

# Carlos Duque

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8799840/publications.pdf>

Version: 2024-02-01

176  
papers

3,378  
citations

159525

30  
h-index

206029

48  
g-index

178  
all docs

178  
docs citations

178  
times ranked

849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, electronic, and transport properties of Janus GaInX <sub>2</sub> (X = S, Se, Te) monolayers: first-principles study. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 045501.	0.7	5
2	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.	1.3	4
3	Effect of position-dependent effective mass on donor impurity- and exciton-related electronic and optical properties of 2D Gaussian quantum dots. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	3
4	First Study on the Electronic and Donor Atom Properties of the Ultra-Thin Nanoflakes Quantum Dots. <i>Nanomaterials</i> , 2022, 12, 966.	1.9	6
5	Electronic and optical properties of a $D_{2h}^+$ complex in two-dimensional quantum dots with Gaussian confinement potential. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	14
6	Electronic Transport Properties in GaAs/AlGaAs and InSe/InP Finite Superlattices under the Effect of a Non-Resonant Intense Laser Field and Considering Geometric Modifications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5169.	1.8	1
7	Effects of Intense Laser Field on Electronic and Optical Properties of Harmonic and Variable Degree Anharmonic Oscillators. <i>Nanomaterials</i> , 2022, 12, 1620.	1.9	3
8	Study of Electronic and Transport Properties in Double-Barrier Resonant Tunneling Systems. <i>Nanomaterials</i> , 2022, 12, 1714.	1.9	3
9	Shallow-donor impurity effects on the far infrared electron–electron optical absorption coefficient in single and core/shell spherical quantum dots with Konwent-like confinement potential. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	2
10	The impact of hydrostatic pressure and temperature on the binding energy, linear, third-order nonlinear, and total optical absorption coefficients and refractive index changes of a hydrogenic donor impurity confined in GaAs/AlxGa1-xAs double quantum dots. <i>European Physical Journal Plus</i> , 2022, 137, .	1.2	11
11	Background impurities in a delta-doped QW. Part II: Edge doping. <i>Semiconductor Science and Technology</i> , 2021, 36, 045011.	1.0	0
12	Simultaneous effects of temperature, pressure, polaronic mass, and conduction band non-parabolicity on a single dopant in conical GaAs-Al <sub>x</sub> Ga <sub>1-x</sub> As quantum dots. <i>Physica Scripta</i> , 2021, 96, 065808.	1.2	14
13	Self-Consistent Schrödinger-Poisson Study of Electronic Properties of GaAs Quantum Well Wires with Various Cross-Sectional Shapes. <i>Nanomaterials</i> , 2021, 11, 1219.	1.9	8
14	Electronic, optical, and thermoelectric properties of Janus In-based monochalcogenides. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 225503.	0.7	24
15	Effect of magnetic field on donor impurity-related photoionisation cross-section in multilayered quantum dot. <i>Philosophical Magazine</i> , 2021, 101, 2614-2633.	0.7	13
16	Stark shift and exciton binding energy in parabolic quantum dots: hydrostatic pressure, temperature, and electric field effects. <i>Philosophical Magazine</i> , 2021, 101, 753-775.	0.7	26
17	Shallow Donor Impurity States with Excitonic Contribution in GaAs/AlGaAs and CdTe/CdSe Truncated Conical Quantum Dots under Applied Magnetic Field. <i>Nanomaterials</i> , 2021, 11, 2832.	1.9	9
18	Influence of conduction-band non-parabolicity on terahertz intersubband Raman gain in GaAs/InGaAs step asymmetric quantum wells. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Impurity-related optical response in a 2D and 3D quantum dot with Gaussian confinement under intense laser field. Philosophical Magazine, 2020, 100, 619-641.	0.7	14
20	Magnetoconductivity in quasiperiodic graphene superlattices. Scientific Reports, 2020, 10, 21284.	1.6	1
21	Hydrogenic Impurity States in a Delta-Layer Within Quantum Wells in a Transversal Electric Field. , 2020, , .		2
22	Excitons in spherical quantum dots revisited: analysis of colloidal nanocrystals. European Physical Journal B, 2020, 93, 1.	0.6	4
23	Pyramidal core-shell quantum dot under applied electric and magnetic fields. Scientific Reports, 2020, 10, 8961.	1.6	29
24	Linear and nonlinear optical properties of a single dopant in GaN conical quantum dot with spherical cap. Philosophical Magazine, 2020, 100, 2503-2523.	0.7	13
25	Magneto-optical properties of Fibonacci graphene superlattices. European Physical Journal B, 2020, 93, 1.	0.6	2
26	Donor impurity related optical and electronic properties of cylindrical GaAs-AlxGa1-x As quantum dots under tilted electric and magnetic fields. Scientific Reports, 2020, 10, 9155.	1.6	42
27	Donor impurity energy and optical absorption in spherical sector quantum dots. Heliyon, 2020, 6, e03194.	1.4	15
28	Magneto-optical transport properties of monolayer transition metal dichalcogenides. Physical Review B, 2020, 101, .	1.1	69
29	Effect of Sparse Doping in Barriers on the Energy Structure of Center-Delta-Doped QW. , 2019, , .		0
30	Optical characterization of laser-driven double Morse quantum wells. Heliyon, 2019, 5, e02022.	1.4	14
31	Background impurities and a delta-doped QW. Part I: Center doping. Semiconductor Science and Technology, 2019, 34, 125009.	1.0	2
32	Impurity related optical properties in tuned quantum dot/ring systems. Philosophical Magazine, 2019, 99, 2457-2486.	0.7	33
33	Size or shape " What matters most at the nanoscale?. Computational Materials Science, 2019, 165, 13-22.	1.4	8
34	Effect of Intense Laser Field in Gaussian Quantum Well With Position-Dependent Effective Mass. Physica Status Solidi (B): Basic Research, 2019, 256, 1800758.	0.7	10
35	Electronic and optical properties of layered van der Waals heterostructure based on MS <sub>2</sub> (M = Mo, W) monolayers. Materials Research Express, 2019, 6, 065060.	0.8	13
36	Magnetic field effects on intraband transitions in elliptically polarized laser-dressed quantum rings. Optical Materials, 2019, 91, 309-320.	1.7	21

