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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1999 - 2005

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1995 - 1999

Under Graduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Fizik, Turkey 1991 - 1995

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Superconductivity, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2021 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2012 - 2021

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2006 - 2012

Advising Theses

Öztürk A., İçi Boş Yüksek Sıcaklık Süperiletkenlerinin Manyetik Perdeleme Özelliklerinin Sonle Elemanlar Yöntemi İle İyileştirilmesi, Doctorate, A.KARA(Student), 2021

ÖZTÜRK A., YBaCuO (123) SÜPERİLETKEN SİSTEMİNDE Y YERİNE KİSMİ Dy KATKISININ ETKİLERİNİN İNCELENMESİ, Post Graduate, D.M.(Student), 2011

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. Theoretical Study of the Effect of Magnetic Field Sweep Rate and Temperature on Shielding Efficiency in a Bulk Tube-Shaped HTS

ÖZTÜRK A., Kara A.

JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.33, no.11, pp.3411-3416, 2020 (Journal Indexed in SCI)

- II. **Comparative Investigation on Magnetic Behavior of Partial Rare Earth Element (Re: Lu, Yb, and Dy) Substituted Y0.5Re0.5BCO (123) Superconductors**
 ÖZTÜRK A., Duzgun I., Basoglu M., Celebi S.
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.33, no.3, pp.583-590, 2020 (Journal Indexed in SCI)
- III. **Effect of DC Field on AC-Loss Peak in a Commercial Bi:2223/Ag tape**
 ÖZTÜRK A., Düzgün İ., ÇELEBİ S.
 EUROPEAN PHYSICAL JOURNAL B, vol.80, pp.30601, 2017 (Journal Indexed in SCI)
- IV. **The Effect of Dy Doping on the Magnetic Behavior of YBCO Superconductors**
 Ozturk A., Dogan M., Düzgün İ., Celebi S.
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- V. **Magnetic Relaxation in a Y0.5Lu0.5Ba2Cu3Oy Superconductor at Various Magnetization Levels**
 Celebi S., ÖZTÜRK A., Uysal E., Kutuk S., Duzgun I.
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.28, no.1, pp.33-39, 2015 (Journal Indexed in SCI)
- VI. **Effects of Lu Doping on the Magnetic Behavior of YBCO Superconductors Prepared by MPMG Method**
 Uysal E., ÖZTÜRK A., Kutuk S., Celebi S.
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.27, no.9, pp.1997-2003, 2014 (Journal Indexed in SCI)
- VII. **Properties of MgB2 Thin Films Deposited on Different Substrates Prepared by Ex-Situ Annealing Process**
 Koparan E. T. , ÖZTÜRK A., Bayazit T., Surdu A., Sidorenko A., Yanmaz E.
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.2, pp.267-271, 2013 (Journal Indexed in SCI)
- VIII. **Magnetization Anisotropy in YBCO Superconductors Prepared MPMG Method**
 Celebi S., Kutuk S., BOLAT S., ÖZTÜRK A.
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.25, no.2, pp.267-271, 2012 (Journal Indexed in SCI)
- IX. **Irreversibility Line and Flux Relaxation in Bi:2223/Ag Tape Prepared by CTFF Technique: H//c axis**
 Duzgun I., ÖZTÜRK A., Celebi S.
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- X. **The effect of partial Lu doping on magnetic behaviour of YBCO (123) superconductors**
 ÖZTÜRK A., Duzgun I., Celebi S.
 JOURNAL OF ALLOYS AND COMPOUNDS, vol.495, no.1, pp.104-107, 2010 (Journal Indexed in SCI)
- XI. **AC loss study by AC susceptibility measurement in a commercial Bi:2223/Ag tape prepared by the CTFF method: H parallel to c axis and short specimen**
 Celebi S., Duzgun I., ÖZTÜRK A.
 SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.23, no.2, 2010 (Journal Indexed in SCI)
- XII. **Observations of a hysteresis loss valley in yttrium barium copper oxide superconductors**
 Celebi S., Ozturk A., Kolemen U., LeBlanc M. A. R.
 JOURNAL OF APPLIED PHYSICS, vol.100, no.7, 2006 (Journal Indexed in SCI)
- XIII. **Effect of do bias field superimposed with ac field amplitudes on the hysteresis loss in a sintered YBCO superconductor**
 Ozturk A., Celebi S.
 JOURNAL OF ALLOYS AND COMPOUNDS, vol.421, pp.4-7, 2006 (Journal Indexed in SCI)
- XIV. **AC losses and determination of some superconducting parameters of Ag2O added Bi2223 superconductors**
 Duzgun I., Karaca I., Ozturk A., Celebi S.
 PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.436, no.2, pp.93-98, 2006 (Journal Indexed in SCI)

