

Prof. ŞÜKRÜ ÇAVDAR

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2002 - 2004

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 1994 - 2000

Under Graduate, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Talyum tabanlı yüksek sıcaklık süperiletkenlerin elektrik ve manyetik özelliklerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2004

Post Graduate, Dört boyutlu ising modelin creutz cellular automation ile incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 1998

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Fizik Bölümü, 2018 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Fizik Bölümü, 2012 - 2018

Assistant Professor, Gazi University, Fen Fakültesi, Fizik Bölümü, 2009 - 2012

Expert, Diğer (Kurumlar,hastaneler Vb.), Kurumlar, Enerji Ve Tabii Kaynaklar Bakanlığı, 2000 - 2009

Professional Experience

Assistant Director of the Institute, Gazi University, Fen Bilimleri Enstitüsü, 2016 - 2018

Deputy Head of Department, Gazi University, Fen Fakültesi, 2015 - 2016

Advising Theses

ÇAVDAR Ş., Investigation Of Thermal Properties Of Bi_{1,8}Xgaxpb_{0,2}sr₂ca₂oy Glass Ceramic System, Post Graduate,

D.BULUT(Student), 2019

ÇAVDAR Ş., The Investigation Of Bi-Ga Partial Replacement Effect On Magnetic, Mechanical And Microstructural Properties Of Bi(1,8-X)Pb0,2gaxsr2cacu2oy Superconductor, Post Graduate, S.İZMİRLİ(Student), 2019

ÇAVDAR Ş., Lazer ile yapay çivileme merkezleri oluşturulan YBCO şeritlerin süperiletkenlik özelliklerinin incelenmesi, Doctorate, N.TURAN(Student), 2018

Çavdar Ş., TlPb0,3Sr2Ca1-xSexCu2Oy FARKLI ORANLARDA SELENYUM KATKISI YAPILMIŞ TALYUM TABANLI YÜKSEK SICAKLIK SÜPERİLETKENLERİN YAPISAL, FİZİKSEL VE ELEKTRİKSEL ÖZELLİKLERİNİN İNCELENMESİ, Post Graduate, N.KOL(Student), 2014

Çavdar Ş., PbSe KATKILI BSCCO CAM SERAMİĞİNİN TERMAL, MEKANİK VE MİKROYAPISAL ÖZELLİKLERİNİN İNCELENMESİ, Post Graduate, E.DENİZ(Student), 2014

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

- I. **Comparison of Vickers microhardness of undoped and Ru doped BSCCO glass ceramic materials**
Ozturk O., Asikuzun E., Tasci A. T. , Gokcen T., Ada H., KORALAY H., Cavdar Ş.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.5, pp.3957-3966, 2018 (Journal Indexed in SCI)
- II. **Improvement of diode parameters in Al/n-Si Schottky diodes with Coronene interlayer using variation of the illumination intensity**
PAKMA O., ÇAVDAR Ş., KORALAY H., TUĞLUOĞLU N., YÜKSEL Ö. F.
PHYSICA B-CONDENSED MATTER, vol.527, pp.1-6, 2017 (Journal Indexed in SCI)
- III. **Experimental and theoretical approaches for magnetic, superconducting and structural characterization of Bi(1.75)Pb(0.2)5Sr(2)Ca(2)Cu(3-x)Sn(x)O(10+y) glass ceramics**
KORALAY H., ÇAVDAR Ş., Arslan A., ÖZTÜRK Ö., TAŞÇI A. T. , TUĞLUOĞLU N.
CRYOGENICS, vol.88, pp.17-21, 2017 (Journal Indexed in SCI)
- IV. **Effect of self and dual-curing on degree of conversion and crosslink density of dual-cure core build-up materials**
KARAKIŞ D., YILDIRIM BİÇER A. Z. , DOĞAN A., KORALAY H., ÇAVDAR Ş.
JOURNAL OF PROSTHODONTIC RESEARCH, vol.61, no.2, pp.210-216, 2017 (Journal Indexed in SCI)
- V. **Laterally Inhomogeneous Barrier Analysis Using Capacitance-Voltage Characteristics of Identically Fabricated Schottky Diodes**
ÇAVDAR Ş., TUĞLUOĞLU N., Akgul K. B. , KORALAY H.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3908-3913, 2016 (Journal Indexed in SCI)
- VI. **Detailed Analysis of Device Parameters by Means of Different Techniques in Schottky Devices**
TUĞLUOĞLU N., KORALAY H., Akgul K. B. , ÇAVDAR Ş.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3859-3865, 2016 (Journal Indexed in SCI)
- VII. **Experimental and theoretical approaches on thermal and structural properties of Zn doped BSCCO glass ceramics**
KORALAY H., Hıçyılmaz O., Cavdar Ş., Ozturk O., Tasci A. T.
MATERIALS SCIENCE-POLAND, vol.34, no.1, pp.25-32, 2016 (Journal Indexed in SCI)
- VIII. **A study on nucleation, crystallization kinetics, microstructure and mechanical properties of Ru-Bi partial substituted BSCCO glass ceramics**
Ozturk O., Gokcen T., Cavdar Ş., KORALAY H., Tasci A. T.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.123, no.2, pp.1073-1082, 2016 (Journal Indexed in SCI)
- IX. **Analysis of inhomogeneous device parameters using current-voltage characteristics of identically prepared lateral Schottky structures**
Tugluoglu N., KORALAY H., Akgul K. B. , Cavdar Ş.
INDIAN JOURNAL OF PHYSICS, vol.90, no.1, pp.43-48, 2016 (Journal Indexed in SCI)
- X. **Structural, electrical and mechanical properties of selenium doped thallium based high-temperature**