#	ARTICLE	IF	CITATIONS
37	Electronic states in GaAs-(Al,Ga)As eccentric quantum rings under nonresonant intense laser and magnetic fields. Scientific Reports, 2019, 9, 1427.	1.6	46
38	Mid-Infrared linear optical transitions in $\delta$ -doped AlGaAs/GaAs triple-quantum well. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	9
39	Binding energy and optical absorption of donor impurity states in $\lambda$ -tuned GaAs/GaAlAs double quantum well under the external fields. Physica B: Condensed Matter, 2019, 554, 72-78.	1.3	9
40	Refractive index changes and optical absorption involving $1s \rightarrow 1p$ excitonic transitions in quantum dot under pressure and temperature effects. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	16
41	A bandmixing treatment for multiband-coupled systems via nonlinear-eigenvalue scenario. Physica Scripta, 2019, 94, 035205.	1.2	1
42	Linear and nonlinear magneto-optical properties of monolayer MoS <sub>2</sub> . Journal of Applied Physics, 2018, 123, .	1.1	29
43	Optical Absorption in Periodic Graphene Superlattices: Perpendicular Applied Magnetic Field and Temperature Effects. Annalen Der Physik, 2018, 530, 1700414.	0.9	8
44	Theoretical study of phosphorene multilayers: optical properties and small organic molecule physisorption. Journal of Materials Science, 2018, 53, 5103-5113.	1.7	33
45	Magneto-Optical Absorption in Graphene Superlattices: Dirac Point Effects. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700347.	1.2	0
46	Optical Absorption and Electroabsorption Related to Electronic and Single Dopant Transitions in Holey Elliptical GaAs Quantum Dots. Physica Status Solidi (B): Basic Research, 2018, 255, 1700470.	0.7	13
47	Oscillator strength and quantum-confined Stark effect of excitons in a thin PbS quantum disk. International Journal of Modern Physics B, 2018, 32, 1750266.	1.0	5
48	Quasiperiodic graphene superlattices: Self-similarity of the Landau level spectra. Solid State Communications, 2018, 284-286, 93-95.	0.9	3
49	Fundamental exciton transitions in SiO <sub>2</sub> /Si/SiO <sub>2</sub> cylindrical core/shell quantum dot. Journal of Applied Physics, 2018, 124, 144303.	1.1	9
50	Layered graphene/GaS van der Waals heterostructure: Controlling the electronic properties and Schottky barrier by vertical strain. Applied Physics Letters, 2018, 113, .	1.5	171
51	Interplay between normal and abnormal stark shift according to the quantum dot spherical core/shell size ratio. Philosophical Magazine Letters, 2018, 98, 252-265.	0.5	8
52	Effects of Geometry on the Electronic Properties of Semiconductor Elliptical Quantum Rings. Scientific Reports, 2018, 8, 13299.	1.6	33
53	Intersubband Raman gain in strained zincblende III-nitride-based step asymmetric quantum wells: non-parabolicity effects. Optical and Quantum Electronics, 2018, 50, 1.	1.5	3
54	Current-Fluctuations through Molecular Wires Composed of Thiophene Rings. Molecules, 2018, 23, 881.	1.7	5

