

Miguel E Mora-Ramos

List of Publications by Year in descending order

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265
papers

3,979
citations

159585

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h-index

233421

45
g-index

267
all docs

267
docs citations

267
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear optical properties in Al _x Ga _{1-x} As/GaAs double-graded quantum wells: The effect of the structure parameter, static electric, and magnetic field. <i>Solid State Communications</i> , 2022, 342, 114647.	1.9	17
2	The non-resonant intense laser field effects on the binding energies and the nonlinear optical properties of a donor impurity in Rosenâ€Morse quantum well. <i>Indian Journal of Physics</i> , 2022, 96, 3485-3492.	1.8	7
3	Electronic, Optical, and Magnetic Properties of Doped Triangular MoS ₂ Quantum Dots: A Density Functional Theory Approach. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, .	1.5	5
4	Theoretical study of electronic and optical properties in doped quantum structures with Razavy confining potential: effects of external fields. <i>Journal of Computational Electronics</i> , 2022, 21, 378-395.	2.5	4
5	Study of Electronic and Transport Properties in Double-Barrier Resonant Tunneling Systems. <i>Nanomaterials</i> , 2022, 12, 1714.	4.1	3
6	Intense terahertz laser field induced electro-magneto-donor impurity associated photoionization cross-section in Gaussian quantum wires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 143, 115270.	2.7	2
7	Effects of external fields on the nonlinear optical properties of an n-type quadruple $\hat{\Gamma}$ -doped GaAs quantum wells. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	3
8	Impact of different structural defects on fundamental properties of blue phosphorene nanotubes. <i>Computational Condensed Matter</i> , 2022, 32, e00701.	2.1	10
9	Influence of applied external fields on the nonlinear optical properties of a semi-infinite asymmetric Al Ga _{1-α} As/GaAs quantum well. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105509.	4.0	17
10	LO-Phonons and dielectric polarization effects on the electronic properties of doped GaN/InN spherical core/shell quantum dots in a nonparabolic band model. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	5
11	Electronic structure of vertically coupled quantum dot-ring heterostructures under applied electromagnetic probes. A finite-element approach. <i>Scientific Reports</i> , 2021, 11, 4015.	3.3	10
12	Lattice strain influence on conduction band nonparabolicity in GaAs and InAs: Application to intraband optical absorption in InGaAs-GaAs asymmetric step quantum wells. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105490.	4.0	2
13	Optical properties of a triple AlGaAs/GaAs quantum well purported for quantum cascade laser active region. <i>Materials Today Communications</i> , 2021, 26, 101936.	1.9	7
14	Theoretical investigation of linear and nonlinear optical properties in an heterostructure based on triple parabolic barriers: Effects of external fields. <i>Physica B: Condensed Matter</i> , 2021, 607, 412782.	2.7	17
15	Simultaneous effects of temperature, pressure, polaronic mass, and conduction band non-parabolicity on a single dopant in conical GaAs-Al _x Ga _{1-x} As quantum dots. <i>Physica Scripta</i> , 2021, 96, 065808.	2.5	14
16	The effect of impurity position and doping concentration on the binding energies and total optical absorption coefficients in a δ -doped quantum well. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	1
17	Nonlinear optical properties of a quantum well with inversely quadratic Hellman potential. <i>European Physical Journal B</i> , 2021, 94, 1.	1.5	8
18	Adsorption of nitrogen-based gases on different layers of blue phosphorene oxides. <i>Journal of Materials Science</i> , 2021, 56, 15824-15843.	3.7	2

