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Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 1998 - 2005

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 1996 - 1998

Lisans, Gaziantep Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği, Türkiye 1991 - 1995

Yaptığı Tezler

Doktora, BSCCO Süperiletkenlerine Yapılan Katkıların Yapısal ve Fiziksel Özelliklere Etkisi, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Bölümü, 2005

Yüksek Lisans, Yüksek Sıcaklık Süperiletkenlerinin Fiziksel Özelliklerinin Teorisi, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Bölümü, 1998

Araştırma Alanları

Fizik, Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler , Katı ve sıvı yapılar, kristalografi, Yoğun maddenin termal özellikleri, Yüzeyler ve arayüzeyler; İnce filmler ve nanosistemler, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Bulk malzemenin elektronik yapısı, Manyetik özellikler ve malzemeler, Süperiletkenlik, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2022 - Devam Ediyor

Doç. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2013 - Devam Ediyor

Yrd. Doç. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2009 - 2013

Öğretim Görevlisi Dr., Çukurova Üniversitesi, Adana Meslek Yüksekokulu, Adana Meslek Yüksekokulu, 2006 - 2009

Araştırma Görevlisi, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1998 - 2005

Akademik İdari Deneyim

Uygulama ve Araştırma Merkezi Müdürü, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2021 - Devam Ediyor
Bölüm Başkan Yardımcısı, Çukurova Üniversitesi, 2016 - 2022
Uygulama ve Araştırma Merkezi Müdür Yardımcısı, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2016 - 2021
Çukurova Üniversitesi, İletişim Fakültesi, Radyo Televizyon Sinema, 2012 - 2014
Çukurova Üniversitesi, İletişim Fakültesi, 2009 - 2013
Çukurova Üniversitesi, Adana Meslek Yüksekokulu, Teknik Programlar, 2009 - 2010

Verdiği Dersler

Superconductors and Their Applications, Yüksek Lisans, 2018 - 2019
Material Science II, Lisans, 2018 - 2019
Physical Principles of Magnetism, Yüksek Lisans, 2018 - 2019
Current Topics in Solid State Physics I, Doktora, 2019 - 2020
Fizik I, Lisans, 2019 - 2020
Condensed Matter Physics I, Yüksek Lisans, 2019 - 2020
Magnetic Properties of Magnetic Alloys , Yüksek Lisans, 2019 - 2020
Current Topics in Solid State Physics II, Doktora, 2018 - 2019

