

Prof.Dr. FATİH UNGAN

Kişisel Bilgiler

İş Telefonu: [+90 346 219 1010](tel:+903462191010) Dahili: 1411

Fax Telefonu: [+90 346 219 1186](tel:+903462191186)

E-posta: fungan@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/fungan>

Eğitim Bilgileri

Doktora, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik , Türkiye 2006 - 2010

Yüksek Lisans, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik , Türkiye 2001 - 2004

Lisans, Karadeniz Teknik Üniversitesi, Hukuk Müşavirliği, Fizik, Türkiye 1996 - 2001

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Yoğun lazer alanı altında GaInNAs/GaAs kuantum kuyularındaki donör safsızlık atomlarının bağlanma enerjileri, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2010

Yüksek Lisans, Simetrik katkılı çift kuantum kuyusunun potansiyel profilleri ve altband yapısı, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2004

Araştırma Alanları

Fizik, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Elektronik yapı, arayüzeylerin, ince filmlerin ve düşük boyutlu yapıların elektrik özellikleri, Optik özellikler, Yoğun madde spektroskopisi, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2021 - Devam Ediyor

Prof.Dr., Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği, 2019 - 2021

Doç.Dr., Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği, 2015 - 2019

Doç.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2013 - 2015

Yrd.Doç.Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2012 - 2013

Araştırma Görevlisi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2001 - 2011

Akademik İdari Deneyim

Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Optik Mühendisliği Anabilim Dalı (Disiplinlerarası), 2019 - Devam Ediyor

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2019 - 2021
Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2019 - 2021
Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Optik Mühendisliği (Yl) (Tezli), 2015 - 2016
Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2015 - 2016

Verdiği Dersler

İleri Geometrik Optik, Yüksek Lisans, 2019 - 2020
Dinamik, Lisans, 2018 - 2019
Seminer Dersi, Yüksek Lisans, 2019 - 2020
Doğrusal Olmayan Optik, Yüksek Lisans, 2019 - 2020
Uzmanlık Alan Dersi, Yüksek Lisans, 2019 - 2020
Yarı İletken Optoelektronik Aygıtlar, Yüksek Lisans, 2019 - 2020
Dinamik, Lisans, 2018 - 2019
Dinamik, Lisans, 2017 - 2018
Yarıiletken Optoelektronik Aygıtlar, Yüksek Lisans, 2016 - 2017
İleri Geometrik Optik, Yüksek Lisans, 2016 - 2017
Yarıiletken Optoelektronik, Yüksek Lisans, 2014 - 2015
Dinamik, Lisans, 2014 - 2015
Dinamik, Lisans, 2014 - 2015
Seminer Dersi, Yüksek Lisans, 2014 - 2015
Dinamik, Lisans, 2014 - 2015
Uzmanlık Alan Dersi, Yüksek Lisans, 2014 - 2015
Dinamik, Lisans, 2014 - 2015
Katihal Fiziği, Lisans, 2014 - 2015
Genel Fizik II, Lisans, 2013 - 2014
Genel Fizik II, Lisans, 2013 - 2014
Katihal Fiziği, Lisans, 2014 - 2015
Katihal Fiziği - I, Lisans, 2014 - 2015
Genel Fizik I, Lisans, 2014 - 2015
Genel Fizik I, Lisans, 2014 - 2015
Genel Fizik II, Lisans, 2013 - 2014
Genel Fizik II, Lisans, 2013 - 2014
Fizik II, Lisans, 2013 - 2014
Temel Fizik, Ön Lisans, 2012 - 2013
Genel Fizik I, Lisans, 2012 - 2013
Fizik-II, Lisans, 2011 - 2012
Temel Bilgisayar Bilimleri, Lisans, 2011 - 2012
Temel Bilgisayar Bilimleri, Lisans, 2011 - 2012
Fizik-II, Lisans, 2011 - 2012
Genel Fizik I, Lisans, 2012 - 2013
Temel Fizik, Ön Lisans, 2011 - 2012

Yönetilen Tezler

Ungan F., TERS V-ŞEKİLLİ BİR KUANTUM KUYUSUNUN DOĞRUSAL VE DOĞRUSAL OLMAYAN OPTİK ÖZELLİKLERİ, Yüksek Lisans, A.Bilgin(Öğrenci), 2019
Ungan F., Çift görüş açılı mekanik objektif tasarımı, Yüksek Lisans, Ç.KOÇ(Öğrenci), 2019
Ungan F., Elektromanyetik Alan Altındaki Ters Parabolik Bir Kuantum Kuyusunun Optik Özellikleri, Yüksek Lisans,

A.TUNCER(Öğrenci), 2019

Ungan F., YARIM V-ŞEKİLLİ KUANTUM KUYUSUNUN OPTİKSEL ÖZELLİKLERİ, Yüksek Lisans, S.Alim(Öğrenci), 2019

Ungan F., GÖRÜNTÜ KALİTESİNİN ARTTIRILMASINDA OPTİK YÜZEYLERİN ETKİSİNİN İNCELENMESİ, Yüksek Lisans, L.Açıkgöz(Öğrenci), 2019

Ungan F., Asimetrik Çift Eğimli Kuantum Kuyusunun Optiksel Özellikleri, Yüksek Lisans, H.Seda(Öğrenci), 2018

UNGAN F., Safsızlık düzeyleri arasındaki kızılötesi geçişler üzerine elektrik alan etkisi, Yüksek Lisans, Y.EMRE(Öğrenci), 2015

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Optical properties of a GaAs quantum well with new type of hyperbolic confinement potential: Effect of structure parameters and intense laser field**
Durmuslar A. S. , ALPER BİLLUR C., Turkoglu A., UNGAN F.
OPTICS COMMUNICATIONS, cilt.499, 2021 (SCI İndekslerine Giren Dergi)
- II. **Magneto-optical properties of impurity associated photoionization cross-section in laser-driven delta-doped quantum wires**
Peter A. J. , Kasapoglu E., Ungan F.
PHYSICA B-CONDENSED MATTER, cilt.620, 2021 (SCI İndekslerine Giren Dergi)
- III. **Optical properties of a quantum well with Razavy confinement potential: Role of applied external fields**
Turkoglu A., Dakhlaoui H., Mora-Ramos M. E. , Ungan F.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.134, 2021 (SCI İndekslerine Giren Dergi)
- IV. **Intensity-dependent nonlinear optical properties in an asymmetric Gaussian potential quantum well-modulated by external fields**
SAYRAÇ M., Turkoglu A., Mora-Ramos M. E. , Ungan F.
OPTICAL AND QUANTUM ELECTRONICS, cilt.53, sa.9, 2021 (SCI İndekslerine Giren Dergi)
- V. **Numerical simulation of linear and nonlinear optical properties in heterostructure based on triple Gaussian quantum wells: effects of applied external fields and structural parameters**
Dakhlaoui H., Altuntas I., Mora-Ramos M. E. , Ungan F.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.136, sa.8, 2021 (SCI İndekslerine Giren Dergi)
- VI. **Photoluminescence characteristic of as-grown and thermally annealed n-and p-type modulation-doped Ga(0.68)In(0.32)N(x)AS(1-x)/GaAs quantum well structures**
Donmez O., Sarcan F., Erol A., UNGAN F., SARİ H.
THIN SOLID FILMS, cilt.732, 2021 (SCI İndekslerine Giren Dergi)
- VII. **Donor impurity atom effect on the inter-subband absorption coefficient for symmetric double n-type delta-doped GaAs quantum well**
Rodriguez-Magdaleno K. A. , Turkoglu A., Ungan F., Mora-Ramos M. E. , Martinez-Orozco J. C.
SUPERLATTICES AND MICROSTRUCTURES, cilt.156, 2021 (SCI İndekslerine Giren Dergi)
- VIII. **Non-resonant intense laser field effect on the nonlinear optical properties associated to the inter- and intra-band transitions in an anharmonic quantum well submitted to electric and magnetic field**
Turkoglu A., Aghoutane N., Feddi E., Mora-Ramos M. E. , Ungan F.
SOLID STATE COMMUNICATIONS, cilt.334, 2021 (SCI İndekslerine Giren Dergi)
- IX. **Effect of intense laser and electric fields on nonlinear optical properties of cylindrical quantum dot with Morse potential**
UNGAN F., BAHAR M. K. , Barseghyan M. G. , Perez L. M. , Laroze D.
OPTİK, cilt.236, 2021 (SCI İndekslerine Giren Dergi)
- X. **Influence of hydrostatic pressure, temperature, and terahertz laser field on the electron-related optical responses in an asymmetric double quantum well**
SAYRAÇ M., Turkoglu A., Ungan F.
EUROPEAN PHYSICAL JOURNAL B, cilt.94, sa.6, 2021 (SCI İndekslerine Giren Dergi)

