

Sergio E Ulloa

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253
papers

4,369
citations

32
h-index

53
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267
ext. papers

4,686
ext. citations

3.5
avg, IF

5.57
L-index

#	Paper	IF	Citations
253	Coherent control of tunneling in a quantum dot molecule. <i>Physical Review B</i> , 2004 , 69,	3.3	202
252	Polarized excitons in nanorings and the optical Aharonov-Bohm effect. <i>Physical Review B</i> , 2002 , 66,	3.3	168
251	All-electric quantum point contact spin-polarizer. <i>Nature Nanotechnology</i> , 2009 , 4, 759-64	28.7	129
250	Mobility edge in aperiodic Kronig-Penney potentials with correlated disorder: Perturbative approach. <i>Physical Review B</i> , 2001 , 63,	3.3	102
249	Magnetic field effects on quantum ring excitons. <i>Physical Review B</i> , 2001 , 63,	3.3	98
248	Spatially resolved manipulation of single electrons in quantum dots using a scanned probe. <i>Physical Review Letters</i> , 2004 , 93, 216801	7.4	94
247	Decoherence of Rabi oscillations in a single quantum dot. <i>Physical Review Letters</i> , 2005 , 94, 057404	7.4	91
246	Acceptor binding energies in GaN and AlN. <i>Physical Review B</i> , 1998 , 58, 3879-3887	3.3	83
245	Zero-field Kondo splitting and quantum-critical transition in double quantum dots. <i>Physical Review Letters</i> , 2006 , 97, 096603	7.4	81
244	Ballistic transport in a novel one-dimensional superlattice. <i>Physical Review B</i> , 1990 , 41, 12350-12353	3.3	79
243	Selection rules for transport excitation spectroscopy of few-electron quantum dots. <i>Physical Review Letters</i> , 1995 , 74, 1194-1197	7.4	78
242	Spatially extended Kondo state in magnetic molecules induced by interfacial charge transfer. <i>Physical Review Letters</i> , 2010 , 105, 106601	7.4	77
241	Magnetic-field-dependent transmission phase of a double-dot system in a quantum ring. <i>Physical Review Letters</i> , 2004 , 93, 066802	7.4	73
240	Spin-orbit coupling and intrinsic spin mixing in quantum dots. <i>Physical Review B</i> , 2004 , 69,	3.3	66
239	Structural, electronic, and vibrational properties of diamond (100), (111), and (110) surfaces from ab initio calculations. <i>Physical Review B</i> , 1995 , 51, 14669-14685	3.3	66
238	Phonon modes of diamond (100) surfaces from ab initio calculations. <i>Physical Review B</i> , 1995 , 51, 1989-1992	3.3	63
237	Impurity effects on the Aharonov-Bohm optical signatures of neutral quantum-ring magnetoexcitons. <i>Physical Review B</i> , 2004 , 70,	3.3	57