superconductors

Cavdar Ş., Kol N., KORALAY H., Ozturk O., Asikuzun E., Tasci A. T.
CRYOGENICS, vol.73, pp.1-7, 2016 (Journal Indexed in SCI)

- XI. **Analysis of the Homogeneous Interface State Density of Identically Prepared Schottky Structures with Nano-Size Oxide Layer by Hill-Coleman Method**
KORALAY H., TUĞLUOĞLU N., Akgul K. B., ÇAVDAR Ş.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.10, no.2, pp.195-199, 2015 (Journal Indexed in SCI)
- XII. **Effect of Zn content on microstructure and mechanical performance in $\text{Bi}_{1.8}\text{Sr}_2\text{Ca}_2\text{Cu}_{3.2-x}\text{Zn}_x\text{O}_{10+\delta}$ glass ceramic**
KORALAY H., Hıcyılmaz O., Cavdar Ş., Asikuzun E., Tasci A. T., Ozturk O.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.7, pp.3116-3126, 2014 (Journal Indexed in SCI)
- XIII. **Structural and mechanical characterization of $\text{Bi}_{1.75}\text{Pb}_{0.25}\text{Sr}_2\text{Ca}_2\text{Cu}_{3-x}\text{Sn}_x\text{O}_{10+y}$ superconductor ceramics using Vickers microhardness test**
KORALAY H., Arslan A., Cavdar Ş., Ozturk O., Asikuzun E., Gunen A., Tasci A. T.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.24, no.11, pp.4270-4278, 2013 (Journal Indexed in SCI)
- XIV. **Effect of vanadium substitution on the microstructural and superconducting properties of $\text{Tl}_2\text{Ba}_2\text{Ca}_2-x\text{V}_x\text{Cu}_3\text{O}_y$ superconductors**
Erbilen E., Cavdar Ş., KORALAY H., Gunen A.
PHYSICA B-CONDENSED MATTER, vol.413, pp.36-39, 2013 (Journal Indexed in SCI)
- XV. **The Effect of PbSe Addition on the Mechanical Properties of Bi-2212 Superconductors**
Cavdar Ş., Deniz E., KORALAY H., Ozturk O., Erdem M., Gunen A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.25, no.7, pp.2297-2307, 2012 (Journal Indexed in SCI)
- XVI. **Crystallization kinetic studies on $\text{Bi}_{(1.75)}\text{Pb}_{(0.25)}\text{Sr}_{(2)}\text{Ca}_{(2)}\text{Cu}_{(3-x)}\text{Sn}_x\text{O}_{(\delta)}$ glass-ceramic by using non-isothermal technique**
Arslan A., KORALAY H., Cavdar Ş., Gunen A.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.358, no.9, pp.1190-1195, 2012 (Journal Indexed in SCI)
- XVII. **Effect of Vanadium Substitution on the Dielectric Properties of Glass Ceramic Bi-2212 Superconductor**
Cavdar Ş., KORALAY H., Altındal Ş.
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.164, pp.102-114, 2011 (Journal Indexed in SCI)
- XVIII. **Kinetics of non-isothermal crystallization of $\text{Bi}_3\text{Sr}_2\text{Ca}_2\text{Cu}_{3-x}\text{Sn}_x\text{O}_{10+\delta}$ glass-ceramics**
KORALAY H., Cavdar Ş., Aksan M. A.
PHYSICA B-CONDENSED MATTER, vol.405, no.23, pp.4801-4805, 2010 (Journal Indexed in SCI)
- XIX. **The electrical transport properties and Hall effect measurements on a (TBCCO) superconductor**
Cavdar Ş., Yakuphanoglu F., KORALAY H., Gunen A.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.434, no.1, pp.85-89, 2006 (Journal Indexed in SCI)
- XX. **Dynamical finite-size scaling function of the four dimensional Ising model for Creutz algorithm**
MERDAN Z., Gunen A., Cavdar Ş.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.359, pp.415-422, 2006 (Journal Indexed in SCI)
- XXI. **Frequency-dependent dielectric characteristics of Tl-Ba-Ca-Cu-O bulk superconductor**
Cavdar Ş., KORALAY H., Tuğluoğlu N., Gunen A.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.18, no.9, pp.1204-1209, 2005 (Journal Indexed in SCI)
- XXII. **Investigation of odd-order harmonic susceptibilities of a bulk $\text{Tl}_2\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ superconductors using critical state approach**
KORALAY H., Gencer A., KORALAY H., KORALAY H., Cavdar Ş.
PHYSICA B-CONDENSED MATTER, vol.363, pp.158-165, 2005 (Journal Indexed in SCI)
- XXIII. **Crystallization kinetics of $\text{Bi}_{1.7}\text{V}_{0.3}\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_x$ glass-ceramic**