- XI. **Nonlinear optical properties of a quantum well with inversely quadratic Hellman potential**
Turkoglu A., Dakhlaoui H., Durmuslar A. S. , Mora-Ramos M., UNGAN F.
European Physical Journal B, cilt.94, sa.5, 2021 (SCI Expanded İndekslerine Giren Dergi)
- XII. **The effect of impurity position and doping concentration on the binding energies and total optical absorption coefficients in a delta-doped quantum well**
Durmuslar A. S. , Turkoglu A., Mora-Ramos M. E. , UNGAN F.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.136, sa.4, 2021 (SCI İndekslerine Giren Dergi)
- XIII. **Theoretical investigation of linear and nonlinear optical properties in an heterostructure based on triple parabolic barriers: Effects of external fields**
Dakhlaoui H., Urgan F., Martinez-Orozco J. C. , Mora-Ramos M. E.
PHYSICA B-CONDENSED MATTER, cilt.607, 2021 (SCI İndekslerine Giren Dergi)
- XIV. **Optical properties of a triple AlGaAs/GaAs quantum well purported for quantum cascade laser active region**
BAHAR M. K. , Rodriguez-Magdaleno K. A. , Martinez-Orozco J. C. , Mora-Ramos M. E. , Urgan F.
MATERIALS TODAY COMMUNICATIONS, cilt.26, 2021 (SCI İndekslerine Giren Dergi)
- XV. **Influence of applied external fields on the nonlinear optical properties of a semi-infinite asymmetric Al_xGa_{1-x}As/GaAs quantum well**
Urgan F., BAHAR M. K. , Rodriguez-Magdaleno A., Mora-Ramos M. E. , Martinez-Orozco J. C.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.123, 2021 (SCI İndekslerine Giren Dergi)
- XVI. **Optical analysis of quantum dot with velocity-dependent potential**
BAHAR M. K. , Urgan F., Kaya H., AKKOYUN S.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.121, sa.5, 2021 (SCI İndekslerine Giren Dergi)
- XVII. **Control of electronic and optical properties of a laser dressed double quantum dot molecule by lateral electric field**
Barseghyan M. G. , Mughnetsyan V. N. , Baghramyan H. M. , Urgan F., Perez L. M. , Laroze D.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.126, 2021 (SCI İndekslerine Giren Dergi)
- XVIII. **Role of external fields on the nonlinear optical properties of a n-type asymmetric delta-doped double quantum well**
Salman Durmuslar A., Mora-Ramos M. E. , Urgan F.
OPTICAL AND QUANTUM ELECTRONICS, cilt.52, sa.11, 2020 (SCI İndekslerine Giren Dergi)
- XIX. **Optical responses in asymmetric hyperbolic-type quantum wells under the effect of external electromagnetic fields**
Urgan F., Bahar M. K. , Martinez-Orozco J., Mora-Ramos M.
Photonics and Nanostructures - Fundamentals and Applications, cilt.41, 2020 (SCI Expanded İndekslerine Giren Dergi)
- XX. **Electron-related nonlinear optical properties of cylindrical quantum dot with the Rosen-Morse axial potential**
Urgan F., Bahar M. K. , Pal S., Mora-Ramos M. E.
COMMUNICATIONS IN THEORETICAL PHYSICS, cilt.72, sa.7, 2020 (SCI İndekslerine Giren Dergi)
- XXI. **The laser field controlling on the nonlinear optical specifications of the electric field-triggered Rosen-Morse quantum well**
Urgan F., Bahar M. K.
PHYSICS LETTERS A, cilt.384, sa.19, 2020 (SCI İndekslerine Giren Dergi)
- XXII. **Nonlinear optical properties of n-type asymmetric double delta-doped quantum wells: role of high-frequency laser radiation, doping concentration and well width**
Durmuslar A. S. , Eduardo Mora-Ramos M., Urgan F.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.135, sa.6, 2020 (SCI İndekslerine Giren Dergi)
- XXIII. **Optical properties of n-type asymmetric triple delta-doped quantum well under external fields**
Urgan F., Bahar M. K. , Mora-Ramos M. E.
PHYSICA SCRIPTA, cilt.95, sa.5, 2020 (SCI İndekslerine Giren Dergi)
- XXIV. **Studies on the nonlinear optical properties of two-step GaAs/Ga_{1-x}Al_xAs quantum well**

Martinez-Orozco J. C. , Ugan F., Rodriguez-Magdaleno K. A.

PHYSICA SCRIPTA, cilt.95, sa.3, 2020 (SCI İndekslerine Giren Dergi)

