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Eğitim Bilgileri

Bütünleşik Doktora, Universiteit Leiden, Üretim Yönetimi Ve Pazarlama Anabilim Dalı, Fizik, Hollanda 1986 - 1990

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 1983 - 1986

Lisans, Çukurova Üniversitesi, Fen Edebiyat Fakültesi, Fizik Mühendisliği, Türkiye 1979 - 1983

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

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

Yüksek Lisans, Oda Sıcaklığında Magnetik Maddelerin Mıknatıslanmasını Ölçebilen bir Magnetometre Yapımı, Kalibrasyonu ve Önölçümler , Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 1986

Araştırma Alanları

Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Malzeme Karakterizasyonu, Fizik, Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler , Yoğun maddenin termal özellikleri, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Manyetik özellikler ve malzemeler, Süperiletkenlik, Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2000 - Devam Ediyor

Doç. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1994 - 2000

Yrd. Doç. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1991 - 1994

Araştırma Görevlisi, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1984 - 1991

Akademik İdari Deneyim

Çukurova Üniversitesi, 2012 - 2015

Çukurova Üniversitesi, 2002 - 2005

Çukurova Üniversitesi, 2002 - 2005

Çukurova Üniversitesi, 2000 - 2005

Çukurova Üniversitesi, Beden Eğitimi Ve Spor Yüksekokulu, 2000 - 2002

Verdiği Dersler

Yüksek Sıcaklık Süperiletkenlerin Teknolojik Uygulamaları, Lisans, 2013 - 2014

Fizik2, Lisans, 2013 - 2014

Fizik 1, Lisans, 2013 - 2014

Yüksek Sıcaklık Süperiletkenliğine Giriş, Lisans, 2013 - 2014

Yönetilen Tezler

ÖZÇELİK B., Polimerizasyon Tekniğiyle Üretilen Potasyum (K) katkılı BSCCO Süperiletken malzemelerin fiziksel özelliklerinin incelenmesi, Yüksek Lisans, E.Yalaz(Öğrenci), 2013

ÖZÇELİK B., Co katkısının BSCCO süperiletkeninin yapısal ve fiziksel özellikleri üzerindeki etkilerinin araştırılması, Yüksek Lisans, A.Özslan(Öğrenci), 2013

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ÖZÇELİK B., Sm1-xTbxNi4B Bileşiklerinin Fiziksel Özelliklerinin Araştırılması, Yüksek Lisans, O.Nane(Öğrenci), 2009

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ÖZÇELİK B., Nd ve Gd Katkılı Süperiletken Sisteminin Fiziksel ve Isısal Özellikleri, Doktora, B.Özkurt(Öğrenci), 2007

ÖZÇELİK B., Fosfin Metal Komplekslerinin Fiziksel Özellikleri, Yüksek Lisans, D.Yazıcı(Öğrenci), 2007

ÖZÇELİK B., Fosfinli Metal Komplekslerin Optik Özellikleri, Yüksek Lisans, H.Gündoğmuş(Öğrenci), 2006

ÖZÇELİK B., BSCCO Süperiletkenlerine Yapılan Katkıların Yapısal ve Fiziksel Özelliklerine Etkileri, Doktora, A.Ekicibil(Öğrenci), 2005

ÖZÇELİK B., BSCCO Süperiletken Sistemine Farklı Konsantrasyonlarda Godalanyum Katkılmasının Malzemenin Yapısal, Elektriksel ve Manyetik Özellikleri Üzerindeki Etkisi, Doktora, A.Coşkun(Öğrenci), 2004

ÖZÇELİK B., Nöron Dinamiğinin İncelenmesi, Yüksek Lisans, A.Murat(Öğrenci), 2003

ÖZÇELİK B., Bazı Magnetik Malzemelerin Fiziksel Özelliklerinin İncelenmesi, Yüksek Lisans, B.Özkurt(Öğrenci), 2003

ÖZÇELİK B., Antiferromagnetik Özellik Gösteren Seyreltik Malzemelerin Fiziksel Özellikleri, Yüksek Lisans, S.Seçkin(Öğrenci), 2003

ÖZÇELİK B., Magnetik Sistemlerin Faz Geçiş Bölgeleri Civarındaki Kritik Davranışlarının İncelenmesi, Yüksek Lisans, F.Karadağ(Öğrenci), 1998

ÖZÇELİK B., HTc Süperiletkenlerin Fiziksel Özelliklerinin Teorisi, Yüksek Lisans, A.Ekicibil(Öğrenci), 1998

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- 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., Yalcin B., Arda L., ÖZÇELİK B.
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- 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.
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- 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, cilt.299, 2024 (SCI-Expanded)
- IV. **Sr-doped CuFe₂O₄ nanoparticles: Exploring structural, magnetic, and blood compatibility characteristics**
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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.
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- 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.
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- 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.
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- 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, cilt.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.
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- 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.
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- 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.
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- 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.
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- 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, cilt.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.
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- 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.
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- 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.
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- 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, cilt.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.
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- 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.
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- 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.
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- XXI. **Increase of electric performances in Bi₂Sr_{2-x}Rb_xCo₂O_{8+delta} laser grown ceramics induced by annealing**
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- 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.
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- 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, cilt.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.
 Boletín de la Sociedad Española de Cerámica y Vidrio, cilt.59, sa.3, ss.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.

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- 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, cilt.45, ss.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.
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- 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.
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- 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.
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- 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, cilt.57, ss.203-211, 2019 (SCI-Expanded)
- XXXI. **Effect of Carbon Nanotube Addition on the Superconducting Properties of BSCCO Samples Textured via Laser Floating Zone Technique**
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- XXXII. **Structural, superconducting and vortex pinning properties of Nb-substituted Bi-2212 ceramic superconductor**
Nane F. K., Ozcelik B.
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- 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.
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- XXXIV. **Effect of Nb³⁺ Substitution on the Structural, Magnetic, and Optical Properties of Co_{0.5}Ni_{0.5}Fe₂O₄ Nanoparticles**
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- 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.
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- XXXVI. **The effect of Nb substitution on magnetic properties of BaFe₁₂O₁₉ nano-hexaferrites**
ALMESSIERE M. A., SLIMANI Y., TASHKANDI N. A., Baykal A., SARAÇ M. S., TRUKHANOV A. V., ERCAN I., BELENLI I., ÖZÇELİK B.
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- 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.
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- 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, cilt.44, sa.12, ss.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**
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- 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.
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- XLII. **Improvement of Bi₂Sr₂Co₂O_y thermoelectric performances by Na doping**
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- XLIII. **Physical, electrical and magnetic properties of Cr doped Bi₂Sr₂Ca₁Cu₂-xCr_xO_y (Bi-2212) superconductors prepared by laser floating zone technique**
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- XLIV. **Effects of K substitution on thermoelectric and magnetic properties of Bi₂Sr₂Co₂O_y ceramic**
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- XLV. **Effect of Na substitution and Ag addition on the superconducting properties of Bi-2212 textured materials**
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- XLVI. **Effect of Na substitution on superconducting properties of Bi-2212 ceramics prepared by Sinter-Forged process**
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- XLVII. **Enhanced physical properties of single crystal Fe_{0.99}Te_{0.63}Se_{0.37} prepared by self-flux synthesis method**
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- XLVIII. **Effect of Sodium Substitution on Structural and Magnetic Properties of KFe₂-y Se-2**
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Yayın: 241
Atf (WoS): 1197
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H-İndeks (WoS): 19
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Kongre ve Sempozyum Katılımı Faaliyetleri

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