

# Gilmar Eugenio Marques

## List of Publications by Year in descending order

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209  
papers

1,931  
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331670

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395702

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209  
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docs citations

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1659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Connecting morphology and photoluminescence emissions in $\hat{I}^2$ -Ag <sub>2</sub> MoO <sub>4</sub> microcrystals. <i>Ceramics International</i> , 2022, 48, 3740-3750.	4.8	9
2	Tuning intrinsic defects in ZnO films by controlling the vacuum annealing temperature: an experimental and theoretical approach. <i>Physica Scripta</i> , 2022, 97, 075811.	2.5	1
3	Magnetic and power tuning of spin-asymmetric multiple excitons in a GaAs quantum well. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 129, 114599.	2.7	1
4	Optical Mapping of Nonequilibrium Charge Carriers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14741-14750.	3.1	7
5	Unraveling the relationship between bulk structure and exposed surfaces and its effect on the electronic structure and photoluminescent properties of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> : A joint experimental and theoretical approach. <i>Materials Research Bulletin</i> , 2021, 143, 111442.	5.2	7
6	Determination of Carrier Density and Dynamics via Magneto-electroluminescence Spectroscopy in Resonant-Tunneling Diodes. <i>Physical Review Applied</i> , 2021, 15, .	3.8	4
7	Experimental and ab Initio Studies of Deep-Bulk Traps in Doped Rare-Earth Oxide Thick Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 997-1007.	3.1	7
8	Multi-dimensional architecture of Ag/ $\hat{I}^{\pm}$ -Ag <sub>2</sub> WO <sub>4</sub> crystals: insights into microstructural, morphological, and photoluminescence properties. <i>CrystEngComm</i> , 2020, 22, 7903-7917.	2.6	9
9	Insights into the nature of optically active defects of ZnO. <i>Journal of Luminescence</i> , 2020, 227, 117536.	3.1	15
10	Robust room temperature emissions of trion in darkish WSe <sub>2</sub> monolayers: effects of dark neutral and charged excitonic states. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 365702.	1.8	7
11	Microwave-Driven Hexagonal-to-Monoclinic Transition in BiPO <sub>4</sub> : An In-Depth Experimental Investigation and First-Principles Study. <i>Inorganic Chemistry</i> , 2020, 59, 7453-7468.	4.0	24
12	Resonant tunneling of electrons in AlSb/GaInAsSb double barrier quantum wells. <i>AIP Advances</i> , 2020, 10, 055024.	1.3	7
13	Engineering of the band gap induced by Ce surface enrichment in Ce-doped SnO <sub>2</sub> nanocrystals. <i>Applied Surface Science</i> , 2020, 527, 146794.	6.1	16
14	Charge transfer in Pr-Doped cerium oxide: Experimental and theoretical investigations. <i>Materials Chemistry and Physics</i> , 2020, 249, 122967.	4.0	9
15	Metallic behavior in STO/LAO heterostructures with non-uniformly atomic interfaces. <i>Materials Today Communications</i> , 2020, 24, 101339.	1.9	1
16	Growth and formation mechanism of shape-selective preparation of ZnO structures: correlation of structural, vibrational and optical properties. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7329-7339.	2.8	23
17	Tailoring the physical and chemical properties of Sn <sup>x</sup> Co <sub>x</sub> O <sub>2</sub> nanoparticles: an experimental and theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3702-3714.	2.8	19
18	Evidence for the formation of metallic In after laser irradiation of InP. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	4