- XXV. **Magneto-optical specifications of Rosen-Morse quantum dot with screw dislocation**
Bahar M. K. , Ugan F.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.120, sa.11, 2020 (SCI İndekslerine Giren Dergi)
- XXVI. **Intersubband optical properties of a laser-dressed asymmetric triple quantum well nanostructure**
UNGAN F., Mora-Ramos M. E. , Barseghyan M. G. , Perez L. M. , Laroze D.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.114, 2019 (SCI İndekslerine Giren Dergi)
- XXVII. **The optimal ranges for the optical properties of two-electron quantum dot immersed in plasmas**
Bahar M. K. , UGAN F., Soylu A.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.114, 2019 (SCI İndekslerine Giren Dergi)
- XXVIII. **Nonlinear optical properties of morse quantum well modulated by THz laser fields**
UNGAN F., Pal S., Bahar M. K. , Mora-Ramos M. E.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.113, ss.86-91, 2019 (SCI İndekslerine Giren Dergi)
- XXIX. **Tailoring the optical properties of quantum ring irradiated by THz laser**
Kilic D. G. , Sakiroglu S., UGAN F., Yesilgul U., KASAPOĞLU E., SARI H., Sokmen I.
PHILOSOPHICAL MAGAZINE, cilt.99, sa.24, ss.3116-3132, 2019 (SCI İndekslerine Giren Dergi)
- XXX. **A theoretical study on the optical properties of a quantum well with short-range bottomless exponential potential**
UNGAN F., Mora-Ramos M. E. , Sakiroglu S., SARI H., Sokmen I.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.33, sa.20, 2019 (SCI İndekslerine Giren Dergi)
- XXXI. **The functionality of the external electric and magnetic field on optical specifications of Rosen-Morse quantum well**
Ugan F., Bahar M. K.
PHYSICA SCRIPTA, cilt.94, sa.8, 2019 (SCI İndekslerine Giren Dergi)
- XXXII. **Effect of the High-Frequency Laser Radiation on the Nonlinear Optical Properties of n-Type Double delta-Doped GaAs Quantum Wells**
UNGAN F., SARI H., KASAPOĞLU E., YEŞİLGÜL Ü., ŞAKIROĞLU S., SÖKMEN İ.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, cilt.19, sa.7, ss.4167-4171, 2019 (SCI İndekslerine Giren Dergi)
- XXXIII. **Effect of applied external fields on the nonlinear optical properties of a Woods-Saxon potential quantum well**
Ugan F., Mora-Ramos M. E. , Yesilgul U., Sari H., Sokmen I.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.111, ss.167-171, 2019 (SCI İndekslerine Giren Dergi)
- XXXIV. **Hydrostatic Pressure and Temperature Effect on the Electron-Related Optical Responses in Symmetric and Asymmetric n-Type Double Delta-Doped GaAs Quantum Well Under Terahertz Laser Field**
Ugan F., Mora-Ramos M. E. , Sari H., Sokmen I.
JOURNAL OF ELECTRONIC MATERIALS, cilt.48, sa.6, ss.3537-3546, 2019 (SCI İndekslerine Giren Dergi)
- XXXV. **Computation of the nonlinear optical properties of n-type asymmetric triple delta-doped GaAs quantum well**
Ugan F., Pal S., Bahar M. K. , Mora-Ramos M. E.
SUPERLATTICES AND MICROSTRUCTURES, cilt.130, ss.76-86, 2019 (SCI İndekslerine Giren Dergi)
- XXXVI. **Intense laser-induced electronic and optical properties in double finite oscillator potential**
Sari H., Ugan F., Kasapoglu E., Sakiroglu S., Sokmen I.
PHILOSOPHICAL MAGAZINE, cilt.99, sa.19, ss.2444-2456, 2019 (SCI İndekslerine Giren Dergi)
- XXXVII. **Hydrogenic donor impurities in delta-doped cylindrical quantum dots under intense laser field**
Sari H., Ugan F., Sakiroglu S., Yesilgul U., Sokmen I.
LASER PHYSICS, cilt.29, sa.5, 2019 (SCI İndekslerine Giren Dergi)

- XXXVIII. **Optical specifications of laser-induced Rosen-Morse quantum well**
UNGAN F., Bahar M. K.
OPTICAL MATERIALS, cilt.90, ss.231-237, 2019 (SCI İndekslerine Giren Dergi)
- XXXIX. **Electron-related optical responses in triple delta-doped quantum wells**
Ungan F., Mora-Ramos M. E. , Kasapoglu E., Sari H., Sokmen I.
PHILOSOPHICAL MAGAZINE, cilt.99, sa.5, ss.644-658, 2019 (SCI İndekslerine Giren Dergi)
- XL. **Effect of applied electric field on the nonlinear optical properties of modulation-doped GaAs/Al_xGa_{1-x}As double quantum well**
Ungan F., Martinez-Orozco J. C. , Restrepo R. L. , Mora-Ramos M. E. , Duque C. A.
SUPERLATTICES AND MICROSTRUCTURES, cilt.126, ss.89-97, 2019 (SCI İndekslerine Giren Dergi)
- XLI. **Nonlinear optical properties of triple delta-doped quantum wells: The impact of the applied external fields**
Ungan F., Mora-Ramos M. E. , Kasapoglu E., Sari H., Sokmen I.
OPTIK, cilt.180, ss.387-393, 2019 (SCI İndekslerine Giren Dergi)
- XLII. **Nonlinear optical properties of a semi-exponential quantum wells: Effect of high-frequency intense laser field**
Yesilgul U., UNGAN F., Sakiroglu S., SARI H., KASAPOĞLU E., Sokmen I.
OPTIK, cilt.185, ss.311-316, 2019 (SCI İndekslerine Giren Dergi)
- XLIII. **The electron-related optical responses for the square tangent quantum well: Role of applied external fields**
UNGAN F., Pal S., Mora-Ramos M. E. , Martinez-Orozco J. C.
OPTIK, cilt.188, ss.12-18, 2019 (SCI İndekslerine Giren Dergi)
- XLIV. **The nonlinear optical properties of GaAs-based quantum wells with Kratzer Fues confining potential: Role of applied static fields and non-resonant laser radiation**
UNGAN F., Martinez-Orozco J. C. , Restrepo R. L. , Mora-Ramos M. E.
OPTIK, cilt.185, ss.881-887, 2019 (SCI İndekslerine Giren Dergi)
- XLV. **Study of electron-related optical responses in the Tietz-Hua quantum well: Role of applied external fields**
Ungan F., Sari H., Kasapoglu E., Yesilgul U., Sakiroglu S., Sokmen I.
PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS, cilt.32, ss.47-52, 2018 (SCI İndekslerine Giren Dergi)
- XLVI. **Electron-related optical responses in Gaussian potential quantum wells: Role of intense laser field**
Sari H., Ungan F., Sakiroglu S., Yesilgul U., Kasapoglu E., Sokmen I.
PHYSICA B-CONDENSED MATTER, cilt.545, ss.250-254, 2018 (SCI İndekslerine Giren Dergi)
- XLVII. **Impurity-related optical response in cylindrical quantum dots with a delta-doped axial potential under an intense laser field**
Sari H., Ungan F., Sakiroglu S., Yesilgul U., Sokmen I.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.120, ss.279-286, 2018 (SCI İndekslerine Giren Dergi)
- XLVIII. **Third-harmonic generation of a laser-driven quantum dot with impurity**
Sakiroglu S., Kilic D. G. , Yesilgul U., Ungan F., Kasapoglu E., Sari H., Solunen I.
PHYSICA B-CONDENSED MATTER, cilt.539, ss.101-105, 2018 (SCI İndekslerine Giren Dergi)
- XLIX. **Intermediate band formation in a delta-doped like QW superlattices of GaAs/Al_xGa_{1-x}As for solar cell design**
Del Rio-De Santiago A., Martinez-Orozco J. C. , Rodriguez-Magdalen K. A. , Contreras-Solorio D. A. , Rodriguez-Vargas I., Ungan F.
SUPERLATTICES AND MICROSTRUCTURES, cilt.115, ss.191-196, 2018 (SCI İndekslerine Giren Dergi)
- L. **The effects of intense laser field on optical responses of n-type delta doped GaAs quantum well under applied electric and magnetic fields**
Sari H., Ungan F., Sakiroglu S., Yesilgul U., Sokmen I.
OPTIK, cilt.162, ss.76-80, 2018 (SCI İndekslerine Giren Dergi)
- LI. **Nonlinear optical properties of asymmetric double-graded quantum wells**

