

Doç.Dr. OLCAY KIZILASLAN

Kişisel Bilgiler

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Eğitim Bilgileri

Post Doktora, Eberhard Kals Universitaet Tübingen, Applied Physics, Ctr Quantum Sci Lisa,, Almanya 2018 - 2018

Post Doktora, Eberhard Kals Universitaet Tübingen, Applied Physics , Ctr Quantum Sci Lisa, Almanya 2016 - 2017

Doktora, İnönü Üniversitesi, Fen Bilimleri, Türkiye 2010 - 2015

Doktora, Friedrich-Alexander-Universitaet Erlangen-Nürnberg, Physical Enstitute, Physics, Almanya 2013 - 2013

Yüksek Lisans, İnönü Üniversitesi, Fen Bilimleri, Türkiye 2008 - 2010

Yaptığı Tezler

Doktora, BİYOMEDİKAL UYGULAMALARA YÖNELİK Bİ-BAZLI DOĞAL JOSEPHSON EKLEMLERİN ÜRETİMİ VE KARAKTERİZASYONU, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2015

Yüksek Lisans, Tek Kristal HTC BSCCO Süperiletken Whisker? ların Mekaniksel Özellikleri, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Fizi, 2010

Araştırma Alanları

Fizik, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Elektronik yapı, arayüzeylerin, ince filmlerin ve düşük boyutlu yapıların elektrik özellikleri, Manyetik özellikler ve malzemeler, Süperiletkenlik, Temel Bilimler

Akademik Unvanlar / Görevler

Doç.Dr., İnönü Üniversitesi, Mühendislik Fakültesi, Biyomedikal Müh., 2020 - Devam Ediyor

Dr.Öğr.Üyesi, İnönü Üniversitesi, Mühendislik Fakültesi, Biyomedikal, 2015 - 2020

Araştırmacı, Eberhard Kals Universitaet Tübingen, Eberhard Kals Universitaet Tübingen/Ctr Quantum Sci LISA, Physics, 2018 - 2018

Yrd.Doç.Dr., İnönü Üniversitesi, Mühendislik Fakültesi, Biyomedikal, 2015 - 2018

Diğer, Eberhard Kals Universitaet Tübingen, Eberhard Kals Universitaet Tübingen/Ctr Quantum Sci LISA, Physics, 2016 - 2017

Araştırma Görevlisi, İnönü Üniversitesi, Fen Fakültesi, Fizik, 2011 - 2015

Diğer, Universitaet Erlangen Nürnberg, Applied Physics institute, 2013 - 2013

Verdiği Dersler

209-Linear Cebir, Lisans, 2017 - 2018

103- Genel Fizik, Lisans, 2017 - 2018

104-Genel Fizik, Lisans, 2017 - 2018

202-Elektro Manyetik Teori, Lisans, 2017 - 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Thermal hysteresis dependent magnetocaloric effect properties of Ni_{50-x}Cu_xMn₃₈Sn₁₂B₃ shape memory ribbons**
KIZILASLAN O.
INTERMETALLICS, cilt.109, ss.135-138, 2019 (Hakemli Dergi)
- II. **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, cilt.477, ss.366-371, 2019 (Hakemli Dergi)
- III. **Resonant Cavity Modes in Bi₂Sr₂CaCu₂O_{8+x} Intrinsic Josephson Junction Stacks**
Zhang H., Wieland R., Chen W., Kizilaslan O., Ishida S., Han C., Tian W., Xu Z., Qi Z., Qing T., et al.
PHYSICAL REVIEW APPLIED, cilt.11, sa.4, 2019 (Hakemli Dergi)
- IV. **Self-Mixing Spectra of Terahertz Emitters Based on Bi₂Sr₂CaCu₂O_{8+delta} Intrinsic Josephson-Junction Stacks**
Huang Y., Sun H., An D., Zhou X., Ji M., Rudau F., Wieland R., Hampp J. S., Kizilaslan O., Yuan J., et al.
PHYSICAL REVIEW APPLIED, cilt.8, sa.5, 2017 (Hakemli Dergi)
- V. **Terahertz Spectroscopy of Dilute Gases Using Bi₂Sr₂CaCu₂O_{8+delta} Intrinsic Josephson-Junction Stacks**
SUN H., YANG Z., KINEV N. V., KISELEV O. S., LV Y., HUANG Y., HAO L., ZHOU X., JI M., TU X., et al.
PHYSICAL REVIEW APPLIED, cilt.8, sa.5, 2017 (Hakemli Dergi)
- VI. **Thermal and structural characterization of the Bi_{2-x}Sm_xSr₂Ca₂Cu₃O_{10+delta} glass-ceramic system**
KIZILASLAN O., KIRAT G., AKSAN M. A.
INTERNATIONAL JOURNAL OF APPLIED GLASS SCIENCE, cilt.8, sa.3, ss.344-351, 2017 (Hakemli Dergi)
- VII. **Tuning THz emission properties of Bi₂Sr₂CaCu₂O_{8+delta} intrinsic Josephson junction stacks by charge carrier injection**
Kizilaslan O., RUDAU F., WIELAND R., HAMPP J. S., ZHOU X. J., JI M., KISELEV O., KINEV N., HUANG Y., HAO L. Y., et al.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.30, sa.3, 2017 (Hakemli Dergi)
- VIII. **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, cilt.454, ss.8-12, 2016 (Hakemli Dergi)
- IX. **Effect of the Er-substitution on critical current density in glass-ceramic Bi₂Sr₂Ca₂(Cu_{3-x}Er_x)O_{10+delta} superconducting system**
KIRAT G., KIZILASLAN O., AKSAN M. A.
CERAMICS INTERNATIONAL, cilt.42, sa.13, ss.15072-15076, 2016 (Hakemli Dergi)
- X. **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, cilt.29, sa.6, 2016 (Hakemli Dergi)
- XI. **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, cilt.42, sa.7, ss.8325-8330, 2016 (Hakemli Dergi)
- 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, cilt.28, sa.8, 2015 (Hakemli Dergi)
- XIII. **Magnetic relaxation behavior in the Bi₂Sr₂Ca₂Cu_{3-x}MoxO_{10+delta} system fabricated by glass-ceramic technique**
KIZILASLAN O., KIRAT G., AKSAN M. A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.384, ss.186-191, 2015 (Hakemli Dergi)
- XIV. **Grain alignment and its relationship with superconductivity and thermal transport of Ni-substituted Bi-2212 textured rods fabricated at two different growth rates**