236	Extended states in disordered systems: Role of off-diagonal correlations. <i>Physical Review B</i> , 2004 , 69,	3-3	44
235	Geometrical-confinement effects on excitons in quantum disks. <i>Physical Review B</i> , 1995 , 52, 9015-9022	3-3	44
234	Selective coherent destruction of tunneling in a quantum-dot array. <i>Physical Review B</i> , 2004 , 70,	3-3	43
233	Enhancement of the Kondo effect through Rashba spin-orbit interactions. <i>Physical Review Letters</i> , 2012 , 108, 046601	7-4	41
232	Rashba spin-orbit interaction and birefringent electron optics in graphene. <i>Physical Review B</i> , 2013 , 87,	3-3	40
231	Electronic states in a quantum lens. <i>Physical Review B</i> , 2001 , 63,	3-3	40
230	Spin-orbit and electronic interactions in narrow-gap quantum dots. <i>Physical Review B</i> , 2004 , 70,	3-3	39
229	Exciton-induced lattice relaxation and the electronic and vibrational spectra of silicon clusters. <i>Physical Review B</i> , 1996 , 53, 8042-8051	3-3	39
228	Tunneling and optical control in quantum ring molecules. <i>Physical Review B</i> , 2007 , 76,	3-3	37
227	First-principles calculations of the structural and electronic properties of the ScN(001) surface. <i>Physical Review B</i> , 2002 , 65,	3-3	37
226	A chiral molecular propeller designed for unidirectional rotations on a surface. <i>Nature Communications</i> , 2019 , 10, 3742	17-4	36
225	Kondo regime in triangular arrangements of quantum dots: Molecular orbitals, interference, and contact effects. <i>Physical Review B</i> , 2009 , 80,	3-3	35
224	Polarons with a twist. <i>Physical Review B</i> , 2002 , 66,	3-3	35
223	Many-body electronic structure and Kondo properties of cobalt-porphyrin molecules. <i>Physical Review B</i> , 2009 , 80,	3-3	34
222	Random 1D structures as filters for electrical and optical signals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 695-698	3	33
221	Spin-orbit interaction and isotropic electronic transport in graphene. <i>Physical Review Letters</i> , 2014 , 112, 136602	7-4	32
220	Emergence of photoswitchable states in a graphene-azobenzene-Au platform. <i>Nano Letters</i> , 2014 , 14, 6823-7	11-5	32
219	Helicoidal fields and spin polarized currents in carbon nanotube-DNA hybrids. <i>Physical Review Letters</i> , 2012 , 108, 126601	7-4	32

218	Polarization and Aharonov-Bohm oscillations in quantum-ring magnetoexcitons. <i>Physical Review B</i> , 2005 , 72,	3-3	32
217	Hydrocarbon adsorption on a diamond (100) stepped surface. <i>Physical Review B</i> , 1994 , 49, 4948-4953	3-3	32
216	Molecular-dynamics simulations of methyl-radical deposition on diamond (100) surfaces. <i>Physical Review B</i> , 1993 , 48, 12235-12239	3-3	31
215	Strain and crystallographic orientation effects on the valence subbands of wurtzite quantum wells. <i>Physical Review B</i> , 2000 , 62, 2562-2572	3-3	30
214	Edge states in dichalcogenide nanoribbons and triangular quantum dots. <i>Physical Review B</i> , 2016 , 93,	3-3	29
213	Currents and pseudomagnetic fields in strained graphene rings. <i>Physical Review B</i> , 2013 , 87,	3-3	29
212	Excitons in quantum-ring structures in a magnetic field: optical properties and persistent currents. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 297-300	3	29
211	Oscillatory spin relaxation rates in quantum dots. <i>Physical Review B</i> , 2005 , 72,	3-3	29
210	Ordered Hamiltonian and matching conditions for heterojunctions with wurtzite symmetry: GaN/Al _x Ga _{1-x} N quantum wells. <i>Physical Review B</i> , 1999 , 60, 13659-13667	3-3	29
209	Electronic states and collective excitations of a two-dimensional electron gas in a unidirectional magnetic-field modulation. <i>Physical Review B</i> , 1993 , 47, 7182-7186	3-3	29
208	Anisotropic electron g factor in quantum dots with spin-orbit interaction. <i>Physical Review B</i> , 2005 , 71,	3-3	28
207	Zeeman splitting of shallow donors in GaN. <i>Applied Physics Letters</i> , 1999 , 74, 248-250	3-4	28
206	Depletion regions and electronic surface states in doped semiconductor superlattices. <i>Physical Review B</i> , 1988 , 38, 2063-2067	3-3	28
205	Multiple branches of acoustic plasma oscillations in thin wires. <i>Journal of Physics C: Solid State Physics</i> , 1983 , 16, L995-L1003		27
204	Spin-polarized conductance in double quantum dots: Interplay of Kondo, Zeeman, and interference effects. <i>Physical Review B</i> , 2013 , 87,	3-3	26
203	Coherent control of indirect excitonic qubits in optically driven quantum dot molecules. <i>Physical Review B</i> , 2010 , 82,	3-3	26
202	Suppression of Kondo screening by the Dicke effect in multiple quantum dots. <i>Physical Review B</i> , 2010 , 82,	3-3	26
201	Two-subband quantum Hall effect in parabolic quantum wells. <i>Physical Review B</i> , 2006 , 74,	3-3	26

