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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1989 - 1993

Yüksek Lisans, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Türkiye 1986 - 1988

Lisans, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1979 - 1985

Yaptığı Tezler

Doktora, GaAs-Ga_{1-x}Al_xAs kuantum çukurlarında yük taşıyıcıları ve eksitonların alan altındaki davranışları, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, 2004

Yüksek Lisans, Biyolojik moleküllerde solitanlar, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 1988

Araştırma Alanları

Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2010 - Devam Ediyor

Mesleki Deneyim

Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2012 - 2016

Dekan, Sivas Cumhuriyet Üniversitesi, Eğitim Fakültesi, 2012 - 2016

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2010 - 2013

Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2004 - 2012

MYO Müdürü, Sivas Cumhuriyet Üniversitesi, Suşehri Timur Karabal Meslek Yüksekokulu, 1997 - 2004

Verdiği Dersler

Uzmanlık Alan Dersi, Doktora, 2019 - 2020

Genel Fizik - II, Lisans, 2018 - 2019

Genel Fizik - I, Lisans, 2019 - 2020

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Genel Fizik - II, Lisans, 2017 - 2018
Tez Çalışması, Doktora, 2018 - 2019
Seminer Dersi, Yüksek Lisans, 2014 - 2015
İleri Kuantum Mekanikinde Özel Konular I, Doktora, 2015 - 2016
Kuantum Fizigi II, Lisans, 2014 - 2015
Bilim Tarihi, Lisans, 2015 - 2016
Genel Fizik Laboratuvarı - II, Lisans, 2014 - 2015
Bilim Tarihi, Lisans, 2015 - 2016
Seminer Dersi, Doktora, 2015 - 2016
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Temel Bilgi Teknolojileri Kullanımı, Lisans, 2012 - 2013
Klasik Mekanik, Lisans, 2012 - 2013
Fizik Lab.Iv (Elek.Man.Dal.Ve Optik), Lisans, 2012 - 2013
Temel Bilgisayar Teknolojileri Kullanımı, Lisans, 2012 - 2013
İstatistik Fizik, Lisans, 2012 - 2013
Temel Bilgisayar Bilimleri, Lisans, 2012 - 2013
Fizik Lab.Iv (Elek.Man.Dal.Ve Optik), Lisans, 2012 - 2013
İstatistik Fizik, Lisans, 2012 - 2013
Fizik Lab. V (Elektronik), Lisans, 2012 - 2013
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SARİ H., Yarı-parabolik kuantum kuyusunda safsızlık düzeyleri ve özkutuplanma, Yüksek Lisans, F.AYDIN(Öğrenci), 2012

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Binding energies and optical absorption of donor impurities in spherical quantum dot under applied magnetic field**
AL E. B. , KASAPOĞLU E., Sakiroglu S., SARİ H., Sökmen I., Duque C.
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- IV. **Linear and nonlinear optical properties in a double inverse parabolic quantum well under applied electric and magnetic fields**
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- VI. **Effect of intense high-frequency laser field on the linear and nonlinear intersubband optical absorption coefficients and refractive index changes in a parabolic quantum well under the applied electric field**
Yesilgul U., Ungan F., Sakiroglu S., Mora-Ramos M. E. , Duque C. A. , Kasapoglu E., Sari H., Sokmen I.
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- VIII. **Nonlinear optical absorption and refractive index in GaInNAs/GaAs double quantum wells under intense laser field and applied electric field**
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- XI. **Electron-related nonlinearities in GaAs-Ga_{1-x}Al_xAs double quantum wells under the effects of intense laser field and applied electric field**
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- XII. **Effects of indium and nitrogen mole concentrations on the optical properties in a GaInNas/GaAs quantum well under the intense laser field**
Ungan F., Sakiroglu S., Yesilgul U., Erol A., Kasapoglu E., Sari H., Sokmen I.
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- XIII. **Effects of an intense, high-frequency laser field on bound states in Ga_{1-x}In_xNyAs_{1-y}/GaAs double quantum well**
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- XIV. **The effect of magnetic field on the impurity binding energy of shallow donor impurities in a Ga_{1-x}In_xNyAs_{1-y}/GaAs quantum well**
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- XV. **Study of direct and indirect exciton states in GaAs-Ga_{1-x}Al_xAs quantum dots under the effects of intense laser field and applied electric field**
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- XVI. **Effects of applied electromagnetic fields on the linear and nonlinear optical properties in an inverse parabolic quantum well**
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- XVII. **Electronic band structure of GaAs/Al_xGa_{1-x}As superlattice in an intense laser field**
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- XVIII. **Nonlinear optical rectification and the second and third harmonic generation in Poschl-Teller**

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- XIX. **Linear and nonlinear optical properties in a semiconductor quantum well under intense laser radiation: Effects of applied electromagnetic fields**
Mora-Ramos M. E. , Duque C. A. , Kasapoglu E., Sari H., Sokmen I.
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- XX. **OPTICAL INTERSUBBAND TRANSITIONS AND BINDING ENERGIES OF DONOR IMPURITIES IN Ga_{1-x}In_xNyAs_{1-y}/GaAs/Al_{0.3}Ga_{0.7}As QUANTUM WELL UNDER THE ELECTRIC FIELD**
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- XXI. **Effects of an intense, high-frequency laser field on the binding energy of excitons confined in a GaInNAs/GaAs quantum well**
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- XXII. **The effects of hydrostatic pressure and intense laser field on the linear and nonlinear optical properties of a square quantum well**
Ugan F., Yesilgul U., Kasapoglu E., Sari H., Sokmen I.
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- XXIII. **Combined effects of intense laser field and applied electric field on exciton states in GaAs quantum wells: Transition from the single to double quantum well**
Duque C. A. , Mora-Ramos M. E. , Kasapoglu E., Sari H., Sokmen I.
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- XXIV. **THE INTERSUBBAND TRANSITIONS AND BINDING ENERGY OF SHALLOW DONOR IMPURITIES IN DIFFERENT SHAPED QUANTUM WELLS UNDER THE MAGNETIC FIELD**
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- XXVII. **THE EFFECTS OF TEMPERATURE AND HYDROSTATIC PRESSURE ON THE DIAMAGNETIC SUSCEPTIBILITY OF A DONOR IN A QUANTUM WELL**
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- XXVIII. **Photoionization cross-section and binding energy of shallow donor impurities in Ga_{1-x}In_xNyAs_{1-y}/GaAs quantum wires**
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- XXIX. **Dependence of impurity binding energy on nitrogen and indium concentrations for shallow donors in a GaInNAs/GaAs quantum well under intense laser field**
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- XXX. **Effects of an Intense Laser Field and Hydrostatic Pressure on the Intersubband Transitions and Binding Energy of Shallow Donor Impurities in a Quantum Well**
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- XXXI. **Intense laser field effects on the linear and nonlinear intersubband optical properties of a semi-parabolic quantum well**
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- XXXII. **Intense laser field effect on impurity states in a semiconductor quantum well: transition from the single to double quantum well potential**
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- XXXV. **Hydrogenic impurities in quantum dots under intense high-frequency laser field**
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- XXXVI. **VARIATIONAL COMPUTATIONS FOR EXCITONS IN QUANTUM DOTS: A QUANTUM MONTE CARLO STUDY**
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- XXXVIII. **The effects of temperature and hydrostatic pressure on the photoionization cross-section and binding energy of shallow donor impurities in quantum dots**
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- L. **Fourier transform technique in variational treatment of two-electron parabolic quantum dot**
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