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19	Role of defects on the enhancement of the photocatalytic response of ZnO nanostructures. Applied Surface Science, 2018, 448, 646-654.	6.1	46
20	Direct preparation of standard functional interfaces in oxide heterostructures for 2DEG analysis through beam-induced platinum contacts. Applied Physics Letters, 2018, 113, .	3.3	2
21	Photocurrent enhancement and magnetoresistance in indium phosphide single nanowire by zinc doping. Journal Physics D: Applied Physics, 2018, 51, 255106.	2.8	2
22	Electroluminescence on-off ratio control of $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{ mathvariant="italic"} \rangle \text{n} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \text{ mathvariant="italic"} \rangle \hat{\text{a}} \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \text{ mathvariant="italic"} \rangle \text{i} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \text{ mathvariant="italic"} \rangle \hat{\text{a}} \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \text{ mathvariant="italic"} \rangle \text{n} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{GaAs/AlGaAs-based resonant tunneling structures. Physical Review B, 2018, 98, .}$	3.2	6
23	Azobenzene Adsorption on the MoS <sub>2</sub> (0001) Surface: A Density Functional Investigation within van der Waals Corrections. Journal of Physical Chemistry C, 2018, 122, 18895-18901.	3.1	15
24	Luminescent properties of GaAsBi/GaAs double quantum well heterostructures. Journal of Luminescence, 2017, 188, 209-216.	3.1	5
25	Quantum well electronic states in a tilted magnetic field. Journal of Physics Condensed Matter, 2017, 29, 325503.	1.8	1
26	Nanoscale Tipping Bucket Effect in a Quantum Dot Transistor-Based Counter. Nano Letters, 2017, 17, 2273-2279.	9.1	5
27	Collective modes of trapped spinor Bose-Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 215303.	1.5	0
28	Photovoltaic efficiency of intermediate band solar cells based on CdTe/CdMnTe coupled quantum dots. Journal of Physics Condensed Matter, 2017, 29, 445301.	1.8	5
29	Temperature tuning from direct to inverted bistable electroluminescence in resonant tunneling diodes. Journal of Applied Physics, 2017, 122, 154502.	2.5	12
30	Mimicking of pulse shape-dependent learning rules with a quantum dot memristor. Journal of Applied Physics, 2016, 120, .	2.5	6
31	Optical and transport properties correlation driven by amorphous/crystalline disorder in InP nanowires. Journal of Physics Condensed Matter, 2016, 28, 475303.	1.8	1
32	Effective particle-hole symmetry breaking, quasi-bond state engineering and optical absorption in graphene based gated dot-ring nanostructures. RSC Advances, 2016, 6, 51845-51855.	3.6	0
33	Carrier transfer in vertically stacked quantum ring-quantum dot chains. Journal of Applied Physics, 2015, 117, .	2.5	15
34	Nanothermometer Based on Resonant Tunneling Diodes: From Cryogenic to Room Temperatures. ACS Nano, 2015, 9, 6271-6277.	14.6	23
35	Electron-phonon deformation potential interaction in core-shell Ge-Si and Si-Ge nanowires. Physical Review B, 2015, 91, .	3.2	11
36	Structural and magnetic confinement of holes in the spin-polarized emission of coupled quantum ring-quantum dot chains. Physical Review B, 2014, 90, .	3.2	10

