Bartlomiej Szafran

List of Publications by Year
in descending order

174	3,075	172457	206112
papers	citations	29 h-index	48 g-index

181	181	181	1316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aharonov-Bohm oscillations in phosphorene quantum rings: Mass anisotropy compensation by confinement potential. Physical Review B, 2022, 105, .	3.2	11
2	Nagaoka spin-valley ordering in silicene quantum dots. Physical Review B, 2021, 103, .	3.2	1
3	Effective LandÃ© factors for an electrostatically defined quantum point contact in silicene. Scientific Reports, 2021, 11, 19892.	3.3	0
4	Annular confinement for electrons on liquid helium. Physical Review B, 2021, 104, .	3.2	3
5	Controllable spin filtering and half-metallicity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Î²</mml:mi><mml:mn>12</mml:mn></mml:msub></mml -borophene nanoribbons. Physical Review B, 2021, 104, .	3.2	8
6	Fast evaluation of interaction integrals for confined systems with machine learning. Physical Review B, 2020, 102, .	3.2	0
7	Electrostatic quantum dot confinement in phosphorene. Physical Review B, 2020, 101, .	3.2	7
8	Aharonov-Bohm oscillations of four-probe resistance in topological quantum rings in silicene and bilayer graphene. Physical Review B, 2020, 101, .	3.2	4
9	Persistent currents in topological and trivial confinement in silicene. Physical Review B, 2020, 101, .	3.2	3
10	Paired electron motion in interacting chains of quantum dots. Physical Review B, 2020, 101, .	3.2	10
11	Topologically protected wave packets and quantum rings in silicene. Physical Review B, 2019, 100, .	3.2	5
12	Electron interferometry and quantum spin Hall phase in silicene. Physical Review B, 2019, 99, .	3.2	5
13	Finite-difference method for Dirac electrons in circular quantum dots. Physical Review B, 2019, 99, .	3.2	4
14	Electrical control of a confined electron spin in a silicene quantum dot. Physical Review B, 2018, 97, .	3.2	7
15	Imaging spin-resolved cyclotron trajectories in the InSb two-dimensional electron gas. Physical Review B, 2018, 98, .	3.2	2
16	Spin and valley control in single and double electrostatic silicene quantum dots. Physical Review B, 2018, 98, .	3.2	7
17	Aharonov-Bohm conductance oscillations and current equilibration in local <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi><mml:mo>â^'</mml:mo><mml:mi>p</mml: junctions in graphene. Physical Review B, 2018, 98, .	3.2	8
18	Circular n-p Junctions in Graphene Nanoribbons. Nanoscience and Technology, 2018, , 559-580.	1.5	0

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19	Spin-active devices based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>graphene</mml:mi><mml:mo>/</mml:mo><mml:msub>< heterostructures. Physical Review B, 2018, 98, .	3.2	5
20	Pauli blockade microscopy of quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 104, 22-28.	2.7	0
21	Electrostatic quantum dots in silicene. Scientific Reports, 2018, 8, 7166.	3.3	15
22	Electron spin inversion in gated silicene nanoribbons. Physical Review B, 2018, 98, .	3.2	18
23	Wannier-Bloch approach to localization in high-order harmonic generation in solids. , 2018, , .		0
24	Imaging snake orbits at graphene <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi><mml:mo>â^'</mml:mo><mml:mi> junctions. Physical Review B, 2017, 95, .	3.2	16
25	Simulation of the Coulomb blockade microscopy of quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 93, 70-77.	2.7	0
26	Driven spin transitions in fluorinated single- and bilayer-graphene quantum dots. Semiconductor Science and Technology, 2017, 32, 065016.	2.0	0
27	Spin-valley dynamics of electrically driven ambipolar carbon-nanotube quantum dots. Journal of Physics Condensed Matter, 2017, 29, 285301.	1.8	4
28	Spin separation and exchange for quantum dots in the Overhauser field. Physical Review B, 2017, 95, .	3.2	1
29	Wannier-Bloch Approach to Localization in High-Harmonics Generation in Solids. Physical Review X, 2017, 7, .	8.9	83
30	Double quantum dots defined in bilayer graphene. Physical Review B, 2017, 96, .	3.2	6
31	Spin-valley resolved photon-assisted tunneling in carbon nanotube double quantum dots. Physical Review B, 2017, 95, .	3.2	5
32	Imaging backscattering in graphene quantum point contacts. Physical Review B, 2017, 96, .	3.2	7
33	Manipulating quantum Hall edge channels in graphene through scanning gate microscopy. Physical Review B, 2017, 96, .	3.2	8
34	Extraction of the Rashba spin-orbit coupling constant from scanning gate microscopy conductance maps for quantum point contacts. Scientific Reports, 2017, 7, 14935.	3.3	1
35	Electron spin inversion in fluorinated graphene nanoribbons. Physical Review B, 2017, 96, .	3.2	5
36	Current Trends in Nanoeducation for Industry and Society. Current Bionanotechnology, 2017, 2, 112-115.	0.6	1