200	Landau level mixing by full spin-orbit interactions. <i>Physical Review B</i> , 2005 , 72,	3-3	26
199	Level structure and spin-orbit effects in quasi-one-dimensional semiconductor nanostructures. <i>Physical Review B</i> , 2005 , 71,	3-3	26
198	Mass inversion in graphene by proximity to dichalcogenide monolayer. <i>Physical Review B</i> , 2016 , 94,	3-3	26
197	Symmetry-breaking effects on spin and electronic transport in graphene. <i>Physical Review B</i> , 2015 , 91,	3-3	24
196	Finite-temperature conductance signatures of quantum criticality in double quantum dots. <i>Physical Review B</i> , 2008 , 78,	3-3	24
195	Interaction potential between dynamic dipoles: Polarized excitons in strong magnetic fields. <i>Physical Review B</i> , 2001 , 64,	3-3	24
194	Tunable Spin-Polarized Edge Currents in Proximitized Transition Metal Dichalcogenides. <i>Physical Review Letters</i> , 2019 , 122, 086401	7-4	22
193	Interchain coupling induced localization/delocalization in coupled one-dimensional ordered and disordered chains. <i>Physical Review B</i> , 2010 , 81,	3-3	22
192	Tunable pseudogap Kondo effect and quantum phase transitions in Aharonov-Bohm interferometers. <i>Physical Review Letters</i> , 2009 , 102, 166806	7-4	22
191	Spin Hall effect in two-dimensional p-type semiconductors in a magnetic field. <i>Physical Review B</i> , 2006 , 73,	3-3	22
190	Bipolar spin filter in a quantum dot molecule. <i>Applied Physics Letters</i> , 2006 , 88, 093118	3-4	22
189	Resonant Raman scattering in self-assembled quantum dots. <i>Physical Review B</i> , 1999 , 60, 16747-16757	3-3	22
188	First-principles studies of hydrogenated Si(111)-7 x 7. <i>Physical Review B</i> , 1996 , 54, 8028-8032	3-3	22
187	Spin polarization control via magnetic barriers and spin-orbit effects. <i>Physical Review B</i> , 2008 , 78,	3-3	21
186	Magnetic-field and quantum confinement asymmetry effects on excitons. <i>Physical Review B</i> , 2000 , 61, 2128-2137	3-3	21
185	Localized states in a strong magnetic field: Resonant scattering and the Dicke effect. <i>Physical Review B</i> , 1998 , 57, 6642-6653	3-3	21
184	Kondo screening suppression by spin-orbit interaction in quantum dots. <i>Physical Review B</i> , 2009 , 80,	3-3	20
183	Hybridization and anisotropy in the exchange interaction in three-dimensional Dirac semimetals. <i>Physical Review B</i> , 2016 , 93,	3-3	18