- Aydinoglu H. S. , Sakiroglu S., Sari H., Ugan F., Sokmen I.
PHILOSOPHICAL MAGAZINE, cilt.98, sa.23, ss.2151-2163, 2018 (SCI İndekslerine Giren Dergi)
- LII. **Optical properties of the Tietz-Hua quantum well under the applied external fields**
Kasapoglu E., Sakiroglu S., Ugan F., Yesilgul U., Duque C. A. , Sokmen I.
PHYSICA B-CONDENSED MATTER, cilt.526, ss.127-131, 2017 (SCI İndekslerine Giren Dergi)
- LIII. **Effect of the magnetic field on the nonlinear optical rectification and second and third harmonic generation in double delta-doped GaAs quantum wells**
Martinez-Orozco J. C. , Rojas-Briseno J. G. , Rodriguez-Magdaleno K. A. , Rodriguez-Vargas I., Mora-Ramos M. E. , Restrepo R. L. , Ugan F., Kasapoglu E., Duque C. A.
PHYSICA B-CONDENSED MATTER, cilt.525, ss.30-35, 2017 (SCI İndekslerine Giren Dergi)
- LIV. **Intense laser field effects on the third-harmonic generation in a quantum pseudodot system**
Sakiroglu S., Kilic D. G. , Yesilgul U., Ugan F., Kasapoglu E., Sari H., Sokmen I.
PHYSICA B-CONDENSED MATTER, cilt.521, ss.215-220, 2017 (SCI İndekslerine Giren Dergi)
- LV. **Second and third harmonic generation associated to infrared transitions in a Morse quantum well under applied electric and magnetic fields**
Restrepo R. L. , Kasapoglu E., Sakiroglu S., Ugan F., Morales A. L. , Duque C. A.
INFRARED PHYSICS & TECHNOLOGY, cilt.85, ss.147-153, 2017 (SCI İndekslerine Giren Dergi)
- LVI. **Nonlinear optical properties of asymmetric n-type double delta-doped GaAs quantum well under intense laser field**
SARI H., KASAPOĞLU E., YEŞİLGÜL Ü., ŞAKIROĞLU S., UGAN F., SÖKMEN İ.
EUROPEAN PHYSICAL JOURNAL B, cilt.90, sa.9, 2017 (SCI İndekslerine Giren Dergi)
- LVII. **Combined effects of the intense laser field, electric and magnetic fields on the optical properties of n-type double delta-doped GaAs quantum well**
Sari H., Kasapoglu E., Sakiroglu S., Yesilgul U., Ugan F., Sokmen I.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.90, ss.214-217, 2017 (SCI İndekslerine Giren Dergi)
- LVIII. **Intense laser field effects on the intersubband optical absorption and refractive index change in the delta-doped GaAs quantum wells**
Sari H., Yesilgul U., Ugan F., Sakiroglu S., Kasapoglu E., Sokmen I.
CHEMICAL PHYSICS, cilt.487, ss.11-15, 2017 (SCI İndekslerine Giren Dergi)
- LIX. **The effects of the intense laser field on the optical properties of the asymmetric parabolic quantum well**
Kasapoglu E., UGAN F., YEŞİLGÜL Ü.
OPTICAL AND QUANTUM ELECTRONICS, cilt.49, sa.4, 2017 (SCI İndekslerine Giren Dergi)
- LX. **Optical response in a laser-driven quantum pseudodot system**
Kilic D. G. , Sakiroglu S., Ugan F., Yesilgul U., Kasapoglu E., Sari H., Sokmen I.
PHYSICA B-CONDENSED MATTER, cilt.509, ss.10-15, 2017 (SCI İndekslerine Giren Dergi)
- LXI. **Effects of electromagnetic fields on the nonlinear optical properties of CrossMaric asymmetric double quantum well under intense laser field**
Yesilgul U., Sari H., Ugan F., Martinez-Orozco J. C. , Restrepo R. L. , Mora-Ramos M. E. , Duque C. A. , Sokmen I.
CHEMICAL PHYSICS, cilt.485, ss.81-87, 2017 (SCI İndekslerine Giren Dergi)
- LXII. **Electron Raman scattering in a double quantum well tuned by an external nonresonant intense laser field**
Tiutiunnyk A., Mora-Ramos M. E. , Morales A. L. , Duque C. M. , Restrepo R. L. , Ugan F., Martinez-Orozco J. C. , Kasapoglu E., Duque C. A.
OPTICAL MATERIALS, cilt.64, ss.496-501, 2017 (SCI İndekslerine Giren Dergi)
- LXIII. **The effect of the intense laser field on the electronic states and optical properties of n-type double delta-doped GaAs quantum wells**
Kasapoglu E., Yesilgul U., Ugan F., Sokmen I., Sari H.
OPTICAL MATERIALS, cilt.64, ss.82-87, 2017 (SCI İndekslerine Giren Dergi)
- LXIV. **Effects of applied electric and magnetic fields on the nonlinear optical rectification and second-**

harmonic generation in a graded quantum well under intense laser field

UNGAN F.

EUROPEAN PHYSICAL JOURNAL B, cilt.90, sa.1, 2017 (SCI İndekslerine Giren Dergi)

