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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABI-6447-2020

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Education Information

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

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

Undergraduate, 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

Postgraduate, 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, 2018 - Continues

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

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

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

Academic and Administrative Experience

Gazi University, Fen Bilimleri Enstitüsü, 2016 - 2018

Gazi University, Fen Fakültesi, 2015 - 2016

Courses

Physics , Undergraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022

Physics I, Undergraduate, 2024 - 2025, 2023 - 2024

Nanoteknolojiye Giriş 1, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

Nanoteknolojiye Giriş II, Doctorate, 2024 - 2025, 2023 - 2024

Atom Fiziği, Undergraduate, 2023 - 2024

Advising Theses

Çavdar Ş., CHARACTERIZATION OF REDUCED GRAPHENE OXIDES SYNTHESIZED BY DIFFERENT METHODS, Postgraduate, T.ÖZAL(Student), 2022

Çavdar Ş., CHARACTERIZATION OF Al/ZnO/p-Si/Al PHOTODIODE FABRICATED BY SILAR METHOD, Postgraduate, Y.ŞAHİN(Student), 2022

Çavdar Ş., Arda L., INVESTIGATION OF THE EFFECT OF ZnCo₂O₄ NANO PARTICLE ADDITIVE ON THE CAPACITIVE PROPERTIES OF GELATIN MOS STRUCTURE, Postgraduate, Ü.Yeşim(Student), 2022

Çavdar Ş., Investigation of electrical properties of Cd doped ZnO thin films produced by SILAR method, Postgraduate, B.TURAN(Student), 2022

ÇAVDAR Ş., The Investigation Of Bi-Ga Partial Replacment Effect On Magnetic, Mechanical And Microstructural Properties Of Bi_{1,8-X}Pb_{0,2}gaxsr₂cacu₂oy Superconductor, Postgraduate, S.İZMİRLİ(Student), 2019

ÇAVDAR Ş., Investigation Of Thermal Properties Of Bi_{1,8-X}gaxpb_{0,2}sr₂cacu₂oy Glass Ceramic System, Postgraduate, D.BULUT(Student), 2019

ÇAVDAR Ş., Investigation Of Superconductivity Properties Of Ybco Tapes Which Have Artificial Pinning Centers Formed By Laser, Doctorate, N.TURAN(Student), 2018

Çavdar Ş., Rutenyum katkılı BI-2212 cam seramik yapının termal ve mekanik özelliklerinin incelenmesi, Postgraduate, T.GÖKÇEN(Student), 2015

Çavdar Ş., TlPb_{0,3}Sr₂Ca_{1-x}SexCu₂Oy FARKLI ORANLARDA SELENYUM KATKISI YAPILMIŞ TALYUM TABANLI YÜKSEK SICAKLIK SÜPERİLETKENLERİN YAPISAL, FİZİKSEL VE ELEKTRİKSEL ÖZELLİKLERİNİN İNCELENMESİ, Postgraduate, N.KOL(Student), 2014

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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Frequency-dependent capacitance and conductance characteristics and current transport mechanisms of Schottky diodes with TPA-IFA organic interfacial layer**
Çavdar Ş., Oruç P., Eymur S., Tuğluoğlu N.
PHYSICA SCRIPTA, vol.99, no.9, pp.1-17, 2024 (SCI-Expanded)
- II. **Dielectric Properties and Electrical Characteristics of a Triphenylamine Thin Film Deposited onto a Silicon Substrate via Spin Coating**
Izmirli S., ÇAVDAR Ş., Dos O., KORALAY H., Tuğluoğlu N.
ACS Applied Electronic Materials, vol.6, no.7, pp.5057-5066, 2024 (SCI-Expanded)
- III. **The impact of temperature and frequency on negative capacitance and dielectric attributes in NiCo₂O₄ bulk ceramic**
Dos O., TURAN N., Tuğluoğlu N., ÇAVDAR Ş.

Ceramics International, vol.50, no.13, pp.24487-24498, 2024 (SCI-Expanded)