#	ARTICLE	IF	CITATIONS
55	Electronic state and photoionization cross section of a single dopant in GaN/InGaN core/shell quantum dot under magnetic field and hydrostatic pressure. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	15
56	Linear and nonlinear magneto-optical properties of monolayer phosphorene. Journal of Applied Physics, 2017, 121, .	1.1	47
57	Light propagation in two-dimensional photonic crystals based on uniaxial polar materials: results on polaritonic spectrum. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	1
58	Exploring graphene superlattices: Magneto-optical properties. Journal of Applied Physics, 2017, 121, .	1.1	7
59	Photoionization cross section and binding energy of single dopant in hollow cylindrical core/shell quantum dot. Journal of Applied Physics, 2017, 121, .	1.1	30
60	Linear and nonlinear magneto-optical absorption coefficients and refractive index changes in graphene. Optical Materials, 2017, 69, 328-332.	1.7	26
61	Carrier states and optical response in core-shell-like semiconductor nanostructures. Philosophical Magazine, 2017, 97, 368-388.	0.7	8
62	Electron Raman Scattering and Raman Gain in Pyramidal Semiconductor Quantum Dots. Journal of Nanoscience and Nanotechnology, 2017, 17, 1140-1148.	0.9	2
63	Donor impurity-related photoionization cross section in GaAs cone-like quantum dots under applied electric field. Philosophical Magazine, 2017, 97, 1445-1463.	0.7	27
64	Intense laser field-induced nonlinear optical properties of Morse quantum well. Physica Status Solidi (B): Basic Research, 2017, 254, 1600457.	0.7	26
65	On the electronic states in lens-shaped quantum dots. Physica Status Solidi (B): Basic Research, 2017, 254, 1700144.	0.7	7
66	Background impurities in Si <sub>0.8</sub> Ge <sub>0.2</sub> /Si/Si <sub>0.8</sub> Ge <sub>0.2</sub> n-type $\delta$ -doped QW. Physica Status Solidi (B): Basic Research, 2017, 254, 1600464.	0.7	1
67	Graphene superlattices: Effect of finite size on the density of states and conductance. Physica Status Solidi (B): Basic Research, 2017, 254, 1600313.	0.7	0
68	Donor Impurity-Related Optical Absorption in GaAs Elliptic-Shaped Quantum Dots. Journal of Nanomaterials, 2017, 2017, 1-18.	1.5	3
69	Donor Impurity States in Semiconductor Zincblende Nitride Quantum Systems as a Source of Nonlinear Optical Response. Journal of Nanoscience and Nanotechnology, 2017, 17, 1517-1524.	0.9	0
70	Effects of Hydrostatic Pressure and Electric Field on the Electron-Related Optical Properties in GaAs Multiple Quantum Well. Journal of Nanoscience and Nanotechnology, 2017, 17, 1247-1254.	0.9	1
71	Optical Transitions in Strained Wurtzite GaN Ultrathin Quantum Disk Under Hydrostatic Pressure Effects. Current Nanoscience, 2017, 13, .	0.7	2
72	Optical Transition Energies in a Group III-V Nano-dot. Springer Proceedings in Physics, 2017, , 335-339.	0.1	0

