

Unal Yesilgul

List of Publications by Year in descending order

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55
papers

1,292
citations

331670

21
h-index

377865

34
g-index

57
all docs

57
docs citations

57
times ranked

238
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring the optical properties of quantum ring irradiated by THz laser. Philosophical Magazine, 2019, 99, 3116-3132.	1.6	1
2	Effect of the High-Frequency Laser Radiation on the Nonlinear Optical Properties of n-Type Double $\hat{\Gamma}$ -Doped GaAs Quantum Wells. Journal of Nanoscience and Nanotechnology, 2019, 19, 4167-4171.	0.9	2
3	Effect of applied external fields on the nonlinear optical properties of a Woods-Saxon potential quantum well. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 111, 167-171.	2.7	7
4	Nonlinear optical properties of a semi-exponential quantum wells: Effect of high-frequency intense laser field. Optik, 2019, 185, 311-316.	2.9	14
5	The effects of intense laser field on optical responses of n-type delta doped GaAs quantum well under applied electric and magnetic fields. Optik, 2018, 162, 76-80.	2.9	13
6	Third-harmonic generation of a laser-driven quantum dot with impurity. Physica B: Condensed Matter, 2018, 539, 101-105.	2.7	21
7	Impurity-related optical response in cylindrical quantum dots with a $\hat{\Gamma}$ -doped axial potential under an intense laser field. Journal of Physics and Chemistry of Solids, 2018, 120, 279-286.	4.0	15
8	Electron-related optical responses in Gaussian potential quantum wells: Role of intense laser field. Physica B: Condensed Matter, 2018, 545, 250-254.	2.7	9
9	Intense laser field effects on the intersubband optical absorption and refractive index change in the $\hat{\Gamma}$ -doped GaAs quantum wells. Chemical Physics, 2017, 487, 11-15.	1.9	9
10	Effects of electromagnetic fields on the nonlinear optical properties of asymmetric double quantum well under intense laser field. Chemical Physics, 2017, 485-486, 81-87.	1.9	27
11	The effect of the intense laser field on the electronic states and optical properties of n-type double $\hat{\Gamma}$ -doped GaAs quantum wells. Optical Materials, 2017, 64, 82-87.	3.6	22
12	Combined effects of the intense laser field, electric and magnetic fields on the optical properties of n-type double $\hat{\Gamma}$ -doped GaAs quantum well. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 90, 214-217.	2.7	24
13	The effects of the intense laser field on the optical properties of the asymmetric parabolic quantum well. Optical and Quantum Electronics, 2017, 49, 1.	3.3	10
14	Optical response in a laser-driven quantum pseudodot system. Physica B: Condensed Matter, 2017, 509, 10-15.	2.7	8
15	Optical properties of the Tietz-Hua quantum well under the applied external fields. Physica B: Condensed Matter, 2017, 526, 127-131.	2.7	9
16	Nonlinear optical properties of asymmetric n-type double $\hat{\Gamma}$ -doped GaAs quantum well under intense laser field. European Physical Journal B, 2017, 90, 1.	1.5	5
17	Intense laser field effects on the third-harmonic generation in a quantum pseudodot system. Physica B: Condensed Matter, 2017, 521, 215-220.	2.7	9
18	Effects of magnetic field, hydrostatic pressure and temperature on the nonlinear optical properties in symmetric double semi-V-shaped quantum well. Optical and Quantum Electronics, 2016, 48, 1.	3.3	26

#	ARTICLE	IF	CITATIONS
19	Linear and nonlinear optical properties in an asymmetric double quantum well under intense laser field: Effects of applied electric and magnetic fields. <i>Optical Materials</i> , 2016, 58, 107-112.	3.6	38
20	Infrared transitions between hydrogenic states in GaInNAs/GaAs quantum wells. <i>International Journal of Modern Physics B</i> , 2016, 30, 1650139.	2.0	3
21	Combined effects of intense laser field, electric and magnetic fields on the nonlinear optical properties of the step-like quantum well. <i>Materials Chemistry and Physics</i> , 2015, 154, 170-175.	4.0	43
22	Effects of applied electric and magnetic fields on the nonlinear optical properties of asymmetric <math altimg="si13.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevie. Optical Mat	3.6	64
23	Linear and nonlinear optical properties in asymmetric double semi-V-shaped quantum well. <i>Physica B: Condensed Matter</i> , 2015, 475, 110-116.	2.7	11
24	Donor impurity-related photoionization cross-section in parabolic quantum wires: Effects of intense laser field and applied electric field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 74, 34-38.	2.7	16
25	Intense Laser Field Effects on the Shallow-Donor Impurity States in Rectangular-Shaped Quantum Well Wires. <i>Acta Physica Polonica A</i> , 2014, 125, 198-201.	0.5	1
26	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. <i>Journal of Luminescence</i> , 2014, 145, 379-386.	3.1	59
27	The effects of the electric and magnetic fields on the nonlinear optical properties in the step-like asymmetric quantum well. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 61, 107-110.	2.7	50
28	Simultaneous effects of hydrostatic pressure and temperature on the nonlinear optical properties in a parabolic quantum well under the intense laser field. <i>Optics Communications</i> , 2013, 309, 158-162.	2.1	36
29	Effects of applied electromagnetic fields on the optical transitions in a V-shaped quantum well. <i>Superlattices and Microstructures</i> , 2013, 58, 87-93.	3.1	4
30	Nonlinear optical absorption and refractive index in GaInNAs/GaAs double quantum wells under intense laser field and applied electric field. <i>Journal of Luminescence</i> , 2013, 143, 75-80.	3.1	42
31	Effects of indium and nitrogen mole concentrations on the optical properties in a GaInNas/GaAs quantum well under the intense laser field. <i>Journal of Luminescence</i> , 2013, 134, 208-212.	3.1	13
32	Impurity-related linear and nonlinear optical response in quantum-well wires with triangular cross section. <i>Journal of Luminescence</i> , 2013, 143, 304-313.	3.1	70
33	OPTICAL INTERSUBBAND TRANSITIONS AND BINDING ENERGIES OF DONOR IMPURITIES IN Ga _{1-x} In _x N _y As _{1-y} Q QUANTUM WELL UNDER THE ELECTRIC FIELD. <i>International Journal of Modern Physics B</i> , 2012, 26, 1250013.	2.0	3
34	The effect of magnetic field on the impurity binding energy of shallow donor impurities in a Ga $\hat{1}^x$ In \hat{x} N \hat{y} As $\hat{1}^y$ /GaAs quantum well. <i>Nanoscale Research Letters</i> , 2012, 7, 586.	5.7	15
35	The effects of hydrostatic pressure and intense laser field on the linear and nonlinear optical properties of a square quantum well. <i>Optics Communications</i> , 2012, 285, 373-377.	2.1	40
36	Effects of an intense, high-frequency laser field on the binding energy of excitons confined in a GaInNAs/GaAs quantum well. <i>Physica B: Condensed Matter</i> , 2012, 407, 528-532.	2.7	9