- IV. **Investigation of photosensitive and photodetector characteristics of n-TPA-IFA/p-Si heterojunction structure**
Çavdar Ş., Oruç P., Eymur S., Tuğluoğlu N.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.35, no.1022, pp.1-19, 2024 (SCI-Expanded)
- V. **Structural and electrical characterization of Cd-doped ZnO thin films produced on p-type Si substrate by SILAR technique**
ÇAVDAR Ş., Şahin Y., TURAN N., KORALAY H., Tuğluoğlu N.
Journal of Materials Science: Materials in Electronics, vol.34, no.25, 2023 (SCI-Expanded)
- VI. **Optoelectronic Properties of Triphenylamine Organic Thin Film Layered Al/p-Si /TPA/Al Heterojunction for Photodiode Application**
ÇAVDAR Ş., Izmirli S., KORALAY H., TURAN N., Eymur S., Tuğluoğlu N.
ECS Journal of Solid State Science and Technology, vol.12, no.4, 2023 (SCI-Expanded)
- VII. **Investigation of dielectric properties of amorphous, anatase, and rutile TiO₂ structures**
Oruç P., Turan N., Çavdar Ş., Koralay H., Tuğluoğlu N.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.34, no.498, pp.1-13, 2023 (SCI-Expanded)
- VIII. **Impedance Spectroscopy Characterization of ZnCo₂O₄ Ceramics Obtained by the Sol-Gel Method**
ÇAVDAR Ş., Demiroolmez Y., TURAN N., KORALAY H., Tuğluoğlu N.
Transactions of the Indian Ceramic Society, vol.82, no.2, pp.136-142, 2023 (SCI-Expanded)
- IX. **Analysis of voltage mid frequency-dependent series resistance and interface states of Al/ZnCo₂O₄: Gelatin/n-Si diode**
ÇAVDAR Ş., Demiroolmez Y., TURAN N., KORALAY H., TUĞLUOĞLU N.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, pp.22932-22940, 2022 (SCI-Expanded)
- X. **Impedance Spectroscopy and Structural Characterization of Nanostructured ZnO and Hf-Doped ZnO Ceramics**
Seckin A., Koralay H., Cavdar S., Turan N., Tugluoglu N.
ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, vol.11, no.8, 2022 (SCI-Expanded)
- XI. **Highly Regular Hexagonally-Arranged Nanostructures on Ni-W Alloy Tapes upon Irradiation with Ultrashort UV Laser Pulses**
Porta-Velilla L., Turan N., Cubero A., Shao W., Li H., de la Fuente G. F., Martinez E., Larrea A., Castro M., KORALAY H., et al.
NANOMATERIALS, vol.12, no.14, 2022 (SCI-Expanded)
- XII. **The Nucleation Effect of PbSe Additive on Bi₂Sr₂CaCu₂O₈ Glass Ceramics**
ÇAVDAR Ş., Deniz E., TURAN N., Tasci A. T., ÖZTÜRK Ö., Koralay H.
GLASS AND CERAMICS, vol.79, no.1-2, pp.75-81, 2022 (SCI-Expanded)
- XIII. **Evaluation of superconducting features and gap coefficients for electron-phonon couplings properties of MgB₂ with multi-walled carbon nanotube addition**
Kaya N., ÇAVDAR Ş., Ozturk O., Yildirim G., Koralay H.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.7, pp.3786-3800, 2022 (SCI-Expanded)
- XIV. **Investigation of Trap States, Series Resistance and Diode Parameters in Al/Gelatin/n-Si Schottky Diode by Voltage and Frequency Dependent Capacitance and Conductance Analysis**
ÇAVDAR Ş., Demiroolmez Y., TURAN N., KORALAY H., TUĞLUOĞLU N., ARDA L.
ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, vol.11, no.2, 2022 (SCI-Expanded)
- XV. **Low-energy ball milling effect on the dielectric response and electrical transport mechanisms of natural clinoptilolite zeolites in a wide temperature range**
Cura Ö., Ajjaq A., ÇAĞIRTEKİN A. O., ÇAVDAR Ş., ACAR S.
Materials Today Communications, vol.29, 2021 (SCI-Expanded)
- XVI. **Investigation of temperature dependent electrical and impedance characteristics of bulk Zn_{0.95}Co_{0.05}O**
Turan N., Oruç P., Demiroolmez Y., Seckin A., Çağırtekin A. O., Çavdar Ş., Koralay H., Tugluoglu N.

JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.100, no.1, pp.147-159, 2021 (SCI-Expanded)

- XVII. **Investigation of microhardness properties of the multi-walled carbon nanotube additive MgB₂ structure by using the vickers method**
Kaya N., Çavdar Ş., Öztürk Ö., Ada H., Koralay H.
CRYOGENICS, vol.116, 2021 (SCI-Expanded)
- XVIII. **AC conductivity, dielectric and electrical modulus studies of bulk Zn_{0.95}Co_{0.050} ceramic**
Oruç P., Turan N., Demiroılmaz Y., Seckin A., Çavdar Ş., Koralay H., Tuğluoğlu N.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.12, pp.15837-15850, 2021 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)
- XX. **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 (SCI-Expanded)
- XXI. **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., Taşçı A. T., Tuğluoğlu N.
CRYOGENICS, vol.88, pp.17-21, 2017 (SCI-Expanded)
- XXII. **Effect of self and dual-curing on degree of conversion and crosslink density of dual-cure core build-up materials**
Karakış D., Yıldırım Biçer A. Z., Doğan A., Koralay H., Çavdar Ş.
JOURNAL OF PROSTHODONTIC RESEARCH, vol.61, no.2, pp.210-216, 2017 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)
- XXV. **Experimental and theoretical approaches on thermal and structural properties of Zn doped BSCCO glass ceramics**
Koralay H., Hicyilmaz O., Cavdar Ş., Ozturk O., Tasci A. T.
MATERIALS SCIENCE-POLAND, vol.34, no.1, pp.25-32, 2016 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **Analysis of inhomogeneous device parameters using current-voltage characteristics of identically prepared lateral Schottky structures**
Tuğluoğlu N., Koralay H., Akgul K. B., Cavdar Ş.
INDIAN JOURNAL OF PHYSICS, vol.90, no.1, pp.43-48, 2016 (SCI-Expanded)
- XXVIII. **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 (SCI-Expanded)
- XXIX. **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 (SCI-Expanded)
- XXX. **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., Hicyilmaz 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 (SCI-Expanded)
- XXXI. **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 (SCI-Expanded)
- XXXII. **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 (SCI-Expanded)
- XXXIII. **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 (SCI-Expanded)
- XXXIV. **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 (SCI-Expanded)
- XXXV. **Effect of Vanadium Substitution on the Dielectric Properties of Glass Ceramic Bi-2212 Superconductor**
Cavdar Ş., KORALAY H., Altindal Ş.
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.164, pp.102-114, 2011 (SCI-Expanded)
- XXXVI. **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 (SCI-Expanded)
- XXXVII. **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 (SCI-Expanded)
- XXXVIII. **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 (SCI-Expanded)
- XXXIX. **Frequency-dependent dielectric characteristics of Tl-Ba-Ca-Cu-O bulk superconductor**
Cavdar Ş., Koralay H., Tugluoglu N., Gunen A.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.18, no.9, pp.1204-1209, 2005 (SCI-Expanded)
- XL. **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**
Aksu E., Gencer A., Calinli N., Koralay H., Cavdar Ş.
PHYSICA B-CONDENSED MATTER, vol.363, pp.158-165, 2005 (SCI-Expanded)
- XLI. **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 (SCI-Expanded)
- XLII. **Microstructural, thermal, and electrical properties of $\text{Bi}_{1.7}\text{V}_{0.3}\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_x$ glass-ceramic superconductor**
Kayad 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 (SCI-Expanded)
- XLIII. **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.

