

# Sergio E Ulloa

## List of Publications by Year in descending order

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264  
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docs citations

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times ranked

3396  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inducing chiral superconductivity on honeycomb lattice systems. Journal of Physics Condensed Matter, 2022, 34, 205403.	1.8	4
2	Superconducting pairing symmetry and spin-orbit coupling in proximitized graphene. Physical Review B, 2020, 102, .	3.2	2
3	Competing interactions and spin-vector chirality in spin chains. Physical Review B, 2020, 102, .	3.2	2
4	Reversible edge spin currents in antiferromagnetically proximitized dichalcogenides. Physical Review B, 2020, 101, .	3.2	7
5	A chiral molecular propeller designed for unidirectional rotations on a surface. Nature Communications, 2019, 10, 3742.	12.8	58
6	Sublattice symmetry breaking and Kondo-effect enhancement in strained graphene. Physical Review B, 2019, 99, .	3.2	8
7	Lateral heterostructures and one-dimensional interfaces in 2D transition metal dichalcogenides. Journal of Physics Condensed Matter, 2019, 31, 213001.	1.8	32
8	Tunable Spin-Polarized Edge Currents in Proximitized Transition Metal Dichalcogenides. Physical Review Letters, 2019, 122, 086401.	7.8	36
9	Negative differential resistance observed on the charge density wave of a transition metal dichalcogenide. Nanoscale, 2019, 11, 22351-22358.	5.6	10
10	Lateral interfaces of transition metal dichalcogenides: A stable tunable one-dimensional physics platform. Physical Review B, 2019, 99, .	3.2	28
11	Detecting coupling of Majorana bound states with an Aharonov-Bohm interferometer. Journal of Physics Condensed Matter, 2018, 30, 045301.	1.8	10
12	Long range of indirect exchange interaction on the edges of MoS <sub>2</sub> flakes. Journal of Physics Condensed Matter, 2018, 30, 045801.	1.8	10
13	Topological phases and twisting of graphene on a dichalcogenide monolayer. Physical Review B, 2018, 98, .	3.2	20
14	Energetics and electronic structure of native point defects in antiferromagnetic CrN. Physical Review B, 2018, 98, .	3.2	8
15	Photomodulation of transport in monolayer dichalcogenides. Physical Review B, 2018, 98, .	3.2	4
16	Electron scattering in two-dimensional semiconductors: Contrasting massive Dirac and Schrödinger behavior. Physical Review B, 2018, 98, .	3.2	3
17	Proximity-induced topological phases in bilayer graphene. Physical Review B, 2018, 97, .	3.2	23
18	Spin-orbit interaction and controlled singlet-triplet dynamics in silicon double quantum dots. Journal of Physics Condensed Matter, 2018, 30, 295301.	1.8	4

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19	Strain fields and electronic structure of antiferromagnetic CrN. Physical Review B, 2017, 96, .	3.2	11
20	Anomalous Kondo resonance mediated by semiconducting graphene nanoribbons in a molecular heterostructure. Nature Communications, 2017, 8, 946.	12.8	16
21	Spin-orbit signatures in the dynamics of singlet-triplet qubits in double quantum dots. Physical Review B, 2017, 95, .	3.2	3
22	Conductance and Kondo Interference beyond Proportional Coupling. Physical Review Letters, 2017, 119, 116801.	7.8	10
23	Single-atom gating and magnetic interactions in quantum corrals. Physical Review B, 2017, 95, .	3.2	4
24	Minimal geometry for valley filtering in graphene. Physical Review B, 2017, 96, .	3.2	16
25	Mass inversion in graphene by proximity to dichalcogenide monolayer. Physical Review B, 2016, 94, .	3.2	36
26	Symmetries and hybridization in the indirect interaction between magnetic moments in $\text{MoS}_2$ . Physical Review B, 2016, 94, .	3.2	15
27	Magnetic-field-induced mixed-level Kondo effect in two-level systems. Physical Review B, 2016, 94, .	3.2	4
28	Influence of Rashba spin-orbit coupling on the Kondo effect. Physical Review B, 2016, 93, .	3.2	26
29	Edge states in dichalcogenide nanoribbons and triangular quantum dots. Physical Review B, 2016, 93, .	3.2	29
30	Hybridization and anisotropy in the exchange interaction in three-dimensional Dirac semimetals. Physical Review B, 2016, 93, .	3.2	18
31	Noncollinear exchange interaction in transition metal dichalcogenide edges. Physical Review B, 2016, 93, .	3.2	14
32	Thermoelectric transport through Majorana bound states and violation of Wiedemann-Franz law. Physical Review B, 2016, 94, .	3.2	27
33	Symmetry-breaking effects on spin and electronic transport in graphene. Physical Review B, 2015, 91, .	3.2	27
34	Sharing Quantum States. Physics Magazine, 2015, 8, .	0.1	0
35	Berry phase and Rashba fields in quantum rings in tilted magnetic field. Physical Review B, 2015, 92, .	3.2	9
36	Procesos cuánticos en islas semiconductoras: manipulación óptica y control de estados coherentes. Mundo Nano Revista Interdisciplinaria En Nanociencia Y Nanotecnología, 2015, 2, .	0.1	0