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19	Exciton states in conical quantum dots under applied electric and magnetic fields. Optics and Laser Technology, 2021, 139, 106953.	4.6	28
20	Phosphorene and phosphorene oxides as a toxic gas sensor materials: a theoretical study. Journal of Physics Condensed Matter, 2021, 33, 455501.	1.8	6
21	Intensity-dependent nonlinear optical properties in an asymmetric Gaussian potential quantum well-modulated by external fields. Optical and Quantum Electronics, 2021, 53, 1.	3.3	10
22	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. Solid State Communications, 2021, 334-335, 114390.	1.9	4
23	Donor impurity atom effect on the inter-subband absorption coefficient for symmetric double n-type δ -doped GaAs quantum well. Superlattices and Microstructures, 2021, 156, 106988.	3.1	4
24	Numerical simulation of linear and nonlinear optical properties in heterostructure based on triple Gaussian quantum wells: effects of applied external fields and structural parameters. European Physical Journal Plus, 2021, 136, 1.	2.6	14
25	Optical properties of a quantum well with Razavy confinement potential: Role of applied external fields. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114919.	2.7	16
26	Prediction of optoelectronic features and efficiency for CuMX ₂ (M=Ga, In; X=S, Se) semiconductors using mbj+U approximation. Current Applied Physics, 2021, 32, 11-23.	2.4	1
27	Electronic and optical properties of an electro-magnetic non-uniform narrow quantum ring under repulsive scattering centre. Philosophical Magazine, 2021, 101, 689-709.	1.6	2
28	Combined effects of electric, magnetic, and intense terahertz laser fields on the nonlinear optical properties in GaAs/GaAlAs quantum well with exponentially confinement potential. European Physical Journal Plus, 2021, 136, 1.	2.6	10
29	Optoelectronic properties of phosphorene quantum dots functionalized with free base porphyrins. Computational Materials Science, 2020, 171, 109278.	3.0	5
30	Nonlinear intersubband absorption coefficient in an Al _{1-x} Ga _x As/GaAs quantum cascade laser-like profile. Optik, 2020, 201, 163431.	2.9	8
31	Optoelectronic properties of blue phosphorene oxide with and without oxygen vacancies. International Journal of Quantum Chemistry, 2020, 120, e26075.	2.0	5
32	Effect of the hydrostatic pressure and shell's Al composition in the intraband absorption coefficient for core/shell spherical GaAs/Al _x Ga _{1-x} As quantum dots. Materials Science in Semiconductor Processing, 2020, 108, 104906.	4.0	15
33	Revisiting the adiabatic approximation for bound states calculation in axisymmetric and asymmetrical quantum structures. Superlattices and Microstructures, 2020, 138, 106384.	3.1	8
34	Effect of lattice deformation on electronic and optical properties of CuGaSe ₂ : Ab-initio calculations. Thin Solid Films, 2020, 696, 137783.	1.8	9
35	Tunable band structure in 2D Bravais Moiré photonic crystal lattices. Optics Communications, 2020, 459, 125081.	2.1	15
36	Influence of conduction-band non-parabolicity on terahertz intersubband Raman gain in GaAs/InGaAs step asymmetric quantum wells. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6

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37	The influence of shape and orientation of scatters on the photonic band gap in two-dimensional Bravais-Moiré lattices. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 42, 100845.	2.0	5
38	Small molecule gas adsorption onto blue phosphorene oxide layers. <i>Applied Surface Science</i> , 2020, 530, 147039.	6.1	6
39	Optical responses in asymmetric hyperbolic-type quantum wells under the effect of external electromagnetic fields. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 41, 100833.	2.0	9
40	Optical Absorption Coefficient on-center donor impurity in a spherical core/shell quantum dots. <i>MATEC Web of Conferences</i> , 2020, 330, 01041.	0.2	0
41	Role of external fields on the nonlinear optical properties of a n-type asymmetric δ -doped double quantum well. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	3
42	Nonlinear optical properties of n-type asymmetric double δ -doped quantum wells: role of high-frequency laser radiation, doping concentration and well width. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	8
43	Heavy and light exciton states in c-AlGaIn/GaN asymmetric double quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 124, 114248.	2.7	7
44	Excitons in spherical quantum dots revisited: analysis of colloidal nanocrystals. <i>European Physical Journal B</i> , 2020, 93, 1.	1.5	4
45	Electron-related nonlinear optical properties of cylindrical quantum dot with the Rosen-Morse axial potential. <i>Communications in Theoretical Physics</i> , 2020, 72, 075505.	2.5	11
46	Pyramidal core-shell quantum dot under applied electric and magnetic fields. <i>Scientific Reports</i> , 2020, 10, 8961.	3.3	29
47	Linear and nonlinear optical properties of a single dopant in GaN conical quantum dot with spherical cap. <i>Philosophical Magazine</i> , 2020, 100, 2503-2523.	1.6	13
48	Effects of single vacancy on electronic properties of blue-phosphorene nanotubes. <i>Materials Research Express</i> , 2020, 7, 015042.	1.6	29
49	Optical properties of n-type asymmetric triple δ -doped quantum well under external fields. <i>Physica Scripta</i> , 2020, 95, 055808.	2.5	7
50	Donor impurity energy and optical absorption in spherical sector quantum dots. <i>Heliyon</i> , 2020, 6, e03194.	3.2	15
51	Magneto-optical transport properties of monolayer transition metal dichalcogenides. <i>Physical Review B</i> , 2020, 101, .	3.2	69
52	A theoretical study on the optical properties of a quantum well with short-range bottomless exponential potential. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950225.	2.0	0
53	Intersubband optical properties of a laser-dressed asymmetric triple quantum well nanostructure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 114, 113647.	2.7	8
54	Electronic properties and optical response of triangular and hexagonal MoS ₂ quantum dots. A DFT approach. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 109, 201-208.	2.7	7