Articles Published in Other Journals

- I. **The Investigation of Bi-Ga Partial Replacement Effect on Magnetic, Mechanical and Microstructural Properties $\text{Bi}(1,8-x)\text{Pb}0,2\text{GaxSr}2\text{CaCu}2\text{Oy}$ Superconductor**
ÇAVDAR Ş., İZMİRLİ S., TURAN N., KORALAY H.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.10, no.3, pp.423-438, 2022 (Peer-Reviewed Journal)
- II. **$\text{Bi}1,8-x\text{GaxPb}0,2\text{Sr}2\text{CaCu}2\text{Oy}$ Cam Seramiklerin Termal Özelliklerinin İncelenmesi**
Çavdar Ş., Turan N., Koralay H., Izmirli S., Bulut D.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.10, no.2, pp.86-102, 2022 (Peer-Reviewed Journal)
- III. **Investigation of the Effect of Temperature on the Structural and Magnetic Properties of MgB_2 Superconductor Produced Using Boron Doped with Carbon by CVD Method**
KAYA N., ÇAVDAR Ş., KORALAY H.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, 2021 (Peer-Reviewed Journal)
- IV. **CVD yöntemi ile karbon katkılanmış bor kullanılarak üretilen MgB_2 'nin mikrosertlik özelliklerinin incelenmesi**
KAYA N., ÇAVDAR Ş., KORALAY H.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, 2020 (Peer-Reviewed Journal)
- V. **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 (Peer-Reviewed Journal)
- VI. **FARKLI ORANLARDA PbO VE Se KATKISININ $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{Cu}_2\text{O}_x$ (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 (Peer-Reviewed Journal)
- VII. **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 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **An Experimental Study on Capacitance-Voltage and Conductance-Voltage Characteristics of a Novel p-Si/Terpiridin-Ferrosen/Al Device**
ÇAVDAR Ş., TURAN N.
International Conference On Quantum Materials And Technologies (ICQMT2022), Muğla, Turkey, 16 - 22 October 2022
- II. **Effect Of Znco_2o_4 Nanoparticle Doping, Produced By The Sol-Jel Method, On The Electrical Properties Of Gelatin Thin Films**
DEMİRÖLMEZ Y., TURAN N., ÇAVDAR Ş., KORALAY H., TUĞLUOĞLU N.
INTERNATIONAL MARMARA SCIENCES CONGRESS IMASCON 2021 AUTUMN, Turkey, 10 December 2021
- III. **Investigation Of Impedance Spectroscopy Of Cadmium Doped ZnO Thin Films Produced By The Silar Method**
TURAN B., ÇAVDAR Ş., TURAN N., KORALAY H., TUĞLUOĞLU N.
INTERNATIONAL MARMARA SCIENCES CONGRESS IMASCON 2021 AUTUMN, Turkey, 10 - 11 December 2021