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37	Spin filtering in nanowire directional coupler. Europhysics Letters, 2014, 106, 17002.	2.0	3
38	Low temperature magneto-photoluminescence of GaAsBi /GaAs quantum well heterostructures. Journal of Applied Physics, 2014, 115, 123518.	2.5	11
39	Temperature driven three-dimensional ordering of InGaAs/GaAs quantum dot superlattices grown under As <sub>2</sub> gas flux. Applied Surface Science, 2014, 305, 689-696.	6.1	3
40	Effects of AlGaAs cladding layers on the luminescence of GaAs/GaAs <sub>1-x</sub> Bi <sub>x</sub> /GaAs heterostructures. Nanotechnology, 2014, 25, 035702.	2.6	9
41	Electron transport in quantum dot chains: Dimensionality effects and hopping conductance. Journal of Applied Physics, 2013, 113, 183709.	2.5	20
42	EFFECTS OF INTERNAL DEFECT ON THE VORTEX ENTRANCE IN MESOSCOPIC SUPERCONDUCTOR. Modern Physics Letters B, 2013, 27, 1350075.	1.9	1
43	Magnetic phase diagram of non-magnetic few-electron quantum dot molecules. Journal Physics D: Applied Physics, 2012, 45, 055301.	2.8	1
44	Anomalous optical properties of GaMnAs/AlAs quantum wells grown by molecular beam epitaxy. Journal Physics D: Applied Physics, 2012, 45, 215301.	2.8	6
45	Magneto-optical investigation of two-dimensional gases in n-type resonant tunneling diodes. Semiconductor Science and Technology, 2012, 27, 015018.	2.0	3
46	Spin-current switch based on vertical asymmetric double quantum dots containing single manganese. Journal of Applied Physics, 2012, 111, 07C320.	2.5	0
47	Uncoupled optical phonons in core/shell GaAs/GaP nanowires: Strain effects. Journal of Applied Physics, 2012, 112, 084322.	2.5	6
48	Quantum oscillations of spin polarization in a GaAs/AlGaAs double quantum well. Physical Review B, 2012, 86, .	3.2	7
49	Tuning hole mobility in InP nanowires. Applied Physics Letters, 2012, 101, 182104.	3.3	1
50	In-plane mapping of buried InGaAs quantum rings and hybridization effects on the electronic structure. Journal of Applied Physics, 2012, 112, .	2.5	12
51	Paramagnetic shift in thermally annealed Cd <sub>x</sub> Zn <sub>1-x</sub> Se quantum dots. New Journal of Physics, 2012, 14, 043038.	2.9	11
52	Temperature-dependent Raman study of thermal parameters in CdS quantum dots. Nanotechnology, 2012, 23, 125701.	2.6	34
53	Dilute magnetism in Zn <sub>1-x</sub> Mn <sub>x</sub> Te nanocrystals grown in a glass template. Chemical Physics Letters, 2012, 541, 44-48.	2.6	22
54	Magneto-optical properties in IV-VI lead-salt semimagnetic nanocrystals. Nanoscale Research Letters, 2012, 7, 374.	5.7	4

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55	Spin injection in n-type resonant tunneling diodes. <i>Nanoscale Research Letters</i> , 2012, 7, 592.	5.7	4
56	Voltage-driven ring confinement in a graphene sheet: assessing conditions for bound state solutions. <i>Nanotechnology</i> , 2012, 23, 385201.	2.6	5
57	Control of magnetic behavior by Pb <sub>1-x</sub> MnxS nanocrystals in a glass matrix. <i>Journal of Applied Physics</i> , 2012, 111, 064311.	2.5	11
58	Magneto-optical properties of Cd <sub>1-x</sub> MnxS nanoparticles: influences of magnetic doping, Mn <sup>2+</sup> ions localization, and quantum confinement. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3248.	2.8	27
59	The migration of Mn <sup>2+</sup> ions in Cd <sub>1-x</sub> Mn S nanocrystals: Thermal annealing control. <i>Solid State Communications</i> , 2012, 152, 337-340.	1.9	9
60	Superfluidity and collective oscillations of trapped Bose-Einstein condensates in a periodical potential. <i>European Physical Journal D</i> , 2012, 66, 1.	1.3	3
61	Anisotropic Confinement, Electronic Coupling and Strain Induced Effects Detected by Valence-Band Anisotropy in Self-Assembled Quantum Dots. <i>Nanoscale Research Letters</i> , 2011, 6, 56.	5.7	10
62	Gate-controlled electron g-factor in lateral quantum dot molecules. <i>Journal of Applied Physics</i> , 2011, 110, 124309.	2.5	2
63	Tailoring Electronic Transparency of Twin-Plane 1D Superlattices. <i>ACS Nano</i> , 2011, 5, 5519-5525.	14.6	21
64	Hole-mediated ferromagnetism in coupled semimagnetic quantum dots. <i>Physical Review B</i> , 2011, 84, .	3.2	8
65	Tunable magnetic property of lateral quantum dot molecules. <i>Journal of Physics: Conference Series</i> , 2011, 334, 012064.	0.4	2
66	Radiative versus nonradiative optical processes in PbS nanocrystals. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	18
67	Circular polarization in a non-magnetic resonant tunneling device. <i>Nanoscale Research Letters</i> , 2011, 6, 101.	5.7	2
68	Carrier transfer in the optical recombination of quantum dots. <i>Physical Review B</i> , 2011, 83, .	3.2	6
69	Zeeman splitting and spin dynamics tuning by exciton charging in two-dimensional systems. <i>Physical Review B</i> , 2011, 84, .	3.2	13
70	Spin injection from two-dimensional electron and hole gases in resonant tunneling diodes. <i>Applied Physics Letters</i> , 2011, 99, 233507.	3.3	11
71	Cooperative Effects in the Photoluminescence of (In,Ga)As/GaAs Quantum Dot Chain Structures. <i>Nanoscale Research Letters</i> , 2010, 5, 991-1001.	5.7	8
72	Electron Spin Relaxation Due to Phonon Modulation of the Rashba Interaction in Quantum Dots. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 175-177.	1.8	1

