

Doç. Dr. OLCAY KIZILASLAN

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: HLH-6089-2023

ScopusID: 55195941300

Yoksis Araştırmacı ID: 120759

Eğitim Bilgileri

Post Doktora, Eberhard Kals Universitaet Tübingen, Institute of Physics , Almanya 2021 - 2022

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

Lisans, Tokat Gaziosmanpaşa Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Türkiye 2004 - 2008

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

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, İnönü Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2021 - Devam Ediyor
Anabilim/Bilim Dalı Başkanı, İnönü Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2020 - Devam Ediyor
Uygulama ve Araştırma Merkezi Müdürü, İnönü Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2020 - 2021

Verdiği Dersler

202-Elektro Manyetik Teori, Lisans, 2018-2019
209-Lineer Cebir, Lisans, 2017 - 2018
101-Genel Fizik, Lisans, 2018-2019
209-Lineer Cebir, Lisans, 2018-2019
102- Genel Fizik, Lisans, 2018-2019
103- Genel Fizik, Lisans, 2017 - 2018
104-Genel Fizik, Lisans, 2017 - 2018
202-Elektro Manyetik Teori, Lisans, 2017 - 2018
101- Genel Fizik, Lisans, 2017-2018
202-Elektro Manyetik Teori, Lisans, 2017-2018
209-Lineer Cebir, Lisans, 2017-2018
102-Genel Fizik, 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- VI. **Thermal and structural characterization of the Bi_{2-x}Sm_xSr₂Ca₂Cu₃O₁₀₊ glass-ceramic system**
KIZILASLAN O., KIRAT G., AKSAN M. A.
INTERNATIONAL JOURNAL OF APPLIED GLASS SCIENCE, cilt.8, sa.3, ss.344-351, 2017 (SCI-Expanded)

- VII. **Tuning THz emission properties of Bi₂Sr₂CaCu₂O₈+ δ 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- IX. **Effect of the Er-substitution on critical current density in glass-ceramic Bi₂Sr₂Ca₂(Cu_{3-x}Er_x)O₁₀+ δ superconducting system**
KIRAT G., KIZILASLAN O., AKSAN M. A.
CERAMICS INTERNATIONAL, cilt.42, sa.13, ss.15072-15076, 2016 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (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, cilt.28, sa.8, 2015 (SCI-Expanded)
- XIII. **Magnetic relaxation behavior in the Bi₂Sr₂Ca₂Cu_{3-x}MoxO₁₀+ δ 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XVIII. **Crystallization of glass-ceramic Bi₃Sr₂Ca₂Cu₃O_y superconducting system**
KIZILASLAN O., AKSAN M. A.
JOURNAL OF CRYSTAL GROWTH, cilt.381, ss.77-82, 2013 (SCI-Expanded)
- XIX. **Nanoindentation Properties of HT_c 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 (SCI-Expanded)
- XX. **Thermoelectric power and thermal conductivity study of the Y₃Ba₅Cu₈O_x system**
AKSAN M. A., KIZILASLAN O., AKSAN E. N., YAKINCI M. C.
PHYSICA B-CONDENSED MATTER, cilt.407, sa.14, ss.2820-2824, 2012 (SCI-Expanded)

I. **MAGNETOCALORIC EFFECT AROUND CURIE TEMPERATURE IN Ni_{50-x}Cu_xMn₃₈Sn₁₂B₃ SHAPE MEMORY RIBBONS**

KIZILASLAN O.

Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, cilt.61, sa.2, 2019 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Magnetocaloric Effect in Ni_{50-x}CoxMn₃₈Sn₁₂B₃ Shape Memory Ribbons**

KIZILASLAN O.

2ND INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY FUNCTIONAL MATERIALS, 25 - 27 Haziran 2019

II. **Bi₂Sr₂CaCu₂O₈x Terahertz (Thz) Yayıncıların Elektronik ve Elektromanyetik Özelliklerinin İlişkisi**

KIZILASLAN O.

6. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALARI KONGRESİ, 26 - 27 Nisan 2019

III. **Charge carrier concentration dependence of THz emission properties of Bi₂Sr₂Ca₁Cu₂O_x emitters**

KIZILASLAN O.

6th International Conference on Superconductivity and Magnetism- ICSM2018, 29 Nisan - 04 Mayıs 2018

IV. **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

V. **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

VI. **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

VII. **Doping Dependence of THz emission properties of Bi₂Sr₂CaCu₂O₈ Terahertz emitters in a modest range of charge carrier concentration.**

KIZILASLAN O., Fa R., Wieland R., Hampp J. S., Zhou X., Ji M., Kiselev O., Kinev N., Huang Y., Hao L., et al.

INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIALS SCIENCE (ICMMS 2017), Adana, Türkiye, 11 - 15 Ekim 2017

VIII. **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

IX. **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

X. **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

XI. **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

XII. **THz emission from Bi₂212 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

- XIII. **Single Crystal Bi₂Sr₂CaCu₂O₈ THz emitters and YBa₂Cu₃O₇ junction detectors**
Wieland R., Rudau F., KIZILASLAN O., Hampf 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
- XIV. **effect of the Er substitution on critical current density in glass ceramic Bi₂Sr₂Ca₂Cu_{3-x}Er_xO_{10-δ}**
Kirat G., KIZILASLAN O., AKSAN E. N.
international conference on superconductivity and magnetism 2016, 24 - 30 Nisan 2016
- XV. **Temperature dependence of the interlayer transport mechanism of Bi₂212**
KIZILASLAN O., ŞİMŞEK Y., AKSAN M. A., KOVAL Y., MÜLLER P.
5th international conference on superconductivity and magnetism 2016, 24 - 30 Nisan 2016
- XVI. **phase purity as a factor controlling the magnetic properties of CaO-Al₂O₃-SiO₂-CAS based glass ceramics**
Ozabaci M., Kirat G., KIZILASLAN O., AKSAN M. A., YAKINCI M. E.
5th international conference on superconductivity and magnetism 2016, 24 - 30 Nisan 2016
- XVII. **Effect of the Er-Substitution on Critical Current Density in Glass-Ceramic Bi₂Sr₂Ca₂(Cu_{3-x}Er_x)O_{10+δ} Superconducting System**
KIRAT G., KIZILASLAN O., AKSAN M. A.
5th International Conference on Superconductivity and Magnetism, Muğla, Türkiye, 24 - 30 Nisan 2016, ss.533
- XVIII. **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
- XIX. **Effect of the Er-substitution on critical current density in glassceramic Bi₂Sr₂Ca₂(Cu_{3-x}Er_x)O_{10+δ} Superconducting System**
KIRAT G., KIZILASLAN O., AKSAN M. A.
International Conference on Superconductivity and Magnetism-ICSM2016, FETHİYE, Türkiye, 01 Nisan 2016
- XX. **low temperature thermal conductivity properties of textured BSCCO superconductors**
Ozabaci M., Kirat G., KIZILASLAN O., AKSAN M. A., YAKINCI M. E.
superconducting materials on their way from physics to applications, 17 - 20 Şubat 2016
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **Large range variation of superconductivity in Bi₂Sr₂Ca₁Cu₂O_{8-x} intrinsic Josephson junctions**
KIZILASLAN O., ŞİMŞEK Y., AKSAN M. A., KOVAL Y., YAKINCI M. E., MÜLLER P.
4th international conference on superconductivity and magnetism, 27 Nisan - 02 Mayıs 2014
- XXVI. **c-axis characterization of BSCCO cross-whisker junction**
KIZILASLAN O., ŞİMŞEK Y., AKSAN M. A., KOVAL Y., YAKINCI M. E., MÜLLER P.
7th asian conference on applied superconductivity and cryogenics, 23 - 25 Ekim 2013

Desteklenen Projeler

KIZILASLAN O., ZENGİN R., KIRAT G., ŞİMŞEK M., ÖZGÜVEN Ö., DOĞAN B., BİLGİLİ H., AKSAN M. A., ERDOĞAN A., Yükseköğretim Kurumları Destekli Proje, RF PÜSKÜRTME TEKNİĞİ İLE HİDROKSİAPATİT VE FLORAPATİT KAPLANMIŞ ORTODONTİK ŞEKİL HAFIZALI NİTİ TELLERİN HAZIRLANMASI, 2018 - 2021

ERDOĞAN A., KIZILASLAN O., ABBASOV T., SARİMEŞELİ PAÇACI A., BİLGİLİ H., Yükseköğretim Kurumları Destekli Proje, Doksorubisin Yüklü Manyetik Nanoparçacıkların Sentezlenmesi ve Karakterizasyonu, 2018 - 2021

KIZILASLAN O., KLEİNER R., Yükseköğretim Kurumları Destekli Proje, Süperiletken THz cihazların ısıma gücünün artırılması ve frekans aralığının kontrol edilmesi, 2018 - 2019

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

Yayın: 47
Atıf (WoS): 204
Atıf (Scopus): 204
H-İndeks (WoS): 8
H-İndeks (Scopus): 8

Akademi Dışı Deneyim

The Eberhard Karls Universität Tübingen
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Erlangen Üniversitesi