#	ARTICLE	IF	CITATIONS
73	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.	0.7	24
74	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.	0.6	12
75	Optical coefficients in a semiconductor quantum ring: Electric field and donor impurity effects. <i>Optical Materials</i> , 2016, 60, 148-158.	1.7	33
76	Papers submitted to the 16th International Conference on the Physics of Light-Matter Coupling in Nanostructures, PLMCN 2015 (Medell�n, Colombia). <i>Superlattices and Microstructures</i> , 2015, 87, 1-4.	1.4	0
77	Shallow-impurity-related binding energy and linear optical absorption in ring-shaped quantum dots and quantum-well wires under applied electric field. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 786-794.	0.7	17
78	Exciton-related optical properties in zinc-blende GaN/InGaN quantum wells under hydrostatic pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 670-677.	0.7	15
79	The formation of indirect excitons in atomic layer doped systems. <i>Superlattices and Microstructures</i> , 2015, 87, 32-37.	1.4	4
80	Electron-related optical properties in T-shaped Al <sub>x</sub> Ga <sub>1-x</sub> As/GaAs quantum wires and dots. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	4
81	High-pressure effects on the intersubband optical absorption coefficient and relative refractive index change in an asymmetric double-doped GaAs quantum well. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 683-688.	0.7	9
82	Refraction index modulation induced with transverse electric field in double tunnel-coupled GaAs/AlGaAs quantum wells. <i>Journal of Physics: Conference Series</i> , 2015, 643, 012076.	0.3	0
83	Impurity binding energy for $\delta$ -doped quantum well structures. <i>Bulletin of Materials Science</i> , 2014, 37, 1347-1351.	0.8	1
84	Electromagnetic energy transport in finite photonic structures. <i>Optics Express</i> , 2014, 22, 12760.	1.7	0
85	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.	1.1	13
86	Nonlinear optical properties in an asymmetric double $\delta$ -doped quantum well with a Schottky barrier: Electric field effects. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 415-422.	0.7	15
87	Electron-related nonlinearities in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As double quantum wells under the effects of intense laser field and applied electric field. <i>Journal of Luminescence</i> , 2013, 135, 301-311.	1.5	31
88	Properties of the second and third harmonics generation in a quantum disc with inverse square potential. A modeling for nonlinear optical responses of a quantum ring. <i>Journal of Luminescence</i> , 2013, 138, 53-60.	1.5	42
89	Exciton-related nonlinear optical absorption and refractive index change in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As double quantum wells. <i>Physica B: Condensed Matter</i> , 2013, 409, 78-82.	1.3	18
90	Nonlinear absorption coefficient and relative refraction index change for an asymmetrical double-doped quantum well in GaAs with a Schottky barrier potential. <i>Physica B: Condensed Matter</i> , 2013, 424, 13-19.	1.3	10