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55	The electron-related optical responses for the square tangent quantum well: Role of applied external fields. <i>Optik</i> , 2019, 188, 12-18.	2.9	4
56	Nonlinear optical properties of morse quantum well modulated by THz laser fields. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 113, 86-91.	2.7	17
57	Computation of the nonlinear optical properties of n-type asymmetric triple δ -doped GaAs quantum well. <i>Superlattices and Microstructures</i> , 2019, 130, 76-86.	3.1	8
58	Strain effects in the absorption coefficient and relative refractive index change in double asymmetric Al Ga $_{1-x}$ N/GaN quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 111, 134-140.	2.7	6
59	Effect of applied external fields on the nonlinear optical properties of a Woods-Saxon potential quantum well. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 111, 167-171.	2.7	7
60	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. <i>Journal of Electronic Materials</i> , 2019, 48, 3537-3546.	2.2	6
61	The nonlinear optical properties of GaAs-based quantum wells with Kratzer's confining potential: Role of applied static fields and non-resonant laser radiation. <i>Optik</i> , 2019, 185, 881-887.	2.9	14
62	Magnetic field effects on intraband transitions in elliptically polarized laser-dressed quantum rings. <i>Optical Materials</i> , 2019, 91, 309-320.	3.6	21
63	Opto-electronic properties of twisted bilayer graphene quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 112, 36-48.	2.7	27
64	Electronic states in GaAs-(Al,Ga)As eccentric quantum rings under nonresonant intense laser and magnetic fields. <i>Scientific Reports</i> , 2019, 9, 1427.	3.3	46
65	Effect of applied electric field on the nonlinear optical properties of modulation-doped GaAs/Al Ga $_1$ -As double quantum well. <i>Superlattices and Microstructures</i> , 2019, 126, 89-97.	3.1	22
66	Electron-related optical responses in triple δ -doped quantum wells. <i>Philosophical Magazine</i> , 2019, 99, 644-658.	1.6	7
67	Nonlinear optical properties of triple δ -doped quantum wells: The impact of the applied external fields. <i>Optik</i> , 2019, 180, 387-393.	2.9	11
68	Optical reflectivity and spatial mode localization of white-noise random dielectric oxide multilayers. <i>Optics Communications</i> , 2019, 432, 1-7.	2.1	4
69	Impact of electron-LO-phonon correction and donor impurity localization on the linear and nonlinear optical properties in spherical core/shell semiconductor quantum dots. <i>Journal of Alloys and Compounds</i> , 2018, 753, 68-78.	5.5	17
70	Theoretical study of phosphorene multilayers: optical properties and small organic molecule physisorption. <i>Journal of Materials Science</i> , 2018, 53, 5103-5113.	3.7	33
71	Optical Absorption and Electroabsorption Related to Electronic and Single Dopant Transitions in Holey Elliptical GaAs Quantum Dots. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700470.	1.5	13
72	Effects of Geometry on the Electronic Properties of Semiconductor Elliptical Quantum Rings. <i>Scientific Reports</i> , 2018, 8, 13299.	3.3	33