- ÖZABACI M., KIZILASLAN O., MADRE M. A. , YAKINCI M. C. , SOTELO A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.26, sa.5, ss.3090-3099, 2015 (Hakemli Dergi)
- XV. **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, cilt.28, sa.2, 2015 (Hakemli Dergi)
- XVI. **Growth Speed and Substitution Effects on Alignment and Thermal Transport Properties of Bi-2212 Textured Superconductors**
ÖZABACI M., RASEKH S., KIZILASLAN O., MADRE M. A. , SOTELO A., YAKINCI M. C.
JOM, cilt.67, sa.1, ss.222-232, 2015 (Hakemli Dergi)
- XVII. **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, cilt.445, ss.24-27, 2014 (Hakemli Dergi)
- XVIII. **Crystallization of glass-ceramic Bi(3)Sr(2)Ca(2)Cu(3)Oy superconducting system**
KIZILASLAN O., AKSAN M. A.
JOURNAL OF CRYSTAL GROWTH, cilt.381, ss.77-82, 2013 (Hakemli Dergi)
- XIX. **Nanoindentation Properties of HTc Superconducting Single-Crystalline Whiskers**
KIZILASLAN O., Yilmaz F., AKSAN M. A. , YAKINCI M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.26, sa.4, ss.907-911, 2013 (Hakemli Dergi)
- XX. **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, cilt.407, sa.14, ss.2820-2824, 2012 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Magnetic-Field-Induced Shape Recovery in Ni-Cu-Mn-Sn-B Ribbons**
KIRAT G., KIZILASLAN O., AYDOĞDU Y., AKSAN M. A.
6th International Conference on Superconductivity and Magnetism (ICSM2018), Antalya, Türkiye, 29 Nisan - 04 Mayıs 2018
- II. **Magnetoresistance behavior of the Fe-doped ferromagnetic shape memory (FSM) ribbons**
KIRAT G., KIZILASLAN O., AKSAN M. A.
International Conference on Superconductivity and Magnetism-ICSM2018, Antalya, Türkiye, 08 Nisan 2021
- III. **Magnetic field induced shape recovery in Ni-Mn-Sn-B ribbons**
KIRAT G., KIZILASLAN O., AYDOĞDU Y., AKSAN M. A.
International Conference on Superconductivity and Magnetism-ICSM2018, Antalya, Türkiye, 08 Nisan 2021
- IV. **Magnetic Properties of Fe-Doped Ni-Mn-Sn-B Ferromagnetic Shape Memory Ribbons**
KIRAT G., AKSAN M. A. , KIZILASLAN O.
INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIALS SCIENCE (ICMMS-2017), 11 Ekim 2017 - 15 Ocak 2018, ss.55
- V. **Emission of terahertz radiation from intrinsic Josephson junctions in Bi2Sr2CaCu2O8 stacks**
Hampp J. S. , KIZILASLAN O., Wieland R., Rudau F., Zhou X., Ji M., Huang Y., Hao L., Kinev N. V. , Kiselev O. S. , et al.
Verhandlungen der Deutschen Physikalischen Gesellschaft - DPG, 19 - 24 Mart 2017
- VI. **ways to tune the maximum power of Bi2Sr2CaCu2O8 intrinsic Josephson junction stacks**
rudau f., wieland r., KIZILASLAN O., hampp j., zhou x., ji m., kinev n., huang y., yuan j., hao l., et al.
The 10th International Symposium on Intrinsic Josephson Effects and Plasma Oscillations in High-Tc Superconductors, 9 - 12 Ekim 2016
- VII. **THz emission from Bi 2212 single crystal whiskers**
KIZILASLAN O., Rudau F., Wieland r., Hampp j., zhou x., Ji M., kinev n., huang y., yuan j., An D., et al.
The 10th International Symposium on Intrinsic Josephson Effects and Plasma Oscillations in High-Tc Superconductors (Plasma+ 2016), 9 - 12 Ekim 2016
- VIII. **Bi2Sr2CaCu2O8 intrinsic Josephson junction stacks Coherent THz emission and electrothermal**