- IV. **Farklı Yöntemlerle Sentezlenen İndirgenmiş Grafen Oksitlerin Karakterizasyonu Ve Eva Nanokompozit Film Üzerindeki Etkilerinin İncelenmesi**
ÖZAL T., ÇAVDAR Ş., KORALAY H.
TRAKYA ÜNİVERSİTELER BİRLİĞİ V. LİSANSÜSTÜ ÖĞRENCİ KONGRESİ, Turkey, 4 - 05 November 2021
- V. **INVESTIGATION OF MECHANICAL PROPERTIES OF MULTI-WALLED CARBON NANOTUBE DOPED MgB₂**
KAYA N., KORALAY H., ÇAVDAR Ş., ÖZTÜRK Ö.
7th International Conference on Superconductivity and Magnetism, Turkey, 21 - 27 October 2021
- VI. **INVESTIGATION OF Bi_{1.775}Pb_{0.2}Ga_{0.25}Sr₂CaCu₂O_y GLASS-CERAMIC SUPERCONDUCTOR**
izmirli s., BULUT D., KORALAY H., ÇAVDAR Ş.
7th International Conference on Superconductivity and Magnetism, Bodrum, Turkey, 21 - 27 October 2021
- VII. **TEMPERATURE-DEPENDENT CURRENT CONDUCTION ANALYSIS OF NATURAL ZEOLITES**
CURA Ö., Ajjaq A., ÇAĞIRTEKİN A. O., ÇAVDAR Ş., ACAR S.
3. HAGIA SOPHIA INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, İstanbul, Turkey, 15 September 2021
- VIII. **SOL JEL YÖNTEMİYLE ÜRETİLEN Zn_{0.95}Co_{0.05}O BULK YAPISININ DİELEKTRİK ÖZELLİKLERİNİN İNCELENMESİ**
TURAN N., DEMİRÖLMEZ Y., ÇAVDAR Ş., KORALAY H., TUĞLUOĞLU N.
5th INTERNATIONAL MARDİN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Turkey, 15 - 16 January 2021
- IX. **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
- X. **KORONEN ORGANİK ARAYÜZEY TABAKALI SCHOTTKY DİYOTLARDA KARAKTERİSTİK PARAMETRELERİN BELİRLENMESİ**
ÖZNAL Y., KORALAY H., TUĞLUOĞLU N., SEÇKİN A., ÇAVDAR Ş.
2nd International Turkish World Engineering and Science Congress, Antalya, Turkey, 07 November 2019
- XI. **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
- XII. **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
- XIII. **CRYSTALLIZATION KINETICS AND GLASS TRANSITION KINETICS OF THE Bi_{1.9}Pb_{0.3}Sr₂Ca₂Cu_{3-x}CoxO_n 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
- XIV. **BSCCO Cam Seramik Malzemesine Co Katkısının Etkisi**
KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., KAYA N., TAŞÇI A. T., ÇELİK Ş., ÇAVDAR Ş.
1st International Turkish World Engineering and Science Congress, 7 - 10 December 2017
- XV. **Anormal Etkileşmelerde b Kuark Üretiminin FCC de İncelenmesi**
TAŞÇI 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
- XVI. **Bi(1.8-x)Pb_{0.2}GaxSr₂CaCu₂O_y cam seramik süperiletkeninin yapısal ve manyetik özelliklerinin incelenmesi**
ÇAVDAR Ş., İZMİRLİ S., TAŞÇI A. T., KORALAY H.
1st International Turkish World Engineering and Science Congress – ITWESC, 7 - 10 December 2017
- XVII. **Theoretical and Experimental Approachs on Mechanical Properties of Zn_{1-x}CoxO 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
- XVIII. **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 Matter and Materials Science (ICMMS), 11 - 15 October 2017
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **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
- XXVI. **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
- XXVII. **Bi 1 8 x Pb 0 2 Gax Sr 2 Ca Cu 2 Oy cam seramik süperiletkeninin yapısal özelliklerinin incelenmesi**
KAYA N., KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., ÇAVDAR Ş.
22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XXVIII. **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
- XXIX. **CVD Yöntemiyle Elde Edilen Karbon Kapsüllenmiş Bordan üretilen MgB₂ için Uygun Sinterleme Sıcaklığının Belirlenmesi**
KAYA N., KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., ÇAVDAR Ş.
22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XXX. **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
- XXXI. **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, Kırşehir, Turkey, 28 September - 02 October 2016

- XXXII. **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
- XXXIII. **Influence of Heat Treatment Duration on Mechanical Properties of RuSr₂GdCu₂O_x**
Çavdar Ş., Turan N., Kaya N., Öztürk Ö., Tuğluoğlu N., Koralay H.
ICSM2016, Muğla, Turkey, 24 - 30 April 2016
- XXXIV. **Effect of Doping Zn on BSCCO Superconducting Ceramics**
KORALAY H., Hiçyılmaz Ö., TUĞLUOĞLU N., ÇAVDAR Ş.
ICSM2016, 24 - 30 April 2016
- XXXV. **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
- XXXVI. **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
- XXXVII. **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
- XXXVIII. **A Study on Nucleation Crystallization Kinetics Microstructure and Mechanical Properties of Ru Bi Partial Substituted BSCCO Glass Ceramics**
TAŞÇI A. T., ÖZTÜRK Ö., Tuğba G., ÇAVDAR Ş., KORALAY H., ŞENOL A.
APS, Texas, United States Of America, 2 - 06 March 2015
- XXXIX. **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
- XL. **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
- XLI. **Structural Properties of TlPb₀ 3Sr₂Ca₂ xSexCu₃Oy Superconductors**
ÇAVDAR Ş., Nihan K., KORALAY H., GÜNEN A.
4th National Congress of Crystallography (TUcr2014), Diyarbakır, Turkey, 3 - 06 June 2014
- XLII. **Structural Analysis for a Plastic Work Tool Steel and a Hot Work Tool Steel by XRD Method,**
ATEŞ H., ÇAVDAR Ş., ÇİNİCİ H.
4. Ulusal Kristallografi Toplantısı, 17-19 Mayıs 2014 Diyarbakır, Diyarbakır, Turkey, 17 - 19 May 2014
- XLIII. **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
- XLIV. **EFFECT OF Ru SUBSTITUTION ON THE MECHANICAL PROPERTIES OF Bi_{1-x}RuxPb_{0.2}Sr₂CaCu₂O₁₀ GLASS-CERAMIC**
ÖZTÜRK Ö., Gökçen T., ÇAVDAR Ş., KORALAY H., AŞIKUZUN E.
ICSM2016, 27 April - 02 May 2014
- XLV. **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