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37	Förster Resonant Energy Transfer Signatures in Optically Driven Quantum Dot Molecules. Lecture Notes in Nanoscale Science and Technology, 2014, , 333-353.	0.8	0
38	Exchange interaction and tunneling-induced transparency in coupled quantum dots. Physical Review B, 2014, 90, .	3.2	18
39	Kondo effect in graphene with Rashba spin-orbit coupling. Physical Review B, 2014, 90, .	3.2	25
40	RKKY interaction and intervalley processes in $p$ -doped transition-metal dichalcogenides. Physical Review B, 2014, 90, .	3.2	21
41	Emergence of Photoswitchable States in a Graphene–Azobenzene–Au Platform. Nano Letters, 2014, 14, 6823-6827.	9.1	40
42	Spin-orbit coupling and the static polarizability of single-wall carbon nanotubes. Journal of Applied Physics, 2014, 116, 024304.	2.5	1
43	Spin filtering in nanowire directional coupler. Europhysics Letters, 2014, 106, 17002.	2.0	3
44	Spin-Orbit Interaction and Isotropic Electronic Transport in Graphene. Physical Review Letters, 2014, 112, 136602.	7.8	38
45	Quantum phase transitions into Kondo states in bilayer graphene. Physical Review B, 2014, 89, .	3.2	5
46	Capacitive interactions and Kondo effect tuning in double quantum impurity systems. Physical Review B, 2014, 90, .	3.2	7
47	Rashba spin-orbit interaction and birefringent electron optics in graphene. Physical Review B, 2013, 87, .	3.2	49
48	Currents and pseudomagnetic fields in strained graphene rings. Physical Review B, 2013, 87, .	3.2	33
49	Spin-polarized conductance in double quantum dots: Interplay of Kondo, Zeeman, and interference effects. Physical Review B, 2013, 87, .	3.2	29
50	Tuning hole mobility in InP nanowires. Applied Physics Letters, 2012, 101, 182104.	3.3	1
51	Signatures of quantum phase transitions in parallel quantum dots: Crossover from local moment to underscreened spin-1 Kondo physics. Physical Review B, 2012, 85, .	3.2	14
52	Dynamical magnetic anisotropy and quantum phase transitions in a vibrating spin-1 molecular junction. Physical Review B, 2012, 86, .	3.2	11
53	Oscillatory acoustic phonon relaxation of excitons in quantum dot molecules. Journal of the Optical Society of America B: Optical Physics, 2012, 29, A146.	2.1	5
54	Enhancement of the Kondo Effect through Rashba Spin-Orbit Interactions. Physical Review Letters, 2012, 108, 046601.	7.8	58