182	Thermoelectric transport through Majorana bound states and violation of Wiedemann-Franz law. <i>Physical Review B</i> , 2016 , 94,	3.3	18
181	Tunable exciton relaxation in vertically coupled semiconductor InAs quantum dots. <i>Physical Review B</i> , 2011 , 84,	3.3	18
180	Lateral heterostructures and one-dimensional interfaces in 2D transition metal dichalcogenides. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 213001	1.8	17
179	Kondo effect in graphene with Rashba spin-orbit coupling. <i>Physical Review B</i> , 2014 , 90,	3.3	17
178	RKKY interaction and intervalley processes in p-doped transition-metal dichalcogenides. <i>Physical Review B</i> , 2014 , 90,	3.3	17
177	Lateral spin-orbit interaction and spin polarization in quantum point contacts. <i>Physical Review B</i> , 2010 , 81,	3.3	17
176	Dynamics of two interacting particles in classical billiards. <i>Physical Review E</i> , 1997 , 55, R6319-R6322	2.4	17
175	Plasmon excitations in a two-dimensional electron gas with spin-orbit interactions: Zero magnetic field. <i>Physical Review B</i> , 2006 , 73,	3.3	17
174	Dynamic polarization tunneling: A spin filtering mechanism. <i>Physical Review B</i> , 2005 , 72,	3.3	17
173	Nonperturbative electron dynamics in crossed fields. <i>Physical Review B</i> , 2002 , 66,	3.3	17
172	Structural and dynamical disorder and charge transport in DNA. <i>Microelectronics Journal</i> , 2004 , 35, 23-26	1.8	16
171	Quantum dynamics, dissipation, and asymmetry effects in quantum dot arrays. <i>Physical Review B</i> , 2002 , 66,	3.3	16
170	Collective excitations of a two-dimensional electron gas in a two-dimensional magnetic-field modulation. <i>Physical Review B</i> , 1993 , 47, 10028-10031	3.3	16
169	Infrared-active excitations in tunneling superlattices and d-parameter theory. <i>Physical Review B</i> , 1991 , 43, 9865-9878	3.3	16
168	Nonlinear transport in ballistic quantum chains. <i>Physical Review B</i> , 1990 , 42, 3753-3756	3.3	16
167	Nonlinear theory of domain walls and the anomalies of intercalation kinetics. <i>Physical Review Letters</i> , 1985 , 55, 218-221	7.4	16
166	Proximity-induced topological phases in bilayer graphene. <i>Physical Review B</i> , 2018 , 97,	3.3	15
165	Kondo regime of a quantum dot molecule: A finite-U slave boson approach. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 34, 608-611	3	15

164	Dielectric function and collective modes of two-dimensional interacting bosons. <i>Physical Review B</i> , 1994 , 50, 8715-8721	3.3	15
163	Electronic levels and collective excitations in a two-dimensional system with a spatial magnetic field modulation. <i>Solid State Communications</i> , 1992 , 82, 945-949	1.6	15
162	Symmetries and hybridization in the indirect interaction between magnetic moments in MoS ₂ nanoflakes. <i>Physical Review B</i> , 2016 , 94,	3.3	15
161	Coulomb drag in mesoscopic rings. <i>Physical Review B</i> , 1997 , 55, 13702-13706	3.3	14
160	Spin-orbit coupling and the singlet-triplet transition in lateral double quantum dots. <i>Physical Review B</i> , 2008 , 78,	3.3	14
159	ac-field-controlled localization-delocalization transition in a one-dimensional disordered system. <i>Physical Review B</i> , 2006 , 74,	3.3	14
158	Magnetoexcitons in quantum-ring structures: a novel magnetic interference effect. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 12, 790-793	3	14
157	Potential landscapes and induced charges near metallic islands in three dimensions. <i>Physical Review E</i> , 2003 , 68, 056707	2.4	14
156	Correlation and symmetry effects in transport through an artificial molecule. <i>Physical Review B</i> , 1999 , 59, 5717-5727	3.3	14
155	Novel electron tunneling behavior at staging dislocations and the residual resistance of graphite intercalation compounds. <i>Physical Review Letters</i> , 1986 , 56, 2537-2540	7.4	14
154	Influence of Rashba spin-orbit coupling on the Kondo effect. <i>Physical Review B</i> , 2016 , 93,	3.3	13
153	Minimal geometry for valley filtering in graphene. <i>Physical Review B</i> , 2017 , 96,	3.3	13
152	Signatures of quantum phase transitions in parallel quantum dots: Crossover from local moment to underscreened spin-1 Kondo physics. <i>Physical Review B</i> , 2012 , 85,	3.3	13
151	Extended coherent exciton states in quantum dot arrays. <i>Applied Physics Letters</i> , 2006 , 88, 043110	3.4	13
150	Anisotropic optical response of the diamond (111)-2 x 1 surface. <i>Physical Review B</i> , 1996 , 53, 13138-13145	3.3	13
149	Lateral interfaces of transition metal dichalcogenides: A stable tunable one-dimensional physics platform. <i>Physical Review B</i> , 2019 , 99,	3.3	13
148	First-principles calculations of optical properties: Application to silicon clusters. <i>Physical Review B</i> , 1997 , 56, 9719-9725	3.3	12
147	Level statistics and interactions in a two-dimensional quantum dot. <i>Superlattices and Microstructures</i> , 1997 , 21, 21-28	2.8	12