- XLVI. **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
- XLVII. **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
- XLVIII. **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
- XLIX. **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
- L. **Investigation of PbSe Doping Effect on Bi₂Sr₂CaCu₂O_y Glass Ceramic Superconductor by Using non isothermal Technique**
ÇAVDAR Ş., KORALAY H., Tuğçe S T., GÜNEN A.
2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, Vilnius, Lithuania, 27 - 30 August 2013
- LI. **Effect of Se Substitution on Tl Pb Sr Ca Cu O Superconductor**
Nihan k., ÇAVDAR Ş., KORALAY H., GÜNEN A.
3rd International Conference On Superconductivity And Magnetism – ICSM2012, İstanbul, Turkey, 29 April - 04 May 2012
- LII. **Investigation of Carbon Multiwall Nano Tube doped TBCCO Superconductor**
ÇAVDAR Ş., KORALAY H., GÜNEN A.
3rd International Conference On Superconductivity And Magnetism – ICSM2012, İstanbul, Turkey, 29 April - 04 May 2012
- LIII. **The Vanadium Substitution Effects on Tl 2223 Superconducting Properties**
ERBİLEN TANRIKULU E., ÇAVDAR Ş., KORALAY H., GÜNEN A.
3rd International Conference On Superconductivity And Magnetism – ICSM2012, İstanbul, Turkey, 29 April - 04 May 2012
- LIV. **TBCCO 2223 Yapısında Kalsiyum Vanadyum Kısmi Yerdeğiřtirmesinin Süperiletkenlik Özellikleri Üzerindeki Etkisinin İncelenmesi**
ERBİLEN TANRIKULU E., GÜNEN A., ÇAVDAR Ş., KORALAY H.
Türk Fizik Derneđi 28. Uluslar arası Fizik Kongresi, Bodrum, Turkey, 6 - 09 September 2011
- LV. **BSCCO 2223 yapısında Bakır Kobalt Kısmi Yerdeğiřtirmesinin Mekanik Özellikler Üzerindeki Etkisi**
Öznur D., KORALAY H., ÇAVDAR Ş., GÜNEN A.
Türk Fizik Derneđi 28. Uluslar arası Fizik Kongresi, Bodrum, Turkey, 6 - 09 September 2011
- LVI. **Cu₀ 2Bi₁ 8Sr₂Ca₂Cu₃ xZnxO₁₀ Cam Seramik Malzemesinin Mekanik Özelliklerinin Arařtırılması**
Öznur H., KORALAY H., ÇAVDAR Ş., GÜNEN A.
Türk Fizik Derneđi 28. Uluslar arası Fizik Kongresi, Bodrum, Turkey, 6 - 09 September 2011
- LVII. **Cam Seramik Yöntemi ile Hazırlanmış BSCCO 2223 Yapısında Cu Sn Kısmi Yerdeğiřtirmesinin Mekanik Özellikler Üzerine Etkisinin Arařtırılması**
Ayten A., KORALAY H., ÇAVDAR Ş., GÜNEN A.
Türk Fizik Derneđi 28. Uluslar arası Fizik Kongresi, Bodrum, Turkey, 6 - 09 September 2011
- LVIII. **Cam Seramik Yöntemi ile Hazırlanmış BSCCO 2223 Yapısında Cu Sn Kısmi Yerdeğiřtirmesinin Mekanik Özellikler Üzerine Etkisinin Arařtırılması**
SEÇKİN A., KORALAY H., ÇAVDAR Ş., GÜNEN A.
Türk Fizik Derneđi 28. Uluslar arası Fizik Kongresi, Muđla, Bodrum, Turkey, 06 September 2011