#	ARTICLE	IF	CITATIONS
37	Nonlinear optical rectification and the second and third harmonic generation in PbTe quantum well under the intense laser field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 1875-1880.	2.1	111
38	Linear and nonlinear intersubband optical absorption coefficients and refractive index changes in symmetric double semi-V-shaped quantum wells. <i>Journal of Luminescence</i> , 2012, 132, 765-773.	3.1	52
39	Electronic band structure of $\text{GaAs}/\text{Al}_x\text{Ga}_{1-x}\text{As}$ superlattice in an intense laser field. <i>Journal of Luminescence</i> , 2012, 132, 1584-1588.	3.1	19
40	Effects of applied electromagnetic fields on the linear and nonlinear optical properties in an inverse parabolic quantum well. <i>Journal of Luminescence</i> , 2012, 132, 1627-1631.	3.1	44
41	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. <i>Superlattices and Microstructures</i> , 2011, 50, 400-410.	3.1	54
42	The effects of the intense laser field on bound states in $\text{Ga}_x\text{In}_{1-x}\text{N}_y\text{As}_{1-y}\text{N}/\text{GaAs}$ single quantum well. <i>European Physical Journal B</i> , 2011, 80, 89-93.	1.5	21
43	The effect of hydrostatic pressure on subband structure and optical transitions in modulation-doped quantum well. <i>Superlattices and Microstructures</i> , 2011, 49, 635-643.	3.1	15
44	Hydrogenic impurities in quantum dots under intense high-frequency laser field. <i>Physica B: Condensed Matter</i> , 2011, 406, 1441-1444.	2.7	29
45	Photoionization cross-section and binding energy of shallow donor impurities in $\text{Ga}_{1-x}\text{In}_x\text{N}_y\text{As}_{1-y}/\text{GaAs}$ quantum wires. <i>Solid State Communications</i> , 2011, 151, 1175-1178.	1.9	7
46	THE INTERSUBBAND TRANSITIONS AND BINDING ENERGY OF SHALLOW DONOR IMPURITIES IN DIFFERENT SHAPED QUANTUM WELLS UNDER THE MAGNETIC FIELD. <i>Modern Physics Letters B</i> , 2011, 25, 2451-2459.	1.9	7
47	THE EFFECTS OF TEMPERATURE AND HYDROSTATIC PRESSURE ON THE DIAMAGNETIC SUSCEPTIBILITY OF A DONOR IN A QUANTUM WELL. <i>Surface Review and Letters</i> , 2011, 18, 147-152.	1.1	4
48	The effects of temperature and hydrostatic pressure on the photoionization cross-section and binding energy of impurities in quantum-well wires. <i>Superlattices and Microstructures</i> , 2010, 48, 106-113.	3.1	22
49	Effects of an intense, high-frequency laser field on the intersubband transitions and impurity binding energy in semiconductor quantum wells. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2980-2984.	2.1	58
50	The effects of temperature and hydrostatic pressure on the photoionization cross-section and binding energy of shallow donor impurities in quantum dots. <i>Superlattices and Microstructures</i> , 2010, 48, 509-516.	3.1	10
51	The effect of intense laser field on the photoionization cross-section and binding energy of shallow donor impurities in graded quantum-well wire under an electric field. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 6263-6271.	1.8	38
52	THE ELECTRIC FIELD DEPENDENCE OF THE PHOTOIONIZATION CROSS-SECTION OF SHALLOW DONOR IMPURITIES IN QUANTUM DOTS: INFINITE AND FINITE MODEL. <i>Surface Review and Letters</i> , 2006, 13, 747-752.	1.1	4
53	The effect of hydrostatic pressure on the photoionization cross-section and binding energy of impurities in quantum-well wire under the electric field. <i>Physica B: Condensed Matter</i> , 2005, 368, 76-81.	2.7	33
54	Photoionization of donor impurities in quantum wires in a magnetic field. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 674-677.	2.8	9

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55	THE PHOTOIONIZATION CROSS-SECTION AND BINDING ENERGY OF IMPURITIES IN QUANTUM WIRES: EFFECTS OF THE ELECTRIC AND MAGNETIC FIELD. <i>Surface Review and Letters</i> , 2004, 11, 411-417.	1.1	6