- XV. **Observations and model of a new ac-loss valley in a YBCO superconductor**
Ozturk A., Celebi S., LeBlanc M.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.18, no.8, pp.1029-1034, 2005 (Journal Indexed in SCI)
- XVI. **Mechanical properties of YBCO and YBCO+ZnO polycrystalline superconductors using Vickers hardness test at cryogenic temperatures**
Kolemen U., Celebi S., Yoshino Y., Ozturk A.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.406, pp.20-26, 2004 (Journal Indexed in SCI)
- XVII. **Superconducting and Vickers hardness properties of ZnO-added YBCO polycrystalline superconductors**
KOLEMEN U., CELEBI S., KARAL H., OZTURK A., Cevik U., NEZIR S., GORUR O.
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol.241, no.2, pp.274-283, 2004 (Journal Indexed in SCI)
- XVIII. **Effect of ZnO additions on the magnetic behaviour in YBCO superconductors**
Celebi S., Kolemen U., Malik A., Ozturk A.
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.194, no.1, pp.260-270, 2002 (Journal Indexed in SCI)
- XIX. **Determination of the material parameters of a melt-textured YBCO superconductor by DC magnetization analysis**
Celebi S., Ozturk A., Yanmaz E., Kopya A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.298, pp.285-290, 2000 (Journal Indexed in SCI)
- XX. **Magnetic responses of a high-T_c semi-reversible YBCO superconductor**
CELEBI S., OZTURK A., Cevik U.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.288, pp.249-254, 1999 (Journal Indexed in SCI)
- XXI. **Fabrication and characterization of Bi_{1.84}Pb_{0.34}Sr_{1.91}Ca_{2.03}Cu_{3.06}O₁₀ superconductors prepared by a wet technique**
Celebi S., Karaca I., Ozturk A., Nezir S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.268, pp.256-260, 1998 (Journal Indexed in SCI)
- XXII. **Flux trapping properties of Bi(Pb)-Sr-Ca-Cu-O superconducting hollow cylinder: the effect of azimuthal flux on flux trapping in the cavity**
Celebi S., Gencer A., Ozturk A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.257, pp.14-18, 1997 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **The effect of potassium doping on resistive transitions and transport critical current of bulk YBCO high-T_c superconductors**
ÇELEBİ S., ÖZTÜRK A., Karaca İ., Kölemen U.
TURKISH JOURNAL OF PHYSICS, vol.24, pp.567-576, 2000 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Measurements of the relaxation at remanent magnetization of Bi: 2223/Ag Tape superconductor produced by Power in Tube (PIT) method**
DÜZGÜN İ., ÖZTÜRK A., ÇELEBİ S.
3rd International Conference on Science, Ecology and Technology (ICONSETE-2017), ROMA, Italy, 14 - 16 August 2017
- II. **Granularity Effect on Magnetic Behaviour in BSCCO Superconductor", , page 53, , 2017, Ottawa, Canada**
ÇELEBİ S., KARACA İ., ÖZTÜRK A.
29th Canadian Material Science Conference, Ottawa, Canada, 20 - 23 June 2017, pp.53
- III. **Granularity Effect on Magnetic Behaviour in Bi_{1.84}Pb_{0.34}Sr_{1.91}Ca_{2.03}Cu_{3.06}O₁₀ Superconductor**

ÇELEBİ S., KARACA İ., ÖZTÜRK A.

29th Canadian Materials Science Conference, Ottawa, Canada, 20 - 23 June 2017

IV. Observation of AC_Loss Valley in a Commercial Bi:2223/Ag Tape

Duzgun I., ÖZTÜRK A., ÇELEBİ S.

III International Conference on Engineering and Natural Science, Budapest, Hungary, 3 - 07 May 2017, pp.346

V. Arc erosion behavior of Cu-nanographite electrical contact materials

VAROL T., ÇANAKÇI A., ÖZTÜRK A.

16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, pp.271-277

VI. Effect of Dy Substitution at Ca Sites in BSCCO Ceramic Superconductors

DÜZGÜN İ., ÖZTÜRK A., ÇELEBİ S.

VII International conference for Young Scientist, Kharkiv, Ukraine, 6 - 10 June 2016

VII. AC hysteresis losses in Y0.5Lu0.5Ba2Cu3O7 superconductor

ÖZTÜRK A., ÇELEBİ S.

5th National Superconductivity Symposium, İzmir Institute of Technology 2011, İzmir, Turkey, İzmir, Turkey, 3 - 06 July 2011

Supported Projects

ALVER Ü., DUMAN M. S. , ÇUVALCI H., ÇANAKÇI A., ASLAN M., AKPINAR M. V. , OKUMUŞ H. İ. , YILDIRIM İ., DENİZ İ., BELDÜZ A. O. , et al, Project Supported by Higher Education Institutions, ZIRHLI YELEKLER İÇİN FONKSİYONEL DERECELENDİRİLMİŞ HİBRİT NANOKOMPOZİT MALZEMELERİN ÜRETİMİ VE ÖZELLİKLERİNİN İNCELENMESİ, 2015 - 2016

Citations

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