KORALAY H., Yakuphanoglu F., Cavdar Ş., Gunen A., Aksu E.
PHYSICA B-CONDENSED MATTER, vol.355, pp.64-71, 2005 (Journal Indexed in SCI)

XXIV. **Microstructural, thermal, and electrical properties of Bi_{1.7}V_{0.3}Sr₂Ca₂Ca₃O_x glass-ceramic superconductor**

Kayed T., Calinli N., Aksu E., KORALAY H., Gunen A., Ercan I., Akturk S., Cavdar Ş.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.39, no.12, pp.1063-1069, 2004 (Journal Indexed in SCI)

XXV. **Effect of B₂O₃ addition on the formation and properties of Tl-2212 and Tl-2223 superconductors**

Cavdar Ş., Aksu E., Koralay H., Ozkan H., HASANLI N., Ercan I.
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.199, no.2, pp.272-276, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **CVD Yöntemi ile Karbon Katkılanmış Bor Kullanılarak Üretilen MgB₂'nin Mikrosertlik Özelliklerinin İncelenmesi**

KAYA N., ÇAVDAR Ş., KORALAY H.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.8, no.1, pp.192-204, 2020 (Other Refereed National Journals)

II. **A NOVEL DEVICE BEHAVIOR OF Al/Coronene/n-GaAs/In ORGANICBASED SCHOTTKY BARRIER DIODE**

AKIN Ü., YÜKSEL Ö. F., PAKMA O., KORALAY H., ÇAVDAR Ş., TUĞLUOĞLU N.

New Materials, Compounds and Applications, vol.3, no.1, pp.15-22, 2019 (Refereed Journals of Other Institutions)

III. **FARKLI ORANLARDA PbO VE Se KATKISININ Bi₂Sr₂Ca₁Cu₂O_x (BSCCO) CAM SERAMİK SİSTEMİNDEKİ ISIL ÖZELLİKLERİNE ETKİSİ**

KORALAY H., KILIÇ G., TUĞLUOĞLU N., ÇAVDAR Ş.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.5, no.1, pp.91-98, 2017 (Other Refereed National Journals)

IV. **Analysis of hopping conduction and space charge limited currents in nearly ideal metal semiconductor contacts**

KORALAY H., TUĞLUOĞLU N., Kübra Bengi A., ÇAVDAR Ş.

Gazi University Journal of Science, vol.27, no.3, pp.901-907, 2014 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. **KORONEN ORGANİK ARAYÜZEY TABAKALI SCHOTTKY DİYOTLARDA KARAKTERİSTİK PARAMETRELERİN BELİRLENMESİ**

KORALAY H., öznel y., TUĞLUOĞLU N., Seçkin A., ÇAVDAR Ş.