#	ARTICLE	IF	CITATIONS
91	Optical nonlinearities associated to applied electric fields in parabolic two-dimensional quantum rings. <i>Journal of Luminescence</i> , 2013, 143, 81-88.	1.5	49
92	Nonlinear absorption coefficient and relative refraction index change for an asymmetrical double delta-doped quantum well in GaAs with a Schottky barrier potential.. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1479, 125-131.	0.1	0
93	Effects of hydrostatic pressure, temperature, electric field and aluminum concentration on the electronic states in GaAs/Ga <sub>1-x</sub> Al <sub>x</sub> As concentric double quantum rings. <i>Journal of Physics: Conference Series</i> , 2012, 350, 012016.	0.3	3
94	Binding energy of a donor impurity in GaAs doped systems under electric and magnetic fields, and hydrostatic pressure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1335-1341.	1.3	11
95	Electric field effects on excitons in cylindrical quantum dots with asymmetric axial potential. Influence on the nonlinear optical properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1936-1944.	1.3	15
96	Study of direct and indirect exciton states in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum dots under the effects of intense laser field and applied electric field. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	9
97	Exciton-related energies of the 1s-like states of excitons in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As double quantum wells. <i>Journal of Luminescence</i> , 2012, 132, 2525-2530.	1.5	11
98	Exciton properties in zincblende InGaN-GaN quantum wells under the effects of intense laser fields. <i>Nanoscale Research Letters</i> , 2012, 7, 492.	3.1	13
99	Exciton-related nonlinear optical properties in cylindrical quantum dots with asymmetric axial potential: combined effects of hydrostatic pressure, intense laser field, and applied electric field. <i>Nanoscale Research Letters</i> , 2012, 7, 508.	3.1	19
100	Donor impurity-related linear and nonlinear intraband optical absorption coefficients in quantum ring: effects of applied electric field and hydrostatic pressure. <i>Nanoscale Research Letters</i> , 2012, 7, 538.	3.1	31
101	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. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 118-127.	0.7	33
102	The nonlinear optical absorption and corrections to the refractive index in a GaAs delta-doped field effect transistor under hydrostatic pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 146-152.	0.7	23
103	Nonlinear optical absorption and optical rectification in near-surface double quantum wells: combined effects of electric, magnetic fields and hydrostatic pressure. <i>Optical and Quantum Electronics</i> , 2012, 44, 355-372.	1.5	7
104	The two-dimensional square and triangular photonic lattice under the effects of magnetic field, hydrostatic pressure, and temperature. <i>Optical and Quantum Electronics</i> , 2012, 44, 375-392.	1.5	16
105	Excitons in cylindrical GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum dots under applied electric field. <i>Physica B: Condensed Matter</i> , 2012, 407, 2351-2357.	1.3	11
106	Linear and nonlinear optical properties in a semiconductor quantum well under intense laser radiation: Effects of applied electromagnetic fields. <i>Journal of Luminescence</i> , 2012, 132, 901-913.	1.5	94
107	The effects of the intense laser field on bound states in Ga <sub>x</sub> In <sub>1-x</sub> N <sub>y</sub> As <sub>1-y</sub> N/GaAs single quantum well. <i>European Physical Journal B</i> , 2011, 80, 89-93.	0.6	21
108	Intense laser field effects on the linear and nonlinear intersubband optical properties of a semi-parabolic quantum well. <i>European Physical Journal B</i> , 2011, 82, 13-17.	0.6	29