Yönetilen Tezler

Ekicibil A., Ekşi A. K., Investigation of physical and mechanical properties of 316L and 410 stainless steels manufactured by powder metallurgy method, Doktora, A.NUR(Öğrenci), 2019
Ekicibil A., Karadağ F., Production and characterization of FeSe-11 superconductor crystals and wires, Doktora, D.FARISOĞULLARI(Öğrenci), 2019
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EKİCİBİL A., Geçiş Metali Dy Katkılı Zn_{0.8-4y}Dy_yO_x Bileşiklerinin Yapısal ve Manyetik özelliklerinin Araştırılması, Yüksek Lisans, M.Akyol(Öğrenci), 2011
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EKİCİBİL A., Y₃Ba₅Cu₈O₁₈ ve Y₃Ba₅Ca₂Cu₈O₁₈ Numunelerinin Yapısal Özelliklerinin İncelenmesi, Yüksek Lisans, A.Osman(Öğrenci), 2010
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Optical properties of NiO films: Effect of nitrogen-doping, substrate temperature and band gap estimation using machine learning**
KAYA D., Hopoğlu H., Çelik A., Akyol M., KARADAĞ F., ŞENADIM TÜZEMEN E., EKİCİBİL A.
Materials Science and Engineering: B, cilt.307, 2024 (SCI-Expanded)
- II. **Study of magnetocaloric properties of small Bi-doped $\text{Pr}_{0.55}\text{Ca}_{0.05}\text{Ba}_{0.40}\text{Mn}_{1-x}\text{Bi}_x\text{O}_3$ manganites**
Akça G., Kılıç Çetin S., EKİCİBİL A.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, cilt.35, sa.1442, ss.1-13, 2024 (SCI-Expanded)
- III. **Enhanced photocatalytic activity in AgCu-decorated ZnO nanoparticles under UV and sunlight**
Noua A. E., KAYA D., SIGIRCIK G., TÜKEN T., KARADAĞ F., EKİCİBİL A.
Journal of Materials Science: Materials in Electronics, cilt.35, sa.18, 2024 (SCI-Expanded)
- IV. **Enhancement of magnetocaloric effect by partial substitution of Bi in $\text{La}_{0.60}\text{Dy}_{0.10}\text{Sr}_{0.30}\text{Mn}(1-x)\text{Bi}_x\text{O}_3$ manganites ($x = 0, 0.01, 0.03, \text{ and } 0.10$)**
KURT M. Z., KILIÇ ÇETİN S., Kandemir A., AKÇA G., KARADAĞ F., EKİCİBİL A.
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- V. **Bifunctional bimetallic PtNi, PtCu, and NiCu nanoparticles: Electrocatalytic activities for hydrogen evolution reaction and magnetic properties**
Baldan Işık I., Kaya D., Işık H. H., EKİCİBİL A., Karadağ F.
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- VI. **Effect of Ag-doping process into the yttrium iron garnet ($\text{Y}_3\text{Fe}_5\text{O}_12$) thin films on the structural, magnetic and optical properties**
Demiryürek N., Akyol M., KARADAĞ F., EKİCİBİL A.
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- VII. **One-pot synthesis of multifunctional ternary PtCuNi alloys: Magnetic properties and efficient hydrogen evolution reaction in alkaline media**
Baldan Işık I., Kaya D., EKİCİBİL A., Karadağ F.
ELECTROCHIMICA ACTA, cilt.477, ss.143794, 2024 (SCI-Expanded)
- VIII. **Electronic and magnetic properties of boron substituted CuFeO_2 delafossite oxide**
Ezircan A., Aslan M. S., Miyazaki H., Akyol M., Ozkendir O. M., EKİCİBİL A., Öztürk H.
Philosophical Magazine, 2024 (SCI-Expanded)
- IX. **Comprehensive investigation of Ni-rich PtNi alloy nanoparticles: structural, magnetic, and catalytic properties for efficient alkaline water electrolysis**
Noua A. E., KAYA D., KARADAĞ F., EKİCİBİL A.
Journal of Nanoparticle Research, cilt.26, sa.1, 2024 (SCI-Expanded)
- X. **Highly active bimetallic Pt-Cu nanoparticles for the electrocatalysis of hydrogen evolution reactions: Experimental and theoretical insight**
KAYA D., Demiroglu I., Isik I., Isik H., Çetin S., Sevik C., EKİCİBİL A., KARADAĞ F.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.48, sa.95, ss.37209-37223, 2023 (SCI-Expanded)
- XI. **Magnetocaloric effect in $\text{PrGd}_{1-x}\text{Ba}_x\text{Mn}_2\text{O}_6$ ($0.0 \leq x \leq 1.0$) double perovskite manganite system**
Akça G., Kandemir A., Ayaş A. O., Kılıç Çetin S., Akyol M., EKİCİBİL A.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, cilt.34, sa.34-, ss.1-16, 2023 (SCI-Expanded)
- XII. **Investigating the optical, electronic, magnetic properties and DFT of NiO films prepared using RF sputtering with various argon pressures**
Hopoglu H., KAYA D., Maslov M., Kaya S., Demir L., Altuntas I., Ungan F., AKYOL M., EKİCİBİL A., Tüzemen E.
PHYSICA B-CONDENSED MATTER, cilt.661, 2023 (SCI-Expanded)
- XIII. **A comparative study of magnetic, and magnetocaloric properties of different transition metal-doped $\text{La}_{0.67}\text{Sr}_{0.33}\text{AO}_3$ (A: Mn, Co, Cr, and Fe) samples**
Coşkun A. T., Ak Y. S., Güleç N., Akça G., Kılıç Çetin S., EKİCİBİL A., Coşkun A.
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- XIV. **Preparation of TiO_2/VO_x , $\text{TiO}_2/\text{SiO}_2$, and VO_x/SiO_2 nanostructures by hydrothermal methods and determination of their magnetic properties**
Mohammad Hasham M. T., Ay B., Kaya D., Yıldız E., EKİCİBİL A.