146	Spin relaxation rates in quasi-one-dimensional coupled quantum dots. <i>Physical Review B</i> , 2006 , 74,	3-3	12
145	Spin polarized photocurrent from quantum dots. <i>Physical Review B</i> , 2007 , 75,	3-3	12
144	Topological phases and twisting of graphene on a dichalcogenide monolayer. <i>Physical Review B</i> , 2018 , 98,	3-3	12
143	Noncollinear exchange interaction in transition metal dichalcogenide edges. <i>Physical Review B</i> , 2016 , 93,	3-3	11
142	Charge transport in DNA molecules: Cooperative interplay between the disordered base-pair channel and the ordered backbone. <i>Physical Review E</i> , 2009 , 80, 051901	2-4	11
141	Resonant Scattering in a Strong Magnetic Field: Exact Density of States. <i>Physical Review Letters</i> , 1997 , 79, 3478-3481	7-4	11
140	Nonlinear theory of domain walls and domain effective interactions in intercalation compounds. <i>Physical Review B</i> , 1986 , 33, 1360-1371	3-3	11
139	Novel surface states and the quantum Hall effect in an anisotropic three-dimensional system. <i>Physical Review Letters</i> , 1986 , 57, 2991-2994	7-4	11
138	Exchange interaction and tunneling-induced transparency in coupled quantum dots. <i>Physical Review B</i> , 2014 , 90,	3-3	10
137	Electron interactions, classical integrability, and level statistics in quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1997 , 1, 274-280	3	10
136	Electron-phonon interaction in double-barrier resonant tunneling. <i>Physical Review B</i> , 1991 , 44, 13148-13151	3-3	10
135	Berry phase and Rashba fields in quantum rings in tilted magnetic field. <i>Physical Review B</i> , 2015 , 92,	3-3	9
134	Faster energy-transfer signatures in optically driven quantum dot molecules. <i>Physical Review B</i> , 2009 , 79,	3-3	9
133	Dynamical magnetic anisotropy and quantum phase transitions in a vibrating spin-1 molecular junction. <i>Physical Review B</i> , 2012 , 86,	3-3	9
132	Dias da Silva et al. Reply:. <i>Physical Review Letters</i> , 2007 , 99,	7-4	9
131	Multichannel field-effect spin-barrier selector: Spin-carrier dynamics under full spin-orbit coupling. <i>Physical Review B</i> , 2005 , 72,	3-3	9
130	Kondo and mixed-valence regimes in multilevel quantum dots. <i>Physical Review B</i> , 2001 , 63,	3-3	9
129	Wannier states and optical transitions in a diatomic semiconductor superlattice. <i>Journal of Applied Physics</i> , 1995 , 78, 2541-2546	2-5	9

