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.127, pp.1-9, 2021 (SCI-Expanded)

IV. **Magnetoresistance properties of magnetic Ni-Mn-Sn-B shape memory ribbons and magnetic field sensor aspects operating at room temperature**
Kirat G., KIZILASLAN O., AKSAN M. A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.477, pp.366-371, 2019 (SCI-Expanded)

V. **Thermal and structural characterization of the Bi2-xSmxSr2Ca2Cu3O10+ glass-ceramic system**
KIZILASLAN O., KIRAT G., AKSAN M. A.
INTERNATIONAL JOURNAL OF APPLIED GLASS SCIENCE, vol.8, no.3, pp.344-351, 2017 (SCI-Expanded)

VI. **Preparation and characterization of CaO-Al2O3-SiO2 (CAS) glass-ceramics**
ÖZABACI M., AKSAN M. A., KIRAT G., KIZILASLAN O., YAKINCI M. C.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.454, pp.8-12, 2016 (SCI-Expanded)

VII. **The effect of Sn content on mechanical, magnetization and shape memory behavior in NiMnSn alloys**
Aydogdu Y., Turabi A. S., Kok M., Aydogdu A., Yakinci Z. D., AKSAN M. A., YAKINCI M. C., Karaca H. E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.683, pp.339-345, 2016 (SCI-Expanded)

VIII. **Effect of the Er-substitution on critical current density in glass-ceramic Bi2Sr2Ca2(Cu3-xErx)O10+delta superconducting system**

KIRAT G., KIZILASLAN O., AKSAN M. A.
CERAMICS INTERNATIONAL, vol.42, no.13, pp.15072-15076, 2016 (SCI-Expanded)

IX. **Interlayer tunneling spectroscopy of mixed-phase BSCCO superconducting whiskers**
KIZILASLAN O., TRUCCATO M., SIMSEK Y., AKSAN M. A., KOVAL Y., MUELLER P.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.29, no.6, 2016 (SCI-Expanded)

X. **Enhancement of magnetic relaxation behavior by texturing in Bi-2212 superconducting rods**
ÖZABACI M., KIZILASLAN O., KIRAT G., AKSAN M. A., MADRE M. A., SOTELO A., YAKINCI M. C.
CERAMICS INTERNATIONAL, vol.42, no.7, pp.8325-8330, 2016 (SCI-Expanded)

XI. **Phase stabilization of magnetite (Fe3O4) nanoparticles with B2O3 addition: A significant enhancement on the phase transition temperature**
Topal U., AKSAN M. A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.406, pp.123-128, 2016 (SCI-Expanded)

XII. **Enhancement of the critical current of intrinsic Josephson junctions by carrier injection**
KIZILASLAN O., SIMSEK Y., AKSAN M. A., KOVAL Y., MUELLER P.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.28, no.8, 2015 (SCI-Expanded)

XIII. **Magnetic relaxation behavior in the Bi2Sr2Ca2Cu3-xMoxO10+delta system fabricated by glass-ceramic technique**
KIZILASLAN O., KIRAT G., AKSAN M. A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.384, pp.186-191, 2015 (SCI-Expanded)

XIV. **Adjustable tunneling barrier in bi-based high-T-c cross-whisker junctions**
KIZILASLAN O., SIMSEK Y., AKSAN M. A., KOVAL Y., YAKINCI M. C., MUELLER P.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.28, no.2, 2015 (SCI-Expanded)

XV. **Effect of Co addition on the critical current density of MgB2 superconductor**
KIRAT G., KIZILASLAN O., AKSAN M. A., YAKINCI M. C.
PHYSICA B-CONDENSED MATTER, vol.445, pp.24-27, 2014 (SCI-Expanded)

XVI. **J(c) enhancement and flux pinning of Se substituted YBCO compound**
YAKINCI Z. D., GOKHFELD D. M., ALTIN E., KURT F., ALTIN S., DEMİREL S., AKSAN M. A., YAKINCI M. C.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.24, no.12, pp.4790-4797, 2013 (SCI-Expanded)