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55	Quantum Manipulation via Atomic-Scale Magnetoelectric Effects. Nano Letters, 2012, 12, 13-16.	9.1	7
56	Quantitative study of spin-flip cotunneling transport in a quantum dot. Physical Review B, 2012, 86, .	3.2	2
57	Helicoidal Fields and Spin Polarized Currents in Carbon Nanotubeâ€“DNA Hybrids. Physical Review Letters, 2012, 108, 126601.	7.8	40
58	Tunable exciton relaxation in vertically coupled semiconductor InAs quantum dots. Physical Review B, 2011, 84, .	3.2	20
59	Spatial correlations in chaotic nanoscale systems with spin-orbit coupling. Physical Review B, 2011, 84, .	3.2	7
60	Coherent control of indirect excitonic qubits in optically driven quantum dot molecules. Physical Review B, 2010, 82, .	3.2	28
61	Interchain coupling induced localization/delocalization in coupled one-dimensional ordered and disordered chains. Physical Review B, 2010, 81, .	3.2	23
62	Lateral spin-orbit interaction and spin polarization in quantum point contacts. Physical Review B, 2010, 81, .	3.2	26
63	Spatially Extended Kondo State in Magnetic Molecules Induced by Interfacial Charge Transfer. Physical Review Letters, 2010, 105, 106601.	7.8	86
64	Suppression of Kondo screening by the Dicke effect in multiple quantum dots. Physical Review B, 2010, 82, .	3.2	31
65	Kondo regime in triangular arrangements of quantum dots: Molecular orbitals, interference, and contact effects. Physical Review B, 2009, 80, .	3.2	38
66	Many-body electronic structure and Kondo properties of cobalt-porphyrin molecules. Physical Review B, 2009, 80, .	3.2	38
67	Kondo screening suppression by spin-orbit interaction in quantum dots. Physical Review B, 2009, 80, .	3.2	22
68	Tunable Pseudogap Kondo Effect and Quantum Phase Transitions in Aharonov-Bohm Interferometers. Physical Review Letters, 2009, 102, 166806.	7.8	29
69	Charge transport in DNA molecules: Cooperative interplay between the disordered base-pair channel and the ordered backbone. Physical Review E, 2009, 80, 051901.	2.1	13
70	Eigenstate symmetries and information transfer in parabolic quantum reflectors. Physical Review B, 2009, 79, .	3.2	0
71	All-electric quantum point contact spin-polarizer. Nature Nanotechnology, 2009, 4, 759-764.	31.5	155
72	Spinâ€“orbit effects on two-electron states in nanowhisker double quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1577-1582.	2.7	5

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73	First energy-transfer signatures in optically driven quantum dot molecules. Physical Review B, 2009, 79, .	3.2	11
74	Transmission in double quantum dots in the Kondo regime: Quantum-critical transitions and interference effects. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1002-1005.	2.7	4
75	Terahertz fields and the dynamical control of spin in quantum dot molecules. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1226-1228.	2.7	0
76	First signatures and qubits in optically driven quantum dot molecules. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1481-1483.	2.7	2
77	A theoretical study of a spin polarized transport and giant magnetoresistance: The effect of the number of layers in a magnetic multilayer. Journal of Applied Physics, 2008, 103, 083903.	2.5	0
78	Finite-temperature conductance signatures of quantum criticality in double quantum dots. Physical Review B, 2008, 78, .	3.2	25
79	Multilevel system in ac-driven fields: Symmetries and dynamics in a self-assembled quantum lens. Physical Review B, 2008, 77, .	3.2	0
80	Spin-orbit coupling and the singlet-triplet transition in lateral double quantum dots. Physical Review B, 2008, 78, .	3.2	14
81	Spin polarization control via magnetic barriers and spin-orbit effects. Physical Review B, 2008, 78, .	3.2	21
82	Tunneling and optical control in quantum ring molecules. Physical Review B, 2007, 76, .	3.2	37
83	Phonon-assisted tunneling regimes in diatomic molecules. Physical Review B, 2007, 76, .	3.2	2
84	Spin polarized photocurrent from quantum dots. Physical Review B, 2007, 75, .	3.2	12
85	The Effect of the Geometrical Shape and Size of the Cross Section on the Spin-Polarized Transport and the Giant Magnetoresistance : Finite Element Method Analysis. Solid State Phenomena, 2007, 124-126, 843-846.	0.3	0
86	Crossover from diffusive to quasi-ballistic transport. Journal of Applied Physics, 2007, 101, 033711.	2.5	7
87	Dias da Silva et al. Reply:. Physical Review Letters, 2007, 99, .	7.8	9
88	Finite-element method study for the spin-polarized transport in a hybrid spin valve. Journal of Magnetism and Magnetic Materials, 2007, 310, 1889-1891.	2.3	0
89	Preface: phys. stat. sol. (c) 4/11. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 4047-4047.	0.8	0
90	A theoretical study of an amorphous aluminium oxide layer used as a tunnel barrier in a magnetic tunnel junction. Physica Status Solidi (B): Basic Research, 2007, 244, 4427-4430.	1.5	4

