

# Sergio E Ulloa

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

253  
papers

4,369  
citations

32  
h-index

53  
g-index

267  
ext. papers

4,686  
ext. citations

3.5  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
253	Reversible edge spin currents in antiferromagnetically proximitized dichalcogenides. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	1
252	Superconducting pairing symmetry and spin-orbit coupling in proximitized graphene. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	1
251	Sublattice symmetry breaking and Kondo-effect enhancement in strained graphene. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	7
250	Lateral heterostructures and one-dimensional interfaces in 2D transition metal dichalcogenides. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 213001	1.8	17
249	Tunable Spin-Polarized Edge Currents in Proximitized Transition Metal Dichalcogenides. <i>Physical Review Letters</i> , <b>2019</b> , 122, 086401	7.4	22
248	A chiral molecular propeller designed for unidirectional rotations on a surface. <i>Nature Communications</i> , <b>2019</b> , 10, 3742	17.4	36
247	Proximity-Induced Topological Transition and Strain-Induced Charge Transfer in Graphene/MoS <sub>2</sub> Bilayer Heterostructures <b>2019</b> , 1-28		2
246	Negative differential resistance observed on the charge density wave of a transition metal dichalcogenide. <i>Nanoscale</i> , <b>2019</b> , 11, 22351-22358	7.7	5
245	Lateral interfaces of transition metal dichalcogenides: A stable tunable one-dimensional physics platform. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	13
244	Detecting coupling of Majorana bound states with an Aharonov-Bohm interferometer. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 045301	1.8	7
243	Long range of indirect exchange interaction on the edges of MoS flakes. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 045801	1.8	7
242	Proximity-induced topological phases in bilayer graphene. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	15
241	Spin-orbit interaction and controlled singlet-triplet dynamics in silicon double quantum dots. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 295301	1.8	2
240	Topological phases and twisting of graphene on a dichalcogenide monolayer. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	12
239	Energetics and electronic structure of native point defects in antiferromagnetic CrN. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	3
238	Photomodulation of transport in monolayer dichalcogenides. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
237	Electron scattering in two-dimensional semiconductors: Contrasting massive Dirac and Schrödinger behavior. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2

236	Strain fields and electronic structure of antiferromagnetic CrN. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	6
235	Anomalous Kondo resonance mediated by semiconducting graphene nanoribbons in a molecular heterostructure. <i>Nature Communications</i> , <b>2017</b> , 8, 946	17-4	8
234	Spin-orbit signatures in the dynamics of singlet-triplet qubits in double quantum dots. <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	3
233	Conductance and Kondo Interference beyond Proportional Coupling. <i>Physical Review Letters</i> , <b>2017</b> , 119, 116801	7-4	8
232	Single-atom gating and magnetic interactions in quantum corrals. <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	4
231	Minimal geometry for valley filtering in graphene. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	13
230	Magnetic-field-induced mixed-level Kondo effect in two-level systems. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	4
229	Influence of Rashba spin-orbit coupling on the Kondo effect. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	13
228	Edge states in dichalcogenide nanoribbons and triangular quantum dots. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	29
227	Hybridization and anisotropy in the exchange interaction in three-dimensional Dirac semimetals. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	18
226	Noncollinear exchange interaction in transition metal dichalcogenide edges. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	11
225	Thermoelectric transport through Majorana bound states and violation of Wiedemann-Franz law. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	18
224	Mass inversion in graphene by proximity to dichalcogenide monolayer. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	26
223	Symmetries and hybridization in the indirect interaction between magnetic moments in MoS <sub>2</sub> nanoflakes. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	15
222	The Effects of Substrates on 2D Crystals <b>2016</b> , 67-113		5
221	Berry phase and Rashba fields in quantum rings in tilted magnetic field. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	9
220	Symmetry-breaking effects on spin and electronic transport in graphene. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	24
219	Spin-orbit interaction and isotropic electronic transport in graphene. <i>Physical Review Letters</i> , <b>2014</b> , 112, 136602	7-4	32