128	Conductance oscillations due to a controllable impurity in a quantum box. <i>Journal of Applied Physics</i> , 1994 , 76, 4676-4681	2.5	9
127	Anomalous Kondo resonance mediated by semiconducting graphene nanoribbons in a molecular heterostructure. <i>Nature Communications</i> , 2017 , 8, 946	17.4	8
126	Conductance and Kondo Interference beyond Proportional Coupling. <i>Physical Review Letters</i> , 2017 , 119, 116801	7.4	8
125	Coherent state monitoring in quantum dots. <i>Physical Review B</i> , 2004 , 70,	3.3	8
124	Dynamic behavior of asymmetric quantum dot cells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 6, 428-431	3	8
123	Far-infrared absorption in parallel quantum wires with weak tunneling. <i>Physical Review B</i> , 1996 , 54, 16749-16756	4.3	8
122	Electronic modes and infrared optical excitation in tunneling superlattices. <i>Physical Review B</i> , 1990 , 41, 5467-5470	3.3	8
121	Electronic structure of staging dislocations, electron scattering states, and the residual resistance of graphite intercalation compounds. <i>Physical Review B</i> , 1987 , 35, 795-805	3.3	8
120	Sublattice symmetry breaking and Kondo-effect enhancement in strained graphene. <i>Physical Review B</i> , 2019 , 99,	3.3	7
119	Detecting coupling of Majorana bound states with an Aharonov-Bohm interferometer. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 045301	1.8	7
118	Long range of indirect exchange interaction on the edges of MoS flakes. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 045801	1.8	7
117	Quantum manipulation via atomic-scale magnetoelectric effects. <i>Nano Letters</i> , 2012 , 12, 13-6	11.5	7
116	Spatial correlations in chaotic nanoscale systems with spin-orbit coupling. <i>Physical Review B</i> , 2011 , 84,	3.3	7
115	Crossover from diffusive to quasi-ballistic transport. <i>Journal of Applied Physics</i> , 2007 , 101, 033711	2.5	7
114	Charge-density excitations in a quasi-one-dimensional electron gas with spin-orbit interactions: Zero magnetic field. <i>Physical Review B</i> , 2006 , 73,	3.3	7
113	Charge qubits and limitations of electrostatic quantum gates. <i>Physical Review A</i> , 2004 , 70,	2.6	7
112	Holstein polarons in a strong electric field: Delocalized and stretched states. <i>Physical Review B</i> , 2002 , 66,	3.3	7
111	Electronic states in a cylindrical quantum lens: quantum chaos for decreasing system symmetry. <i>Physical Review E</i> , 2001 , 64, 056237	2.4	7

110	Local-basis quasiparticle calculations and the dielectric response function of Si clusters. <i>Physical Review B</i> , 2000 , 61, 2626-2631	3.3	7
109	Structure of diamond(100) stepped surfaces from ab initio calculations. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 641-647	1.8	7
108	Wavelength-dependent dielectric function of a thin semiconductor film. <i>Journal of Physics C: Solid State Physics</i> , 1984 , 17, 2239-2247		7
107	Study of the correlated walks with reflecting walls. <i>Journal of Chemical Physics</i> , 1982 , 76, 601-608	3.9	7
106	Strain fields and electronic structure of antiferromagnetic CrN. <i>Physical Review B</i> , 2017 , 96,	3.3	6
105	Capacitive interactions and Kondo effect tuning in double quantum impurity systems. <i>Physical Review B</i> , 2014 , 90,	3.3	6
104	Tunability of qubit Coulomb interaction: Numerical analysis of top-gate depletion in two-dimensional electron systems. <i>Physical Review B</i> , 2006 , 74,	3.3	6
103	Modeling of Transport Through Submicron Semiconductor Structures: A Direct Solution to the Coupled Poisson-Boltzmann Equations. <i>Journal of Computational Electronics</i> , 2004 , 3, 215-219	1.8	6
102	Magnetic field and dissipation effects on the charge polarization in quantum cellular automata. <i>IEEE Nanotechnology Magazine</i> , 2004 , 3, 37-41	2.6	6
101	AC-Stark effect in a semi-spherical quantum dot. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 1820-1823	1.8	6
100	Frequency-dependent magnetotransport and particle dynamics in magnetic modulation systems. <i>Physical Review B</i> , 1999 , 59, 2824-2832	3.3	6
99	Size dependence of the optical properties of silicon clusters. <i>Superlattices and Microstructures</i> , 1996 , 20, 405-410	2.8	6
98	Collective excitations and inelastic electron scattering in semiconductor superlattices. <i>Physical Review B</i> , 1993 , 48, 14407-14415	3.3	6
97	Surface superlattice in Ag-intercalated TaS ₂ . <i>Physical Review B</i> , 1992 , 45, 14415-14418	3.3	6
96	Spin-orbit effects on two-electron states in nanowhisker double quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1577-1582	3	5
95	The remote Wigner polaron in a two-dimensional electron system. <i>Europhysics Letters</i> , 1997 , 40, 551-556	1.6	5
94	Transport signatures of correlated disorder in a two-dimensional electron gas. <i>Europhysics Letters</i> , 2003 , 61, 674-680	1.6	5
93	Lateral superlattices on parabolic quantum wells. <i>Physical Review B</i> , 2002 , 66,	3.3	5