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91	Two-subband quantum Hall effect in parabolic quantum wells. AIP Conference Proceedings, 2007, , .	0.4	0
92	Zero-Field Kondo Splitting and Quantum-Critical Transition in Double Quantum Dots. Physical Review Letters, 2006, 97, 096603.	7.8	89
93	Charge-density excitations in a quasi-one-dimensional electron gas with spin-orbit interactions: Zero magnetic field. Physical Review B, 2006, 73, .	3.2	7
94	Plasmon excitations in a two-dimensional electron gas with spin-orbit interactions: Zero magnetic field. Physical Review B, 2006, 73, .	3.2	18
95	Strong spin relaxation length dependence on electric field gradients. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4259-4262.	0.8	0
96	Impurity effects in the optical absorption of quantum rings. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 37-40.	2.7	4
97	Spin injection and accumulation in inhomogeneous semiconductors. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 412-415.	2.7	3
98	Kondo regime of a quantum dot molecule: A finite- slave boson approach. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 608-611.	2.7	15
99	Photocurrent and spin manipulation in quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 333-335.	2.7	2
100	Spin relaxation rates in quasi-one-dimensional coupled quantum dots. Physical Review B, 2006, 74, .	3.2	12
101	Tunability of qubit Coulomb interaction: Numerical analysis of top-gate depletion in two-dimensional electron systems. Physical Review B, 2006, 74, .	3.2	7
102	Spin Hall effect in two-dimensional p-type semiconductors in a magnetic field. Physical Review B, 2006, 73, .	3.2	27
103	Spin polarization control in semiconductors by electric-field gradients. Physical Review B, 2006, 74, .	3.2	4
104	ac-field-controlled localization-delocalization transition in a one-dimensional disordered system. Physical Review B, 2006, 74, .	3.2	15
105	Extended coherent exciton states in quantum dot arrays. Applied Physics Letters, 2006, 88, 043110.	3.3	14
106	Two-subband quantum Hall effect in parabolic quantum wells. Physical Review B, 2006, 74, .	3.2	33
107	Bipolar spin filter in a quantum dot molecule. Applied Physics Letters, 2006, 88, 093118.	3.3	22
108	Spin relaxation and g-factor manipulation in quantum dots. Brazilian Journal of Physics, 2006, 36, 443-446.	1.4	2

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109	Spin carrier dynamics under full spin-orbit coupling. Microelectronics Journal, 2005, 36, 480-483.	2.0	2
110	Damping of coherent oscillations in a quantum dot photodiode. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 337-341.	2.7	2
111	Charge qubits and limitations of electrostatic quantum gates. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 342-346.	2.7	0
112	Photocurrent oscillations in a quantum dot photodiode. Solid State Communications, 2005, 134, 33-35.	1.9	1
113	Spin Filter Effect in a Parallel Double Quantum Dot. Journal of Superconductivity and Novel Magnetism, 2005, 18, 233-239.	0.5	2
114	Spin and charge polarization in quantum dot arrays. Physica Status Solidi (B): Basic Research, 2005, 242, 1214-1218.	1.5	2
115	AC-Stark effect in a semi-spherical quantum dot. Physica Status Solidi (B): Basic Research, 2005, 242, 1820-1823.	1.5	6
116	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
117	Dynamics of quantum dot clusters and state monitoring. AIP Conference Proceedings, 2005, , .	0.4	0
118	Spatially resolved manipulation of single electrons in quantum dots using a scanned probe. AIP Conference Proceedings, 2005, , .	0.4	1
119	Intrinsic & phonon-induced spin relaxation in quantum dots. AIP Conference Proceedings, 2005, , .	0.4	0
120	Coherent control of tunneling in a quantum dot array. AIP Conference Proceedings, 2005, , .	0.4	0
121	Decoherence of Charge Qubit Systems. AIP Conference Proceedings, 2005, , .	0.4	0
122	Spin polarized photocurrent from a single quantum dot. AIP Conference Proceedings, 2005, , .	0.4	3
123	Anisotropic electron factor in quantum dots with spin-orbit interaction. Physical Review B, 2005, 71, .	3.2	32
124	Quasiballistic, nonequilibrium electron distribution in inhomogeneous semiconductor structures. Applied Physics Letters, 2005, 86, 253103.	3.3	4
125	Dynamic polarization tunneling: A spin filtering mechanism. Physical Review B, 2005, 72, .	3.2	18
126	Phonon Rabi-assisted tunneling in diatomic molecules. Physical Review B, 2005, 72, .	3.2	2