- LIX. **Tl Sr Ca Cu O TSCCO Yapısında Selenyum Katkısının İncelenmesi**
Nihan K., Ayten A., KORALAY H., ÇAVDAR Ş., GÜNEN A.
5th National Superconductivity Symposium İYTE, İzmir, Turkey, 3 - 06 July 2011
- LX. **Bi1 9Pb0 3Sr2Ca2Cu2 85Co0 15O10 Cam Seramik Yapısının Termal Özelliklerinin İncelenmesi**
Öznur D., KORALAY H., ÇAVDAR Ş., GÜNEN A.
5th National Superconductivity Symposium İYTE, İzmir, Turkey, 3 - 06 July 2011
- LXI. **Bi1 75Pb0 25Sr2Ca2Cu2 8Sn0 2O10 Süperiletken Yapısının İncelenmesi**
Ayten A., KORALAY H., ÇAVDAR Ş., GÜNEN A.
5th National Superconductivity Symposium İYTE, İzmir, Turkey, 3 - 06 July 2011
- LXII. **Bi1 75Pb0 25Sr2Ca2Cu2 8Sn0 2O10 Süperiletken Yapısının İncelenmesi**
SEÇKİN A., KOL N., KORALAY H., ÇAVDAR Ş., GÜNEN A.
5th National Superconductivity Symposium İYTE, İzmir, Turkey, 03 July 2011
- LXIII. **Tl Sr Ca Cu O TSCCO Yapısında Selenyum Katkısının İncelenmesi**
KOL N., ÇAVDAR Ş., SEÇKİN A., KORALAY H., GÜNEN A.
5th National Superconductivity Symposium İYTE, İzmir, Turkey, 03 July 2011
- LXIV. **Bi1 5Pb0 5Sr2Ca1 8V0 2Cu3Ox Cam Seramik Malzemesinin Termal Özelliklerinin İncelenmesi**
Öznur H., KORALAY H., ÇAVDAR Ş., GÜNEN A.
Türk Fizik Derneği 27. Uluslar arası Fizik Kongresi, İstanbul, Turkey, 7 - 10 September 2010
- LXV. **Bi1 75Pb0 25Sr2Ca2Cu3O10 Malzemesinin Termal Özelliklerinin İncelenmesi**
Ayten A., Nihan K., KORALAY H., ÇAVDAR Ş., GÜNEN A.
Türk Fizik Derneği 27. Uluslar arası Fizik Kongresi, İstanbul, Turkey, 7 - 10 September 2010
- LXVI. **Tl1 8Pb0 3Sr2Ca1 8Se0 2Cu3Oy Süperiletkeninin Karakterizasyonu**
Nihan K., ÇAVDAR Ş., Ayten A., KORALAY H., GÜNEN A.
Türk Fizik Derneği 27. Uluslar arası Fizik Kongresi, İstanbul, Turkey, 7 - 10 September 2010
- LXVII. **Tl1 8Pb0 3Sr2Ca1 8Se0 2Cu3Oy Süperiletkeninin Karakterizasyonu**
KOL N., ÇAVDAR Ş., SEÇKİN A., KORALAY H., GÜNEN A.
Türk Fizik Derneği 27. Uluslar arası Fizik Kongresi, İstanbul, Türkiye, İstanbul, Turkey, 07 September 2010
- LXVIII. **Bi1 75Pb0 25Sr2Ca2Cu3O10 Malzemesinin Termal Özelliklerinin İncelenmesi**
SEÇKİN A., KOL N., KORALAY H., ÇAVDAR Ş., GÜNEN A.
Türk Fizik Derneği 27. Uluslar arası Fizik Kongresi, İstanbul, Türkiye, İstanbul, Turkey, 07 September 2010
- LXIX. **Frequency Dependent Dielectric Characteristics of Bi1 7V0 3Sr2Ca2Cu3O10 Glass Ceramic**
GÜNEN A., KORALAY H., ÇAVDAR Ş.
Fizika 2010, Baku, Azerbaijan, 30 June - 02 July 2010
- LXX. **A New Catalyst to Synthesize Carbon Nanospheres at Low Temperature**
ÇAVDAR Ş., KORALAY H., GÜNEN A., HAYDAR D.
Fizika 2010, Baku, Azerbaijan, 29 June - 02 July 2010
- LXXI. **Kinetics of Crystallization of Amorphous Bi1 5V0 5Sr2Ca2Cu3Ox Glass**
KORALAY H., ÇAVDAR Ş., GÜNEN A.
Fizika 2010, Baku, Azerbaijan, 30 June - 02 July 2010
- LXXII. **Irradiation Effects on Crystallization Kinetics of Bi1 7V0 3Sr2Ca2Cu3Ox Glass Ceramic**
KORALAY H., ÇAVDAR Ş., GÜNEN A.
Fizika 2009, Baku, Azerbaijan, 9 - 11 March 2010
- LXXIII. **The Effect of Gamma Irradiation on Crystallization Kinetics and Microstructure of Bi1.7V0.3Sr2Ca2Cu3Ox Glass-Ceramic**
KORALAY H., ÇAVDAR Ş., GÜNEN A.
7. International Conference Nuclear and Radiation Physic (ICNRP 09), 8 - 11 September 2009
- LXXIV. **60Co gamma radiation effect on Tl2Ba2Ca2Cu3Ox superconductor**
ÇAVDAR Ş., KORALAY H., GÜNEN A.
7. International Conference Nuclear and Radiation Physic (ICNRP 09), Almaata, Kazakhstan, 8 - 10 September 2009
- LXXV. **Synthesis Of Cds Nanoparticle**
ERBİLEN TANRIKULU E., GÜNEN A., Dişbudak H., ÇAVDAR Ş., KORALAY H.