2nd International Turkish World Engineering and Science Congress, 7 - 10 November 2019

II. **PRODUCTION OF MgB₂ BY USING CARBONCAPSULATED BORON WITH CVD METHOD**

KORALAY H., KAYA N., ÖZTÜRK Ö., TURAN N., ÇAVDAR Ş.

Türk Fizik Derneği 35. Uluslararası Fizik Kongresi, Turkey, 4 - 08 September 2019

III. **Microstructural, Mechanical And Electrical Characterization Of Co Nanoparticle Doped Y₃Ba₅Cu_{8-x}CoxO₁₈ Superconducting System**

ÖZTÜRK Ö., Arebat R., BULUT F., Nefrow A., ÇELİK Ş., ÇAVDAR Ş., KORALAY H.

6th International Conference on Superconductivity and Magnetism (ICSM 2018), Antalya-Turkey, 29 April - 04 May 2018

IV. **CRYSTALLIZATION KINETICS AND GLASS TRANSITION KINETICS OF THE Bi_{1.9}Pb_{0.3}Sr₂Ca₂Cu_{3-x}CoxO₇ GLASS-CERAMIC SYSTEM**

KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., KAYA N., TURAN N., TAYANÇ T., ÇAVDAR Ş.

6th INTERNATIONAL CONFERENCE ON SUPERCONDUCTIVITY AND MAGNETISM, 29 April - 04 May 2018

V. **Anormal Etkileşmelerde b Kuark Üretiminin FCC de İncelenmesi**

TAŞCI A. T. , ÖZTÜRK Ö., ÇAVDAR Ş., KORALAY H., ÇELİK Ş., ALAMIN R.

1st International Turkish World Engineering and Science Congress – ITWESC, 7 - 10 December 2017

- VI. **Bi(1.8-x)Pb0.2GaxSr2CaCu2Oy cam seramik süperiletkeniniyapısal ve manyetik özelliklerinin incelenmesi**
ÇAVDAR Ş., İZMİRLİ S., TAŞCI A. T. , KORALAY H.
1st International Turkish World Engineering and Science Congress – ITWESC, 7 - 10 December 2017
- VII. **Theoretical and Experimental Approachs on Mechanical Properties of Zn1-xCoxO Binary Tetrahedral Bulk Semiconductors**
ÖZTÜRK Ö., AŞIKUZUN E., TAŞCI A. T. , ÇELİK Ş., KORALAY H., ÇAVDAR Ş.
1nd International Turkish world Engineering and Science Congress in Antalya, 7 - 10 December 2017
- VIII. **BSCCO Cam Seramik Malzemesine Co Katkısının Etkisi**
KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., KAYA N., TAŞCI A. T. , ÇELİK Ş., ÇAVDAR Ş.
1st International Turkish World Engineering and Science Congress, 7 - 10 December 2017
- IX. **Dielectric Properties of Al/Coronene/n-Si Schottky Diode**
KORALAY H., ÇAVDAR Ş., PAKMA O., YÜKSEL Ö. F. , TUĞLUOĞLU N.
International Conference on Condensed Matter and Materials Science, 11 - 15 October 2017
- X. **The Investigation of Magnetic Levitation Force Measurements on Before and After Cut Pasted Single Crystal GdBaCuO Bulk at Different Temperatures**
ÇELİK Ş., GÜNER S. B. , ÖZTÜRK Ö., KORALAY H., ÇAVDAR Ş., ÖZTÜRK K.
International Conference on Condensed Matter and Materials Science (ICMMS-2017), Adana, Turkey, 11 - 15 October 2017, pp.73
- XI. **Micromechanical characterization of yttrium doped ZnO nanoparticles by using depth-sensing indentation method**
ÖZTÜRK Ö., KAYA Ş., BULUT F., ÇELİK Ş., ÇAVDAR Ş., KORALAY H., AKCAN D., ARDA L.
International Conference on Condensed Metter and Materials Science(ICMMS), 11 - 15 October 2017
- XII. **Photovoltaic Calculation of Al/n-Si Schottky Diode with Coronene Interfacial Layer for Solar Cell Applications**
ÇAVDAR Ş., KORALAY H., YÜKSEL Ö. F. , PAKMA O., TUĞLUOĞLU N.
International Conference on Condensed Matter and Materials Science, 11 - 15 October 2017
- XIII. **Laser Modification of 2G-HTS Tapes Surface**
TURAN N., MARTINEZ E., FUENTE G., LAMBAN A., KORALAY H., ÇAVDAR Ş.
EUCAS 2017, 17 - 21 September 2017
- XIV. **Crystallization Kinetics of Nucleation Effect of Ga Doped on BSCCO Glass Ceramic Systems**
ÇAVDAR Ş., BULUT D., KORALAY H.
Central and Eastern European Committee for Thermal Analysis and Calorimetry, 28 - 31 August 2017
- XV. **The Investigation of Structural Features of Bi(1.8-x)Pb0.2GaxSr2CaCu2Oy Glass Ceramic Superconductivity**
ÇAVDAR Ş., TUĞLUOĞLU N., İZMİRLİ S., KAYA N., ÖZTÜRK Ö., KORALAY H.
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017
- XVI. **The Effect of Encapsulation Time on the Encapsulation Carbon of Boron Powder with CVD Method**
KORALAY H., KAYA N., ÇAVDAR Ş., TAŞCI A. T. , ÖZTÜRK Ö., ÇİÇEK B., TUĞLUOĞLU N.
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017
- XVII. **Determination of Suitable Sintering Temperature for MgB₂ Produced by Carbon Encapsulated Boron Obtained by Chemical Vapor Deposition Method**
KORALAY H., KAYA N., TUĞLUOĞLU N., ÖZTÜRK Ö., ÇİÇEK B., ÇAVDAR Ş.
ICCME 2017 : 19th International Conference on Chemical and Materials Engineering, 4 - 05 May 2017
- XVIII. **Presleme Basıncının Al B₄C Fonksiyonel Derecelendirilmiş Malzemenin Üretimine Etkisi**
Barış Ç. Ö. , ÇİNİCİ H., KORALAY H., ÇAVDAR Ş.
22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XIX. **CVD Yöntemiyle Elde Edilen Karbon Kapsüllenmiş Bordan üretilen MgB₂ İçin Uygun Sinterleme Sıcaklığının Belirlenmesi**