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73	ZnTe nanocrystal formation and growth control on UV-transparent substrate. Chemical Physics Letters, 2010, 500, 46-48.	2.6	23
74	Effects of Electron-Electron Correlation On Spin-Orbit Interaction In Quantum Dot Molecules. , 2010, , .		0
75	Tunability of magnetization in lateral few electron double quantum dots. Journal of Applied Physics, 2010, 108, 094325.	2.5	2
76	Characterization of spin-state tuning in thermally annealed semiconductor quantum dots. Physical Review B, 2010, 82, .	3.2	12
77	Aharonov-Bohm Interference in Neutral Excitons: Effects of Built-In Electric Fields. Physical Review Letters, 2010, 104, 086401.	7.8	80
78	Anisotropy induced localization of pseudo-relativistic spin states in graphene double quantum wire structures. Nanotechnology, 2010, 21, 365401.	2.6	4
79	Contrasting LH-HH subband splitting of strained quantum wells grown along [001] and [113] directions. Physical Review B, 2010, 81, .	3.2	5
80	Spin channels exploring finite superlattices: Vertical and lateral transport. Physical Review B, 2010, 81, .	3.2	5
81	Control of $p\text{-}d$ exchange interaction in single Mn-doped vertically coupled asymmetric double quantum dots. Physical Review B, 2010, 82, .	3.2	2
82	Energy transfer between CdS nanocrystals and neodymium ions embedded in vitreous substrates. Optics Letters, 2010, 35, 1329.	3.3	22
83	Optical phonons in spherical core/shell semiconductor nanoparticles: Effect of hydrostatic pressure. Physical Review B, 2010, 82, .	3.2	7
84	Spin relaxation in quantum dots: Role of the phonon modulated spin-orbit interaction. , 2010, , .		0
85	Spin polarization in quantum wires: Influence of Dresselhaus spin-orbit interaction and cross-section effects. Physical Review B, 2009, 79, .	3.2	9
86	Eigenstate symmetries and information transfer in parabolic quantum reflectors. Physical Review B, 2009, 79, .	3.2	0
87	Morphology in semimagnetic $\text{Pb}_{1-x}\text{Mn}_x\text{Se}$ nanocrystals: Thermal annealing effects. Applied Physics Letters, 2009, 94, .	3.3	28
88	Electrical control of singlet-triplet entanglement in lateral quantum dot molecules. Applied Physics Letters, 2009, 95, 083101.	3.3	10
89	A quantum Monte Carlo study of hardwall spherical quantum dots. Semiconductor Science and Technology, 2009, 24, 075009.	2.0	1
90	Analytical Model for Heterogeneous Crystallization Kinetics of Spherical Glass Particles. Journal of the American Ceramic Society, 2009, 92, 2616-2618.	3.8	9