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73	Intersubband Raman gain in strained zincblende III-nitride-based step asymmetric quantum wells: non-parabolicity effects. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	3
74	Effect of conduction band non-parabolicity on bound polaron fundamental state in GaN/InN core shell quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 103, 188-193.	2.7	4
75	Energy structure and optical response of multi-hilled GaAs quantum ribbon under crossed electric and magnetic fields. <i>Optical Materials</i> , 2018, 83, 333-341.	3.6	8
76	Energy structure and electromagnetically induced transparency of neutral donor in a multi-hilled GaAs quantum ribbon. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 2927-2937.	2.1	1
77	Bulk-like-phonon polaritons in one-dimensional photonic superlattices. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2017, 24, 7-11.	2.0	1
78	Electron Raman scattering in a double quantum well tuned by an external nonresonant intense laser field. <i>Optical Materials</i> , 2017, 64, 496-501.	3.6	11
79	Light propagation in two-dimensional photonic crystals based on uniaxial polar materials: results on polaritonic spectrum. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	1
80	Effects of electromagnetic fields on the nonlinear optical properties of asymmetric double quantum well under intense laser field. <i>Chemical Physics</i> , 2017, 485-486, 81-87.	1.9	27
81	Effects of external electric field on the optical and electronic properties of blue phosphorene nanoribbons: A DFT study. <i>Computational Materials Science</i> , 2017, 135, 43-53.	3.0	26
82	Donor-impurity-related optical response and electron Raman scattering in GaAs cone-like quantum dots. <i>Physica B: Condensed Matter</i> , 2017, 507, 76-83.	2.7	16
83	Carrier states and optical response in core-shell-like semiconductor nanostructures. <i>Philosophical Magazine</i> , 2017, 97, 368-388.	1.6	8
84	Electron Raman Scattering and Raman Gain in Pyramidal Semiconductor Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1140-1148.	0.9	2
85	Donor impurity-related photoionization cross section in GaAs cone-like quantum dots under applied electric field. <i>Philosophical Magazine</i> , 2017, 97, 1445-1463.	1.6	27
86	Terahertz emission, metamaterials and nanophotonics. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1770223.	1.5	0
87	States of direct and indirect excitons in strained zinc-blende GaN/InGaN asymmetric quantum wells. <i>Superlattices and Microstructures</i> , 2017, 112, 574-583.	3.1	9
88	Linear and nonlinear magneto-optical properties of an off-center single dopant in a spherical core/shell quantum dot. <i>Physica B: Condensed Matter</i> , 2017, 524, 64-70.	2.7	35
89	Analysis of light propagation in quasiregular and hybrid Rudin-Shapiro one-dimensional photonic crystals with superconducting layers. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2017, 27, 1-10.	2.0	24
90	Effect of the magnetic field on the nonlinear optical rectification and second and third harmonic generation in double-doped GaAs quantum wells. <i>Physica B: Condensed Matter</i> , 2017, 525, 30-35.	2.7	22