- KAYA N., KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., ÇAVDAR Ş.
22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XX. **Bi 1 8 x Pb0 2GaxSr2CaCu2Oy cam seramik süperiletkenininyapısal özelliklerinin incelenmesi**
KAYA N., KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., ÇAVDAR Ş.
22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XXI. **The Effect of Encapsulation on the Encapsulation Carbon of Boron Powder with CVD Method**
KORALAY H., KAYA N., ÇİÇEK B., ÖZTÜRK Ö., ÇAVDAR Ş.
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 28 September - 02 October 2016
- XXII. **Investigation of Current Voltage Characterization of Au n Si Schottky Diode**
TUĞLUOĞLU N., KORALAY H., ÇAVDAR Ş.
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 28 September - 02 October 2016
- XXIII. **Growth of Gd2O3 Gd1 98Ho0 02O3 buffer layers on Ni W tapes using sol gel method**
ÇAVDAR Ş., TURAN N., ARDA L., TUĞLUOĞLU N., KORALAY H.
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 28 September - 02 October 2016
- XXIV. **Influence of Heat Treatment Duration on Mechanical Properties of RuSr2GdCu2Ox**
ÇAVDAR Ş., TURAN N., KAYA N., ÖZTÜRK Ö., TUĞLUOĞLU N., KORALAY H.
ICSM2016, 24 - 30 April 2016
- XXV. **Effect of Doping Zn on BSCCO Superconducting Ceramics**
KORALAY H., Hiçyılmaz Ö., TUĞLUOĞLU N., ÇAVDAR Ş.
ICSM2016, 24 - 30 April 2016
- XXVI. **Effect of PbO Se doping on the thermal properties of BSCCO glass ceramic system**
KORALAY H., ÇAVDAR Ş., Kılıç G., TUĞLUOĞLU N., ÖZTÜRK Ö.
The 8th The Asian Conference on Applied Superconductivity and Cryogenics (ACASC), Hangzhou, China, 22 - 25 November 2015
- XXVII. **Detailed Analysis Of Device Parameters By Means Of Different Techniques In Schottky Devices**
TUĞLUOĞLU N., KORALAY H., ÇAVDAR Ş., Kübra Bengin A.
The Third European Conference on Renewable Energy Systems (ECRES 2015), Antalya, Turkey, 7 - 10 October 2015
- XXVIII. **Laterally inhomogeneous barrier analysis using Capacitance voltage characteristics of identically Fabricated schottky diodes**
ÇAVDAR Ş., KORALAY H., TUĞLUOĞLU N., Kübra B. A.
The Third European Conference on Renewable Energy Systems (ECRES 2015), Antalya, Turkey, 7 - 10 October 2015
- XXIX. **A Study on Nucleation Crystallization Kinetics Microstructure and Mechanical Properties of Ru Bi Partial Substituted BSCCO Glass Ceramics**
TAŞCI A. T. , ÖZTÜRK Ö., Tuğba G., ÇAVDAR Ş., KORALAY H., ŞENOL A.
APS, Texas, United States Of America, 2 - 06 March 2015
- XXX. **Effect of V2O5 addition on the formation of Bi 2223 superconductor**
KORALAY H., ÇAVDAR Ş.
10th International Workshop on Nanomagnetism and Superconductivity at the Nanoscale, Coma-ruga Barcelona, Spain, 30 June - 04 July 2014
- XXXI. **The Investigation of Microstructural Properties of Cu0 2Bi1 8Sr2Ca2Cu3 xZnxO10 Ceramic Structure**
KORALAY H., Hiçyılmaz Ö., GÜNEN A., ÇAVDAR Ş.
4th National Congress of Crystallography (TUcr2014), Diyarbakır, Turkey, 3 - 06 June 2014
- XXXII. **Structural Properties of TIPb0 3Sr2Ca2 xSexCu3Oy Superconductors**
ÇAVDAR Ş., Nihan K., KORALAY H., GÜNEN A.
4th National Congress of Crystallography (TUcr2014), Diyarbakır, Turkey, 3 - 06 June 2014
- XXXIII. **EFFECT OF Ru SUBSTITUTION ON THE MECHANICAL PROPERTIES OFBi1-xRuxPb0.2Sr2CaCu2O10**