- NEW JOURNAL OF CHEMISTRY, cilt.47, sa.7, ss.3312-3320, 2023 (SCI-Expanded)
- XV. Pressure effect on the structural, magnetic and thermophysical properties of X12Cr13 martensitic stainless steel prepared by powder metallurgy method
Acar A. N., Kaya D., Ekşi A. K., Ekicibil A.
MATERIALS TODAY COMMUNICATIONS, cilt.33, ss.104924-104935, 2022 (SCI-Expanded)
- XVI. Synthesis and characterization of bifunctional Ru doped La-based perovskites for magnetic refrigeration and energy storage systems
Kılıç Çetin S., Akça G., Kaya D., Ayaş A. O., Ekicibil A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.1, ss.1-11, 2022 (SCI-Expanded)
- XVII. Investigation of structural and magnetic characteristic of pure and M-doped (M: Fe and Cu) MoS₂ thin films
Kivrak B., Akyol M., EKİCİBİL A.
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- XVIII. Impact of Li concentration in KMgF₃:Eu,Yb fluoroperovskite on structure and luminescence properties
Güçkan V., Kaya D., Altunal V., Ekicibil A., Karadağ F., Özdemir A., Yeğençil Z.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.902, ss.163810, 2022 (SCI-Expanded)
- XIX. The investigation of the effect of K doping on the structural, magnetic, and magnetocaloric properties of La_{1.4-x}K_xCa_{1.6}Mn₂₀₇ (0.0 <= x <= 0.4) double perovskite manganite
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JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.33, ss.10990-11001, 2022 (SCI-Expanded)
- XX. Investigation of the effect of sintering temperature on structural, magnetic and magnetocaloric properties in PrCaMn₂₀₆ double perovskite manganite system
AYAŞ A. O., Kandemir A., Cetin S. K., AKÇA G., Akyol M., EKİCİBİL A.
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- XXI. Energy storage performance of LiV₃O₈/water-in-salt electrolyte/LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ cell for aqueous lithium-ion batteries
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JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.908, ss.1-8, 2022 (SCI-Expanded)
- XXIII. Effect of Gd-doping in Ni/NiO core/shell magnetic nanoparticles (MNPs) on structural, magnetic, and hydrogen evolution reaction
Adanur I., Karazehir T., DOĞRU MERT B., Akyol M., EKİCİBİL A.
JOURNAL OF CHEMICAL PHYSICS, cilt.156, sa.6, 2022 (SCI-Expanded)
- XXIV. Magnetically separable low Pt substituted Co nanoparticles: Investigation of structural, magnetic, and catalytic properties
Kaya D., Işık H. H., Baldan Işık İ., Adanur İ., Wang Y., Akyol M., Karadağ F., Ekicibil A.
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- XXV. Effect of Sintering Time on the Crystallisation, Morphology, Structure, Electric, Magnetic and Magnetocaloric Properties of La_{0.80}Ag_{0.20}Mn₀₃
Tokkaya A., Kılıç Çetin S., Altan B., Coşkun A., Taşarkuyu E., Ekicibil A.
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- XXVI. Synthesis and characterization of nanoparticles reinforced epoxy based advanced radar absorbing composites
Tumen K. U., Kivrak B., Alkurt F. O., Akyol M., Karaaslan M., EKİCİBİL A.
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- XXVII. **Detailed investigation of structural and magnetic properties of multiphase binary Pd-Co alloys prepared by modified polyol process**
 KAYA D., Adanur I., Akyol M., KARADAĞ F., EKİCİBİL A.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.876, 2021 (SCI-Expanded)
- XXVIII. **A systematic study on luminescence characterization of lanthanide-doped BeO ceramic dosimeters**
 Altunal V., Guckan V., Ozdemir A., Ekicibil A., Karadağ F., Yegingil I., Zydhachevskyy Y., Yeğinil Z.
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- XXIX. **Structural, electrical, dielectric properties and complex impedance analysis of Pr_{0.6}Sr_{0.4}Mn_{1-x}AxO₃ perovskites (A=Cr and Ti)**
 Snini K., Abidi R., Ekicibil A., Ellouze M., El Mir L.
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- XXX. **Investigation of optical, electronic, and magnetic properties of p-type NiO thin film on different substrates**
 KAYA D., AYDINOĞLU H. S., ŞENADIM TÜZEMEN E., EKİCİBİL A.
THIN SOLID FILMS, cilt.732, 2021 (SCI-Expanded)
- XXXI. **The effect of Ni-substitution with Mn on electrical, magnetic and magnetocaloric properties in Pr_{0.67}Ba_{0.22}Sr_{0.11}Mn_{1-x}Ni_xO₃ manganites**
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- XXXII. **YBCO superconductor added with one-dimensional TiO₂ nanostructures: Frequency dependencies of AC susceptibility, FC-ZFC magnetization, and pseudo-gap studies**