218	Quantum phase transitions into Kondo states in bilayer graphene. <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	4
217	Capacitive interactions and Kondo effect tuning in double quantum impurity systems. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	6
216	Faster Resonant Energy Transfer Signatures in Optically Driven Quantum Dot Molecules. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2014</b> , 333-353	0-3	
215	Exchange interaction and tunneling-induced transparency in coupled quantum dots. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	10
214	Kondo effect in graphene with Rashba spin-orbit coupling. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	17
213	RKKY interaction and intervalley processes in p-doped transition-metal dichalcogenides. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	17
212	Emergence of photoswitchable states in a graphene-azobenzene-Au platform. <i>Nano Letters</i> , <b>2014</b> , 14, 6823-7	11.5	32
211	Spin-orbit coupling and the static polarizability of single-wall carbon nanotubes. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 024304	2.5	1
210	Spin filtering in nanowire directional coupler. <i>Europhysics Letters</i> , <b>2014</b> , 106, 17002	1.6	3
209	Rashba spin-orbit interaction and birefringent electron optics in graphene. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	40
208	Currents and pseudomagnetic fields in strained graphene rings. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	29
207	Spin-polarized conductance in double quantum dots: Interplay of Kondo, Zeeman, and interference effects. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	26
206	Enhancement of the Kondo effect through Rashba spin-orbit interactions. <i>Physical Review Letters</i> , <b>2012</b> , 108, 046601	7.4	41
205	Quantum manipulation via atomic-scale magnetoelectric effects. <i>Nano Letters</i> , <b>2012</b> , 12, 13-6	11.5	7
204	Quantitative study of spin-flip cotunneling transport in a quantum dot. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	2
203	Helicoidal fields and spin polarized currents in carbon nanotube-DNA hybrids. <i>Physical Review Letters</i> , <b>2012</b> , 108, 126601	7.4	32
202	Tuning hole mobility in InP nanowires. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 182104	3-4	1
201	Signatures of quantum phase transitions in parallel quantum dots: Crossover from local moment to underscreened spin-1 Kondo physics. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	13

200	Dynamical magnetic anisotropy and quantum phase transitions in a vibrating spin-1 molecular junction. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	9
199	Oscillatory acoustic phonon relaxation of excitons in quantum dot molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2012</b> , 29, A146	1.7	4
198	Tunable exciton relaxation in vertically coupled semiconductor InAs quantum dots. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	18
197	Spatial correlations in chaotic nanoscale systems with spin-orbit coupling. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	7
196	Coherent control of indirect excitonic qubits in optically driven quantum dot molecules. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	26
195	Interchain coupling induced localization/delocalization in coupled one-dimensional ordered and disordered chains. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	22
194	Lateral spin-orbit interaction and spin polarization in quantum point contacts. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	17
193	Spatially extended Kondo state in magnetic molecules induced by interfacial charge transfer. <i>Physical Review Letters</i> , <b>2010</b> , 105, 106601	7.4	77
192	Suppression of Kondo screening by the Dicke effect in multiple quantum dots. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	26
191	Kondo regime in triangular arrangements of quantum dots: Molecular orbitals, interference, and contact effects. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	35
190	Many-body electronic structure and Kondo properties of cobalt-porphyrin molecules. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	34
189	Kondo screening suppression by spin-orbit interaction in quantum dots. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	20
188	Tunable pseudogap Kondo effect and quantum phase transitions in Aharonov-Bohm interferometers. <i>Physical Review Letters</i> , <b>2009</b> , 102, 166806	7.4	22
187	Charge transport in DNA molecules: Cooperative interplay between the disordered base-pair channel and the ordered backbone. <i>Physical Review E</i> , <b>2009</b> , 80, 051901	2.4	11
186	All-electric quantum point contact spin-polarizer. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 759-64	28.7	129
185	Spin-orbit effects on two-electron states in nanowhisker double quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2009</b> , 41, 1577-1582	3	5
184	Fast energy-transfer signatures in optically driven quantum dot molecules. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	9
183	A theoretical study of a spin polarized transport and giant magnetoresistance: The effect of the number of layers in a magnetic multilayer. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 083903	2.5	

182	Finite-temperature conductance signatures of quantum criticality in double quantum dots. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	24
181	Spin-orbit coupling and the singlet-triplet transition in lateral double quantum dots. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	14
180	Spin polarization control via magnetic barriers and spin-orbit effects. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	21
179	Transmission in double quantum dots in the Kondo regime: Quantum-critical transitions and interference effects. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2008</b> , 40, 1002-1005	3	4
178	Terahertz fields and the dynamical control of spin in quantum dot molecules. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2008</b> , 40, 1226-1228	3	
177	Förster signatures and qubits in optically driven quantum dot molecules. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2008</b> , 40, 1481-1483	3	2
176	Dias da Silva et al. Reply:. <i>Physical Review Letters</i> , <b>2007</b> , 99,	7.4	9
175	Finite-element method study for the spin-polarized transport in a hybrid spin valve. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1889-1891	2.8	
174	Preface: phys. stat. sol. (c) 4/11. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 4047-4047		
173	A theoretical study of an amorphous aluminium oxide layer used as a tunnel barrier in a magnetic tunnel junction. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 4427-4430	1.3	4
172	Tunneling and optical control in quantum ring molecules. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	37
171	Phonon-assisted tunneling regimes in diatomic molecules. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	2
170	Spin polarized photocurrent from quantum dots. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	12
169	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. <i>Solid State Phenomena</i> , <b>2007</b> , 124-126, 843-846	0.4	
168	Crossover from diffusive to quasi-ballistic transport. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 033711	2.5	7
167	Spin relaxation rates in quasi-one-dimensional coupled quantum dots. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	12
166	Tunability of qubit Coulomb interaction: Numerical analysis of top-gate depletion in two-dimensional electron systems. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	6
165	Spin Hall effect in two-dimensional p-type semiconductors in a magnetic field. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	22