properties

rudau f., wieland r., KIZILASLAN O., hampp j., zhou x., ji m., kinev n., huang y., yuan j., an d., et al.

10th International Symposium on Intrinsic Josephson Effects and Plasma Oscillations in High-Tc Superconductors, 9 - 12 Ekim 2016

- IX. **Single Crystal Bi₂Sr₂CaCu₂O₈ THz emitters and YBa₂Cu₃O₇ junction detectors**
Wieland R., Rudau F., KIZILASLAN O., Hampp J., Kinev N., Juan J., huang y., ji m., zhou x., ishii a., et al.
international conference on nano confined superconductors and their application, 3 - 07 Eylül 2016
- X. **Temperature dependence of the interlayer transport mechanism of Bi₂212**
KIZILASLAN O., ŞİMŞEK y., AKSAN M. A. , KOVAL y., MULLER p.
5th international conference on superconductivity and magnetism 2016, 24 - 30 Nisan 2016
- XI. **effect of the Er substitution on critical current density in glass ceramic Bi₂Sr₂Ca₂ Cu_{3-x}Er_x O_{10-delta}**
kirat g., KIZILASLAN O., AKSAN E. N.
international conference on superconductivity and magnetism 2016, 24 - 30 Nisan 2016
- XII. **Effect of the Er-Substitution on Critical Current Density in Glass-Ceramic Bi₂Sr₂Ca₂(Cu_{3-x}Er_x)O_{10-delta} Superconducting System**
KIRAT G., KIZILASLAN O., AKSAN M. A.
5th International Conference on Superconductivity and Magnetism, Muğla, Türkiye, 24 - 30 Nisan 2016, ss.533
- XIII. **Phase purity as a factor controlling the magnetic properties of CaO-Al₂O₃-SiO₂ (CAS) based glass-ceramics**
ÖZABACI M., KIRAT G., KIZILASLAN O., AKSAN M. A. , YAKINCI M. E.
International Conference on Superconductivity and Magnetism-ICSM2016, FETHİYE, Türkiye, 01 Nisan 2016
- XIV. **Effect of the Er-substitution on critical current density in glassceramic Bi₂Sr₂Ca₂(Cu_{3-x}Er_x)O_{10-delta} Superconducting System**
KIRAT G., KIZILASLAN O., AKSAN M. A.
International Conference on Superconductivity and Magnetism-ICSM2016, FETHİYE, Türkiye, 01 Nisan 2016
- XV. **Interlayer Tunneling Spectroscopy of Mixed Phase BSCCO Superconducting Whisker**
KIZILASLAN O., Yılmaz S., AKSAN M. A. , Marco T., Yuri K., Paul M.
The 8th Asian Conference on Applied Superconductivity and Cryogenics, 22 - 25 Kasım 2015
- XVI. **Role of the Fe and Ni substitution in magnetic behavior of the glass ceramic cordierite system**
GÖKHAN K., MURAT Ö., KIZILASLAN O., AKSAN M. A. , YAKINCI M. E.
9th international conference on magnetic and superconducting material, 30 Nisan - 03 Mayıs 2015
- XVII. **enhancement of the critical current of intrinsic josephson junctions by carrier injection**
KIZILASLAN O., Yılmaz S., AKSAN M. A. , Koval Y., YAKINCI M. E. , Müller P.
9th international conference on magnetic and superconducting material, 30 Nisan - 03 Mayıs 2015
- XVIII. **Magnetic Relaxation Studies on Bi₂212 Textured superconductor**
Murat Ö., KIZILASLAN O., Gökhan K., AKSAN M. A. , Andre S., YAKINCI M. E.
9th international conference on magnetic and superconducting material, 30 Nisan - 03 Mayıs 2015

Desteklenen Projeler

ŞİMŞEK M., YAKINCI M. E. , ERDOĞAN A., KIZILASLAN O., ÖZGÜVEN Ö., BİLGİLİ H., DOĞAN B., Yükseköğretim Kurumları Destekli Proje, BİYOMEDİKAL MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİ LABORATUVARLARI ALTYAPI TAMAMLAMA PROJESİ, 2015 - 2018

Metrikler

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