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37	Lorentz force effects for graphene Aharonov-Bohm interferometers. Physical Review B, 2016, 94, .	3.2	15
38	Theory of ballistic quantum transport in the presence of localized defects. Physical Review B, 2016, 94, .	3.2	3
39	Interference features in scanning gate conductance maps of quantum point contacts with disorder. Physical Review B, 2016, 94, .	3.2	26
40	Conductance measurement of spin-orbit coupling in two-dimensional electron systems with an in-plane magnetic field. Physical Review B, 2016, 94, .	3.2	1
41	Transconductance and effective LandÃ© factors for quantum point contacts: Spin-orbit coupling and interaction effects. Physical Review B, 2016, 93, .	3.2	10
42	Aharonov-Bohm interferometer based on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi><mml:mo>â^'</mml:mo><mml:mi>in graphene nanoribbons. Physical Review B, 2016, 93, .	3.2	21
43	Electronic structure of (1e,1h) states of carbon nanotube quantum dots. Physical Review B, 2016, 93, .	3.2	2
44	Interedge backscattering in buried split-gate-defined graphene quantum point contacts. Physical Review B, 2016, 94, .	3.2	13
45	Nanoeducation for Industry and Society. Innovation, Technology and Knowledge Management, 2016, , 93-115.	0.8	0
46	Single-electron shell occupation and effectivegfactor in few-electron nanowire quantum dots. Physical Review B, 2015, 91, .	3.2	2
47	Multitip scanning gate microscopy for ballistic transport studies in systems with a two-dimensional electron gas. Physical Review B, 2015, 91, .	3.2	1
48	Charging graphene nanoribbon quantum dots. Physical Review B, 2015, 92, .	3.2	2
49	Spinâ€“orbit interaction in bent carbon nanotubes: resonant spin transitions. Journal of Physics Condensed Matter, 2015, 27, 435301.	1.8	5
50	Imaging quantum-dot-confined electron density in transition to fractional quantum Hall regime. Semiconductor Science and Technology, 2015, 30, 015020.	2.0	3
51	Two-electronnâ^'pdouble quantum dots in carbon nanotubes. Physical Review B, 2015, 91, .	3.2	4
52	Conductance response of graphene nanoribbons and quantum point contacts in scanning gate measurements. Semiconductor Science and Technology, 2015, 30, 085003.	2.0	9
53	Valence band mixing versus higher harmonic generation in electricâ€“dipole spin resonance. Semiconductor Science and Technology, 2015, 30, 055017.	2.0	0
54	Electron paths and double-slit interference in the scanning gate microscopy. New Journal of Physics, 2015, 17, 063003.	2.9	2