164	Spin polarization control in semiconductors by electric-field gradients. <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	4
163	ac-field-controlled localization-delocalization transition in a one-dimensional disordered system. <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	14
162	Extended coherent exciton states in quantum dot arrays. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 043110	3-4	13
161	Two-subband quantum Hall effect in parabolic quantum wells. <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	26
160	Bipolar spin filter in a quantum dot molecule. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 093118	3-4	22
159	Zero-field kondo splitting and quantum-critical transition in double quantum dots. <i>Physical Review Letters</i> , <b>2006</b> , 97, 096603	7-4	81
158	Charge-density excitations in a quasi-one-dimensional electron gas with spin-orbit interactions: Zero magnetic field. <i>Physical Review B</i> , <b>2006</b> , 73,	3-3	7
157	Plasmon excitations in a two-dimensional electron gas with spin-orbit interactions: Zero magnetic field. <i>Physical Review B</i> , <b>2006</b> , 73,	3-3	17
156	Strong spin relaxation length dependence on electric field gradients. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 4259-4262		
155	Impurity effects in the optical absorption of quantum rings. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2006</b> , 32, 37-40	3	1
154	Spin injection and accumulation in inhomogeneous semiconductors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2006</b> , 32, 412-415	3	3
153	Kondo regime of a quantum dot molecule: A finite-U slave boson approach. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2006</b> , 34, 608-611	3	15
152	Photocurrent and spin manipulation in quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2006</b> , 34, 333-335	3	1
151	Spin relaxation and g-factor manipulation in quantum dots. <i>Brazilian Journal of Physics</i> , <b>2006</b> , 36, 443-446.2		2
150	Decoherence of rabi oscillations in a single quantum dot. <i>Physical Review Letters</i> , <b>2005</b> , 94, 057404	7-4	91
149	Landau level mixing by full spin-orbit interactions. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	26
148	Level structure and spin-orbit effects in quasi-one-dimensional semiconductor nanostructures. <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	26
147	Multichannel field-effect spin-barrier selector: Spin-carrier dynamics under full spin-orbit coupling. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	9

146	Spin carrier dynamics under full spin-orbit coupling. <i>Microelectronics Journal</i> , <b>2005</b> , 36, 480-483	1.8	2
145	Damping of coherent oscillations in a quantum dot photodiode. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2005</b> , 26, 337-341	3	2
144	Charge qubits and limitations of electrostatic quantum gates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2005</b> , 26, 342-346	3	
143	Photocurrent oscillations in a quantum dot photodiode. <i>Solid State Communications</i> , <b>2005</b> , 134, 33-35	1.6	1
142	Spin Filter Effect in a Parallel Double Quantum Dot. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2005</b> , 18, 233-239		2
141	Spin and charge polarization in quantum dot arrays. <i>Physica Status Solidi (B): Basic Research</i> , <b>2005</b> , 242, 1214-1218	1.3	1
140	AC-Stark effect in a semi-spherical quantum dot. <i>Physica Status Solidi (B): Basic Research</i> , <b>2005</b> , 242, 1820-1823	1.3	6
139	Symmetries and anisotropies of the electronic states within full spin-orbit coupling. <i>Physica Status Solidi (B): Basic Research</i> , <b>2005</b> , 242, 1788-1792	1.3	1
138	Spin polarized photocurrent from a single quantum dot. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	3
137	Anisotropic electron g factor in quantum dots with spin-orbit interaction. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	28
136	Quasiballistic, nonequilibrium electron distribution in inhomogeneous semiconductor structures. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 253103	3.4	4
135	Dynamic polarization tunneling: A spin filtering mechanism. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	17
134	Phonon Rabi-assisted tunneling in diatomic molecules. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	2
133	Polarization and Aharonov-Bohm oscillations in quantum-ring magnetoexcitons. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	32
132	Oscillatory spin relaxation rates in quantum dots. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	29
131	Local density of states in parabolic quantum corrals. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	4
130	Extended states in disordered systems: Role of off-diagonal correlations. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	44
129	Selective coherent destruction of tunneling in a quantum-dot array. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	43



