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International Researcher IDs

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Education Information

Doctorate, Universiteit Leiden, Üretim Yönetimi Ve Pazarlama Anabilim Dalı, Fizik, Netherlands 1986 - 1990

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1983 - 1986

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Fizik Mühendisliği, Turkey 1979 - 1983

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazı Magnetik Maddelerin A.C Alanda Ölçülen Lineer Olmayan Duygunlukları , Universiteit Leiden, Çü. Fen Bilimleri Enstitüsü, Fizik, 1990

Postgraduate, Oda Sıcaklığında Magnetik Maddelerin Mıknatıslanmasını Ölçebilen bir Magnetometre Yapımı, Kalibrasyonu ve Önölçümler , Cukurova University, Fen Bilimleri Enstitüsü, Fizik, 1986

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Material Characterization, Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Thermal Properties of Condensed Matter, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Magnetic Properties and Materials, Superconductivity, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2000 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1994 - 2000

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1991 - 1994

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1984 - 1991

Academic and Administrative Experience

Cukurova University, 2012 - 2015
Cukurova University, 2002 - 2005
Cukurova University, 2002 - 2005
Cukurova University, 2000 - 2005
Cukurova University, Beden Eğitimi Ve Spor Yüksekokulu, 2000 - 2002

Courses

Yüksek Sıcaklık Süperiletkenlerin Teknolojik Uygulamaları, Undergraduate, 2013 - 2014
Fizik2, Undergraduate, 2013 - 2014
Fizik 1, Undergraduate, 2013 - 2014
Yüksek Sıcaklık Süperiletkenliğine Giriş, Undergraduate, 2013 - 2014

Advising Theses

ÖZÇELİK B., Polimerizasyon Tekniğiyle Üretilen Potasyum (K) katkılı BSCCO Süperiletken malzemelerin fiziksel özelliklerinin incelenmesi, Postgraduate, E.Yalaz(Student), 2013
ÖZÇELİK B., Co katkısının BSCCO süperiletkeninin yapısal ve fiziksel özellikleri üzerindeki etkilerinin araştırılması, Postgraduate, A.Özslan(Student), 2013
ÖZÇELİK B., Lazer tekniği ile üretilen katkılı BSCCO süperiletkenlerin fiziksel özelliklerinin araştırılması, Doctorate, H.Gündoğmuş(Student), 2013
ÖZÇELİK B., Atımlı Laser Yığılımı (PLD) Tekniği Kullanılarak Üretilen BSCCO İnce Filmlerin fiziksel özelliklerinin araştırılması, Doctorate, O.Nane(Student), 2013
ÖZÇELİK B., Ce katkısının BSCCO süperiletkeninin fiziksel özellikleri üzerindeki etkilerinin araştırılması, Postgraduate, C.Kaya(Student), 2012
ÖZÇELİK B., Tungsten katkılı BSCCO süperiletken malzeme üretimi ve üretilen malzemenin fiziksel özelliklerinin araştırılması, Postgraduate, N.Türk(Student), 2011
ÖZÇELİK B., Tek fazlı BSCCO süperiletken malzeme üretimi ve üretilen malzemenin fiziksel özelliklerinin araştırılması, Doctorate, D.Yazıcı(Student), 2010
ÖZÇELİK B., Sm1-xTbxNi4B Bileşiklerinin Fiziksel Özelliklerinin Araştırılması, Postgraduate, O.Nane(Student), 2009
ÖZÇELİK B., Sm1-xGdxNi4B Bileşiklerinin Fiziksel Özelliklerinin Araştırılması, Postgraduate, N.Kantarıcı(Student), 2009
ÖZÇELİK B., Nd ve Gd Katkılı Süperiletken Sisteminin Fiziksel ve Isısal Özellikleri, Doctorate, B.Özkurt(Student), 2007
ÖZÇELİK B., Fosfin Metal Komplekslerinin Fiziksel Özellikleri, Postgraduate, D.Yazıcı(Student), 2007
ÖZÇELİK B., Fosfinli Metal Komplekslerin Optik Özellikleri, Postgraduate, H.Gündoğmuş(Student), 2006
ÖZÇELİK B., BSCCO Süperiletkenlerine Yapılan Katkıların Yapısal ve Fiziksel Özelliklerine Etkileri, Doctorate, A.Ekicibil(Student), 2005
ÖZÇELİK B., BSCCO Süperiletken Sistemine Farklı Konsantrasyonlarda Godalanyum Katkılmasının Malzemenin Yapısal, Elektriksel ve Manyetik Özellikleri Üzerindeki Etkisi, Doctorate, A.Coşkun(Student), 2004
ÖZÇELİK B., Nöron Dinamiğinin İncelenmesi, Postgraduate, A.Murat(Student), 2003
ÖZÇELİK B., Bazı Magnetik Malzemelerin Fiziksel Özelliklerinin İncelenmesi, Postgraduate, B.Özkurt(Student), 2003
ÖZÇELİK B., Antiferromagnetik Özellik Gösteren Seyreltik Malzemelerin Fiziksel Özellikleri, Postgraduate, S.Seçkin(Student), 2003
ÖZÇELİK B., Magnetik Sistemlerin Faz Geçiş Bölgeleri Civarındaki Kritik Davranışlarının İncelenmesi, Postgraduate, F.Karadağ(Student), 1998
ÖZÇELİK B., HTc Süperiletkenlerin Fiziksel Özelliklerinin Teorisi, Postgraduate, A.Ekicibil(Student), 1998
ÖZÇELİK B., HTc Süperiletkenlerin Fiziksel Özelliklerinin İncelenmesi, Postgraduate, A.Coşkun(Student), 1998