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55	Spin exchange energy for a pair of valence band holes in artificial molecules. Semiconductor Science and Technology, 2014, 29, 115022.	2.0	1
56	Conductance microscopy of quantum dots weakly or strongly coupled to the conducting channel. New Journal of Physics, 2014, 16, 053044.	2.9	3
57	Tight-binding simulations of electrically driven spin-valley transitions in carbon nanotube quantum dots. Physical Review B, 2014, 90, .	3.2	15
58	Imaging of double slit interference by scanning gate microscopy. Physical Review B, 2014, 90, .	3.2	7
59	Wave-function description of conductance mapping for a quantum Hall electron interferometer. Physical Review B, 2014, 89, .	3.2	7
60	Imaging localization of quasibound states in graphene antidots. Physical Review B, 2014, 90, .	3.2	1
61	Optical signatures of valence-band mixing in positive trion recombination spectra of double quantum dots. Physical Review B, 2014, 89, .	3.2	4
62	Interaction effects near constriction of a quasi two-dimensional electron system: an exact diagonalization study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1036-1041.	2.1	4
63	Spontaneous and resonant lifting of the spin blockade in nanowire quantum dots. Physical Review B, 2014, 89, .	3.2	3
64	Signatures of spin-orbit coupling in scanning gate conductance images of electron flow from quantum point contacts. Physical Review B, 2014, 90, .	3.2	14
65	Quantum ring conductance sensitivity to potential perturbation in an external magnetic field. Physical Review B, 2014, 89, .	3.2	1
66	Confined states in quantum dots defined within finite flakes of bilayer graphene: Coupling to the edge, ionization threshold, and valley degeneracy. Physical Review B, 2013, 88, .	3.2	22
67	Simulations of electric-dipole spin resonance for spin-orbit coupled quantum dots in the Overhauser field: Fractional resonances and selection rules. Physical Review B, 2013, 88, .	3.2	14
68	Spin current source based on a quantum point contact with local spin-orbit interaction. Applied Physics Letters, 2013, 103, .	3.3	14
69	Simulations of imaging of the local density of states by a charged probe technique for resonant cavities. Physical Review B, 2013, 88, .	3.2	23
70	Shape of recombination lines for exciton complexes in quantum dots with in-plane electric field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 3179-3183.	2.1	0
71	SchrÃ¶dinger-Poisson calculations for scanning gate microscopy of quantum rings based on etched two-dimensional electron gas. Physical Review B, 2013, 87, .	3.2	11
72	Fractional conductance oscillations in quantum rings: wave packet picture of transport in a few-electron system. Journal of Physics Condensed Matter, 2013, 25, 155802.	1.8	2

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73	Charge density mapping of strongly-correlated few-electron two-dimensional quantum dots by the scanning probe technique. Journal of Physics Condensed Matter, 2013, 25, 335801.	1.8	8
74	Spin-polarization anisotropy in a narrow spin-orbit-coupled nanowire quantum dot. Physical Review B, 2013, 87, .	3.2	24
75	Negative trion emission spectrum in stacked quantum dots: External electric field and valence band mixing. Physical Review B, 2012, 85, .	3.2	7
76	Carrier-carrier inelastic scattering events for spatially separated electrons: Magnetic asymmetry and turnstile electron transfer. Physical Review B, 2012, 85, .	3.2	2
77	Resonant harmonic generation and collective spin rotations in electrically driven quantum dots. Physical Review B, 2012, 86, .	3.2	30
78	Multisubband transport and magnetic deflection of Fermi electron trajectories in three terminal junctions and rings. Journal of Physics Condensed Matter, 2012, 24, 085801.	1.8	7
79	Publisher's Note: Effective spin-orbit interaction Hamiltonian for quasi-one-dimensional quantum rings [Phys. Rev. B85, 165314 (2012)]. Physical Review B, 2012, 85, .	3.2	0
80	Effective spin-orbit interaction Hamiltonian for quasi-one-dimensional quantum rings. Physical Review B, 2012, 85, .	3.2	31
81	Scanning gate microscopy simulations for quantum rings: Effective potential of the tip and conductance maps. Physical Review B, 2011, 84, .	3.2	37
82	Electronic properties of a defected ring-shaped quantum dot array. Journal of Physics Condensed Matter, 2011, 23, 225801.	1.8	1
83	Singlet-triplet avoided crossings and effective<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>g</mml:mi></mml:mrow></mml:math>factor versus spatial orientation of spin-orbit-coupled quantum dots. Physical Review B, 2011, 83, .	3.2	8
84	Fano resonances and electron spin transport through a two-dimensional spin-orbit-coupled quantum ring. Physical Review B, 2011, 84, .	3.2	19
85	Tuning of the spin-orbit interaction in a quantum dot by an in-plane magnetic field. Physical Review B, 2011, 83, .	3.2	29
86	Nanodevice for High Precision Readout of Electron Spin. Acta Physica Polonica A, 2011, 119, 651-653.	0.5	0
87	Spin accumulation and spin read out without magnetic field. Physical Review B, 2010, 82, .	3.2	10
88	Coupling of bonding and antibonding electron orbitals in double quantum dots by spin-orbit interaction. Physical Review B, 2010, 81, .	3.2	7
89	Signatures of antibonding hole ground states in exciton spectra of vertically coupled quantum dots in an electric field. Physical Review B, 2010, 81, .	3.2	16
90	Magnetic forces and localized resonances in electron transfer through quantum rings. Journal of Physics Condensed Matter, 2010, 22, 465801.	1.8	8

