

# Bartłomiej Szafran

## List of Publications by Citations

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165  
papers

2,671  
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29  
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181  
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2,870  
ext. citations

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#	Paper	IF	Citations
165	Electron pair in a Gaussian confining potential. <i>Physical Review B</i> , <b>2000</b> , 62, 4234-4237	3.3	165
164	Parity symmetry and energy spectrum of excitons in coupled self-assembled quantum dots. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	126
163	Many-electron artificial atoms. <i>Physical Review B</i> , <b>1999</b> , 59, 13036-13042	3.3	104
162	Modeling of electronic properties of electrostatic quantum dots. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	88
161	Four-electron quantum dot in a magnetic field. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	80
160	Effective interaction for charge carriers confined in quasi-one-dimensional nanostructures. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	69
159	Ground and excited states of few-electron systems in spherical quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>1999</b> , 4, 1-10	3	68
158	Modelling of confinement potentials in quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2002</b> , 15, 261-268	3	65
157	Few-electron eigenstates of concentric double quantum rings. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	62
156	LO-phonon-induced screening of electron-electron interaction in D-centres and quantum dots. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 4489-4500	1.8	56
155	Wannier-Bloch Approach to Localization in High-Harmonics Generation in Solids. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	55
154	Exciton and negative trion dissociation by an external electric field in vertically coupled quantum dots. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	52
153	Electron-electron correlation in quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>1999</b> , 5, 185-195	3	52
152	Time-dependent simulations of electron transport through a quantum ring: Effect of the Lorentz force. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	48
151	Energy spectrum of centres in spherical quantum dots. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 7575-7586	1.8	44
150	Spatial ordering of charge and spin in quasi-one-dimensional Wigner molecules. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	42
149	Theoretical description of electronic properties of vertical gated quantum dots. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	41

148	Wave packet dynamics in semiconductor quantum rings of finite width. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	40
147	Excitonic trions in single and double quantum dots. <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	40
146	Electrostatic quantum dots with designed shape of confinement potential. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2003</b> , 17, 494-497	3	39
145	Stark effect on the exciton spectra of vertically coupled quantum dots: Horizontal field orientation and nonaligned dots. <i>Physical Review B</i> , <b>2007</b> , 75,	3-3	38
144	Anisotropic quantum dots: Correspondence between quantum and classical Wigner molecules, parity symmetry, and broken-symmetry states. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	37
143	Scanning gate microscopy simulations for quantum rings: Effective potential of the tip and conductance maps. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	35
142	Spin-orbit coupling effects in two-dimensional circular quantum rings: Elliptical deformation of confined electron density. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	34
141	Exchange energy tuned by asymmetry in artificial molecules. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	32
140	Spin rotations induced by an electron running in closed trajectories in gated semiconductor nanodevices. <i>Physical Review Letters</i> , <b>2008</b> , 101, 216805	7-4	30
139	Electron spin and charge switching in a coupled quantum-dot-quantum ring system. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	30
138	Few-electron systems in quantum cylinders. <i>Physical Review B</i> , <b>2000</b> , 61, 1971-1977	3-3	30
137	Signatures of lateral coupling of double quantum dots in the exciton photoluminescence spectrum. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	29
136	Tuning of the spin-orbit interaction in a quantum dot by an in-plane magnetic field. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	28
135	Resonant harmonic generation and collective spin rotations in electrically driven quantum dots. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	28
134	Artificial molecules in coupled and single quantum dots. <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	28
133	Solution of the Poisson-Schrödinger problem for a single-electron transistor. <i>Physical Review B</i> , <b>2000</b> , 61, 4461-4464	3-3	28
132	Few-electron artificial molecules formed by laterally coupled quantum rings. <i>Physical Review B</i> , <b>2008</b> , 78,	3-3	27
131	Lorentz-force-induced asymmetry in the Aharonov-Bohm effect in a three-terminal semiconductor quantum ring. <i>Europhysics Letters</i> , <b>2005</b> , 70, 810-816	1.6	27