- LXV. **Effects of magnetic field, hydrostatic pressure and temperature on the nonlinear optical properties in symmetric double semi-V-shaped quantum well**
Yesilgul U., Ugan F., Al E. B. , Kasapoglu E., Sari H., Sokmen I.
OPTICAL AND QUANTUM ELECTRONICS, cilt.48, sa.12, 2016 (SCI İndekslerine Giren Dergi)
- LXVI. **Infrared transitions between hydrogenic states in GaInNAs/GaAs quantum wells**
Al E. B. , Ugan F., Yesilgul U., Kasapoglu E., Sari H., Sokmen I.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.30, sa.22, 2016 (SCI İndekslerine Giren Dergi)
- LXVII. **Linear and nonlinear optical properties in an asymmetric double quantum well under intense laser field: Effects of applied electric and magnetic fields**
Yesilgul U., Al E. B. , Martinez-Orozco J. C. , Restrepo R. L. , Mora-Ramos M. E. , Duque C. A. , Ugan F., Kasapoglu E.
OPTICAL MATERIALS, cilt.58, ss.107-112, 2016 (SCI İndekslerine Giren Dergi)
- LXVIII. **Electronic structure and optical properties of triangular GaAs/AlGaAs quantum dots: Exciton and impurity states**
Tiutiunyyk A., Akimov V., Tulupenko V., Mora-Ramos M. E. , Kasapoglu E., Ugan F., Sokmen I., Morales A. L. , Duque C. A.
PHYSICA B-CONDENSED MATTER, cilt.484, ss.95-108, 2016 (SCI İndekslerine Giren Dergi)
- LXIX. **Intense laser field effects on a Woods-Saxon potential quantum well**
Restrepo R. L. , Morales A. L. , Akimov V., Tulupenko V., Kasapoglu E., Ugan F., Duque C. A.
SUPERLATTICES AND MICROSTRUCTURES, cilt.87, ss.143-148, 2015 (SCI İndekslerine Giren Dergi)
- LXX. **Linear and nonlinear optical properties in asymmetric double semi-V-shaped quantum well**
Yesilgul U., Ugan F., Kasapoglu E., Sari H., Sokmen I.
PHYSICA B-CONDENSED MATTER, cilt.475, ss.110-116, 2015 (SCI İndekslerine Giren Dergi)
- LXXI. **Effects of applied electric and magnetic fields on the nonlinear optical properties of asymmetric GaAs/Ga_{1-x}Al_xAs double inverse parabolic quantum well**
Al E. B. , Ugan F., Yesilgul U., Kasapoglu E., Sari H., Sokmen I.
OPTICAL MATERIALS, cilt.47, ss.1-6, 2015 (SCI İndekslerine Giren Dergi)
- LXXII. **Nonlinear optical rectification and second-harmonic generation in a semi-parabolic quantum well under intense laser field: Effects of electric and magnetic fields**
Ugan F., Martinez-Orozco J. C. , Restrepo R. L. , Mora-Ramos M. E. , Kasapoglu E., Duque C. A.
SUPERLATTICES AND MICROSTRUCTURES, cilt.81, ss.26-33, 2015 (SCI İndekslerine Giren Dergi)
- LXXIII. **Combined effects of intense laser field, electric and magnetic fields on the nonlinear optical properties of the step-like quantum well**
Kasapoglu E., Duque C. A. , Mora-Ramos M. E. , Restrepo R. L. , Ugan F., Yesilgul U., Sari H., Sokmen I.
MATERIALS CHEMISTRY AND PHYSICS, cilt.154, ss.170-175, 2015 (SCI İndekslerine Giren Dergi)
- LXXIV. **The effects of intense laser field and applied electric and magnetic fields on optical properties of an asymmetric quantum well**
Restrepo R. L. , Ugan F., Kasapoglu E., Mora-Ramos M. E. , Morales A. L. , Duque C. A.
PHYSICA B-CONDENSED MATTER, cilt.457, ss.165-171, 2015 (SCI İndekslerine Giren Dergi)
- LXXV. **Donor impurity states and related optical responses in triangular quantum dots under applied electric field**
Kasapoglu E., Ugan F., Sari H., Sokmen I., Mora-Ramos M. E. , Duque C. A.
SUPERLATTICES AND MICROSTRUCTURES, cilt.73, ss.171-184, 2014 (SCI İndekslerine Giren Dergi)
- LXXVI. **The effects of the electric and magnetic fields on the nonlinear optical properties in the step-like asymmetric quantum well**
Kasapoglu E., Ugan F., Duque C. A. , Yesilgul U., Mora-Ramos M. E. , Sari H., Sokmen I.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.61, ss.107-110, 2014 (SCI İndekslerine Giren Dergi)
- LXXVII. **Electron-related optical responses in triangular quantum dots**

Tiutiunnyk A., Tulupenko Y., Mora-Ramos M. E. , Kasapoglu E., Ugan F., Sari H., Sokmen I., Duque C. A.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.60, ss.127-132, 2014 (SCI İndekslerine Giren Dergi)

- LXXXVIII. **Linear and nonlinear optical properties in a double inverse parabolic quantum well under applied electric and magnetic fields**
Ugan F., Mora-Ramos M. E. , Duque C. A. , Kasapoglu E., Sari H., Sokmen I.
SUPERLATTICES AND MICROSTRUCTURES, cilt.66, ss.129-135, 2014 (SCI İndekslerine Giren Dergi)
- LXXXIX. **Intense Laser Field Effects on the Shallow-Donor Impurity States in Rectangular-Shaped Quantum Well Wires**
Duque C. A. , Mora-Ramos M. E. , Yesilgul U., Ugan F., Sakiroglu S., Kasapoglu E., Sari H., Sokmen I.
ACTA PHYSICA POLONICA A, cilt.125, sa.2, ss.198-201, 2014 (SCI İndekslerine Giren Dergi)
- LXXX. **Intersubband optical absorption coefficients and refractive index changes in a graded quantum well under intense laser field: Effects of hydrostatic pressure, temperature and electric field**
Ugan F., Restrepo R. L. , Mora-Ramos M. E. , Morales A. L. , Duque C. A.
PHYSICA B-CONDENSED MATTER, cilt.434, ss.26-31, 2014 (SCI İndekslerine Giren Dergi)
- LXXXI. **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., Ugan F., Sakiroglu S., Mora-Ramos M. E. , Duque C. A. , Kasapoglu E., Sari H., Sokmen I.
JOURNAL OF LUMINESCENCE, cilt.145, ss.379-386, 2014 (SCI İndekslerine Giren Dergi)
- LXXXII. **Simultaneous effects of hydrostatic pressure and temperature on the nonlinear optical properties in a parabolic quantum well under the intense laser field**
Ugan F., Yesilgul U., Sakiroglu S., Mora-Ramos M. E. , Duque C. A. , Kasapoglu E., Sari H., Sokmen I.
OPTICS COMMUNICATIONS, cilt.309, ss.158-162, 2013 (SCI İndekslerine Giren Dergi)
- LXXXIII. **Nonlinear optical absorption and refractive index in GaInNAs/GaAs double quantum wells under intense laser field and applied electric field**
Ugan F., Yesilgul U., Sakiroglu S., Kasapoglu E., Sari H., Sokmen I.
JOURNAL OF LUMINESCENCE, cilt.143, ss.75-80, 2013 (SCI İndekslerine Giren Dergi)
- LXXXIV. **Impurity-related linear and nonlinear optical response in quantum-well wires with triangular cross section**
Duque C. A. , Mora-Ramos M. E. , Kasapoglu E., Ugan F., Yesilgul U., Sakiroglu S., Sari H., Sokmen I.
JOURNAL OF LUMINESCENCE, cilt.143, ss.304-313, 2013 (SCI İndekslerine Giren Dergi)
- LXXXV. **Effects of applied electromagnetic fields on the optical transitions in a V-shaped quantum well**
Yesilgul U., Ugan F., Sakiroglu S., Kasapoglu E., Sari H., Sokmen I.
SUPERLATTICES AND MICROSTRUCTURES, cilt.58, ss.87-93, 2013 (SCI İndekslerine Giren Dergi)
- LXXXVI. **Effects of indium and nitrogen mole concentrations on the optical properties in a GaInNas/GaAs quantum well under the intense laser field**
Ugan F., Sakiroglu S., Yesilgul U., Erol A., Kasapoglu E., Sari H., Sokmen I.
JOURNAL OF LUMINESCENCE, cilt.134, ss.208-212, 2013 (SCI İndekslerine Giren Dergi)
- LXXXVII. **Effects of an intense, high-frequency laser field on bound states in Ga_{1-x}In_xNyAs_{1-y}/GaAs double quantum well**
UGAN F., YEŞİLGÜL Ü., ŞAKİROĞLU S., KASAPOĞLU E., Erol A., ARIKAN M. C. , SARI H., SÖKMEN İ.
NANOSCALE RESEARCH LETTERS, cilt.7, 2012 (SCI İndekslerine Giren Dergi)
- LXXXVIII. **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**
YEŞİLGÜL Ü., UGAN F., ŞAKİROĞLU S., Duque C., Mora-Ramos M., KASAPOĞLU E., SARI H., SÖKMEN İ.
NANOSCALE RESEARCH LETTERS, cilt.7, 2012 (SCI İndekslerine Giren Dergi)
- LXXXIX. **Effects of applied electromagnetic fields on the linear and nonlinear optical properties in an inverse parabolic quantum well**
Ugan F., Yesilgul U., Kasapoglu E., Sari H., Sokmen I.
JOURNAL OF LUMINESCENCE, cilt.132, sa.7, ss.1627-1631, 2012 (SCI İndekslerine Giren Dergi)