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of divalent ion of strontium substitution on the structural, optical, magnetic and blood compatibility studies in cobalt ferrite**
ERGİN İ., ÖZÇELİK S., İÇİN K., Yalçın B., Arda L., ÖZÇELİK B.
Physica Scripta, vol.99, no.6, 2024 (SCI-Expanded)
- II. **Highly efficient magnetically separable SrFe₁₂O₁₉ for photo-assisted oxidation of benzylic alcohol derivatives under visible light**
AlDhawi Z. A., Alousi L., Ercan İ., ÖZÇELİK B., Kochkar H., Benali A.
Journal of Alloys and Compounds, vol.982, 2024 (SCI-Expanded)
- III. **Remarkable variation in microstructural, thermoelectric, and magnetic properties of CaMnO₃ through Ce doping**
GÜRSUL M., ÇETİN G., ERGİN İ., Korkmaz L., ÖZÇELİK B., Torres M., Madre M., Sotelo A.
Materials Science and Engineering: B, vol.299, 2024 (SCI-Expanded)
- IV. **Sr-doped CuFe₂O₄ nanoparticles: Exploring structural, magnetic, and blood compatibility characteristics**
ERGİN İ., ÖZÇELİK S., Yalçın B., Arda L., İÇİN K., ÖZÇELİK B.
Ceramics International, 2024 (SCI-Expanded)
- V. **Drastic microstructural modification of Bi₂Ca₂Co₂O_y ceramics by Na doping and laser texturing**
Özçelik C., Depci T., Gürsul M., Çetin G., Özçelik B., Torres M. A., Madre M. A., Sotelo A.
Boletín de la sociedad española de cerámica y vidrio, vol.61, no.6, pp.634-640, 2022 (SCI-Expanded)
- VI. **Structural, optical, and electrical properties of Zn(1-x)Mg_xO nano-compounds and ZnO/Zn(1-x)Mg_xO heterostructures**
Ercan F., Alamroo N., Ghrib T., Kayed T., ÖZÇELİK B., ERCAN İ., Alonizan N., Abubshait S. A.
MATERIALS CHEMISTRY AND PHYSICS, vol.290, 2022 (SCI-Expanded)
- VII. **BaTiO₃/(Co_{0.8}Ni_{0.1}Mn_{0.1}Fe_{1.9}Ce_{0.1}O₄)(x) composites: Analysis of the effect of Co_{0.8}Ni_{0.1}Mn_{0.1}Fe_{1.9}Ce_{0.1}O₄ doping at different concentrations on the structural, morphological, optical, magnetic, and magnetoelectric coupling properties of BaTiO₃**
Slimani Y., Sivakumar R., Meena S. S., Vignesh R., Yasin G., Hannachi E., Almessiere M. A., Trabelsi Z., Batoo K. M., Baykal A., et al.
CERAMICS INTERNATIONAL, vol.48, no.20, pp.30499-30509, 2022 (SCI-Expanded)
- VIII. **Structural, magnetic and gamma-ray shielding features of Zn doped Mg₂FeTiO₆ double perovskite**
Alqahtani M., Ercan F., Saleh N. A., Mhareb M. H. A., Dwaikat N., Sayyed M. I., Abokhamis F., Abdulrazzaq A., ÖZÇELİK B., Ercan I., et al.
PHYSICA B-CONDENSED MATTER, vol.640, 2022 (SCI-Expanded)
- IX. **Detailed low temperature studies on thermoelectric performance of K-doped Bi₂Ca₂Co₂O_y ceramics fibers**
Ozcelik C., Depci T., Cetin G., Gursul M., Ozcelik B., Madre M. A., Sotelo A., Ando H., Terashima K., Takano Y.
PHYSICA SCRIPTA, vol.97, no.8, 2022 (SCI-Expanded)
- X. **Investigation of nano-crystalline strontium hexaferrite magnet powder from mill scale waste by the mechanochemical synthesis: Effect of the annealing temperature**
İçin K., Ergin İ., Sünbül S. E., Öztürk S., Özçelik B., Çakıl D. D.
MATERIALS CHEMISTRY AND PHYSICS, vol.290, no.126513, pp.1-15, 2022 (SCI-Expanded)
- XI. **Impact of silver addition on the superconducting performances of Bi₂Sr₂Ca_{0.925}Na_{0.075}Cu₂O_y:Ag composite fibers**
Atilla B., Ergin İ., Gürsul M., Özçelik B.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.1, no.1, pp.1-10, 2022 (SCI-Expanded)
- XII. **Role of Y substitution for Ca-site on magneto-resistivity properties of Bi-2212 superconductor rods prepared by LFZ**
GÜRSUL M., Ozcelik C., ERGİN İ., Madre M. A., Sotelo A., ÖZÇELİK B.
MATERIALS CHEMISTRY AND PHYSICS, vol.282, 2022 (SCI-Expanded)
- XIII. **Low temperature thermoelectric properties of Na-substituted Bi₂Ca₂Co₂O_y ceramics fabricated via LFZ technique**