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91	Polaronic effects on the off-center donor impurity in AlAs/GaAs/SiO ₂ spherical core/shell quantum dots. <i>Superlattices and Microstructures</i> , 2017, 111, 457-465.	3.1	8
92	Background impurities in Si _{0.8} Ge _{0.2} /Si/Si _{0.8} Ge _{0.2} n-type Γ -doped QW. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600464.	1.5	1
93	Donor Impurity-Related Optical Absorption in GaAs Elliptic-Shaped Quantum Dots. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-18.	2.7	3
94	Spatial localization of electromagnetic modes in noise-like random one-dimensional dielectric heterostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 507.	2.1	3
95	Donor Impurity States in Semiconductor Zincblende Nitride Quantum Systems as a Source of Nonlinear Optical Response. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1517-1524.	0.9	0
96	Effects of Hydrostatic Pressure and Electric Field on the Electron-Related Optical Properties in GaAs Multiple Quantum Well. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1247-1254.	0.9	1
97	Optical absorption and refractive index changes in a semiconductor quantum ring: Electric field and donor impurity effects. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 744-754.	1.5	24
98	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
99	Electron and donor-impurity-related Raman scattering and Raman gain in triangular quantum dots under an applied electric field. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	12
100	The effects of the electric and intense laser field on the binding energies of donor impurity states (1s). <i>Optical Materials</i> , 2016, 60, 318-323.	3.6	22
101	Ab initio study of hydrogen chemisorption in nitrogen-doped carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25663-25670.	2.8	2
102	Optical coefficients in a semiconductor quantum ring: Electric field and donor impurity effects. <i>Optical Materials</i> , 2016, 60, 148-158.	3.6	33
103	Laterally coupled circular quantum dots under applied electric field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 77, 34-43.	2.7	5
104	Nonlinear optical response in a zincblende GaN cylindrical quantum dot with donor impurity center. <i>Physica B: Condensed Matter</i> , 2016, 484, 73-82.	2.7	6
105	Electronic structure and optical properties of triangular GaAs/AlGaAs quantum dots: Exciton and impurity states. <i>Physica B: Condensed Matter</i> , 2016, 484, 95-108.	2.7	11
106	About possible THz modulator on the base of delta-doped QWs. <i>Superlattices and Microstructures</i> , 2015, 87, 5-11.	3.1	8
107	A non-extensive statistical model for time-dependent multiple breakage particle-size distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 438, 74-80.	2.6	7
108	Donor impurity states and related optical response in a lateral coupled dot-ring system under applied electric field. <i>Physica B: Condensed Matter</i> , 2015, 472, 25-33.	2.7	3

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109	Study of electron-related intersubband optical properties in three coupled quantum wells wires with triangular transversal section. Superlattices and Microstructures, 2015, 87, 131-136.	3.1	10
110	Intersubband linear and nonlinear optical response of the delta-doped SiGe quantum well. Superlattices and Microstructures, 2015, 87, 125-130.	3.1	12
111	Nonlinear optical rectification and second-harmonic generation in a semi-parabolic quantum well under intense laser field: Effects of electric and magnetic fields. Superlattices and Microstructures, 2015, 81, 26-33.	3.1	81
112	Combined effects of intense laser field, electric and magnetic fields on the nonlinear optical properties of the step-like quantum well. Materials Chemistry and Physics, 2015, 154, 170-175.	4.0	43
113	Shallow-impurity-related binding energy and linear optical absorption in ring-shaped quantum dots and quantum well wires under applied electric field. Physica Status Solidi (B): Basic Research, 2015, 252, 786-794.	1.5	17
114	Exciton-related optical properties in zinc-blende GaN/InGaN quantum wells under hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2015, 252, 670-677.	1.5	15
115	The effects of the intense laser field on the nonlinear optical properties of a cylindrical Ga _{1-x} Al _x As/GaAs quantum dot under applied electric field. Physica B: Condensed Matter, 2015, 474, 15-20.	2.7	25
116	On intersubband absorption of radiation in delta-doped QWs. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 400-406.	2.7	10
117	The formation of indirect excitons in atomic layer doped systems. Superlattices and Microstructures, 2015, 87, 32-37.	3.1	4
118	Donor-impurity-related second and third harmonic generation and optical absorption in GaAs-(Ga,Al)As 3D coupled quantum dot-rings under applied electric field. Superlattices and Microstructures, 2015, 87, 25-31.	3.1	12
119	The phonon-polariton spectrum of one-dimensional Rudin-Shapiro photonic superlattices with uniaxial polar materials. Superlattices and Microstructures, 2015, 87, 115-119.	3.1	0
120	Optical properties of a multibarrier structure under intense laser fields. Superlattices and Microstructures, 2015, 87, 109-114.	3.1	5
121	Electron-related Raman scattering in dilute nitride GaAs/InGa _{1-x} NAs _{1-x} cylindrically shaped quantum dots. Superlattices and Microstructures, 2015, 87, 83-88.	3.1	3
122	A meshless scheme for the calculation of electron and hole states in laterally coupled GaAs-Ga _{1-x} Al _x As quantum dots under applied electric field. Superlattices and Microstructures, 2015, 87, 77-82.	3.1	6
123	The polaritonic spectrum of two-dimensional photonic crystals based on uniaxial polar materials. Superlattices and Microstructures, 2015, 87, 58-63.	3.1	2
124	Influence of applied electric fields on the electron-related second and third-order nonlinear optical responses in two dimensional elliptic quantum dots. Superlattices and Microstructures, 2015, 83, 157-167.	3.1	11
125	Electron-related optical properties in T-shaped Al _x Ga _{1-x} As/GaAs quantum wires and dots. European Physical Journal B, 2015, 88, 1.	1.5	4
126	High-pressure effects on the intersubband optical absorption coefficient and relative refractive index change in an asymmetric double-doped GaAs quantum well. Physica Status Solidi (B): Basic Research, 2015, 252, 683-688.	1.5	9