- XC. **Electronic band structure of GaAs/Al_xGa_{1-x}As superlattice in an intense laser field**
Sakiroglu S., Yesilgul U., Ungan F., Duque C. A. , Kasapoglu E., Sari H., Sokmen I.
JOURNAL OF LUMINESCENCE, cilt.132, sa.6, ss.1584-1588, 2012 (SCI İndekslerine Giren Dergi)
- XCI. **Nonlinear optical rectification and the second and third harmonic generation in Poschl-Teller quantum well under the intense laser field**
Sakiroglu S., Ungan F., Yesilgul U., Mora-Ramos M. E. , Duque C. A. , Kasapoglu E., Sari H., Sokmen I.
PHYSICS LETTERS A, cilt.376, sa.23, ss.1875-1880, 2012 (SCI İndekslerine Giren Dergi)
- XCII. **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**
Ungan F., Yesilgul U., Kasapoglu E., Sari H., Sokmen I.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.26, sa.6, 2012 (SCI İndekslerine Giren Dergi)
- XCIII. **Effects of an intense, high-frequency laser field on the binding energy of excitons confined in a GaInNAs/GaAs quantum well**
Yesilgul U., Ungan F., Kasapoglu E., Sari H., Sokmen I.
PHYSICA B-CONDENSED MATTER, cilt.407, sa.3, ss.528-532, 2012 (SCI İndekslerine Giren Dergi)
- XCIV. **The effects of hydrostatic pressure and intense laser field on the linear and nonlinear optical properties of a square quantum well**
Ungan F., Yesilgul U., Kasapoglu E., Sari H., Sokmen I.
OPTICS COMMUNICATIONS, cilt.285, sa.3, ss.373-377, 2012 (SCI İndekslerine Giren Dergi)
- XCIV. **THE INTERSUBBAND TRANSITIONS AND BINDING ENERGY OF SHALLOW DONOR IMPURITIES IN DIFFERENT SHAPED QUANTUM WELLS UNDER THE MAGNETIC FIELD**
Yesilgul U., Ungan F., Kasapoglu E., Sari H., Sokmen I.
MODERN PHYSICS LETTERS B, cilt.25, sa.32, ss.2451-2459, 2011 (SCI İndekslerine Giren Dergi)
- XCVI. **The effect of the intense laser field on the intersubband transitions in Ga_{1-x}In_xNyAs_{1-y}/GaAs single quantum well**
Ungan F., Kasapoglu E., Duque C. A. , Sari H., Sokmen I.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.44, sa.2, ss.515-520, 2011 (SCI İndekslerine Giren Dergi)
- XCVII. **Intensity-dependent nonlinear optical properties in a modulation-doped single quantum well**
Ungan F.
JOURNAL OF LUMINESCENCE, cilt.131, sa.11, ss.2237-2243, 2011 (SCI İndekslerine Giren Dergi)
- XCVIII. **THE EFFECTS OF TEMPERATURE AND HYDROSTATIC PRESSURE ON THE DIAMAGNETIC SUSCEPTIBILITY OF A DONOR IN A QUANTUM WELL**
Yesilgul U., Ungan F., Kasapoglu E., Sari H., Sokmen I.
SURFACE REVIEW AND LETTERS, cilt.18, sa.5, ss.147-152, 2011 (SCI İndekslerine Giren Dergi)
- XCIX. **The linear and nonlinear intersubband optical absorption coefficients and refractive index changes in a V-shaped quantum well under the applied electric and magnetic fields**
Yesilgul U., Ungan F., Kasapoglu E., Sari H., Sokmen I.
SUPERLATTICES AND MICROSTRUCTURES, cilt.50, sa.4, ss.400-410, 2011 (SCI İndekslerine Giren Dergi)
- C. **Intersubband optical absorption coefficients and refractive index changes in modulation-doped asymmetric double quantum well**
Ungan F., Kasapoglu E., Sokmen I.
SOLID STATE COMMUNICATIONS, cilt.151, sa.20, ss.1415-1419, 2011 (SCI İndekslerine Giren Dergi)
- CI. **Dependence of impurity binding energy on nitrogen and indium concentrations for shallow donors in a GaInNAs/GaAs quantum well under intense laser field**
Ungan F., Kasapoglu E., Sari H., Sokmen I.
EUROPEAN PHYSICAL JOURNAL B, cilt.82, ss.313-318, 2011 (SCI İndekslerine Giren Dergi)
- CII. **Effects of an Intense Laser Field and Hydrostatic Pressure on the Intersubband Transitions and Binding Energy of Shallow Donor Impurities in a Quantum Well**
Yesilgul U., Ungan F., Kasapoglu E., Sari H., Sokmen I.
CHINESE PHYSICS LETTERS, cilt.28, sa.7, 2011 (SCI İndekslerine Giren Dergi)