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91	Markovian and Non-Markovian Light-Emission Channels in Strained Quantum Wires. Nano Letters, 2009, 9, 3129-3136.	9.1	24
92	Mechanisms of interdot coupling in (In,Ga)As/GaAs quantum dot arrays. Applied Physics Letters, 2009, 94, .	3.3	21
93	Spin effect on the resonant tunneling characteristics of a double-barrier heterostructures under longitudinal stresses. Microelectronics Journal, 2008, 39, 635-637.	2.0	0
94	Spin transport properties in double-barrier systems with diluted magnetic semiconductor doped layers. Microelectronics Journal, 2008, 39, 1339-1340.	2.0	2
95	Spin relaxation rates in quantum dots: Role of the phonon modulated spin-orbit interaction. Solid State Communications, 2008, 148, 255-258.	1.9	4
96	Optical transitions in new trends organic materials. Microelectronics Journal, 2008, 39, 576-578.	2.0	5
97	Phonon modulation of the spin-orbit interaction as a spin relaxation mechanism in quantum dots. Physical Review B, 2008, 77, .	3.2	15
98	Role of $X$ valley on the dynamics of electron transport through a GaAs/AlAs double-barrier structure. Physical Review B, 2008, 78, .	3.2	5
99	Polarization resolved luminescence in asymmetric n-type GaAs <sup>+</sup> AlGaAs resonant tunneling diodes. Applied Physics Letters, 2008, 92, .	3.3	16
100	Inversion asymmetry spin splitting in self-assembled quantum rings. Physical Review B, 2008, 77, .	3.2	8
101	Negative magnetopolarization in thermally annealed self-assembled quantum dots. Physical Review B, 2008, 77, .	3.2	11
102	Light controlled spin polarization in asymmetric n-type resonant tunneling diode. Applied Physics Letters, 2007, 91, .	3.3	14
103	Circular polarization from a nonmagnetic p-i-n resonant tunneling diode. Applied Physics Letters, 2007, 90, 062120.	3.3	17
104	Dispersion of confined optical phonons in semiconductor nanowires in the framework of a continuum approach. Journal of Applied Physics, 2007, 101, 033525.	2.5	1
105	Spin-orbit effects in single electron quantum rings. Semiconductor Science and Technology, 2007, 22, 301-306.	2.0	4
106	Phonon modulation of the spin-orbit interaction as a spin relaxation mechanism in InSb quantum dots. Journal of Physics: Conference Series, 2007, 92, 012062.	0.4	1
107	Confined polar optical phonons in semiconductor double heterostructures: an improved continuum approach. Semiconductor Science and Technology, 2007, 22, 229-236.	2.0	2
108	Raman analysis of the quantum dot morphology. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 397-399.	0.8	1

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109	Controlled optical switching in DMS quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 344-346.	0.8	2
110	Electric-field inversion asymmetry: Rashba and Stark effects for holes in resonant tunneling devices. <i>Physical Review B</i> , 2006, 74, .	3.2	23
111	Optical phonons and Raman scattering in ternary II-VI spheroidal nanocrystals embedded in a glass matrix. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3618-3623.	3.1	13
112	Surface phonons modes: a tool to determine the quantum dot morphology. <i>Brazilian Journal of Physics</i> , 2006, 36, 832-835.	1.4	5
113	Restricted and unrestricted Hartree-Fock approaches applied to spherical quantum dots in a magnetic field. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 2090-2099.	2.0	1
114	Transversal confined polar optical phonons in spherical quantum-dot/quantum-well nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 459-466.	1.5	2
115	Voltage-controlled hole spin injection in nonmagnetic GaAs/AlAs resonant tunneling structures. <i>Physical Review B</i> , 2006, 73, .	3.2	21
116	Excitonic factor of type-II InP/GaAs single quantum dots. <i>Physical Review B</i> , 2006, 73, .	3.2	21
117	Manipulation of g-factor in diluted magnetic semiconductors quantum dots: Optical switching control. <i>Applied Physics Letters</i> , 2006, 88, 052101.	3.3	11
118	Two-photon absorption processes in semiconductor quantum dots. <i>Brazilian Journal of Physics</i> , 2006, 36, 960-962.	1.4	4
119	Spin relaxation due to the phonon modulation of the spin-orbit interaction in quantum dots. <i>Microelectronics Journal</i> , 2005, 36, 241-243.	2.0	0
120	Charge buildup effects in asymmetric p-type resonant tunneling diodes. <i>Microelectronics Journal</i> , 2005, 36, 356-358.	2.0	0
121	Spin carrier dynamics under full spin-orbit coupling. <i>Microelectronics Journal</i> , 2005, 36, 480-483.	2.0	2
122	Spin-polarized charge fluctuations in magnetic tunneling diodes. <i>Microelectronics Journal</i> , 2005, 36, 463-465.	2.0	0
123	Spin-flip relaxation due to phonon macroscopic deformation potential in quantum dots. <i>Microelectronics Journal</i> , 2005, 36, 1034-1037.	2.0	4
124	Negative charged excitons in double barrier diodes. <i>Microelectronics Journal</i> , 2005, 36, 1038-1040.	2.0	0
125	The dynamics of excitons and trions in resonant tunneling diodes. <i>Solid State Communications</i> , 2005, 135, 241-246.	1.9	3
126	Optical transitions in geometrical quantum islands. <i>Superlattices and Microstructures</i> , 2005, 37, 248-260.	3.1	5