- Ozcelik B., Cetin G., Gursul M., Ozcelik C., Depci T., Madre M. A., Sotelo A., Ando H., Terashima K., Takano Y.
MATERIALS CHEMISTRY AND PHYSICS, vol.278, 2022 (SCI-Expanded)
- XIV. **(BaTiO₃)(1-x) + (Co_{0.5}Ni_{0.5}Nb_{0.06}Fe_{1.94}O₄)(x) nanocomposites: Structure, morphology, magnetic and dielectric properties**
Slimani Y., Shirsath S. E., Hannachi E., Almessiere M. A., Aouna M. M., Aldossary N. E., Yasin G., Baykal A., ÖZÇELİK B., Ercan I.
JOURNAL OF THE AMERICAN CERAMIC SOCIETY, vol.104, no.11, pp.5648-5658, 2021 (SCI-Expanded)
- XV. **Tuning thermoelectric properties of Bi₂Ca₂Co₂O_y through K doping and laser floating zone processing**
Ozcelik C., Depci T., GÜRSUL M., ÇETİN G., ÖZÇELİK B., Torres M. A., Madre M. A., Sotelo A.
SOLID STATE SCIENCES, vol.120, 2021 (SCI-Expanded)
- XVI. **Significant enhancement of superconducting performances of Bi-2212 fibers through combined sodium substitution and LFZ process**
GÜRSUL M., Ergin İ., Ozcelik C., Depci T., ÖZÇELİK B., Madre M. A., Sotelo A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.13, pp.17686-17699, 2021 (SCI-Expanded)
- XVII. **Structural, optical, magnetic, photocatalytic activity and related biological effects of CoFe₂O₄ ferrite nanoparticles**
YALÇIN B., ÖZÇELİK S., İÇİN K., ŞENTÜRK K., ÖZÇELİK B., ARDA L.
Journal of Materials Science: Materials in Electronics, vol.32, 2021 (SCI-Expanded)
- XVIII. **Structure, magnetic, photocatalytic and blood compatibility studies of nickel nanoferrites prepared by laser ablation technique in distilled water**
Ozcelik S., Yalcin B., Arda L., Santos H., Saez-Puche R., Angurel L. A., de la Fuente G. F., Ozcelik B.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.854, 2021 (SCI-Expanded)
- XIX. **High speed processing of NiFe₂O₄ spinel using a laser furnace**
Ozcelik B., Ozcelik S., Amaveda H., Santos H., Borrell C. J., Saez-Puche R., de la Fuente G. F., Angurel L. A.
JOURNAL OF MATERIMICS, vol.6, no.4, pp.661-670, 2020 (SCI-Expanded)
- XX. **A study on thermoelectric performance and magnetic properties of Ti-doped Bi₂Sr₂Co_{1.8}O_y ceramic materials**
Ozcelik B., Cetin G., Gursul M., Madre M., Sotelo A.
MATERIALS CHEMISTRY AND PHYSICS, vol.256, 2020 (SCI-Expanded)
- XXI. **Increase of electric performances in Bi₂Sr_{2-x}Rb_xCo₂O_{8+delta} laser grown ceramics induced by annealing**
ÖZÇELİK B., ÇETİN G., GÜRSUL M., Ozcelik C., Torres M. A., Madre M. A., Sotelo A.
SOLID STATE SCIENCES, vol.108, 2020 (SCI-Expanded)
- XXII. **Drastic modification of low temperature thermoelectric properties of Na-doped Bi₂Sr₂Co₂O_y ceramics prepared via laser floating zone technique**
Cetin G., Ozcelik B., Gursul M., Madre M. A., Sotelo A., Adachi S., Takano Y.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.18, pp.15558-15564, 2020 (SCI-Expanded)
- XXIII. **Investigation of structural, morphological, optical, magnetic and dielectric properties of (1-x)BaTiO₃/xSr_{0.92}Ca_{0.04}Mg_{0.04}Fe₁₂O₁₉ composites**
Slimani Y., Almessiere M. A., Shirsath S. E., Hannachi E., Yasin G., Baykal A., Ozcelik B., Ercan I.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.510, 2020 (SCI-Expanded)
- XXIV. **Effect of annealing and potassium substitution on the thermoelectric and magnetic properties of directionally grown Bi₂Sr₂Co₂O_y ceramics**
ÇETİN G., ÖZÇELİK B., GÜRSUL M., Torres M. A., Madre M. A., Sotelo A.
Boletin de la Sociedad Espanola de Ceramica y Vidrio, vol.59, no.3, pp.121-128, 2020 (SCI-Expanded)
- XXV. **Effect of Rubidium Substitution on the Physical and Superconducting Properties of Textured High-T_c BSCCO Samples**
Ozcelik B., Ergin İ., Madre M. A., Sotelo A.

- JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.33, no.5, pp.1285-1292, 2020 (SCI-Expanded)
- XXVI. **Structural, optical and magnetic properties of Tb³⁺ substituted Co nanoferrites prepared via sonochemical approach**
Sadaqat A., Almessiere M., Slimani Y., Guner S., Sertkol M., Albetran H., Baykal A., Shirsath S. E., Ozcelik B., Ercan I.
CERAMICS INTERNATIONAL, vol.45, pp.22538-22546, 2019 (SCI-Expanded)
- XXVII. **Sonochemical Synthesis of CoFe_{2-x}Nd_xO₄ Nanoparticles: Structural, Optical, and Magnetic Investigation**
Almessiere M. A., Slimani Y., Korkmaz A. D., Sertkol M., Baykal A., Ercan I., Ozcelik B.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.12, pp.3837-3844, 2019 (SCI-Expanded)
- XXVIII. **Effect of Cesium Substitution on the Superconducting Properties of Bi-2212 Samples Prepared Via Solid-State Reaction and Laser Floating Zone Technique**
Ergin İ., Ozcelik B., Madre M. A., Sotelo A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.11, pp.3439-3448, 2019 (SCI-Expanded)
- XXIX. **Sonochemical synthesis of Eu³⁺ substituted CoFe₂O₄ nanoparticles and their structural, optical and magnetic properties**
Almessiere M. A., Slimani Y., Korkmaz A. D., Taskhandi N., Sertkol M., Baykal A., Shirsath S. E., Ercan I., Ozcelik B.
ULTRASONICS SONOCHEMISTRY, vol.58, 2019 (SCI-Expanded)
- XXX. **Structural, magnetic, optical properties and cation distribution of nanosized Ni_{0.3}Cu_{0.3}Zn_{0.4}Tm_xFe_{2-x}O₄ (0.0 ≤ x ≤ 0.10) spinel ferrites synthesized by ultrasound irradiation**
Slimani Y., Almessiere M. A., Sertkol M., Shirsath S. E., Baykal A., Nawaz M., Akhtar S., Ozcelik B., Ercan I.
ULTRASONICS SONOCHEMISTRY, vol.57, pp.203-211, 2019 (SCI-Expanded)
- XXXI. **Effect of Carbon Nanotube Addition on the Superconducting Properties of BSCCO Samples Textured via Laser Floating Zone Technique**
Ozcelik B., Ergin İ., Depci T., Yavuz H., Madre M. A., Sotelo A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.10, pp.3135-3141, 2019 (SCI-Expanded)
- XXXII. **Structural, superconducting and vortex pinning properties of Nb-substituted Bi-2212 ceramic superconductor**
Nane F. K., Ozcelik B.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, pp.12783-12789, 2019 (SCI-Expanded)
- XXXIII. **Magnetic and structural characterization of Nb³⁺-substituted CoFe₂O₄ nanoparticles**
Almessiere M. A., Slimani Y., Guener S., Nawaz M., Baykal A., Aldakheel F., Akhtar S., Ercan I., Belenli I., Ozcelik B.
CERAMICS INTERNATIONAL, vol.45, no.7, pp.8222-8232, 2019 (SCI-Expanded)
- XXXIV. **Effect of Nb³⁺ Substitution on the Structural, Magnetic, and Optical Properties of Co_{0.5}Ni_{0.5}Fe₂O₄ Nanoparticles**
Almessiere M. A., Slimani Y., Sertkol M., Nawaz M., Sadaqat A., Baykal A., Ercan I., ÖZÇELİK B.
NANOMATERIALS, vol.9, no.3, 2019 (SCI-Expanded)
- XXXV. **Structural and physical properties of Na-substituted K_{0.8}Fe_{2-y}Se₂ single crystal**
GÜRSUL M., ÖZÇELİK B., LIU M., BOLTALIN A. I., MOROZOV I. V.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.777, pp.1074-1079, 2019 (SCI-Expanded)
- XXXVI. **The effect of Nb substitution on magnetic properties of BaFe₁₂O₁₉ nanohexaferrites**
ALMESSIERE M. A., SLIMANI Y., TASHKANDI N. A., Baykal A., SARAÇ M. S., TRUKHANOV A. V., ERCAN I., BELENLI I., ÖZÇELİK B.
CERAMICS INTERNATIONAL, vol.45, no.2, pp.1691-1697, 2019 (SCI-Expanded)
- XXXVII. **Effect of Na-substitution on magnetoresistance and flux pinning energy of Bi-2212 ceramics prepared via hot-forging process**
ÖZÇELİK B., GÜRSUL M., Nane F. K., Madre M. A., Sotelo A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.22, pp.19147-19154, 2018 (SCI-Expanded)
- XXXVIII. **Continuous processing of Bi₂Sr₂CaCu₂O₈+delta precursor powders**
LALIENA C., AMAVEDA H., ÖZÇELİK B., MARTINEZ E., DE LA FUENTE G. F., ANGUREL L. A.

CERAMICS INTERNATIONAL, vol.44, no.12, pp.14865-14872, 2018 (SCI-Expanded)