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91	Magnetic forces and stationary electron flow in a three-terminal semiconductor quantum ring. Journal of Physics Condensed Matter, 2010, 22, 215801.	1.8	4
92	Tuning Fano resonances by magnetic forces for electron transport through a quantum wire side coupled to a quantum ring. Physical Review B, 2010, 82, .	3.2	9
93	Time-dependent configuration-interaction simulations of spin swap in spin-orbit-coupled double quantum dots. Physical Review B, 2010, 82, .	3.2	8
94	Selective suppression of Dresselhaus or Rashba spin-orbit coupling effects by the Zeeman interaction in quantum dots. Physical Review B, 2009, 79, .	3.2	16
95	Electron transfer through a multiterminal quantum ring: Magnetic forces and elastic scattering effects. Physical Review B, 2009, 80, .	3.2	13
96	Magnetic-Field Asymmetry of Electron Wave Packet Transmission in Bent Channels Capacitively Coupled to a Metal Gate. Physical Review Letters, 2009, 102, 066807.	7.8	13
97	Wave packet dynamics in semiconductor quantum rings of finite width. Physical Review B, 2009, 80, .	3.2	44
98	Gated combo nanodevice for sequential operations on single electron spin. Nanotechnology, 2009, 20, 065402.	2.6	6
99	Pinning of electron densities in quantum rings by defects: Symmetry constraints and distribution of persistent currents. Physical Review B, 2009, 79, .	3.2	13
100	Spin-orbit coupling effects in two-dimensional circular quantum rings: Elliptical deformation of confined electron density. Physical Review B, 2009, 80, .	3.2	40
101	Violation of Onsager symmetry for a ballistic channel Coulomb coupled to a quantum ring. Europhysics Letters, 2009, 87, 47002.	2.0	7
102	Few-electron artificial molecules formed by laterally coupled quantum rings. Physical Review B, 2008, 78, .	3.2	29
103	Charged coplanar semiconductor quantum rings: Magnetization and inter-ring electron-electron correlation. Physical Review B, 2008, 77, .	3.2	15
104	Manipulation of two-electron states by the electric field in stacked self-assembled dots. Journal of Physics Condensed Matter, 2008, 20, 395225.	1.8	4
105	Exciton spectra in vertical stacks of triple and quadruple quantum dots in an electric field. Physical Review B, 2008, 77, .	3.2	20
106	Correlated persistent currents in a stack of semiconductor quantum rings. Physical Review B, 2008, 77, .	3.2	9
107	Spin Rotations Induced by an Electron Running in Closed Trajectories in Gated Semiconductor Nanodevices. Physical Review Letters, 2008, 101, 216805.	7.8	33
108	Induced Quantum Dots and Wires: Electron Storage and Delivery. Physical Review Letters, 2008, 100, 126805.	7.8	22