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127	Symmetries and anisotropies of the electronic states within full spin-orbit coupling. Physica Status Solidi (B): Basic Research, 2005, 242, 1788-1792.	1.5	1
128	Spin-hybridization effects in quantum dots. AIP Conference Proceedings, 2005, , .	0.4	0
129	Intrinsic & phonon-induced spin relaxation in quantum dots. AIP Conference Proceedings, 2005, , .	0.4	0
130	Trion Assisted Tunneling In Double Barrier Diodes. AIP Conference Proceedings, 2005, , .	0.4	0
131	Intraband magnetoabsorption as a probing tool for the quantum dot charge. Applied Physics Letters, 2005, 87, 231101.	3.3	6
132	Kinetics of excitonic complexes on tunneling devices. Physical Review B, 2005, 71, .	3.2	8
133	Multichannel field-effect spin-barrier selector: Spin-carrier dynamics under full spin-orbit coupling. Physical Review B, 2005, 72, .	3.2	9
134	Electron spin-phonon relaxation in quantum dots. Brazilian Journal of Physics, 2004, 34, 705-707.	1.4	4
135	Influence of quantum dot shape on the Landé g-factor determination. Physical Review B, 2004, 69, .	3.2	55
136	Spin-orbit coupling and intrinsic spin mixing in quantum dots. Physical Review B, 2004, 69, .	3.2	72
137	Selective Voltage-Controlled Hole Spin in Non-Magnetic Resonant Tunneling Diodes. Materials Research Society Symposia Proceedings, 2004, 825, G5.10.1.	0.1	0
138	Zeeman effect and magnetic field induced spin-hybridization in semiconductor quantum dots. Journal of Physics Condensed Matter, 2004, 16, 6949-6960.	1.8	4
139	Zeeman effect and magnetic anomalies in narrow-gap semiconductor quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 20, 286-289.	2.7	6
140	Interwire element of an impurity spectral function in coupled asymmetric quantum wires. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 479-482.	2.7	0
141	Optical phonons in semiconductor quantum rods. Solid State Communications, 2004, 130, 477-480.	1.9	35
142	Exchange induced Zeeman splitting in resonant tunnelling diodes. Physica Status Solidi (B): Basic Research, 2004, 241, 708-711.	1.5	1
143	Effective g -factor control in II-VI quantum dots: morphological effects. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 807-810.	0.8	0
144	Mapping between electronic structure and ac-Stark shift resonances in heterostructures. Solid State Communications, 2004, 129, 57-61.	1.9	5