XVII. **Crystallization of glass-ceramic Bi(3)Sr(2)Ca(2)Cu(3)Oy superconducting system**
KIZILASLAN O., AKSAN M. A.
JOURNAL OF CRYSTAL GROWTH, vol.381, pp.77-82, 2013 (SCI-Expanded)

XVIII. **Fabrication of BSCCO Films on SrTiO3 Substrates Using Ultrasonic Spray Pyrolysis (USP) Technique**
TURKOGLU S., AKSAN M. A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1869-1872, 2013 (SCI-Expanded)

XIX. **Low Temperature Magnetic Behavior of Ca3Co4Ox Polycrystalline Material**
DEMİREL S., ALTIN S., AKSAN M. A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1617-1620, 2013 (SCI-Expanded)

XX. **Current-Voltage Measurements on a Bi2Sr2CaCu2Ox Whisker and Investigation of Its Vortex Dynamics in Self Field**
ALTIN S., AKSAN M. A., YAKINCI M. C., BERNSTEIN P.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.2037-2040, 2013 (SCI-Expanded)

XXI. **Nanoindentation Properties of HTc Superconducting Single-Crystalline Whiskers**
KIZILASLAN O., Yilmaz F., AKSAN M. A., YAKINCI M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.4, pp.907-911, 2013 (SCI-Expanded)

XXII. **Improved superconducting properties of MgB2 thin films fabricated by ultrasonic spray pyrolysis method at high temperature**
YAKINCI M. C., YAKINCI Z. D., AKSAN M. A., BALCİ Y.
CRYOGENICS, vol.52, no.12, pp.749-754, 2012 (SCI-Expanded)

XXIII. **Low temperature electrical and thermal transport properties of the Ca3-xSbxCo4O9 system**
DEMİREL S., AKSAN M. A., ALTIN S.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.23, no.12, pp.2251-2256, 2012 (SCI-Expanded)

XXIV. **Synthesis of BSCCO Films on MgO (100) Substrate by Ultrasonic Spray Pyrolysis Technique**
TURKOGLU S., AKSAN M. A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.25, no.6, pp.2087-2095, 2012 (SCI-Expanded)

XXV. **Thermoelectric power and thermal conductivity study of the Y3Ba5Cu8Ox system**
AKSAN M. A., KIZILASLAN O., AKSAN E. N., YAKINCI M. C.
PHYSICA B-CONDENSED MATTER, vol.407, no.14, pp.2820-2824, 2012 (SCI-Expanded)

XXVI. **Fabrication of single crystalline Bi-2212 whiskers from Ga added Bi2Sr2Ca2Cu3Ox composition and their thermal, structural, electrical and magnetic properties**
ALTIN S., AKSAN M. A., YAKINCI M. C.
MATERIALS CHEMISTRY AND PHYSICS, vol.133, pp.706-712, 2012 (SCI-Expanded)

XXVII. **Fabrication of NdCeCuO and effects of binding agents on the growth, micro-structural and electrical properties**
ALTIN S., AKSAN M. A., TURKOGLU S., YAKINCI M. C.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.471, pp.1692-1698, 2011 (SCI-Expanded)

XXVIII. **MgB2 fabrication by diffusion-controlled three layered (B-Mg-B) technique**
ALTIN S., AKSAN M. A., YAKINCI M. C.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.72, no.9, pp.1070-1076, 2011 (SCI-Expanded)

XXIX. **Fabrication of single crystalline Bi-2212 whisker with addition of Sb2O3 into the Bi2Sr2Ca2Cu3Ox system and their thermal, structural and superconducting properties**
ALTIN S., AKSAN M. A., YAKINCI M. C.
SOLID STATE SCIENCES, vol.13, no.5, pp.879-886, 2011 (SCI-Expanded)

XXX. **Power Law Dependence of I-V Characteristics of Bi-2212 Whiskers at Low Magnetic Fields**
ALTIN S., ALTIN E., AKSAN M. A., BALCİ Y., YAKINCI M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.223-227, 2011 (SCI-Expanded)