 Hannachi E., Slimani Y., Okasha A. T., Yasin G., Iqbal M., Shariq M., Kaya D., Azzouz F. B., Ekicibil A.
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- XXXIII. **Effect of Ho substitution on structural, magnetic and magnetocaloric properties of Co(CrFe)O₄**
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- XXXIV. **New application area for magnetocaloric materials: Hyperthermia method**
 AYAŞ A. O., Secilmis E., EKİCİBİL A.
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- XXXV. **A systematic study on luminescence characterization of lanthanide-doped BeO ceramic dosimeters**
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- XXXVI. **Investigation of Magnetic Anisotropy in the Ni-Ge and Ni(NiO)-Ge Thin Films**
 KAYA D., Akyol M., Wang Y., Guo Q., KARADAĞ F., EKİCİBİL A.
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- XXXVII. **Role of nickel doping on magnetocaloric properties of La_{0.7}Sr_{0.3}Mn_{1-x}Ni_xO₃ manganites**
 Cetin S. K., AKÇA G., Aslan M. S., EKİCİBİL A.
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- XXXVIII. **Synthesis, Structural Characterization, Electric and Dielectric Properties of Pr_{0.67}Ba_{0.22}Sr_{0.11}Mn_{0.925}Ni_{0.075}O₃ Perovskite for Thermal Energy Storage**
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Journal Of Alloys And Compounds, cilt.874, ss.159866-159874, 2021 (SCI-Expanded)
- XXXIX. **Room-temperature magnetocaloric effect in Fe-substituted CoCr₂O₄ spinels**
 Gulkesen S., Tumen K. U., Akyol M., EKİCİBİL A.
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- XL. **The effect of the Ag addition on FeSe superconducting wire by the ex-situ PIT method**
 Farisogullari D., Babij M., Karadağ F., Ekicibil A., Takano Y.
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- XLI. **Synthesis of monodisperse CoPt nanoparticles: Structural and magnetic properties**
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- XLII. **Fe Addition Influence on the Mechanical and Thermophysical Behaviours of PM Alumix 431 Allo**
Acar A. N., Mutlu R. N., Kaya D., Ekşi A. K., Ekicibil A.
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- XLIII. **Strong magnetic coupling in MnO delta nanoparticles by doping Boron**
Demiryurek N., Kivrak B., Akyol M., EKİCİBİL A.
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- XLIV. **Effect of Ta insertion between Pt and CoFeB on interfacial magnetic anisotropy in Pt/CoFeB/MgO multilayer thin-film stack**
Akyol M., Kivrak B., Tumen K. U., EKİCİBİL A.
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- XLV. **Structural, Magnetic, and Electrical Properties of Bi(1.6)Pb(0.4)Sr(2)Ca(2)Cu(3)O(10+x)Superconductor Prepared by Different Techniques**
Coskun A., AKÇA G., Tasarkuyu E., Battal O., EKİCİBİL A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.33, sa.11, ss.3377-3393, 2020 (SCI-Expanded)
- XLVI. **Temperature-Dependent Dielectric and Magnetic Properties of Scandium-Substituted HoFeO(3)Nanoparticles**
Angadi V. J., Manjunatha K., Akyol M., EKİCİBİL A., Mattepanavar S., Pavlenko A., Kubrin S. P.
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- XLVII. **Structural, electrical properties and complex impedance analysis of Pr_{0.67}Ba_{0.22}Sr_{0.11}Mn₁₂xTixO₃ perovskites**
Snini K., Ghribi F., Ekicibil A., Ellouze M., El Mir L.
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- XLVIII. **Investigation of luminescence properties of BeO ceramics doped with metals for medical dosimetry**
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- XLIX. **Investigation of luminescence properties of BeO ceramics doped with metals for medical dosimetry**
Altunal V., Güçkan V., Özdemir A., Kurt K., Ekicibil A., Yeğençil Z.
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- L. **Evaluation of nanoparticle formation and magnetic properties by boron doping in Ni/NiO delta nanoparticles**
Adanur I., Akyol M., Tezcan F., KARADAŞ G., EKİCİBİL A.
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- LI. **The effect of the sintering process on Ag-added FeSe(0.94)superconducting wire**
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- LIII. **Composite xLa(0.7)Ca(0.2)Sr(0.1)MnO(3) /(1-x)La0.7Te0.3MnO₃ materials: magnetocaloric properties around room temperature**
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