- XXXIX. **The cooling rate effect on structure and flux pinning force of FeTeSe single crystal deposited by self-flux method**
Farisoğulları D., GULER N. K., Yakinci K., EKİCİBİL A., KARADAĞ F., Yakinci M. E., ÖZÇELİK B.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.8, pp.6477-6483, 2018 (SCI-Expanded)
- XL. **Effect of Na-doping on thermoelectric and magnetic performances of textured Bi₂Sr₂Co₂O_y ceramics**
KARAKAYA G., ÖZÇELİK B., TORRES M. A., Madre M. A., Sotelo A.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.38, no.2, pp.515-520, 2018 (SCI-Expanded)
- XLI. **Improvement of Bi₂Sr₂Co₂O_y thermoelectric performances by Na doping**
KARAKAYA G., ÖZÇELİK B., Nane O., Sotelo A., RASEKH S., TORRES M. A., Madre M. A.
JOURNAL OF ELECTROCERAMICS, vol.40, no.1, pp.11-15, 2018 (SCI-Expanded)
- XLII. **Physical, electrical and magnetic properties of Cr doped Bi₂Sr₂Ca₁Cu_{2-x}Cr_xO_y (Bi-2212) superconductors prepared by laser floating zone technique**
Gun E., Ozkurt B., ÖZÇELİK B., Madre M. A., Sotelo A., DIEZ J. C.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.17, pp.13120-13125, 2017 (SCI-Expanded)
- XLIII. **Effects of K substitution on thermoelectric and magnetic properties of Bi₂Sr₂Co₂O_y ceramic**
KARAKAYA G., ÖZÇELİK B., TORRES M. A., Madre M. A., Sotelo A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.17, pp.12652-12659, 2017 (SCI-Expanded)
- XLIV. **Effect of Na substitution and Ag addition on the superconducting properties of Bi-2212 textured materials**
ÖZÇELİK B., NANE O., Sotelo A., AMAVEDA H., Madre M. A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.8, pp.6278-6283, 2017 (SCI-Expanded)
- XLV. **Effect of Na substitution on superconducting properties of Bi-2212 ceramics prepared by Sinter-Forged process**
Nane O., ÖZÇELİK B., Sotelo A., Madre M. A.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.37, no.3, pp.1007-1012, 2017 (SCI-Expanded)
- XLVI. **Enhanced physical properties of single crystal Fe_{0.99}Te_{0.63}Se_{0.37} prepared by self-flux synthesis method**
Onar K., Oezcelik B., GULER N. K., OKAZAKI H., TAKEYA H., TAKANO Y., YAKINCI M. C.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.683, pp.164-170, 2016 (SCI-Expanded)
- XLVII. **Effect of Sodium Substitution on Structural and Magnetic Properties of KFe_{2-y}Se₂**
GÜRSUL M., ÖZÇELİK B., EKİCİBİL A., LİU M., Boltalin A. I., Morozov I. V.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.29, no.9, pp.2401-2406, 2016 (SCI-Expanded)
- XLVIII. **Effect of V substitution on vortex pinning and superconducting properties of Bi-2212 superconductor**
Nane O., ÖZÇELİK B.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.27, no.7, pp.7633-7639, 2016 (SCI-Expanded)
- XLIX. **Improvement of structural and superconducting properties of Bi-2212 textured rods by substituting sodium**
Nane O., ÖZÇELİK B., AMAVEDA H., Sotelo A., Madre M. A.
CERAMICS INTERNATIONAL, vol.42, no.7, pp.8473-8477, 2016 (SCI-Expanded)
- L. **Effect of Cooling Rate on Structure, Composition, and Superconducting Properties of FeTe_{0.6}Se_{0.4} Prepared by Self-Flux Technique**
GÜRSUL M., EKİCİBİL A., GULER N. K., ÖZÇELİK B.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.29, no.5, pp.1187-1192, 2016 (SCI-Expanded)

- LI. **The effects of the post-annealing time on the growth mechanism of Bi(2)Sr(2)CaCu(2)O(8-partial derivative) thin films produced on MgO (100) single crystal substrates by pulsed laser deposition (PLD)**
Nane O., ÖZÇELİK B., Abukay D.
CERAMICS INTERNATIONAL, vol.42, no.5, pp.5778-5784, 2016 (SCI-Expanded)
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 MATERIALS SCIENCE AND ADVANCED-NANOTECHNOLOGIES FOR NEXT GENERATION (MSNG2018), Nevşehir, Turkey, 4 - 06 October 2018, pp.47-48
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- XV. **Materials modified highly absorber thermal camouflage functional nanostructures and sensors for CBRN defence and environmental safety and security**
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- XVI. **Sintering of Si:B₄C Nano-composite using a Laser Zone Melting Under Normal Pressure and Room Temperature**
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GÜRSUL M., ÖZÇELİK B.
2nd International Mediterranean Science and Engineering Congress (IMSEC2017), Adana, Turkey, 25 - 27 October 2017, pp.611
- XXV. **Improvement of the thermoelectric properties of Bi₂Ca₂Co_{1.80}y by K substitution**
GÜRSUL M., ÖZÇELİK B., TORRES M. A., MADRE A., SOTELO A.
2nd International Mediterranean Science and Engineering Congress (IMSEC2017), Adana, Turkey, 25 - 27 October 2017, pp.6
- XXVI. **Effects of Ti Substitution on Thermoelectric Properties of Bi₂Sr₂Co_{1.80}y Ceramic Textured by Laser Floating Zone (LFZ) Technique**
ÖZÇELİK B., GÜRSUL M., Torres M. A., Sotelo A., Madre M.
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- XXVII. **Combustion Synthesis of Lanthanide Doped Borate Nanoparticles**
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- XXVIII. **Effect of co-doping Eu⁺² and Gd⁺³ on Structural and Magnetic Properties of NaCa₄(BO₃)₃: xEu²⁺+xGd³⁺ Luminescence Material**
GULER N. K., IŞIK S., HALEFOĞLU Y. Z., ÖZÇELİK B.
International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017, pp.122
- XXIX. **Improvement of the Superconducting Properties of FeSe_{0.4}Te_{0.6} by Increasing Cooling Rate**
GÜRSUL M., ÖZÇELİK B.
International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017, pp.56
- XXX. **Effects of Ti Substitution on Thermoelectric Properties of Bi₂Sr₂Co_{1.80}y Ceramic Textured by Laser Floating Zone (LFZ) Technique**
ÖZÇELİK B., GÜRSUL M., Sotelo A., Madre M., Torres M.
International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017, pp.116
- XXXI. **Physical Properties of Cr doped Bi₂Sr₂Ca₁Cu_{2-x}CrxO_y (Bi-2212) Superconductors Prepared by Laser Floating Zone Technique**
Gün E., Özkurt B., Madre M., Sotelo A., Diez J. C., ÖZÇELİK B.
International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017, pp.98
- XXXII. **Remarks on the improvement of performances in thermoelectric oxides**
SOTELO A., Costa F., Ferreira N., TORRES M. A., MADRE A., DIEZ J. C., ÖZÇELİK B.