XXXI. **Effect of Bi deficiency on grain alignment of BiPb-2223 thin film fabricated using rf sputtering process and on critical current density properties**
AKSAN M. A., ALTIN S., YAKINCI M. C., GÜLDESTE A., BALCİ Y.
MATERIALS SCIENCE AND TECHNOLOGY, vol.27, no.1, pp.314-319, 2011 (SCI-Expanded)

XXXII. **Oxidation Behavior of Bi(Pb,Ga) SrCaCuO System**
BALCİ Y., Ceylan M., AKSAN M. A., YAKINCI M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.511-513, 2011 (SCI-Expanded)

XXXIII. **Effects of In-situ and Ex-situ Heat-Treatment Procedures on the Transport Properties of the MgB2 Superconducting Thin Films Fabricated by Ultrasonic Spray Pyrolysis (USP) System**
YAKINCI M. C., Aydogdu Y., AKSAN M. A., BALCİ Y., ALTIN S.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.241-245, 2011 (SCI-Expanded)

XXXIV. **Effect of Bi2O3 Addition on the Single-Crystal BiSrCaCuO Whisker Growth**
ALTIN S., AKSAN M. A., ALTIN E., BALCİ Y., YAKINCI M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.331-339, 2011 (SCI-Expanded)

XXXV. **Effect of Substrates on Superconducting Properties of MgB2 Thick Films Fabricated by Spraying Method**
ÖZABACI M., AKSAN M. A., YAKINCI M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.357-363, 2011 (SCI-Expanded)

XXXVI. **Normal State Electronic Properties of Whiskers Fabricated in Bi-, Ga- and Sb-doped BSCCO System Under Applied Magnetic Fields**
ALTIN S., AKSAN M. A., YAKINCI M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.443-448, 2011 (SCI-Expanded)

XXXVII. **Nano-sized Spherical MgB2 Superconducting Powder Fabrication Using MHz Range Ultrasonic Spray Pyrolysis (USP) System**
YAKINCI M. C., AKSAN M. A., BALCİ Y., ALTIN S., ÖNAL Y., Aydogdu Y.

JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.235-239, 2011 (SCI-Expanded)

XXXVIII. **Effect of Ce substitution on superconducting properties of Bi2Sr2Ca2Cu3O10+delta system fabricated by glass-ceramic technique**
OZTURK R., AKSAN M. A., ALTIN S., YAKINCI M. C., BALCİ Y.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.1105-1110, 2011 (SCI-Expanded)

XXXIX. **Kinetics of non-isothermal crystallization of Bi3Sr2Ca2Cu3-xSnxO10+delta glass-ceramics**
Koralay H., Cavdar S., AKSAN M. A.
PHYSICA B-CONDENSED MATTER, vol.405, no.23, pp.4801-4805, 2010 (SCI-Expanded)

XL. **Effects of SnO on growth and physical properties of BSCCO whiskers**
ALTIN S., AKSAN M. A., BALCİ Y., YAKINCI M. C.
MATERIALS SCIENCE AND TECHNOLOGY, vol.26, no.9, pp.1125-1131, 2010 (SCI-Expanded)

XLI. **The single crystal superconducting Bi-2212 whiskers fabrication and their thermal transport properties**
ALTIN S., AKSAN M. A., YAKINCI M. C., BALCİ Y.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.502, no.1, pp.16-23, 2010 (SCI-Expanded)

XLII. **The Effect of Ru Substitution on the Thermal, Structural and Magnetic Properties of Bi3Sr2Ca2Cu3O (delta) Superconducting System**
AKSAN M. A., YAKINCI M. C., KADOWAKI K.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.23, no.3, pp.371-380, 2010 (SCI-Expanded)

XLIII. **Transport Properties under Magnetic Field and J(c)(H) Peak Effect on Single-Crystal Bi-2212 Whiskers**
ALTIN S., AKSAN M. A., BALCİ Y., YAKINCI M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.22, no.8, pp.775-784, 2009 (SCI-Expanded)

XLIV. **A study on the thermoelectric power and thermal conductivity properties of the Y1-xNdxBa2Cu3O7-delta system**
ADIGÜZEL H. İ., AKSAN M. A., YAKINCI M. C.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.207, pp.258-264, 2008 (SCI-Expanded)