#	ARTICLE	IF	CITATIONS
109	Intense laser field effect on impurity states in a semiconductor quantum well: transition from the single to double quantum well potential. <i>European Physical Journal B</i> , 2011, 81, 441-449.	0.6	26
110	Hydrostatic pressure, impurity position and electric and magnetic field effects on the binding energy and photo-ionization cross section of a hydrogenic donor impurity in an InAs Pöschl-Teller quantum ring. <i>European Physical Journal B</i> , 2011, 84, 265-271.	0.6	46
111	Simultaneous effects of electron-hole correlation, hydrostatic pressure, and temperature on the third harmonic generation in parabolic GaAs quantum dots. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6103-6112.	0.8	46
112	Hydrostatic pressure and electric field effects and nonlinear optical rectification of confined excitons in spherical quantum dots. <i>Superlattices and Microstructures</i> , 2011, 49, 264-268.	1.4	53
113	Excitons in a cylindrical GaAs Pöschl-Teller quantum dot. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 1412-1419.	0.7	12
114	Intense laser effects on nonlinear optical absorption and optical rectification in single quantum wells under applied electric and magnetic field. <i>Applied Surface Science</i> , 2011, 257, 2313-2319.	3.1	91
115	Nonlinear optical rectification and optical absorption in GaAs/Ga <sub>1-x</sub> Al <sub>x</sub> As asymmetric double quantum wells: Combined effects of applied electric and magnetic fields and hydrostatic pressure. <i>Journal of Luminescence</i> , 2011, 131, 1502-1509.	1.5	119
116	Effects of hydrostatic pressure and electric field on the nonlinear optical rectification of strongly confined electron-hole pairs in GaAs quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1002-1006.	1.3	34
117	Nonlinear optical rectification and optical absorption in GaAs/Ga <sub>1-x</sub> Al <sub>x</sub> As double quantum wells under applied electric and magnetic fields. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1405-1410.	1.3	51
118	Donor impurity states in coupled quantum well wires under hydrostatic pressure and applied electric field. <i>Superlattices and Microstructures</i> , 2011, 49, 275-278.	1.4	7
119	Combined effects of electric field and hydrostatic pressure on electron states in asymmetric GaAs/(Ga, Al) triple quantum dots. <i>Superlattices and Microstructures</i> , 2011, 49, 269-274.	1.4	6
120	Influence of electric field, hydrostatic pressure and temperature on the electronic states in a Pöschl-Teller quantum well. <i>Journal of Contemporary Physics</i> , 2010, 45, 258-261.	0.1	1
121	Donor impurity in vertically-coupled quantum-dots under hydrostatic pressure and applied electric field. <i>European Physical Journal B</i> , 2010, 73, 309-319.	0.6	46
122	Electronic states in double quantum well-wires with potential W-profile: combined effects of hydrostatic pressure and electric field. <i>Journal of Materials Science</i> , 2010, 45, 5045-5053.	1.7	3
123	Combined effects of hydrostatic pressure and electric field on the donor binding energy and polarizability in laterally coupled double InAs/GaAs quantum-well wires. <i>Applied Surface Science</i> , 2010, 256, 7234-7241.	3.1	19
124	Intense laser effects on donor impurity in a cylindrical single and vertically coupled quantum dots under combined effects of hydrostatic pressure and applied electric field. <i>Applied Surface Science</i> , 2010, 256, 7406-7413.	3.1	50
125	Shallow-donor impurity in coupled GaAs/Ga <sub>1-x</sub> Al <sub>x</sub> As quantum well wires: hydrostatic pressure and applied electric field effects. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 1778-1785.	0.7	5
126	Binding energy and photoionization cross section of hydrogen-like donor impurity in cylindrical InAs Pöschl-Teller quantum layer in magnetic field. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1