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- XXXIII. **Synthesis Properties of FeSe Based Superconductors**
GÜRSUL M., ÖZÇELİK B.
4th International conference on materials science and nanotechnology for next generation (MSNG2017), Saraybosna, Bosnia And Herzegovina, 28 - 30 June 2017, pp.59
- XXXIV. **Structural and Magnetic Properties of the Iron Selenide $K_{0.64}Na_{0.16}Fe_2-ySe_2$**
GÜRSUL M., LIU M., Morozov I., ÖZÇELİK B.
4th International conference on materials science and nanotechnology for next generation (MSNG2017), Saraybosna, Bosnia And Herzegovina, 28 - 30 June 2017, pp.189
- XXXV. **Physical and Superconducting Properties of Directionally Grown Bi-2212 Textured Materials by Substituting Na and Adding Ag**
ÖZÇELİK B., SOTELO A., MADRE A.
4th International conference on materials science and nanotechnology for next generation (MSNG2017), Saraybosna, Bosnia And Herzegovina, 28 - 30 June 2017, pp.237
- XXXVI. **Effect of Na Substitution on the Physical, Magnetoresistivity and Flux Pinning Energy of the $Bi_2Sr_2Ca_{1-x}Na_xCu_2O_{8+y}$ Superconductors**
ÖZÇELİK B., GÜRSUL M., SOTELO A., MADRE A.
4th International conference on materials science and nanotechnology for next generation (MSNG2017), Saraybosna, Bosnia And Herzegovina, 28 - 30 June 2017, pp.19
- XXXVII. **Improvement of Physical Properties of Bi 2212 textured materials by Substituting Na and Adding Ag**
ÖZÇELİK B.
International Workshop on Superconductivity and Related Functional Materials (IWSRFM2016), Tsukuba, Japan, 20 - 22 December 2016
- XXXVIII. **Characterization of the phase composition crystal structure and magnetic properties of the iron selenide $BaFe_2Se_2$**
GÜRSUL M., EKİCİBİL A., ÖZÇELİK B.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016
- XXXIX. **Effect of potassium substitution on the thermoelectric properties of $Bi_2Sr_2Co_2O_x$ ceramics**
KARAKAYA G., ÖZÇELİK B.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016
- XL. **Production characterization and effect of Te doping FeSe 11 compounds**
Farisoğulları D., Kantarcı Güler N., KARADAĞ F., EKİCİBİL A., ÖZÇELİK B.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016
- XLI. **Fabrication and physical properties of $FeTe_{0.7}Se_{0.3}$ compounds**
Farisoğulları D., Kantarcı Güler N., KARADAĞ F., EKİCİBİL A., ÖZÇELİK B.
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- XLII. **Characterization of phase composition crystal structure and magnetic properties of the iron selenide $BaFe_2Se_2$**
GÜRSUL M., EKİCİBİL A., ÖZÇELİK B.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016
- XLIII. **Effect of potassium substitution on the thermoelectric properties of $Bi_2Sr_2Co_2O_x$ ceramics**
KARAKAYA G., ÖZÇELİK B.
IMSEC 2016, 26 - 28 October 2016
- XLIV. **Production Characterization and Effect of Te Doping on FeSe 11Compounds**
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1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016
- XLV. **Effects of K doping in $Bi_2Sr_2Co_2O_y$ thermoelectric materials**
ÇETİN G., ÖZÇELİK B.