XLV. **The effect of Mo addition on the microstructure and J(c) properties of MgB2 tapes fabricated by PIT method**
Bayazit E., ALTIN S., YAKINCI M. C., AKSAN M. A., BALCİ Y.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.457, pp.42-46, 2008 (SCI-Expanded)

XLVI. **Thermal and superconducting properties of glass-ceramic HT(c) BiSrCa(CuPr)O system**
AKSAN M. A., YAKINCI M. C.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.196, pp.365-372, 2008 (SCI-Expanded)

XLVII. **Structural characterization and transport properties of the HTc Bi2Sr2(Ca,Cd)Cu2O8+delta glass-ceramic rods**
Aksan M. A., ALTIN S., BALCI Y., YAKINCI M. E.
MATERIALS CHEMISTRY AND PHYSICS, vol.106, pp.428-436, 2007 (SCI-Expanded)

XLVIII. **Thermoelectric power and thermal conduction studies on the Nd substituted BPSCCO (2234) superconductors**
Ozkurt B., Ocelik B., Kiymac K., AKSAN M. A., YAKINCI M. C.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.467, pp.112-119, 2007 (SCI-Expanded)

XLIX. **Structural and physical properties of nd substituted bismuth cuprates Bi1.7Pb0.3-xNdxSr2Ca3Cu4O12+y**
Oezkurt B., EKICIBIL A., Aksan M. A., Oezcelik B., Yakinci M. E., KIYMAC K.
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.149, pp.105-118, 2007 (SCI-Expanded)

L. **Magnetoresistance properties of Co-added MgB2 tapes prepared by PIT method**
BAYAZIT E., YAKINCI M. E., BALCI Y., Aksan M. A.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.460, pp.610-611, 2007 (SCI-Expanded)

LI. **Effects of thickness on the grain alignment and J(c) properties of (Hg0.8Re0.2)Ba2Ca2Cu3Ox superconductor thick films**

YAKINCI M. E., Aksan M. A., BALCI Y., ALTIN S.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.460, pp.1386-1387, 2007 (SCI-Expanded)

LII. **Effects of preparation pressure on the magnetic and I-V properties of nano Cu particles added MgB2 tapes**
YAKINCI Z. D., BALCI Y., YAKINCI M. E., Aksan M. A.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.460, pp.859-861, 2007 (SCI-Expanded)

LIII. **Fabrication and properties of superconducting single crystal cross-(micro) whiskers junction**
ALTIN S., YAKINCI M. E., Aksan M. A., BALCI Y.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.460, pp.1337-1338, 2007 (SCI-Expanded)

LIV. **Magnetoresistance behavior in the (BiPb)(2)Sr2Ca2Cu3Ox thin films**
Aksan M. A., YAKINCI M. E., GULDESTE A.
THIN SOLID FILMS, vol.515, pp.8022-8027, 2007 (SCI-Expanded)

LV. **Effect of Mo substitution on the structural and transport properties of Bi2Sr2Ca2CU3-xMoxO10+y system**
Aksan M. A., YAKINCI M. E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.433, pp.22-32, 2007 (SCI-Expanded)

LVI. **Thermoelectric power and thermal conduction studies on the Gd substituted BPSCCO (2234) superconductors**
OZKURT B., EKICIBIL A., Aksan M. A., OZCELIK B., YAKINCI M. E., KIYMAC K.
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LVII. **Co-addition into WgB(2): The structural and electronic properties of (MgB2)(2-x)Co-x**
Aksan M. A., YAKINCI M. E., GULDESTE A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.424, pp.33-40, 2006 (SCI-Expanded)

LVIII. **An analysis of load-depth data in depth-sensing microindentation experiments for intermetallic MgB2**
KOLEMEN U., UZUN O., Aksan M. A., GUCLU N., YAKINCI M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.415, pp.294-299, 2006 (SCI-Expanded)