#	ARTICLE	IF	CITATIONS
127	Effects of hydrostatic pressure on the conductionâ€electron $g_{\parallel}$ factor in GaAsâ€“(Ga, Al)As quantum wells. Physica Status Solidi (B): Basic Research, 2009, 246, 648-651.	0.7	2
128	Hydrostatic pressure, electric and magnetic field effects on shallow donor impurity states and photoionization cross section in cylindrical GaAsâ€“(Ga, Al)As quantum dots. Physica Status Solidi (B): Basic Research, 2009, 246, 626-629.	0.7	44
129	Study of the electronic properties of GaAsâ€“based atomic layer doped field effect transistor (ALDâ€“FET) under the influence of hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2009, 246, 581-585.	0.7	21
130	Excitons in coupled quantum dots: hydrostatic pressure and electric field effects. Physica Status Solidi (B): Basic Research, 2009, 246, 630-634.	0.7	30
131	Donor-impurity related binding energy and photoionization cross-section in quantum dots: electric and magnetic fields and hydrostatic pressure effects. European Physical Journal B, 2009, 72, 521-529.	0.6	68
132	A theoretical study of exciton energy levels in laterally coupled quantum dots. Journal of Physics Condensed Matter, 2009, 21, 405801.	0.7	12
133	Photonic band structure evolution of a honeycomb lattice in the presence of an external magnetic field. Journal of Applied Physics, 2009, 105, 034303.	1.1	18
134	Optical transition in self-assembled InAs/GaAs quantum lens under high hydrostatic pressure. Journal of Applied Physics, 2009, 105, .	1.1	17
135	Hydrostatic-pressure-induced $\hat{\Gamma}$ -X mixing in delta-doped Al <sub>x</sub> Ga <sub>1-x</sub> As. Journal of Physics: Conference Series, 2009, 167, 012030.	0.3	2
136	$\hat{\Gamma}$ -X mixing in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum wells under hydrostatic pressure. European Physical Journal B, 2008, 62, 257-261.	0.6	28
137	A 2D honeycomb photonic crystal under applied magnetic fields. Proceedings of SPIE, 2008, , .	0.8	0
138	Effects of hydrostatic pressure on the electron $g_{\parallel}$ factor and $g_{\perp}$ -factor anisotropy in GaAsâ€“(Ga, Al)As quantum wells under magnetic fields. Journal of Physics Condensed Matter, 2008, 20, 465220. <a href="http://www.w3.org/1998/Math/MathML" style="color: yellow;">http://www.w3.org/1998/Math/MathML</a> $\frac{\partial}{\partial t} \left( \frac{\partial \psi}{\partial x} \right) = \frac{\partial}{\partial x} \left( \frac{\partial \psi}{\partial t} \right)$	0.7	5
139	Effects of hydrostatic pressure and growth-direction magnetic field effects on the exciton states in coupled GaAsâ€“(Ga, Al)As quantum wells. Journal of Physics Condensed Matter, 2007, 19, 256202.	1.1	13
140	Exciton diamagnetic shifts in GaAsâ€“(Ga <sub>1-x</sub> Al <sub>x</sub> )As quantum dots and ultrathin quantum wells. Journal of Physics Condensed Matter, 2007, 19, 216224.	0.7	3
141	Hydrostatic pressure and growth-direction magnetic field effects on the exciton states in coupled GaAsâ€“(Ga, Al)As quantum wells. Journal of Physics Condensed Matter, 2007, 19, 256202.	0.7	3
142	Calculation of direct and indirect excitons in GaAsâ€“(Ga <sub>1-x</sub> Al <sub>x</sub> )As coupled double quantum wells: The effects of in-plane magnetic fields and growth-direction electric fields. Physical Review B, 2007, 76, .	1.1	21
143	Effects of crossed electric and magnetic fields on the electronic and excitonic states in bulk GaAs and GaAsâ€“(Ga <sub>1-x</sub> Al <sub>x</sub> )As quantum wells. Physical Review B, 2007, 75, .	1.1	10
144	Hole subband structure in single and double p-type $\hat{\Gamma}$ -doped diamond quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 415-417.	0.8	1

#	ARTICLE	IF	CITATIONS
145	Donor impurity-related optical absorption spectra in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum wells: hydrostatic pressure and $\Gamma$ -X conduction band mixing effects. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 418-420.	0.8	4
146	Acceptor and donor impurity-related optical absorption spectra in double quantum wells: electric field and hydrostatic pressure effects. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 295-297.	0.8	0
147	Comparative study of the hydrostatic pressure and temperature effects on the impurity-related optical properties in single and double GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 298-300.	0.8	42
148	Excited states and spontaneous transition lifetimes of donor impurities in quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 360-362.	0.8	3
149	Positron annihilation in structural vacancies in Al-rich NiAl alloys. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 3534-3537.	0.8	0
150	Hydrostatic pressure effects on the $\Gamma$ -X conduction band mixing and the binding energy of a donor impurity in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1964-1970.	0.7	29
151	Effect of applied hydrostatic pressure on the e-h ground transition in self-assembled InAs/GaAs quantum lens. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 48-52.	0.7	3
152	Impurity-related optical properties in rectangular-transverse section GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum well wires: Hydrostatic pressure and electric field effects. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 70-75.	0.7	4
153	Energy spectra of exciton states in disk-shaped GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum dots under growth-direction magnetic fields. <i>European Physical Journal B</i> , 2007, 56, 303-309.	0.6	20
154	Donor-related optical absorption spectra for a GaAs-Ga <sub>0.7</sub> Al <sub>0.3</sub> As double quantum well under hydrostatic pressure and applied electric field effects. <i>Brazilian Journal of Physics</i> , 2006, 36, 862-865.	0.7	23
155	Infinite potential barrier and hydrostatic pressure effects on impurity-related optical absorption spectra in GaAs double quantum wells. <i>Brazilian Journal of Physics</i> , 2006, 36, 350-353.	0.7	14
156	Binding energy and photoionization cross-section in GaAs quantum well-wires and quantum dots: magnetic field and hydrostatic pressure effects. <i>Brazilian Journal of Physics</i> , 2006, 36, 387-390.	0.7	24
157	Hydrostatic pressure and electric-field effects on the shallow donor impurity states in GaAs-Ga <sub>0.7</sub> Al <sub>0.3</sub> As quantum-well wires. <i>Brazilian Journal of Physics</i> , 2006, 36, 944-947.	0.7	5
158	Hydrostatic-pressure effects on the correlated electron-hole transition energies in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As semiconductor quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 635-640.	0.7	17
159	Effects of applied magnetic fields and hydrostatic pressure on the optical transitions in self-assembled InAs/GaAs quantum dots. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1877-1884.	0.7	84
160	Electronic states in n-type GaAs delta-doped quantum wells under hydrostatic pressure. <i>Brazilian Journal of Physics</i> , 2006, 36, 866-868.	0.7	15
161	Correlated electron-hole transitions in bulk GaAs and GaAs-(Ga,Al)As quantum wells: effects of applied electric and in-plane magnetic fields. <i>Brazilian Journal of Physics</i> , 2006, 36, 1038-1041.	0.7	3
162	Exciton mixing and internal transitions of neutral magnetoexcitons in quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 2434-2439.	0.7	0