IMSEC 2016, Adana, Turkey, 26 October 2016 - 28 October 2016, pp.3737

- XLVI. **Improvement of Bi₂Sr₂Co₂O_x thermoelectric performances by K doping**
ÇETİN KARAKAYA G., ÖZÇELİK B., NANE O.
ECT 2016, 20 - 23 October 2016
- XLVII. **Effect of Sodium substitution on the thermoelectric properties of Bi₂Sr₂Co₂O_x ceramics**
ÇETİN KARAKAYA G., ÖZÇELİK B., NANE O.
ECT 2016, 20 - 23 October 2016
- XLVIII. **The cooling rate effect on structure and superconducting properties FeTe_{0.5}Se_{0.5} of prepared by the self flux method**
Farisoğulları D., Kantarcı Güler N., EKİCİBİL A., KARADAĞ F., ÖZÇELİK B.
2nd International Advanced and Functional Materials Technologies (AFMAT) 2016, Antalya, Turkey, 20 - 22 October 2016
- XLIX. **Comparison of the thermoelectric performances of Na and K substituted Bi₂Sr₂Co₂O_x sample**
KARAKAYA G., ÖZÇELİK B.
2nd International Advanced and Functional Materials Technologies (AFMAT) 2016, Antalya, Turkey, 20 - 22 October 2016
- L. **Effect of K substitution in directionally grown Bi₂Sr₂Co₂O_x ceramics**
KARAKAYA G., ÖZÇELİK B.
2nd International Advanced and Functional Materials Technologies (AFMAT) 2016, Antalya, Turkey, 20 - 22 October 2016
- LI. **Influence of Ge doping on the superconducting properties of FeSe_{0.98}**
Farisoğulları D., Kantarcı Güler N., EKİCİBİL A., KARADAĞ F., ÖZÇELİK B.
2nd International Advanced and Functional Materials Technologies, 20 - 22 October 2016
- LII. **Influence of Ge doping on the superconducting properties of FeSe_{0.98}**
EKİCİBİL A., KARADAĞ F., ÖZÇELİK B.
2nd International Advanced and Functional Materials Technologies (AFMAT) 2016, Antalya, Turkey, 20 - 22 October 2016, pp.1
- LIII. **The cooling rate effect on structure and superconducting properties FeSe_{0.5}Te_{0.5} of prepared by the self-flux method**
EKİCİBİL A., KARADAĞ F., ÖZÇELİK B.
2nd International Advanced and Functional Materials Technologies (AFMAT) 2016, Antalya, Turkey, 20 - 22 October 2016, pp.1
- LIV. **Influence of Ge doping on the superconducting properties of FeSe_{0.98}**
EKİCİBİL A., KARADAĞ F., ÖZÇELİK B.
2nd International Advanced and Functional Materials Technologies (AFMAT) 2016, Antalya, Turkey, 20 - 22 October 2016, pp.1
- LV. **The cooling rate effect on structure and superconducting properties FeSe_{0.5}Te_{0.5} of prepared by the self-flux method**
Farisoğulları D., Kantarcı Güler N., Ekicibil A., Karadağ F., Özçelik B.
2nd International Advanced and Functional Materials Technologies (AFMAT) 2016, Antalya, Turkey, 20 - 22 October 2016, pp.1
- LVI. **The Cooling Rate and Annealing Effects on Structure Composition and Superconducting Properties FeSe_{0.5}Te_{0.5} of Prepared by the Self Flux Method**
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- LVIII. **Effect of Na substitution in directionally grown Bi₂Sr₂Co₂O_x ceramics**
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- LIX. **Structural and Magnetic Properties of $K_{1-x}Na_xFe_2-ySe_2$**
ÖZÇELİK B., EKİCİBİL A., GÜRSUL M.
THE EMN PRAGUE MEETING 2016, Prague, Czech Republic, 21 June - 24 July 2016, pp.130-131
- LX. **Structural and Magnetic Properties of $K_{1-x}Na_xFe_2-ySe_2$**
ÖZÇELİK B., EKİCİBİL A., GÜRSUL M.
THE EMN PRAGUE MEETING 2016, Prague, Czech Republic, 21 June - 24 July 2016, pp.130-131
- LXI. **Effect of Ag Addition on Pinning Mechanism and Superconducting Properties of K Substituted Bi-2212 Bulk Ceramics**
ÖZÇELİK B., NANE O.
THE EMN PRAGUE MEETING, Prag, Czech Republic, 21 - 24 June 2016, pp.130
- LXII. **Structural and Magnetic Properties of $K_{1-x}Na_xFe_2-ySe_2$**
ÖZÇELİK B., GÜRSUL M., EKİCİBİL A.
THE EMN PRAGUE MEETING, Prag, Czech Republic, 21 - 24 June 2016, pp.130-131
- LXIII. **Investigation of Vanadium Substitution on the Superconductivity of Bi 2212**
NANE O., ÖZÇELİK B.
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- LXIV. **Study on Bi 2212 Thin Films Produced by Pulsed Laser Deposition**
KARAKAYA G., NANE O., ÖZÇELİK B.
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- LXV. **Improvement of Structural and Superconducting Properties of Bi 2212 Superconductor Prepared By Hot Forging Process**
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- LXVI. **A Study on Bi 2212 Thin Films Produced by Pulsed Laser Deposition**
KARAKAYA G., NANE O., ÖZÇELİK B.
ICSM 2016, 24 - 30 April 2016
- LXVII. **INVESTIGATION OF VANADIUM SUBSTITUTION ON THE SUPERCONDUCTIVITY OF Bi-2212**
ÖZÇELİK B., NANE O.
International Congress on Superconductivity and Magnetism (ICSM2016), Muğla, Turkey, 24 - 30 April 2016, pp.585
- LXVIII. **EFFECT OF Na-SUBSTITUTION ON THE SUPERCONDUCTING PROPERTIES OF $K_{1-x}Fe_2-ySe_2$**
ÖZÇELİK B., GÜRSUL M., EKİCİBİL A., LIU M., MOROZOV I., WURMEHL S., BÜCHNER B.
International Congress on Superconductivity and Magnetism (ICSM2016), Antalya, Turkey, 24 - 30 April 2016, pp.763
- LXIX. **STRUCTURAL AND MAGNETIC PROPERTIES OF CO-DOPED $NaCa_4(BO_3)_3:Eu^{2+};Dy^{3+}$ LUMINESCENCE MATERIALS**