- CIII. **The effect of hydrostatic pressure on subband structure and optical transitions in modulation-doped quantum well**
Ungan F., Yesilgul U., Sakiroglu S., Kasapoglu E., Sari H., Sokmen I.
SUPERLATTICES AND MICROSTRUCTURES, cilt.49, sa.6, ss.635-643, 2011 (SCI İndekslerine Giren Dergi)
- CIV. **The effects of the intense laser field on bound states in $GaxIn_{1-x}NyAs_{1-y}/GaAs$ single quantum well**
Ungan F., Kasapoglu E., Duque C. A. , Yesilgul U., Sakiroglu S., Sokmen I.
EUROPEAN PHYSICAL JOURNAL B, cilt.80, sa.1, ss.89-93, 2011 (SCI İndekslerine Giren Dergi)
- CV. **Effects of an intense, high-frequency laser field on the intersubband transitions and impurity binding energy in semiconductor quantum wells**
Ungan F., Yesilgul U., Sakiroglu S., Kasapoglu E., Sari H., Sokmen I.
PHYSICS LETTERS A, cilt.374, sa.29, ss.2980-2984, 2010 (SCI İndekslerine Giren Dergi)
- CVI. **The hydrostatic pressure and temperature effects on donor impurities in cylindrical quantum wire under the magnetic field**
Kasapoglu E., Ungan F., Sari H., Sokmen I.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.42, sa.5, ss.1623-1626, 2010 (SCI İndekslerine Giren Dergi)
- CVII. **The diamagnetic susceptibilities of donors in quantum wells with anisotropic effective mass**
KASAPOĞLU E., UNGAN F., SARI H., SOEKMEN I.
SUPERLATTICES AND MICROSTRUCTURES, cilt.46, sa.6, ss.817-822, 2009 (SCI İndekslerine Giren Dergi)
- CVIII. **Inter-sub-band transitions and binding energies of donor impurities in a modulation-doped quantum well in the presence of electric field**
UNGAN F., KASAPOĞLU E., SARI H., SOEKMEN I.
SUPERLATTICES AND MICROSTRUCTURES, cilt.46, sa.6, ss.864-871, 2009 (SCI İndekslerine Giren Dergi)
- CIX. **Binding energies of donor impurities in modulation-doped $GaAs/Al_xGa_{1-x}As$ double quantum wells under an electric field**
Kasapoglu E., Ungan F., Sari H., Sokmen I.
SUPERLATTICES AND MICROSTRUCTURES, cilt.45, sa.6, ss.618-623, 2009 (SCI İndekslerine Giren Dergi)
- CX. **ELECTRONIC STRUCTURE AND BAND BENDING OF MODULATION-DOPED $GaAs/Al_xGa_{1-x}As$ SYMMETRIC AND ASYMMETRIC DOUBLE QUANTUM WELLS UNDER AN APPLIED ELECTRIC FIELD**
Ungan F., Kasapoglu E., Sari H., Sokmen I.
SURFACE REVIEW AND LETTERS, cilt.16, sa.1, ss.105-110, 2009 (SCI İndekslerine Giren Dergi)
- CXI. **The variation of electronic properties with the doping concentration of modulation-doped $Al_xGa_{1-x}As-GaAs$ double quantum wells**
Ungan F., Ozturk E., Ergun Y., Sokmen I.
SUPERLATTICES AND MICROSTRUCTURES, cilt.41, sa.1, ss.22-28, 2007 (SCI İndekslerine Giren Dergi)
- CVII. **Subband structure and band bending in symmetric modulation-doped double quantum wells**
Ungan F., Ozturk E., Ergun Y., Sokmen I.
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, cilt.29, sa.1, ss.27-31, 2005 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Nonlinear Optical Properties of a Quantum Well With Short-Range Bottomless Exponential Potential**
UNGAN F.
Cumhuriyet Science Journal, cilt.39, sa.4, ss.934-939, 2018 (Diğer Kurumların Hakemli Dergileri)
- II. **The Effect of Electric Field on the Nonlinear Optical Properties in Asymmetric Parabolic Quantum Well Under Intense Laser Field**
UNGAN F., YEŞİLGÜL Ü., SARI H.
Cumhuriyet Science Journal, cilt.37, sa.0, ss.86, 2016 (Diğer Kurumların Hakemli Dergileri)
- III. **Nonlinear optical rectification the second and third harmonic generation in asymmetric double quantum well under the intense laser field**

YEŞİLGÜL Ü., AL E. B. , UNGAN F., KASAPOĞLU E.

Cumhuriyet Science Journal, cilt.37, sa.4, 2016 (Diğer Kurumların Hakemli Dergileri)

IV. **SAFSIZLIK DÜZEYLERİ ARASINDAKİ KIZILÖTESİ GEÇİŞLER ÜZERİNE ELEKTRİK ALAN ETKİSİ**

AL E. B. , YILDIZ Y. E. , UNGAN F.

Cumhuriyet Science Journal, cilt.36, sa.7, ss.153-173, 2015 (Diğer Kurumların Hakemli Dergileri)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Effect of High-Frequency Intense Laser Field on the Binding Energy of Hydrogen-Like Donor Impurity in Semi-Exponential Quantum Well**
Türkoğlu A., UNGAN F.
II. INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, Türkiye, 20 Mayıs 2021
- II. **Studies on the nonlinear optical properties of two-step GaAs/GaAlAs quantum well**
Rodríguez-Magdaleno K., UNGAN F., Rodríguez-Magdaleno K., De Santiago A. D. R.
APS March Meeting 2019, 4 - 08 Mart 2019
- III. **Generacion de segundo y tercer armonico en pozos cuanticos con potencial de morse**
Restrepo Arango R. L. , KASAPOĞLU E., UNGAN F., Martínez Orozco J. C. , Morales A A. L. , Duque E C. A.
La Sociedad Colombiana de Fisica y el Comité Organizador del XXVI Congreso Nacional De Fisica, 3 - 06 Ekim 2017
- IV. **Optical properties of Tietz-Hua quantum well under the external fields**
KASAPOĞLU E., UNGAN F., YEŞİLGÜL Ü., ŞAKİROĞLU S., SÖKMEN İ.
4 th International Conference on Materials Science and Nanotechnology for Next Generation, 28 - 30 Haziran 2017
- V. **Effect of electric field on the nonlinear optical properties in asymmetric double Semi-V-Shaped quantum well**
YEŞİLGÜL Ü., UNGAN F., ŞAKİROĞLU S., SÖKMEN İ., SARİ H., KASAPOĞLU E.
4 th International Conference on Materials Science and Nanotechnology for Next Generation, 28 - 30 Haziran 2017
- VI. **Nonlinear optical rectification and second and third harmonic generation in n-type double delta doped GaAs quantum well under intense laser field**
UNGAN F., YEŞİLGÜL Ü., ŞAKİROĞLU S., KASAPOĞLU E., SÖKMEN İ., SARİ H.
4 th International Conference on Materials Science and Nanotechnology for Next Generation, 28 - 30 Haziran 2017
- VII. **Nonlinear optical properties of asymmetric double graded quantum well under intense laser field**
Aydınoglu H. S. , UNGAN F., YEŞİLGÜL Ü., KASAPOĞLU E., SARİ H., SÖKMEN İ.
4 th International Conference on Materials Science and Nanotechnology for Next Generation, 28 - 30 Haziran 2017
- VIII. **The effects of intense laser field and applied electric and magnetic fields on optical properties of n-type delta doped GaAs quantum well**
YEŞİLGÜL Ü., UNGAN F., ŞAKİROĞLU S., KASAPOĞLU E., SÖKMEN İ., SARİ H.
4 th International Conference on Materials Science and Nanotechnology for Next Generation, 28 - 30 Haziran 2017
- IX. **Nonlinear optical properties of double graded quantum well under intense laser field**
UNGAN F., YEŞİLGÜL Ü., KASAPOĞLU E., SARİ H., SÖKMEN İ.
3 rd International Conference on Engineering and Natural Sciences, 3 - 07 Mayıs 2017
- X. **Nonlinear optical properties of asymmetric n-type double delta doped GaAs quantum well**
UNGAN F., ŞAKİROĞLU S., martinez orozco J. C. , restrepo R. L. , Duque C. A.
3 rd International Conference on Engineering and Natural Sciences, 3 - 07 Mayıs 2017
- XI. **COMPUTATION OF THE NONLINEAR OPTICAL RECTIFICATION AND SECOND AND THIRD HARMONIC GENERATION IN DOUBLE DOPED GaAs QUANTUM WELLS**
Martnez Orozco J. C. , Rojas Briseo J. G. , Mora Ramos M. E. , Duque Echeverri C. A. , UNGAN F., Restrepo Arango R. L.
The Nanostructured Materials and Nanotechnology Symposium at the XXV International Materials Research Congress, Cancun, Meksika, 14 Ağustos - 19 Nisan 2016
- XII. **NONLINEAR OPTICAL RECTIFICATION THE SECOND AND THIRD HARMONIC GENERATION IN AN ASYMMETRIC DOUBLE QUANTUM WELL UNDER THE INTENSE LASER FIELD**