GLASS-CERAMIC

ÖZTÜRK Ö., Gökçen T., ÇAVDAR Ş., KORALAY H., AŞIKUZUN E.

ICSM2016, 27 April - 02 May 2014

XXXIV. Investigation of mechanical properties of Ru base superconductors at different sintering time

ÇAVDAR Ş., Reza M., KORALAY H., Kılıç G.

4th International Conference on Superconductivity and Magnetism- ICSM2014, 27 April - 02 May 2014

XXXV. Effect Of Self And Dual Curing On Conversion Degree And Crosslink Density Of Dual Cure Core Build Up Materials

KARAKIŞ D., az Y. B. , DOĞAN A., KORALAY H., ÇAVDAR Ş.

19th Congress of the Balkan Stomatological Society-Bass, Belgrade, Serbia, 24 - 27 April 2014

XXXVI. The doping effect of PbSe on Bi 2212 superconductor

ÇAVDAR Ş., KORALAY H., Neslihan A.

7th Asian Conference on Applied Superconductivity and Cryogenics, Cappadocia, Turkey, 23 - 25 October 2013

XXXVII. The Effect of Rutenium Substitution on the thermal properties of Bi 2212 glass ceramics

ÖZTÜRK Ö., Tuğba G., ÇAVDAR Ş., KORALAY H.

7th Asian Conference on Applied Superconductivity and Cryogenics, Cappadocia, Turkey, 23 - 25 October 2013

XXXVIII. Effect of Zn Substitution on the Mechanical Properties of Cu₀ 2Bi₁ 8Sr₂Ca₂Cu₃ xZnxO₁₀ Glass Ceramic

KORALAY H., Öznur H., ÇAVDAR Ş.

7th Asian Conference on Applied Superconductivity and Cryogenics, Cappadocia, Turkey, 23 - 25 October 2013

XXXIX. Kinetics of Non Isothermal Crystallization of Cu₀ 5Bi₁ 5Sr₂Ca₂Cu₃ xZnxO₁₀ y Superconductor

KORALAY H., ÇAVDAR Ş., Öznur H., GÜNEN A.

2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, Vilnius, Lithuania, 27 - 30 August 2013

XL. Investigation of PbSe Doping Effect on Bi₂Sr₂CaCu₂O_y Glass Ceramic Superconductor by Using non isothermal Technique

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