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127	On some new effects in delta-doped QWs. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 66, 162-169.	2.7	10
128	The effects of intense laser field and applied electric and magnetic fields on optical properties of an asymmetric quantum well. <i>Physica B: Condensed Matter</i> , 2015, 457, 165-171.	2.7	14
129	Double-Donor Energy Structure in Concentric Quantum Rings under Magnetic Field and Hydrostatic Pressure. <i>Acta Physica Polonica A</i> , 2014, 125, 220-223.	0.5	4
130	D ₂ ⁺ Molecular Complex in Ring-Like Nanostructures: Hydrostatic Pressure and Electromagnetic Field Effects. <i>Acta Physica Polonica A</i> , 2014, 125, 241-244.	0.5	2
131	Impurity-Related Nonlinear Optical Absorption in Delta-Doped Quantum Rings. <i>Acta Physica Polonica A</i> , 2014, 125, 245-247.	0.5	2
132	Nonlinear Optical Rectification and Second Harmonic Generation in 2D Quantum Rings under Electric Field and Magnetic Fields. <i>Acta Physica Polonica A</i> , 2014, 125, 195-197.	0.5	1
133	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
134	Optical Responses in Asymmetric Inverse Parabolic Quantum Wells: Effects of Laser Fields and Hydrostatic Pressure. <i>Acta Physica Polonica A</i> , 2014, 125, 202-204.	0.5	1
135	Donor impurity states and related terahertz range nonlinear optical response in GaN cylindrical quantum wires: Effects of external electric and magnetic fields. <i>Journal of Applied Physics</i> , 2014, 115, 213105.	2.5	13
136	Donor impurity-related linear and nonlinear optical absorption coefficients in GaAs concentric double quantum rings. <i>Journal of Luminescence</i> , 2014, 145, 676-683.	3.1	69
137	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
138	Essential properties of a molecular complex confined in ring-like nanostructures under external probes: Magnetic field and hydrostatic pressure. <i>Superlattices and Microstructures</i> , 2014, 67, 207-220.	3.1	19
139	Electron-related optical responses in triangular quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 60, 127-132.	2.7	55
140	Impurity-related nonlinear optical properties in delta-doped quantum rings: Electric field effects. <i>Physica B: Condensed Matter</i> , 2014, 453, 140-145.	2.7	31
141	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. <i>Physica B: Condensed Matter</i> , 2014, 434, 26-31.	2.7	49
142	Nonlinear optical properties in an asymmetric double δ -doped quantum well with a Schottky barrier: Electric field effects. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 415-422.	1.5	15
143	Linear and nonlinear optical properties in a double inverse parabolic quantum well under applied electric and magnetic fields. <i>Superlattices and Microstructures</i> , 2014, 66, 129-135.	3.1	27
144	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

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145	Electron-related linear and nonlinear optical responses in vertically coupled triangular quantum dots. <i>Physica B: Condensed Matter</i> , 2014, 452, 82-91.	2.7	19
146	Asymmetric GaAs n-type double Γ -doped quantum wells as a source of intersubband-related nonlinear optical response: Effects of an applied electric field. <i>Journal of Luminescence</i> , 2014, 147, 77-84.	3.1	32
147	Warping and interactions of vortices in exciton-polariton condensates. <i>Physical Review B</i> , 2014, 89, .	3.2	18
148	States of an on-axis two-hydrogenic-impurity complex in concentric double quantum rings. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 2297-2302.	2.1	4
149	Donor impurity states and related optical responses in triangular quantum dots under applied electric field. <i>Superlattices and Microstructures</i> , 2014, 73, 171-184.	3.1	55
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