ÖZÇELİK B., KANTARCI GÜLER N., IŞIK S., EKİCİBİL A., SERİNDAĞ O.
International Congress on Superconductivity and Magnetism (ICSM2016), Muğla, Turkey, 24 - 30 April 2016, pp.718
- LXX. **EFFECT OF Na-SUBSTITUTION ON THE SUPERCONDUCTING PROPERTIES OF $K_{1-x}Fe_2-ySe_2$**
ÖZÇELİK B., GÜRSUL M., EKİCİBİL A., LIU M., MOROZOV I., WURMEHL S., BÜCHNER B.
International Congress on Superconductivity and Magnetism (ICSM2016), Antalya, Turkey, 24 - 30 April 2016, pp.763
- LXXI. **Advanced Laser Processing of Superconductors**
ÖZÇELİK B., NANE O., Lennikov V., Angurel L., Sotelo A., de la Fuente X.
International Congress on Superconductivity and Magnetism (ICSM2016), Muğla, Turkey, 24 - 30 April 2016, pp.234
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ICSM 2016, Antalya, Turkey, 24 - 30 April 2016, pp.758
- LXXIII. **EFFECT OF Na-SUBSTITUTION ON THE SUPERCONDUCTING PROPERTIES OF $K_{1-x}Fe_2-ySe_2$**
EKİCİBİL A., GÜRSUL M., ÖZÇELİK B.
ICSM 2016, Antalya, Turkey, 24 - 30 April 2016, pp.758
- LXXIV. **EFFECT OF Nb SUBSTITUTION FOR Ca SITE OF Bi-2212 SUPERCONDUCTOR**
ÖZÇELİK B., NANE O.
International Congress on Superconductivity and Magnetism (ICSM2016), Muğla, Turkey, 24 - 30 April 2016, pp.586
- LXXV. **Effect of Na And Ag Co-Doping on the Electrical and Mechanical Properties of Bi-2212 Textured Materials**
ÖZÇELİK B., SOTELO A., NANE O., AMEDA H., MADRE A.
International Congress on Superconductivity and Magnetism (ICSM2016), Muğla, Turkey, 24 - 30 April 2016, pp.237
- LXXVI. **IMPROVEMENT OF STRUCTURAL AND SUPERCONDUCTING PROPERTIES OF Bi-2212 SUPERCONDUCTOR PREPARED BY HOT-FORGING PROCESS**
ÖZÇELİK B., NANE O., SOTELO A., AMAVEDA H., MADRE A.
International Congress on Superconductivity and Magnetism (ICSM2016), Muğla, Turkey, 24 - 30 April 2016, pp.584
- LXXVII. **Thermal Conductivity and Thermoelectric Power of Yb-Substituted Bi-2212 Superconductor**
Gundogmus H., ÖZÇELİK B., Sotelo A., Madre M. A.
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- LXXVIII. **The physical and magnetic properties of FeSe-11 superconductor**
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- LXXIX. **The synthesis and magnetic structure of the iron selenide $Ba_{0.8}Fe_2Se_2$**
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- LXXX. **La ile Pr Yer Değiştirmesinin, $(La_{1-x}Pr_x)_{0.85}Ag_{0.15}MnO_3$ ($x = 0, 0.1$ ve 0.2) Perovskit Manganitlerinin Yapısal, Manyetik ve Manyetokalorik Özellikleri Üzerine Etkisi**
Ayas A. O., AKYOL M., KILIÇ S., AKÇA G., EKİCİBİL A., ÖZÇELİK B.
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- LXXXI. **La ile Pr Yer Değiştirmesinin $La_{1-x}Pr_x$ $0.85Ag_{0.15}MnO_3$ $x = 0, 0.1$ ve 0.2 Perovskit Manganitlerinin Yapısal Manyetik ve Manyetokalorik Özellikleri Üzerine Etkisi**
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- LXXXIII. **Effect of Sodium Substitution on Superconductivity in Bi 2212 Textured Rods for Current Limiter Applications**
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- LXXXIV. **Investigation of structural, magnetic and magnetocaloric properties of $(La_{1-x}Pr_x)_{0.85}Ag_{0.15}MnO_3$ ($x = 0.0, 0.2$)**
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- LXXXVI. **The Effects of Vanadium Substitution on Microstructure of Bi 2212 Phase**
NANE O., ÖZÇELİK B.
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- LXXXVII. **Thermal Conductivity and Thermoelectric Power of Potassium and Sodium Substituted Bi 2212 Superconductor prepared by PEI Technique**
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- LXXXVIII. **Processing of superconducting bulk materials using continuous furnaces**
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- ÖZÇELİK B., Project Supported by Higher Education Institutions, BSCO Seramik Malzemesinin Termoelektrik Parametrelerine Rubidyum Rb Katkısının Araştırılması, 2019 - 2021
- ÖZÇELİK B., ÇETİN G., Project Supported by Higher Education Institutions, LFZ Tekniğiyle Bi2Sr2xNaxCo2Ox ve Bi2Sr2xKxCo2Ox Termoelektrik Malzemelerin Üretimi ve Karakterizasyonu, 2016 - 2021
- ÖZÇELİK B., GÜRSUL M., ÇETİN G., Project Supported by Higher Education Institutions, Cs Katkısının Bi2Sr2Co2Ox Termoelektrik Malzemeleri Üzerine Etkisi, 2018 - 2019
- ÖZÇELİK B., Ergin İ., Project Supported by Higher Education Institutions, Cs katkısının BSCCO süperiletkeninin fiziksel özellikleri üzerindeki etkilerinin araştırılması, 2018 - 2019
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Congress and Symposium Activities

The 8th Asian Conference on Applied Superconductivity and Cryogenics (ACASC2015), 22-25 Kasım, 2015 Çin., Attendee, Hangzhou, China, 2015
9th International Conference on Magnetic and Superconducting Materials (MSM15), Attendee, Antalya, Turkey, 2015
4. International Congress on Superconductivity and Magnetism ICSM-2014, Attendee, Antalya, Turkey, 2014
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