- Türk Fizik Derneği 25. Uluslar Arası Fizik Kongresi, Bodrum, Turkey, 25 - 29 September 2008
- LXXVI. **Preparation of Carbon Nanospheres by an Autoclave Type Reactor**
GÜNEN A., ÇAVDAR Ş., KORALAY H., Haydar D., Ünal S., Beyza S.
Türk Fizik Derneği 24. Uluslararası Fizik Kongresi, Malatya, Turkey, 28 - 31 August 2007
- LXXVII. **The Effect Of The Annealing And Cooling Temperature For Phase Transformation TiNi Shape Memory Alloys**
Neslihan G., Elif Ç., İrfan A., ÇAVDAR Ş., KORALAY H.
Türk Fizik Derneği 23. Uluslararası Fizik Kongresi, Muğla, Turkey, 13 - 16 October 2005
- LXXVIII. **Thermal Transitions And Structure Properties Of Cu 11 Al 3 82 Ni Shape Memory Alloys**
Elif Ç., Neslihan G., İrfan A., KORALAY H., ÇAVDAR Ş.
Türk Fizik Derneği 23. Uluslararası Fizik Kongresi, Muğla, Turkey, 13 - 16 October 2005
- LXXIX. **Thermal And Phase Characterization Of Bi_{2-x}V_xSr₂Ca₂Cu₃O_x Superconductor**
KORALAY H., ÇAVDAR Ş., GÜNEN A.
Türk Fizik Derneği 23. Uluslararası Fizik Kongresi, Muğla, Turkey, 13 - 16 October 2005
- LXXX. **Dynamical finite size scaling function of the four dimensional Ising model for Creutz algorithm**
MERDAN Z., GÜNEN A., ÇAVDAR Ş.
12. Uluslar Arası İstatistik Fizik Günleri, 30 June - 02 July 2005
- LXXXI. **Tl 2223 Süperiletkeninin Yapısal Elektriksel ve Manyetik Özelliklerine B2O3 Katkılaması Etkisi**
ÇAVDAR Ş., KORALAY H., Aksu E., GÜNEN A., Nizami G.
Türk Fizik Derneği 22. Fizik Kongresi konferansı, Bodrum, Turkey, 14 - 17 September 2004
- LXXXII. **Tl₂Ba₂Ca₂Cu₃O_x Süperiletkenine gamma Radyasyon Etkisi**
ÇAVDAR Ş., Aksu E., KORALAY H., ÖZKAN H., ERCAN İ., Nizami G.
Türk Fizik Derneği 22. Fizik Kongresi Bodrum, Bodrum, Turkey, 14 - 17 September 2004
- LXXXIII. **Tl 2223 Süperiletken Yapısının Sıcaklıkla Değişimi**
KORALAY H., ÇAVDAR Ş., Aksu E., GÜNEN A., ÖZKAN H., Nizami G.
Türk Fizik Derneği 22. Fizik Kongresi konferansı, Bodrum, Turkey, 14 - 17 September 2004
- LXXXIV. **Bi₁₋₇V₀₋₃Sr₂Ca₂Cu₃O_{10-x} Cam Seramik Süperiletkeninin Sentezlenmesi ve Karakterizasyonu**
KORALAY H., ÇAVDAR Ş., Aksu E., ERCAN İ., Nurcan A.
21. Fizik Kongresi (TFD21), Isparta, Turkey, 11 - 14 September 2002
- LXXXV. **Effect of B2O3 Doping on the Properties of Tl Based Superconductors**
ÖZKAN H., Nizami G., ÇAVDAR Ş., KORALAY H., Aksu E., ERCAN İ.
Applied Superconductivity Conference, ASC-2002, Houston, United States Of America, 4 - 09 August 2002
- LXXXVI. **TlBaCaCuO 2223 Süperiletkenine B2O3 Katkılaması Etkileri**
ÇAVDAR Ş., Aksu E., KORALAY H., ÖZKAN H., ERCAN İ., Nizami G.
Ulusal Yüksek Sıcaklık Süperiletkenler Sempozyumu, Malatya, Turkey, 9 - 11 July 2002
- LXXXVII. **Tl Tabanlı Süperiletkenlere Bor Katkılaması ve Işınlama Etkisi**
Tarek K., ÖZKAN H., TURAN R., Nizami G., ERCAN İ., ÇAVDAR Ş., Aksu E., KORALAY H.
Türk Fizik Derneği 19. Fizik Kongresi, Elazığ, Turkey, 26 - 29 September 2000

Supported Projects

ÇAVDAR Ş., TUĞLUOĞLU N., ORUÇ P., EYMÜR S., Project Supported by Higher Education Institutions, TPA-DA-IFA:ZnCo₂O₄ Hibrit Arayüzey Katmanlı Aygıt Üretimi ve Karakterizasyonu, 2022 - 2024

Koralay H., Çavdar Ş., TUBITAK Project, Süperiletken İnce Filmlerde Uv Lazer Kullanımı İle Yapay Çivileme Merkezleri Oluşturulması Ve Optimizasyonu, 2018 - 2021

