

Prof. Dr. ALİ ÖZTÜRK

Kişisel Bilgiler

İş Telefonu: [+90 462 377 2548](tel:+904623772548)

Fax Telefonu: [+90 462 325 3197](tel:+904623253197)

E-posta: ozturk@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//ozturk>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0002-5274-2140

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Yoksis Araştırmacı ID: 151852

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 ELEMENLAR YÖNTEMİ İLE İYİLEŞTİRİLMESİ, Doktora, K.A.(Öğrenci), 2021

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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.

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- 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**
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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**
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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.
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- 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**
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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.
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- 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**
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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,**

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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., ÇANAĞCI 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.

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Desteklenen Projeler

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