

Assoc. Prof. OLCAY KIZILASLAN

Personal Information

Email: olcay.kizilaslan@inonu.edu.tr

Education Information

Post Doctorate, Eberhard Kals Universitaet Tübingen, Applied Physics, Ctr Quantum Sci Lisa,, Germany 2018 - 2018

Post Doctorate, Eberhard Kals Universitaet Tübingen, Applied Physics , Ctr Quantum Sci Lisa, Germany 2016 - 2017

Doctorate, Inonu University, Fen Bilimleri, Turkey 2010 - 2015

Doctorate, Friedrich-Alexander-Universitaet Erlangen-Nürnberg, Physical Enstitute, Physics, Germany 2013 - 2013

Post Graduate, Inonu University, Fen Bilimleri, Turkey 2008 - 2010

Dissertations

Doctorate, BİYOMEDİKAL UYGULAMALARA YÖNELİK Bİ-BAZLI DOĞAL JOSEPHSON EKLEMLERİN ÜRETİMİ VE KARAKTERİZASYONU, Inonu University, Fen Bilimleri Enstitüsü, Fizik, 2015

Post Graduate, Tek Kristal HTc BSCCO Süperiletken Whisker? ların Mekaniksel Özellikleri, Inonu University, Fen Bilimleri Enstitüsü, Fizi, 2010

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Magnetic Properties and Materials, Superconductivity, Natural Sciences

Academic Titles / Tasks

Associate Professor, Inonu University, Mühendislik Fakültesi, Biyomedikal Müh., 2020 - Continues

Assistant Professor, Inonu University, Mühendislik Fakültesi, Biyomedikal, 2015 - 2020

Assistant Professor, Inonu University, Mühendislik Fakültesi, Biyomedikal, 2015 - 2018

Other, Eberhard Kals Universitaet Tübingen, Science, Applied Physics, 2016 - 2017

Research Assistant, Inonu University, Fen Fakültesi, Fizik, 2011 - 2015

Other, Universitaet Erlangen Nürnberg, Science, Applied Physics, 2013 - 2013

Courses

209-Linear Cebir, Under Graduate, 2017 - 2018

103- Genel Fizik, Under Graduate, 2017 - 2018

104-Genel Fizik, Under Graduate, 2017 - 2018

202-Elektro Manyetik Teori, Under Graduate, 2017 - 2018

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

- I. **Thermal hysteresis dependent magnetocaloric effect properties of Ni_{50-x}Cu_xMn₃₈Sn₁₂B₃ shape memory ribbons**
KIZILASLAN O.
INTERMETALLICS, vol.109, pp.135-138, 2019 (Journal Indexed in SCI)
- 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, vol.477, pp.366-371, 2019 (Journal Indexed in SCI)
- 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, vol.11, 2019 (Journal Indexed in SCI)
- 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, vol.8, 2017 (Journal Indexed in SCI)
- 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, vol.8, 2017 (Journal Indexed in SCI)
- 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, vol.8, pp.344-351, 2017 (Journal Indexed in SCI)
- 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, vol.30, 2017 (Journal Indexed in SCI)
- 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, vol.454, pp.8-12, 2016 (Journal Indexed in SCI)
- 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, vol.42, pp.15072-15076, 2016 (Journal Indexed in SCI)
- 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, vol.29, 2016 (Journal Indexed in SCI)
- 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, vol.42, pp.8325-8330, 2016 (Journal Indexed in SCI)
- 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, vol.28, 2015 (Journal Indexed in SCI)
- 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, vol.384, pp.186-191, 2015 (Journal Indexed in SCI)
- 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, vol.26, pp.3090-3099, 2015 (Journal Indexed in

SCI)

- 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, vol.28, 2015 (Journal Indexed in SCI)
- 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, vol.67, pp.222-232, 2015 (Journal Indexed in SCI)
- 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, vol.445, pp.24-27, 2014 (Journal Indexed in SCI)
- XVIII. **Crystallization of glass-ceramic Bi(3)Sr(2)Ca(2)Cu(3)O_y superconducting system**
KIZILASLAN O., AKSAN M. A.
JOURNAL OF CRYSTAL GROWTH, vol.381, pp.77-82, 2013 (Journal Indexed in SCI)
- 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, vol.26, pp.907-911, 2013 (Journal Indexed in SCI)
- 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, vol.407, pp.2820-2824, 2012 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- 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, Turkey, 29 April - 04 May 2018
- II. **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 (ICCMMS-2017), 11 October 2017 - 15 January 2018, pp.55
- III. **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 March 2017
- IV. **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-T_c Superconductors, 9 - 12 October 2016
- V. **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-T_c Superconductors, 9 - 12 October 2016
- VI. **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-T_c Superconductors (Plasma+ 2016), 9 - 12 October 2016
- VII. **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 September 2016

- VIII. **effect of the Er substitution on critical current density in glass ceramic Bi₂Sr₂Ca₂ Cu₃ xEr_x O₁₀ d**
kirat g., KIZILASLAN O., AKSAN E. N.
international conference on superconductivity and magnetism 2016, 24 - 30 April 2016
- IX. **Temperature dependence of the interlayer transport mechanism of Bi 2212**
KIZILASLAN O., ŞİMŞEK y., AKSAN M. A. , KOVAL y., MULLER p.
5th international conference on superconductivity and magnetism 2016, 24 - 30 April 2016
- X. **Effect of the Er-Substitution on Critical Current Density in Glass-Ceramic Bi₂Sr₂Ca₂(Cu₃-xEr_x)O₁₀+delta Superconducting System**
KIRAT G., KIZILASLAN O., AKSAN M. A.
5th International Conference on Superconductivity and Magnetism, Muğla, Turkey, 24 - 30 April 2016, pp.533
- XI. **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 November 2015
- XII. **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 April - 03 May 2015
- XIII. **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 April - 03 May 2015
- XIV. **Magnetic Relaxation Studies on Bi 2212 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 April - 03 May 2015

Supported Projects

ŞİMŞEK M., YAKINCI M. E. , ERDOĞAN A., KIZILASLAN O., ÖZGÜVEN Ö., BİLGİLİ H., DOĞAN B., Project Supported by Higher Education Institutions, BİYOMEDİKAL MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİ LABORATUVARLARI ALTYAPI TAMAMLAMA PROJESİ, 2015 - 2018

Citations

Total Citations (WOS):67

h-index (WOS):5