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Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, -, Fizik, Türkiye 1999 - 2005

Yüksek Lisans, Karadeniz Teknik Üniversitesi, -, Fizik, Türkiye 1995 - 1999

Lisans, Karadeniz Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, Türkiye 1991 - 1995

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Fizik, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Süperiletkenlik, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik, 2021 - Devam Ediyor

Doç. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik, 2012 - 2021

Yrd. Doç. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik, 2006 - 2012

Yönetilen Tezler

Öztürk A., İÇİ BOŞ SİLİNDİRİK YÜKSEK SICAKLIK SÜPERİLETKENLERİNİN MANYETİK PERDELEME ÖZELLİKLERİNİN SONLU ELEMANLAR YÖNTEMİ İLE İYİLEŞTİRİLMESİ, Doktora, K.A.(Öğrenci), 2021

ÖZTÜRK A., YBaCuO (123) SÜPERİLETKEN SİSTEMİNDE Y YERİNE KİSMİ Dy KATKISININ ETKİLERİNİN İNCELENMESİ, Yüksek Lisans, D.M.(Öğrenci), 2011

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Remanent Magnetization in a Y0.5Lu0.5Ba2Cu3Oy Superconductor: Experimental Studies and

Numerical Computations Using H-Formulation

Çelebi S., Karaahmet Z., Öztürk A.

JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.37, sa.3, ss.499-508, 2024 (SCI-Expanded)

- II. **Specification of Some Superconductivity Parameters by Adding Lutetium to the YBCO (358) Ceramic Superconductor**
Basoglu M., Duzgun I., ÖZTÜRK A.
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- III. **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, cilt.33, sa.11, ss.3411-3416, 2020 (SCI-Expanded)
- IV. **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, cilt.33, sa.3, ss.583-590, 2020 (SCI-Expanded)
- V. **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, cilt.80, ss.30601, 2017 (SCI-Expanded)
- VI. **The Effect of Dy Doping on the Magnetic Behavior of YBCO Superconductors**
Ozturk A., Dogan M., Düzgün İ., Celebi S.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.29, sa.7, ss.1787-1791, 2016 (SCI-Expanded)
- VII. **Magnetic Relaxation in a Y0.5Lu0.5Ba2Cu3Oy Superconductor at Various Magnetization Levels**
Celebi S., ÖZTÜRK A., Uysal E., Kutuk S., Duzgun I.
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- VIII. **Effects of Lu Doping on the Magnetic Behavior of YBCO Superconductors Prepared by MPMG Method**
Uysal E., ÖZTÜRK A., Kutuk S., Celebi S.
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- IX. **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.
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- X. **Magnetization Anisotropy in YBCO Superconductors Prepared MPMG Method**
Celebi S., Kutuk S., BOLAT S., ÖZTÜRK A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.25, sa.2, ss.267-271, 2012 (SCI-Expanded)
- XI. **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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- XII. **The effect of partial Lu doping on magnetic behaviour of YBCO (123) superconductors**
ÖZTÜRK A., Duzgun I., Celebi S.
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- XIII. **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.
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- XIV. **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, cilt.100, sa.7, 2006 (SCI-Expanded)
- XV. **Effect of do bias field superimposed with ac field amplitudes on the hysteresis loss in a sintered YBCO superconductor**
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- XVI. **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, cilt.436, sa.2, ss.93-98, 2006 (SCI-Expanded)
- XVII. **Observations and model of a new ac-loss valley in a YBCO superconductor**
Ozturk A., Celebi S., LeBlanc M.
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- XVIII. **Mechanical properties of YBCO and YBCO+ZnO polycrystalline superconductors using Vickers hardness test at cryogenic temperatures**
Kolemen U., Celebi S., Yoshino Y., Ozturk A.
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- XIX. **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.
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- XX. **Effect of ZnO additions on the magnetic behaviour in YBCO superconductors**
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- XXI. **Determination of the material parameters of a melt-textured YBCO superconductor by DC magnetization analysis**
Celebi S., Ozturk A., Yanmaz E., Kopya A.
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- XXII. **Magnetic responses of a high-T_c semi-reversible YBCO superconductor**
CELEBI S., OZTURK A., Cevik U.
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- XXIII. **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.
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- XXIV. **Flux trapping properties of Bi(Pb)-Sr-Ca-Cu-O superconducting hollow cylinder: the effect of azimuthal flux on flux trapping in the cavity**
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Diğer Dergilerde Yayınlanan Makaleler

- 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.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- 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, İtalya, 14 - 16 Ağustos 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, Kanada, 20 - 23 Haziran 2017, ss.53

III. Granularity Effect on Magnetic Behaviour in $\text{Bi}_{1.84}\text{Pb}_{0.34}\text{Sr}_{1.91}\text{Ca}_{2.03}\text{Cu}_{3.06}\text{O}_{10}$ Superconductor

ÇELEBİ S., KARACA İ., ÖZTÜRK A.

29th Canadian Materials Science Conference, Ottawa, Kanada, 20 - 23 Haziran 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, Macaristan, 3 - 07 Mayıs 2017, ss.346

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

VAROL T., ÇANAKÇI A., ÖZTÜRK A.

16th International Materials Symposium IMSP'2016, Denizli, Türkiye, 12 - 14 Ekim 2016, ss.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, Ukrayna, 6 - 10 Haziran 2016

VII. AC hysteresis losses in $\text{Y}_{0.5}\text{Lu}_{0.5}\text{Ba}_2\text{Cu}_3\text{O}_7$ superconductor

ÖZTÜRK A., ÇELEBİ S.

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

Desteklenen Projeler

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., Yükseköğretim Kurumları Destekli Proje, ZIRHLI YELEKLER İÇİN FONKSİYONEL DERECELENDİRİLMİŞ HİBRİT NANOKOMPOZİT MALZEMELERİN ÜRETİMİ VE ÖZELLİKLERİNİN İNCELENMESİ, 2015 - 2016

Metrikler

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