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127	Polarization and Aharonov-Bohm oscillations in quantum-ring magnetoexcitons. Physical Review B, 2005, 72, .	3.2	32
128	Oscillatory spin relaxation rates in quantum dots. Physical Review B, 2005, 72, .	3.2	29
129	Decoherence of Rabi Oscillations in a Single Quantum Dot. Physical Review Letters, 2005, 94, 057404.	7.8	100
130	Landau level mixing by full spin-orbit interactions. Physical Review B, 2005, 72, .	3.2	28
131	Level structure and spin-orbit effects in quasi-one-dimensional semiconductor nanostructures. Physical Review B, 2005, 71, .	3.2	27
132	Multichannel field-effect spin-barrier selector: Spin-carrier dynamics under full spin-orbit coupling. Physical Review B, 2005, 72, .	3.2	9
133	Local density of states in parabolic quantum corrals. Physical Review B, 2004, 69, .	3.2	5
134	Extended states in disordered systems: Role of off-diagonal correlations. Physical Review B, 2004, 69, .	3.2	47
135	Selective coherent destruction of tunneling in a quantum-dot array. Physical Review B, 2004, 70, .	3.2	47
136	Spatially Resolved Manipulation of Single Electrons in Quantum Dots Using a Scanned Probe. Physical Review Letters, 2004, 93, 216801.	7.8	101
137	Coherent state monitoring in quantum dots. Physical Review B, 2004, 70, .	3.2	9
138	Spin-orbit coupling and intrinsic spin mixing in quantum dots. Physical Review B, 2004, 69, .	3.2	72
139	Charge qubits and limitations of electrostatic quantum gates. Physical Review A, 2004, 70, .	2.5	8
140	Impurity effects on the Aharonov-Bohm optical signatures of neutral quantum-ring magnetoexcitons. Physical Review B, 2004, 70, .	3.2	57
141	Aharonov-Bohm phase as quantum gate in two-electron charge qubits. Physical Review B, 2004, 70, .	3.2	2
142	Spin-orbit coupling and magnetic spin states in cylindrical quantum dots. Materials Research Society Symposia Proceedings, 2004, 825, G4.6.1.	0.1	0
143	Structural and dynamical disorder and charge transport in DNA. Microelectronics Journal, 2004, 35, 23-26.	2.0	17
144	Modeling of Transport Through Submicron Semiconductor Structures: A Direct Solution to the Coupled Poisson-Boltzmann Equations. Journal of Computational Electronics, 2004, 3, 215-219.	2.5	7