LIX. **Degradation of superconducting properties in MgB2 by Cu addition**
Aksan M. A., GULDESTE A., BALCI Y., YAKINCI M.
SOLID STATE COMMUNICATIONS, vol.137, no.6, pp.320-325, 2006 (SCI-Expanded)

LX. **Thermal analysis study of Bi2Sr2Ca2Cu3-xErxO10+delta glass-ceramic system**
Aksan M. A., YAKINCI M., BALCI Y.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.81, no.2, pp.417-423, 2005 (SCI-Expanded)

LXI. **Fabrication and properties of (Hg0.8Re0.2)Ba2Ca2Cu3Ox superconducting thick films**
YAKINCI M., Aksan M. A., BALCI Y.
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LXII. **Synthesis and characterization of Er-substituted Bi-2223 H-T-c glass-ceramic superconductors**
Aksan M. A., YAKINCI M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.385, pp.33-43, 2004 (SCI-Expanded)

LXIII. **Enhanced Jc properties of MgB2 materials processed under a magnetic field**
Aksan M. A., YAKINCI M., BALCI Y.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.408, pp.132-133, 2004 (SCI-Expanded)

LXIV. **Thermoelectric power and thermal conductivity properties in superconducting (MgB2)(2-x)Cr-x materials**
YAKINCI M., BALCI Y., Aksan M. A.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.408, pp.684-685, 2004 (SCI-Expanded)

LXV. **Effect of substrates on I-c anisotropy in thick film Bi1.7Ga0.3Sr2Ca2Cu3O10+y glass-ceramic superconductors**
YAKINCI Z., BALCI Y., YAKINCI M., Aksan M. A.
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LXVI. **Study on the physical and electrical properties of Bi2-delta Zn delta Sr2Ca2Cu3O10+y glass-ceramic**

superconductors
Aksan M. A., YAKINCI M., BALCI Y.
JOURNAL OF SUPERCONDUCTIVITY, vol.15, no.6, pp.553-558, 2002 (SCI-Expanded)

LXVII. **Crystallization activation energy and hole concentration properties of the Bi2Sr2Ca1-xCdxCu2O8+y glass-ceramic superconductor rods**
OZHANLI Z., YAKINCI M., BALCI Y., Aksan M. A.
JOURNAL OF SUPERCONDUCTIVITY, vol.15, no.6, pp.543-547, 2002 (SCI-Expanded)

LXVIII. **Degradation of superconducting properties in MgB2 by formation of the MgB4 phase**
YAKINCI M., BALCI Y., Aksan M. A., ADIGUZEL H. İ., GENCER A.
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LXIX. **Synthesis and characterization of glass-ceramic Bi2-xGaxSr2Ca2Cu3O10+y superconductors**
Aksan M. A., YAKINCI M., BALCI Y.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.13, no.7, pp.955-963, 2000 (SCI-Expanded)

LXX. **In-situ single chamber arc sputtering process for YCd0.3Ba2Cu3O7-delta superconducting thin films**
YAKINCI M., BALCI Y., Aksan M. A., AYDOGDU Y., ATES H.
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.117, pp.645-649, 1999 (SCI-Expanded)

LXXI. **Thermal conductivity properties of glass-ceramic (Bi2-delta-gamma Ga delta Tl gamma)Sr2Ca2Cu3O10+x high-T-c superconductors**
BALCI Y., YAKINCI M., Aksan M. A., OZDES A., ATES H.
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LXXII. **Thermal conductivity properties of Bi2-alpha Tl alpha Sr2Ca2Cu3O10+z glass-ceramic HTc superconductor rods**
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Refereed Congress / Symposium Publications in Proceedings

I. **Optimizing Hysteresis Width in Ni-Mn-Sb Shape Memory Alloys**
KIRAT G., AKSAN M. A.
4th International Conference on Physical Chemistry and Functional Materials (PCFM'21), Elazığ, Turkey, 08 April 2021

II. **Magnetic-Field-Induced Shape Recovery in Ni-Cu-Mn-Sn-B Ribbons**
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Metrics

Publication: 98
Citation (WoS): 570
Citation (Scopus): 551
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Non Academic Experience

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