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109	n dot defined in a two-dimensional electron gas at a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>n</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">Al</mml:mi><mml:mi mathvariant="normal">Ga</mml:mi><mml:mi mathvariant="normal">As</mml:mi><mml:mo>â^•</mml:mo><mml:mi mathvariant="normal">Ga</mml:mi><mml:mi	3.2	15
110	Coupled Quantum Dots - Spatial Correlations between Interacting Carriers. Acta Physica Polonica A, 2008, 114, 1013-1039.	0.5	15
111	Signatures of lateral coupling of double quantum dots in the exciton photoluminescence spectrum. Physical Review B, 2007, 76, .	3.2	29
112	Electron correlations in charge coupled vertically stacked quantum rings. Physical Review B, 2007, 75, .	3.2	12
113	Stark effect on the exciton spectra of vertically coupled quantum dots: Horizontal field orientation and nonaligned dots. Physical Review B, 2007, 75, .	3.2	38
114	Energy dissipation of electron solitons in a quantum well. Physical Review B, 2006, 73, .	3.2	13
115	Self-focusing of a quantum-well-confined electron wave packet interacting with a metal plate. Physica Status Solidi (B): Basic Research, 2006, 243, 2811-2818.	1.5	2
116	Stability of Charged Exciton States in Quantum Wires. Few-Body Systems, 2006, 38, 121-124.	1.5	3
117	Broken one-particle symmetry in few-electron coupled quantum dots. Physical Review B, 2006, 73, .	3.2	4
118	Magnetic-field-induced binding of few-electron systems in shallow quantum dots. Physical Review B, 2006, 74, .	3.2	2
119	Dependence of the vortex structure in quantum dots on the range of the inter-electron interaction. Physical Review B, 2006, 73, .	3.2	8
120	Coulomb-interaction driven anomaly in the Stark effect for an exciton in vertically coupled quantum dots. Journal of Luminescence, 2005, 112, 122-126.	3.1	9
121	Exact broken-symmetry states and Hartreeâ€“Fock solutions for quantum dots at high magnetic fields. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 252-256.	2.7	2
122	Lorentz-forceâ€“induced asymmetry in the Aharonov-Bohm effect in a three-terminal semiconductor quantum ring. Europhysics Letters, 2005, 70, 810-816.	2.0	29
123	Exciton and negative trion dissociation by an external electric field in vertically coupled quantum dots. Physical Review B, 2005, 71, .	3.2	58
124	Electron soliton in semiconductor nanostructures. Physical Review B, 2005, 72, .	3.2	15
125	Three electrons in laterally coupled quantum dots: Tunnel vs electrostatic coupling, ground-state symmetry, and interdot correlations. Physical Review B, 2005, 71, .	3.2	8
126	Few-electron eigenstates of concentric double quantum rings. Physical Review B, 2005, 72, .	3.2	68

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127	Relative stability of negative and positive trions in model symmetric quantum wires. Physical Review B, 2005, 71, .	3.2	24
128	LO-phonon-induced screening of electronâ€“electron interaction in Dâ^'centres and quantum dots. Journal of Physics Condensed Matter, 2005, 17, 4489-4500.	1.8	69
129	Time-dependent simulations of electron transport through a quantum ring: Effect of the Lorentz force. Physical Review B, 2005, 72, .	3.2	50
130	A classical model for the magnetic field-induced Wigner crystallization in quantum dots. Journal of Physics Condensed Matter, 2004, 16, 1425-1437.	1.8	1
131	Re-entrant pinning of Wigner molecules in a magnetic field due to a Coulomb impurity. Europhysics Letters, 2004, 66, 701-707.	2.0	11
132	Exchange energy tuned by asymmetry in artificial molecules. Physical Review B, 2004, 70, .	3.2	35
133	Spatial ordering of charge and spin in quasi-one-dimensional Wigner molecules. Physical Review B, 2004, 70, .	3.2	49
134	Anisotropic quantum dots: Correspondence between quantum and classical Wigner molecules, parity symmetry, and broken-symmetry states. Physical Review B, 2004, 69, .	3.2	43
135	In-plane magnetic-field-induced Wigner crystallization in a two-electron quantum dot. Physical Review B, 2004, 70, .	3.2	7
136	Accuracy of the Hartree-Fock method for Wigner molecules at high magnetic fields. European Physical Journal D, 2004, 28, 373-380.	1.3	14
137	Electron spin and charge switching in a coupled quantum-dotâ€“quantum ring system. Physical Review B, 2004, 70, .	3.2	32
138	Electrostatic quantum dots with designed shape of confinement potential. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 494-497.	2.7	41
139	Single-electron charging spectra: from natural to artificial atoms. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 523-529.	2.7	2
140	Configuration interaction study of the single-electron transport in the vertical gated quantum dot. Physica Status Solidi (B): Basic Research, 2003, 237, 289-295.	1.5	0
141	Modeling of electronic properties of electrostatic quantum dots. Physical Review B, 2003, 68, .	3.2	101
142	Magnetic-field-induced transformations of Wigner molecule symmetry in quantum dots. Physical Review B, 2003, 67, .	3.2	23
143	Four-electron quantum dot in a magnetic field. Physical Review B, 2003, 68, .	3.2	93
144	Artificial molecules in coupled and single quantum dots. Physical Review B, 2003, 67, .	3.2	29