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145	Magnetic Field and Dissipation Effects on the Charge Polarization in Quantum Cellular Automata. IEEE Nanotechnology Magazine, 2004, 3, 37-41.	2.0	6
146	Magnetic-Field-Dependent Transmission Phase of a Double-Dot System in a Quantum Ring. Physical Review Letters, 2004, 93, 066802.	7.8	76
147	Coherent control of tunneling in a quantum dot molecule. Physical Review B, 2004, 69, .	3.2	221
148	Spin-orbit and electronic interactions in narrow-gap quantum dots. Physical Review B, 2004, 70, .	3.2	41
149	Electron dynamics in quantum wells under tilted magnetic field and intense AC field. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 157-158.	2.7	0
150	Potential landscapes and induced charges near metallic islands in three dimensions. Physical Review E, 2003, 68, 056707.	2.1	16
151	Transport signatures of correlated disorder in a two-dimensional electron gas. Europhysics Letters, 2003, 61, 674-680.	2.0	5
152	Nonperturbative electron dynamics in crossed fields. Physical Review B, 2002, 66, .	3.2	18
153	Polarons with a twist. Physical Review B, 2002, 66, .	3.2	36
154	Lateral superlattices on parabolic quantum wells. Physical Review B, 2002, 66, .	3.2	6
155	First-principles calculations of the structural and electronic properties of the ScN(001) surface. Physical Review B, 2002, 65, .	3.2	40
156	Delocalization of Wannier-Stark ladders by phonons: Tunneling and stretched polarons. Europhysics Letters, 2002, 58, 857-863.	2.0	3
157	Quantum dynamics, dissipation, and asymmetry effects in quantum dot arrays. Physical Review B, 2002, 66, .	3.2	17
158	Polarized excitons in nanorings and the optical Aharonov-Bohm effect. Physical Review B, 2002, 66, .	3.2	182
159	Preface: phys. stat. sol. (b) 230/2/2002. Physica Status Solidi (B): Basic Research, 2002, 230, 307-308.	1.5	0
160	Transport signatures for correlated disorder in self-assembled InAs quantum dots on GaAs. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 591-594.	2.7	0
161	Magnetoexcitons in quantum-ring structures: a novel magnetic interference effect. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 790-793.	2.7	14
162	Kondo effect in a two-level quantum dot coupled to an external fermionic reservoir. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 819-822.	2.7	2

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163	Excitons in quantum-ring structures in a magnetic field: optical properties and persistent currents. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 297-300.	2.7	31
164	Random 1D structures as filters for electrical and optical signals. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 695-698.	2.7	33
165	Nanoscience in Latin America. Journal of Nanoparticle Research, 2002, 4, 175-177.	1.9	1
166	Holstein polarons in a strong electric field: Delocalized and stretched states. Physical Review B, 2002, 66, .	3.2	7
167	Mobility edge in aperiodic Kronig-Penney potentials with correlated disorder: Perturbative approach. Physical Review B, 2001, 63, .	3.2	107
168	Electronic states in a quantum lens. Physical Review B, 2001, 63, .	3.2	44
169	Magnetic field effects on quantum ring excitons. Physical Review B, 2001, 63, .	3.2	101
170	Electronic states and tunneling times in coupled self-assembled quantum dots. Superlattices and Microstructures, 2001, 30, 279-285.	3.1	1
171	Kondo and mixed-valence regimes in multilevel quantum dots. Physical Review B, 2001, 63, .	3.2	9
172	Interaction potential between dynamic dipoles: Polarized excitons in strong magnetic fields. Physical Review B, 2001, 64, .	3.2	27
173	Electronic states in a cylindrical quantum lens: Quantum chaos for decreasing system symmetry. Physical Review E, 2001, 64, 056237.	2.1	8
174	Decoherence Effects in Arrays of Coupled Quantum Dots. Materials Research Society Symposia Proceedings, 2000, 642, 1121.	0.1	0
175	Quantum Dot Cell Coupled to a Single Mode Quantum Cavity. Materials Research Society Symposia Proceedings, 2000, 642, 311.	0.1	0
176	Dynamic behavior of asymmetric quantum dot cells. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 428-431.	2.7	8
177	Anomalous quantum Hall conductivity and resonances in coupled layers. Europhysics Letters, 2000, 49, 362-368.	2.0	0
178	Strain and crystallographic orientation effects on the valence subbands of wurtzite quantum wells. Physical Review B, 2000, 62, 2562-2572.	3.2	39
179	Quasi-one-dimensional excitons in lateral surface-induced superlattices. Physical Review B, 2000, 61, 13099-13103.	3.2	4
180	Magnetic-field and quantum confinement asymmetry effects on excitons. Physical Review B, 2000, 61, 2128-2137.	3.2	22