- AL E. B. , YEŞİLGÜL Ü., UNGAN F., KASAPOĞLU E.
16th International Balkan Workshop on Applied Physics and Materials Science, 7 - 09 Temmuz 2016
- XIII. **Nonlinear Optical Rectification The Second And Third Harmonic Generation İn Asymmetric Double Quantum Well Under The Intense Laser Field**
AL E. B. , YEŞİLGÜL Ü., UNGAN F., KASAPOĞLU E.
IBWAP 2016, Constanta, Romanya, 7 Eylül - 09 Temmuz 2016
- XIV. **Effect Of An Intense Laser Field On The Nonlinear Optical Rectification And Second Harmonic Generation In Asymmetric Double Quantum Well Under The Hydrostatic Pressure And Temperature**
UNGAN F., YEŞİLGÜL Ü., KASAPOĞLU E.
IBWAP 2016, Constanta, Romanya, 7 - 09 Temmuz 2016
- XV. **Nonlinear optical rectification the second and third harmonic generation in asymmetric double quantum well under the intense laser field**
AL E. B. , YEŞİLGÜL Ü., UNGAN F., KASAPOĞLU E.
The 16 th International Balkan Workshop on Applied Physics, Constanta, Romanya, 7 - 09 Temmuz 2016
- XVI. **Optical Properties Of Asymmetric Parabolic Quantum Well Under The Intense Laser Field**
KASAPOĞLU E., UNGAN F., YEŞİLGÜL Ü.
IBWAP 2016, Constanta, Romanya, 7 - 09 Temmuz 2016
- XVII. **Effects of an intense laser field on the nonlinear optical rectification and second harmonic generation in asymmetric double quantum well under the hydrostatic pressure and temperature**
UNGAN F., YEŞİLGÜL Ü., KASAPOĞLU E.
The 16 th International Balkan Workshop on Applied Physics, Costanta, Romanya, 7 - 09 Temmuz 2016
- XVIII. **The effect of electric field on the nonlinear optical properties in asymmetric parabolic quantum well under intense laser field**
YEŞİLGÜL Ü., UNGAN F., AL E. B. , KASAPOĞLU E.
The 16 th International Balkan Workshop on Applied Physics, Constanta, Romanya, 7 - 09 Temmuz 2016
- XIX. **Optical properties of asymmetric parabolic quantum well under the intense laser field**
KASAPOĞLU E., UNGAN F., YEŞİLGÜL Ü.
The 16 th International Balkan Workshop on Applied Physics, Constanta, Romanya, 7 - 09 Temmuz 2016
- XX. **Nonlinear optical rectification and second and third harmonic generation in double doped GaAs Quantum Wells Magnetic field effects**
Martinez Orozco J. C. , RojasBriseo J. G. , Mora Ramos M. E. , Duque C. A. , UNGAN F., Restrepo R. L.
The International Conference on Terahertz Emission, Metamaterials and Nanophotonics, Cartagena, Kolombiya, 3 - 10 Nisan 2016
- XXI. **Propiedades opticas no lineales en pozos cuanticos semiconductores Efectos de laser intenso**
Restrepo R., UNGAN F., Mora Ramos M., Morales A., Duque C.
8 vo Taller de Fisica de la Materia Condensada y Molecular, Meksika, 12 - 15 Ocak 2015
- XXII. **Efectos de laser intenso sobre pozos cuanticos asimetricos de GaAsAl GaAl**
Restrepo R., KASAPOĞLU E., UNGAN F., Mora Ramos M., Morales A., Duque C.
8 vo Taller de Fisica de la Materia Condensada y Molecular, Meksika, 12 - 15 Ocak 2015
- XXIII. **Efectos de laser intenso sobre pozos cuanticos asimetricos de GaAsAl GaAs**
Restrepo R., KASAPOĞLU E., UNGAN F., Mora Ramos M., Morales A., Duque C.
Octavo Taller de Fisica de la materia condensada y molecular, 12 - 14 Ocak 2015
- XXIV. **Investigation of the band structure of GaInNAs/GaAs single quantum well with 10-band k.p model**
UNGAN F., YEŞİLGÜL Ü., ŞAKIROĞLU S., KASAPOĞLU E., SÖKMEN İ.
E-MRS 2010 Spring Meeting, 7 Haziran - 11 Temmuz 2010
- XXV. **Finite element analysis of conduction band structure and intersubband transitions of square quantum well under electric field and stress**
GÜNEŞ M., YEŞİLGÜL Ü., UNGAN F., KASAPOĞLU E., SARI H., SÖKMEN İ.
Nano TR5 Nanoscience and Nanotechnology 2009, 8 - 12 Haziran 2009

Bilimsel Dergilerdeki Faaliyetler

Turkish Journal of Science and Health , Bilim Kurulu Üyeliđi, 2020 - Devam Ediyor

Bilimsel Kuruluşlardaki Üyelikler / Görevler

Türk Fizik Derneđi, Üye, 2019 - Devam Ediyor , Türkiye

Bilimsel Hakemlikler

OPTICAL AND QUANTUM ELECTRONICS, SCI Kapsamındaki Dergi, Ocak 2021

SUPERLATTICES AND MICROSTRUCTURES, SCI Kapsamındaki Dergi, Ocak 2021

Cumhuriyet Science Journal, Hakemli Bilimsel Dergi, Aralık 2020

GAZİ UNIVERSITY JOURNAL OF SCIENCE, Hakemli Bilimsel Dergi, Aralık 2020

OPTİK, SCI Kapsamındaki Dergi, Kasım 2020

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, SCI Kapsamındaki Dergi, Ağustos 2020

THIN SOLID FILMS, SCI Kapsamındaki Dergi, Temmuz 2020

PHYSICA B-CONDENSED MATTER, SCI Kapsamındaki Dergi, Nisan 2020

OPTICAL AND QUANTUM ELECTRONICS, SCI Kapsamındaki Dergi, Mart 2020

SUPERLATTICES AND MICROSTRUCTURES, SCI Kapsamındaki Dergi, Şubat 2020

OPTICAL AND QUANTUM ELECTRONICS, SCI Kapsamındaki Dergi, Aralık 2019

SUPERLATTICES AND MICROSTRUCTURES, SCI Kapsamındaki Dergi, Temmuz 2019

INTERNATIONAL JOURNAL OF MODERN PHYSICS B, SCI Kapsamındaki Dergi, Haziran 2019

Cumhuriyet Science Journal, Hakemli Bilimsel Dergi, Haziran 2019

heliyon, Diğer İndekslerce Taranan Dergi, Mayıs 2019

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, SCI Kapsamındaki Dergi, Mayıs 2019

Cumhuriyet Science Journal, Hakemli Bilimsel Dergi, Şubat 2019

CHINESE PHYSICS B, SCI Kapsamındaki Dergi, Şubat 2019

EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, SCI Kapsamındaki Dergi, Şubat 2019

Etkinlik Organizasyonlarındaki Görevler

Ungan F., International Conference on Engineering and Natural Sciences, Bilimsel Kongre / Sempozyum Organizasyonu, Sarajevo, Bosna-Hersek, Haziran 2021

Akademik Dolaşım Faaliyetleri

Yetkinlik ve Niteliklerin Artırılması, Proje Kapsamında Bilimsel Araştırma, Universidad de Antioquia, Kolombiya, 2013 - 2013

Atıflar

Toplam Atıf Sayısı (WOS):1206

h-indeksi (WOS):21