128	Spatially resolved manipulation of single electrons in quantum dots using a scanned probe. <i>Physical Review Letters</i> , <b>2004</b> , 93, 216801	7.4	94
127	Coherent state monitoring in quantum dots. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	8
126	Spin-orbit coupling and intrinsic spin mixing in quantum dots. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	66
125	Charge qubits and limitations of electrostatic quantum gates. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	7
124	Impurity effects on the Aharonov-Bohm optical signatures of neutral quantum-ring magnetoexcitons. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	57
123	Aharonov-Bohm phase as quantum gate in two-electron charge qubits. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	2
122	Spin-orbit coupling and magnetic spin states in cylindrical quantum dots. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 825, G4.6.1		
121	Structural and dynamical disorder and charge transport in DNA. <i>Microelectronics Journal</i> , <b>2004</b> , 35, 23-26	1.8	16
120	Modeling of Transport Through Submicron Semiconductor Structures: A Direct Solution to the Coupled Poisson-Boltzmann Equations. <i>Journal of Computational Electronics</i> , <b>2004</b> , 3, 215-219	1.8	6
119	Magnetic field and dissipation effects on the charge polarization in quantum cellular automata. <i>IEEE Nanotechnology Magazine</i> , <b>2004</b> , 3, 37-41	2.6	6
118	Magnetic-field-dependent transmission phase of a double-dot system in a quantum ring. <i>Physical Review Letters</i> , <b>2004</b> , 93, 066802	7.4	73
117	Coherent control of tunneling in a quantum dot molecule. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	202
116	Spin-orbit and electronic interactions in narrow-gap quantum dots. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	39
115	Transport signatures of correlated disorder in a two-dimensional electron gas. <i>Europhysics Letters</i> , <b>2003</b> , 61, 674-680	1.6	5
114	Electron dynamics in quantum wells under tilted magnetic field and intense AC field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2003</b> , 18, 157-158	3	
113	Potential landscapes and induced charges near metallic islands in three dimensions. <i>Physical Review E</i> , <b>2003</b> , 68, 056707	2.4	14
112	Preface: phys. stat. sol. (b) 230/2/2002. <i>Physica Status Solidi (B): Basic Research</i> , <b>2002</b> , 230, 307-308	1.3	
111	Transport signatures for correlated disorder in self-assembled InAs quantum dots on GaAs. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 12, 591-594	3	

110	Magnetoexcitons in quantum-ring structures: a novel magnetic interference effect. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 12, 790-793	3	14
109	Kondo effect in a two-level quantum dot coupled to an external fermionic reservoir. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 12, 819-822	3	2
108	Excitons in quantum-ring structures in a magnetic field: optical properties and persistent currents. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 13, 297-300	3	29
107	Random 1D structures as filters for electrical and optical signals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 13, 695-698	3	33
106	Holstein polarons in a strong electric field: Delocalized and stretched states. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	7
105	Nonperturbative electron dynamics in crossed fields. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	17
104	Polarons with a twist. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	35
103	Lateral superlattices on parabolic quantum wells. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	5
102	First-principles calculations of the structural and electronic properties of the ScN(001) surface. <i>Physical Review B</i> , <b>2002</b> , 65,	3-3	37
101	Delocalization of Wannier-Stark ladders by phonons: Tunneling and stretched polarons. <i>Europhysics Letters</i> , <b>2002</b> , 58, 857-863	1.6	3
100	Quantum dynamics, dissipation, and asymmetry effects in quantum dot arrays. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	16
99	Polarized excitons in nanorings and the optical Aharonov-Bohm effect. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	168
98	Electronic states and tunneling times in coupled self-assembled quantum dots. <i>Superlattices and Microstructures</i> , <b>2001</b> , 30, 279-285	2.8	1
97	Kondo and mixed-valence regimes in multilevel quantum dots. <i>Physical Review B</i> , <b>2001</b> , 63,	3-3	9
96	Interaction potential between dynamic dipoles: Polarized excitons in strong magnetic fields. <i>Physical Review B</i> , <b>2001</b> , 64,	3-3	24
95	Electronic states in a cylindrical quantum lens: quantum chaos for decreasing system symmetry. <i>Physical Review E</i> , <b>2001</b> , 64, 056237	2.4	7
94	Mobility edge in aperiodic Kronig-Penney potentials with correlated disorder: Perturbative approach. <i>Physical Review B</i> , <b>2001</b> , 63,	3-3	102
93	Electronic states in a quantum lens. <i>Physical Review B</i> , <b>2001</b> , 63,	3-3	40

92	Magnetic field effects on quantum ring excitons. <i>Physical Review B</i> , <b>2001</b> , 63,	3-3	98
91	Decoherence Effects in Arrays of Coupled Quantum Dots. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 642, 1121		
90	Quantum Dot Cell Coupled to a Single Mode Quantum Cavity. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 642, 311		
89	Dynamic behavior of asymmetric quantum dot cells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2000</b> , 6, 428-431	3	8
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