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145	Effective interaction for charge carriers confined in quasi-one-dimensional nanostructures. Physical Review B, 2003, 68, .	3.2	78
146	Correlation effects in vertical gated quantum dots. Physical Review B, 2003, 67, .	3.2	17
147	Magnetic-field-induced phase transitions in Wigner molecules. Journal of Physics Condensed Matter, 2003, 15, 4189-4205.	1.8	17
148	Electron Pairs and Excitons in Quasi-One-Dimensional Nanostructures. Acta Physica Polonica A, 2003, 103, 567-572.	0.5	0
149	Effect of the repulsive core on the exciton spectrum in a quantum ring. Journal of Physics Condensed Matter, 2002, 14, 73-86.	1.8	17
150	Excitonic trions in single and double quantum dots. Physical Review B, 2002, 66, .	3.2	43
151	Modelling of confinement potentials in quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 15, 261-268.	2.7	85
152	Theoretical description of electronic properties of vertical gated quantum dots. Physical Review B, 2001, 64, .	3.2	43
153	Parity symmetry and energy spectrum of excitons in coupled self-assembled quantum dots. Physical Review B, 2001, 64, .	3.2	135
154	Induced-charge distribution in vertical quantum dots. , 2001, 4413, 129.		0
155	Electric- and magnetic-field-induced evolution of transport windows in a vertical quantum dot. Physical Review B, 2001, 65, .	3.2	9
156	Transport and Capacitance Spectroscopy of Quantum Dots. Acta Physica Polonica A, 2001, 100, 145-163.	0.5	0
157	Single-electron charging of self assembled quantum dots. Thin Solid Films, 2000, 367, 93-96.	1.8	3
158	MBE-grown gate-controlled quantum-dot nanostructure and its currentâ€“voltage characteristics. Thin Solid Films, 2000, 367, 97-100.	1.8	0
159	Quantum Coulomb blockade in gate-controlled quantum dots. Microelectronic Engineering, 2000, 51-52, 99-109.	2.4	3
160	Infrared optical versus transport spectroscopy for few-electron spherical quantum dots. Journal of Physics Condensed Matter, 2000, 12, 6837-6844.	1.8	0
161	Solution of the Poisson-SchrÃ¶dinger problem for a single-electron transistor. Physical Review B, 2000, 61, 4461-4464.	3.2	30
162	Electron pair in a Gaussian confining potential. Physical Review B, 2000, 62, 4234-4237.	3.2	182

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163	Recombination energy for excitonic trions in quantum dots. Journal of Physics Condensed Matter, 2000, 12, 2453-2459.	1.8	21
164	Few-electron systems in quantum cylinders. Physical Review B, 2000, 61, 1971-1977.	3.2	30
165	Effect of the electron-phonon coupling on the ground state of aDâ^'center in a spherical quantum dot. Physical Review B, 1999, 60, 15558-15561.	3.2	14
166	Ground and excited states of few-electron systems in spherical quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 1999, 4, 1-10.	2.7	77
167	Electronâ€"electron correlation in quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 1999, 5, 185-195.	2.7	56
168	Phonon resonances in optical spectra of donors in quantum wells. Physica B: Condensed Matter, 1999, 273-274, 947-950.	2.7	4
169	Many-electron artificial atoms. Physical Review B, 1999, 59, 13036-13042.	3.2	118
170	Few-Electron Artificial Atoms. Few-Body Systems, 1999, , 189-198.	0.2	2
171	Influence of Donor Impurity on Optical Transitions in Quantum Dots. Physica Status Solidi (B): Basic Research, 1998, 210, 677-682.	1.5	5
172	Energy spectrum of centres in spherical quantum dots. Journal of Physics Condensed Matter, 1998, 10, 7575-7586.	1.8	46
173	Theoretical Description of Shell Filling in Cylindrical Quantum Dots. Acta Physica Polonica A, 1998, 94, 555-559.	0.5	6
174	Ground and Excited States of DË‰ Centres in Semiconductor Quantum Dots. Materials Science Forum, 1997, 258-263, 1707-1712.	0.3	2