ÇAVDAR Ş., Project Supported by Higher Education Institutions, Bi_{1,8-x}Pb_{0,2}GaxSr₂CaCu₂O_y Cam Seramik Sisteminin Yapısal ve Elektriksel Özelliklerinin İncelenmesi, 2016 - 2019

Koralay H., Çavdar Ş., TUBITAK Project, YBCO Süperiletken Kaplamalar ve Filmlerde Çivileme Merkezlerinin Oluşturulması Karakterizasyonu ve Optimizasyonu, 2015 - 2018

Koralay H., Çavdar Ş., TUBITAK Project, CVD Yöntemi ile Karbon Kapsüllenmiş Bor Kullanılarak Yüksek Akım Kapasiteli

MgB₂ Fe Tel Üretimi, 2015 - 2017

ÇAVDAR Ş., Project Supported by Higher Education Institutions, RuSr₂GdCu₂O_x Süperiletken yapının mekanik ve dielektrik özelliklerinin incelenmesi, 2015 - 2017

Koralay H., Çavdar Ş., Project Supported by Higher Education Institutions, RuSr₂GdCu₂O_x Süperiletken yapının mekanik ve dielektrik özelliklerinin incelenmesi, 2015 - 2017

Algan İ. B., Ateş H., Çavdar Ş., Koralay H., Kılıçlı V., Project Supported by Higher Education Institutions, Nanomalzeme Sentez ve Karakterize-Analiz Laboratuvar Kurulumu Altyapı Projesi- Gazi Üniversitesi BAP, 2015 - 2016

ÇAVDAR Ş., KORALAY H., Project Supported by Higher Education Institutions, Aynı şartlar altında üretilen özdeş Au n Si 100 Schottky diyotlarda karakteristik parametrelerin belirlenmesi, 2013 - 2015

ÇAVDAR Ş., KORALAY H., Project Supported by Higher Education Institutions, YBCO İnce Film Üretimi ve Karakterizasyonu, 2012 - 2015

ÇAVDAR Ş., KORALAY H., Project Supported by Higher Education Institutions, Süperiletkenlik Laboratuvarının Geliştirilmesi, 2011 - 2013

ÇAVDAR Ş., Project Supported by Higher Education Institutions, Tl_{1,8}Pb_{0,3}Sr₂Ca_{2-x}SexCu₃O₇ FARKLI ORANLARDA SELENYUM KATKISI YAPILMIŞ TALYUM TABANLI YÜKSEK SICAKLIK SÜPERİLETKENLERİN YAPISAL, FİZİKSEL VE ELEKTRİKSEL ÖZELLİKLERİNİN İNCELENMESİ, 2011 - 2013

ÇAVDAR Ş., Project Supported by Higher Education Institutions, Bi₂Sr₂Ca₂Cu₃O₇ Süperiletken sisteminin Termal, Yapısal ve elektriksel özelliklerinde kurşunselenid, kurşun ve selenyum katkısının etkisinin incelenmesi, 2011 - 2013

ÇAVDAR Ş., KORALAY H., Project Supported by Higher Education Institutions, Cu_{0.2}Bi_{1.8}Sr₂Ca₂Cu_{3-x}ZnxO₁₀ seramik süperiletkeninin termal ve mikroyapı özelliklerinin araştırılması, 2011 - 2013

ÇAVDAR Ş., Project Supported by Higher Education Institutions, Tl-2223 Sisteminde Çok Katmanlı Karbon Nano tüplerin katkılama etkisinin incelenmesi, 2010 - 2012

ÇAVDAR Ş., KORALAY H., Project Supported by Higher Education Institutions, CdSe Nanokristallerinin Sentezlenmesi ve Karakterizasyonu, 2009 - 2011

ÇAVDAR Ş., KORALAY H., Project Supported by Higher Education Institutions, CdS Kuantum noktalarının Elde edilmesi ve Karakterizasyonu, 2008 - 2010

Koralay H., Çavdar Ş., Project Supported by Other Official Institutions, Yeni Teknoloji Ürünü Cihaz Malzeme Üretimi Geliştirilmesi Ve Karakterizasyonu, 2007 - 2009

ÇAVDAR Ş., KORALAY H., Project Supported by Higher Education Institutions, Solvotermal Yöntem ile İçin Boş Karbon Nanokürecikler Hekzagonal Bor Nitrür ve veya Bor Nitrür Nanotüp Elde Edilmesi, 2006 - 2007

Patent

Çavdar Ş., Turan N., Arda L., Koralay H., Süperiletken şeritlerde kontrollü olarak çivileme merkezleri oluşturulması yöntemi., Patent, CHAPTER H Electricity, The Invention Registration Number: 2019 21955 , Standard Registration, 2022

Tasks In Event Organizations

Koralay H., ÇAVDAR Ş., 7th International Conference on Superconductivity and Magnetism, Scientific Congress, Muğla, Turkey, Ekim 2021

Metrics

Publication: 139

Citation (WoS): 318

Citation (Scopus): 372

H-Index (WoS): 11

H-Index (Scopus): 12

Non Academic Experience

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