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145	Spin-polarized charge fluctuations in magnetic tunneling diodes. Solid State Communications, 2004, 130, 253-257.	1.9	3
146	Electron-phonon-induced spin relaxation in InAs quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 20, 228-231.	2.7	16
147	The violation of the Hund rule in semiconductor artificial atoms. Semiconductor Science and Technology, 2004, 19, L90-L94.	2.0	6
148	Spin-orbit and electronic interactions in narrow-gap quantum dots. Physical Review B, 2004, 70, .	3.2	41
149	Optical transitions in a single CdTe spherical quantum dot. Physical Review B, 2003, 68, .	3.2	23
150	Tunneling effects on the impurity spectral function in coupled asymmetric quantum wires. Physical Review B, 2003, 68, .	3.2	3
151	Photoluminescence of GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As multiple quantum well structures containing $\delta$ -doping superlattices. Physical Review B, 2003, 67, .	3.2	9
152	Resonant magnetotunneling of photogenerated holes in double barrier structures. Journal of Applied Physics, 2003, 93, 5830-5832.	2.5	2
153	Magneto-optical properties of nanocrystals: Zeeman splitting. Physical Review B, 2003, 67, .	3.2	19
154	Multiband electron resonant Raman scattering in quantum wells in a magnetic field. Physical Review B, 2003, 67, .	3.2	4
155	Raman spectra of a two-dimensional electron gas in narrow-gap semiconductor quantum wells in magnetic fields: Spin-flip and anisotropic effects. Physical Review B, 2002, 66, .	3.2	3
156	Transport properties in spherical quantum dots: Orbital-blockade and spin-blockade effects. Physical Review B, 2002, 65, .	3.2	6
157	Interface optical phonons in spheroidal dots: Raman selection rules. Physical Review B, 2002, 65, .	3.2	62
158	Tunnelling of photogenerated holes through Landau levels in GaAs/AlGaAs double barrier diodes. , 2002, , .		0
159	Electron-phonon optical-phonon scattering rates in spherical CdSe quantum dots in an external magnetic field. Physical Review B, 2002, 65, .	3.2	7
160	Interface optical phonons in spheroidal quantum dots. Journal of Physics Condensed Matter, 2002, 14, 6469-6481.	1.8	17
161	Spin-Flip Effect in Narrow-Gap Semiconductor Quantum Wells. Physica Status Solidi (B): Basic Research, 2002, 231, 263-277.	1.5	3
162	Acoustic and optical phonon scattering rates in spherical quantum dots: magnetic effects. Physica B: Condensed Matter, 2002, 316-317, 459-463.	2.7	2

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163	Electron-acoustic phonon scattering rates in spherical quantum dots: contribution of the macroscopic deformation potential. Brazilian Journal of Physics, 2002, 32, 284-286.	1.4	1
164	nipi delta-doping superlattices for amplitude modulation. Brazilian Journal of Physics, 2002, 32, 269-274.	1.4	2
165	Delta-doping superlattices in multiple quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 11, 261-267.	2.7	5
166	Dielectric response in narrow-gap semiconductor quantum wells in a magnetic field. Journal of Applied Physics, 2001, 89, 6400-6407.	2.5	6
167	Anomalous Land $\tilde{\alpha}$ factor in narrow-gap semiconductor heterostructures. Solid State Communications, 2000, 114, 649-654.	1.9	8
168	Erratum to "Anomalous Land $\tilde{\alpha}$ factor in narrow-gap semiconductor heterostructures". Solid State Communications, 2000, 115, 515.	1.9	3
169	Electron acoustic-phonon scattering rates in $\text{InAs}$ quantum dots: contribution of the macroscopic deformation potential. Solid State Communications, 2000, 116, 247-252.	1.9	16
170	Magneto-optical anisotropy in the absorption coefficient of narrow-gap quantum wells. Physica B: Condensed Matter, 2000, 284-288, 1928-1929.	2.7	1
171	Electronic transport in quasi-1D mesoscopic systems: the correlated electron approach. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 786-789.	2.7	2
172	Electronic Levels of Quantum Dots: A Variational Approach. Journal of the Physical Society of Japan, 2000, 69, 3904-3911.	1.6	3
173	Electronic structure in narrow-gap quantum dots. Brazilian Journal of Physics, 1999, 29, 730-733.	1.4	4
174	Interband and intersubband absorption in HgCdTe multiple quantum wells. Physical Review B, 1999, 59, 10158-10164.	3.2	8
175	Deformed cyclotronic orbits for shallow impurities in cylindrical quantum well wires. Solid State Communications, 1999, 110, 209-214.	1.9	18
176	Polaron renormalization and lifetime broadening effects on Raman scattering under magnetic field. Physica B: Condensed Matter, 1999, 263-264, 813-815.	2.7	0
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