#	ARTICLE	IF	CITATIONS
163	Donor-related photoionization cross-section of GaAs/(Ga, Al)As quantum dots: hydrostatic pressure effects. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 2440-2443.	0.7	20
164	Symmetric and asymmetric GaAs/Al <sub>0.3</sub> Ga <sub>0.7</sub> As double quantum well subjected to hydrostatic pressure and applied electric field. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3224-3230.	0.7	11
165	Hydrostatic pressure effects on the donor impurity-related photoionization cross-section in cylindrical-shaped GaAs/GaAlAs quantum well wires. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3311-3317.	0.7	20
166	Stress effects on shallow-donor impurity states in symmetrical GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As double quantum wells. <i>Physical Review B</i> , 2004, 69, .	1.1	141
167	Effects of hydrostatic stress on the density of impurity states and donor-related optical absorption spectra in GaAs-(Ga,Al)As quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 648-651.	0.8	25
168	Donor-related density of states and polarizability in a GaAs-(Ga, Al)As quantum-well under hydrostatic pressure and applied electric field. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 652-656.	0.8	43
169	Binding energy and density of shallow impurity states in GaAs/(Ga, Al)As quantum wells: effects of an applied hydrostatic stress. <i>Semiconductor Science and Technology</i> , 2003, 18, 718-722.	1.0	28
170	Magnetoabsorption spectra of intraexcitonic transitions in GaAs-(Ga,Al)As semiconductor quantum wells. <i>Journal of Applied Physics</i> , 2002, 92, 1227-1231.	1.1	8
171	BINDING ENERGY FOR A SHALLOW DONOR IMPURITY IN GaAs/(Ga, Al)As QUANTUM WELLS UNDER HYDROSTATIC PRESSURE AND APPLIED ELECTRIC FIELD. <i>Surface Review and Letters</i> , 2002, 09, 1753-1756.	0.5	25
172	Magnetoexciton transitions in GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As quantum wells. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 1021-1033.	0.7	8
173	Simultaneous effects of hydrostatic stress and an electric field on donors in a GaAs-(Ga, Al)As quantum well. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 987-995.	0.7	61
174	Effects of an applied electric field on the binding energy of shallow donor impurities in GaAs low-dimensional systems. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 5977-5987.	0.7	47
175	Effects of applied electric fields on the infrared transitions between hydrogenic states in GaAs low-dimensional systems. <i>Physical Review B</i> , 1997, 55, 10721-10728.	1.1	42
176	Hydrostatic pressure and electric field effect on electronic states in double quantum rings. <i>Proceedings of SPIE</i> , 1899, 8414, 112.	0.8	0