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181	Coulomb coupling and the role of symmetries in quantum-dot arrays for cellular automata. Physical Review B, 2000, 62, 1912-1920.	3.2	4
182	Local-basis quasiparticle calculations and the dielectric response function of Si clusters. Physical Review B, 2000, 61, 2626-2631.	3.2	8
183	The remote plasmon polaron. Europhysics Letters, 1999, 45, 235-241.	2.0	6
184	Zeeman splitting of shallow donors in GaN. Applied Physics Letters, 1999, 74, 248-250.	3.3	32
185	Frequency-dependent magnetotransport and particle dynamics in magnetic modulation systems. Physical Review B, 1999, 59, 2824-2832.	3.2	7
186	Correlation and symmetry effects in transport through an artificial molecule. Physical Review B, 1999, 59, 5717-5727.	3.2	14
187	Resonant Raman scattering in self-assembled quantum dots. Physical Review B, 1999, 60, 16747-16757.	3.2	22
188	Resonant Raman Scattering in Asymmetric Semiconductor Quantum Disks. Physica Status Solidi (B): Basic Research, 1999, 215, 459-463.	1.5	2
189	Ordered Hamiltonian and matching conditions for heterojunctions with wurtzite symmetry: GaN/Al <sub>x</sub> Ga <sub>1-x</sub> N quantum wells. Physical Review B, 1999, 60, 13659-13667.	3.2	30
190	Simulation of hyperthermal deposition of Si and C on SiC surfaces. Applied Physics Letters, 1999, 74, 55-57.	3.3	5
191	Local Basis Gw Calculations and the Dielectric Response of Si and C Clusters. Materials Research Society Symposia Proceedings, 1999, 579, 97.	0.1	0
192	Electronic States of Self-Assembled Quantum Dots: Symmetries in a Quantum Lens. Materials Research Society Symposia Proceedings, 1999, 579, 129.	0.1	0
193	Effect of interactions on the integrability and level statistics of two particles in an infinite quantum well. Physica B: Condensed Matter, 1998, 249-251, 224-227.	2.7	4
194	Frequency-dependent magnetotransport in a two-dimensional magnetic modulation system. Physica B: Condensed Matter, 1998, 249-251, 339-342.	2.7	2
195	Acceptor binding energies in GaN and AlN. Physical Review B, 1998, 58, 3879-3887.	3.2	95
196	Localized states in a strong magnetic field: Resonant scattering and the Dicke effect. Physical Review B, 1998, 57, 6642-6653.	3.2	23
197	The remote Wigner polaron in a two-dimensional electron system. Europhysics Letters, 1997, 40, 551-556.	2.0	5
198	Dynamics of two interacting particles in classical billiards. Physical Review E, 1997, 55, R6319-R6322.	2.1	17

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199	Resonant Scattering in a Strong Magnetic Field: Exact Density of States. Physical Review Letters, 1997, 79, 3478-3481.	7.8	11
200	Coulomb drag in mesoscopic rings. Physical Review B, 1997, 55, 13702-13706.	3.2	14
201	Acceptor Binding Energies in GaN and AlN. Materials Research Society Symposia Proceedings, 1997, 482, 67.	0.1	2
202	First-principles calculations of optical properties: Application to silicon clusters. Physical Review B, 1997, 56, 9719-9725.	3.2	13
203	Electron interactions, classical integrability, and level statistics in quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 1997, 1, 274-280.	2.7	10
204	Level statistics and interactions in a two-dimensional quantum dot. Superlattices and Microstructures, 1997, 21, 21-28.	3.1	12
205	Selection rules for spectroscopy of quantum dots. , 1996, , 65-80.		5
206	First-principles studies of hydrogenated Si(111)-7 $\times$ 7. Physical Review B, 1996, 54, 8028-8032.	3.2	22
207	Optical Signature of the GaN (1010) Surface. Materials Research Society Symposia Proceedings, 1996, 449, 911.	0.1	1
208	Size dependence of the optical properties of silicon clusters. Superlattices and Microstructures, 1996, 20, 405-410.	3.1	6
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