92	The remote plasmon polaron. <i>Europhysics Letters</i> , 1999 , 45, 235-241	1.6	5
91	Simulation of hyperthermal deposition of Si and C on SiC surfaces. <i>Applied Physics Letters</i> , 1999 , 74, 55-57.4	3.4	5
90	Charging effects and increasing transparency in double-barrier structures. <i>Physical Review B</i> , 1995 , 51, 10875-10879	3.3	5
89	Coulomb effects in artificial molecules. <i>Superlattices and Microstructures</i> , 1996 , 20, 523-529	2.8	5
88	Collective modes in tunneling quantum-dot arrays. <i>Physical Review B</i> , 1993 , 48, 11987-11990	3.3	5
87	Electroconductance oscillations and quantum interference in ballistic nanostructures. <i>Physical Review B</i> , 1993 , 47, 9948-9951	3.3	5
86	Miniband-gap optical excitations in doped semiconductor superlattices. <i>Solid State Communications</i> , 1989 , 71, 643-647	1.6	5
85	Surface resonant levels in semiconductor superlattices. <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 7137-7142	1.8	5
84	The Effects of Substrates on 2D Crystals 2016 , 67-113		5
83	Negative differential resistance observed on the charge density wave of a transition metal dichalcogenide. <i>Nanoscale</i> , 2019 , 11, 22351-22358	7.7	5
82	Magnetic-field-induced mixed-level Kondo effect in two-level systems. <i>Physical Review B</i> , 2016 , 94,	3.3	4
81	Quantum phase transitions into Kondo states in bilayer graphene. <i>Physical Review B</i> , 2014 , 89,	3.3	4
80	Single-atom gating and magnetic interactions in quantum corrals. <i>Physical Review B</i> , 2017 , 95,	3.3	4
79	Oscillatory acoustic phonon relaxation of excitons in quantum dot molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, A146	1.7	4
78	Effect of interactions on the integrability and level statistics of two particles in an infinite quantum well. <i>Physica B: Condensed Matter</i> , 1998 , 249-251, 224-227	2.8	4
77	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> , 2007 , 244, 4427-4430	1.3	4
76	Transmission in double quantum dots in the Kondo regime: Quantum-critical transitions and interference effects. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1002-1005	3	4
75	Spin polarization control in semiconductors by electric-field gradients. <i>Physical Review B</i> , 2006 , 74,	3.3	4

74	Local density of states in parabolic quantum corrals. <i>Physical Review B</i> , 2004 , 69,	3.3	4
73	Quasiballistic, nonequilibrium electron distribution in inhomogeneous semiconductor structures. <i>Applied Physics Letters</i> , 2005 , 86, 253103	3.4	4
72	Quasi-one-dimensional excitons in lateral surface-induced superlattices. <i>Physical Review B</i> , 2000 , 61, 13099-13103	3.3	4
71	Coulomb coupling and the role of symmetries in quantum-dot arrays for cellular automata. <i>Physical Review B</i> , 2000 , 62, 1912-1920	3.3	4
70	Quantum electronic interferometer without a potential barrier. <i>Journal of Applied Physics</i> , 1993 , 74, 5892-5894		
69	Collective electronic excitations in C60 crystals. <i>Physical Review B</i> , 1994 , 49, 7825-7828	3.3	4
68	Electronic correlations and the non-linear conductance of quantum dots. <i>Superlattices and Microstructures</i> , 1994 , 15, 269	2.8	4
67	Superconductivity in slender structures. <i>Superconductor Science and Technology</i> , 1989 , 1, 352-359	3.1	4
66	Electronic states of doped semiconductor superlattices in magnetic and electric fields. <i>Physical Review B</i> , 1988 , 37, 8337-8345	3.3	4
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