130	Effective spin-orbit interaction Hamiltonian for quasi-one-dimensional quantum rings. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	24
129	Relative stability of negative and positive trions in model symmetric quantum wires. <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	23
128	Simulations of imaging of the local density of states by a charged probe technique for resonant cavities. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	22
127	Magnetic-field-induced transformations of Wigner molecule symmetry in quantum dots. <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	22
126	Confined states in quantum dots defined within finite flakes of bilayer graphene: Coupling to the edge, ionization threshold, and valley degeneracy. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	20
125	Spin-polarization anisotropy in a narrow spin-orbit-coupled nanowire quantum dot. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	20
124	Exciton spectra in vertical stacks of triple and quadruple quantum dots in an electric field. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	20
123	Recombination energy for excitonic trions in quantum dots. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 2453-2459	1.8	20
122	Induced quantum dots and wires: electron storage and delivery. <i>Physical Review Letters</i> , <b>2008</b> , 100, 126804,	3-3	19
121	Interference features in scanning gate conductance maps of quantum point contacts with disorder. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	19
120	Aharonov-Bohm interferometer based on $n\bar{p}$ junctions in graphene nanoribbons. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	17
119	Tight-binding simulations of electrically driven spin-valley transitions in carbon nanotube quantum dots. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	15
118	Fano resonances and electron spin transport through a two-dimensional spin-orbit-coupled quantum ring. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	15
117	Charged coplanar semiconductor quantum rings: Magnetization and inter-ring electron-electron correlation. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	15
116	Magnetic-field-induced phase transitions in Wigner molecules. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 4189-4205	1.8	15
115	Correlation effects in vertical gated quantum dots. <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	15
114	Imaging snake orbits at graphene $n\bar{p}$ junctions. <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	14
113	Quantum dot defined in a two-dimensional electron gas at a $n\text{AlGaAs}/p\text{GaAs}$ heterojunction: Simulation of electrostatic potential and charging properties. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	14

112	Effect of the repulsive core on the exciton spectrum in a quantum ring. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 73-86	1.8	14
111	Electrostatic quantum dots in silicene. <i>Scientific Reports</i> , <b>2018</b> , 8, 7166	4.9	13
110	Simulations of electric-dipole spin resonance for spin-orbit coupled quantum dots in the Overhauser field: Fractional resonances and selection rules. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	13
109	Spin current source based on a quantum point contact with local spin-orbit interaction. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 202404	3.4	13
108	Signatures of antibonding hole ground states in exciton spectra of vertically coupled quantum dots in an electric field. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	13
107	Selective suppression of Dresselhaus or Rashba spin-orbit coupling effects by the Zeeman interaction in quantum dots. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	13
106	Magnetic-field asymmetry of electron wave packet transmission in bent channels capacitively coupled to a metal gate. <i>Physical Review Letters</i> , <b>2009</b> , 102, 066807	7.4	13
105	Accuracy of the Hartree-Fock method for Wigner molecules at high magnetic fields. <i>European Physical Journal D</i> , <b>2004</b> , 28, 373-380	1.3	13
104	Electron soliton in semiconductor nanostructures. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	13
103	Effect of the electron-phonon coupling on the ground state of a D $\pi$ center in a spherical quantum dot. <i>Physical Review B</i> , <b>1999</b> , 60, 15558-15561	3.3	13
102	Electron transfer through a multiterminal quantum ring: Magnetic forces and elastic scattering effects. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	12
101	Coupled Quantum Dots - Spatial Correlations between Interacting Carriers. <i>Acta Physica Polonica A</i> , <b>2008</b> , 114, 1013-1039	0.6	12
100	Electron spin inversion in gated silicene nanoribbons. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	11
99	Signatures of spin-orbit coupling in scanning gate conductance images of electron flow from quantum point contacts. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	11
98	Pinning of electron densities in quantum rings by defects: Symmetry constraints and distribution of persistent currents. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	11
97	Energy dissipation of electron solitons in a quantum well. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	11
96	Re-entrant pinning of Wigner molecules in a magnetic field due to a Coulomb impurity. <i>Europhysics Letters</i> , <b>2004</b> , 66, 701-707	1.6	11
95	Lorentz force effects for graphene Aharonov-Bohm interferometers. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	11

94	Interedge backscattering in buried split-gate-defined graphene quantum point contacts. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	10
93	Schrödinger-Poisson calculations for scanning gate microscopy of quantum rings based on etched two-dimensional electron gas. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	9
92	Spin accumulation and spin read out without magnetic field. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	9
91	Correlated persistent currents in a stack of semiconductor quantum rings. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	9
90	Electron correlations in charge coupled vertically stacked quantum rings. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	9
89	Coulomb-interaction driven anomaly in the Stark effect for an exciton in vertically coupled quantum dots. <i>Journal of Luminescence</i> , <b>2005</b> , 112, 122-126	3.8	9
88	Transconductance and effective Landé factors for quantum point contacts: Spin-orbit coupling and interaction effects. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	8
87	Tuning Fano resonances by magnetic forces for electron transport through a quantum wire side coupled to a quantum ring. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	8
86	Time-dependent configuration-interaction simulations of spin swap in spin-orbit-coupled double quantum dots. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	8
85	Electric- and magnetic-field-induced evolution of transport windows in a vertical quantum dot. <i>Physical Review B</i> , <b>2001</b> , 65,	3.3	8
84	Conductance response of graphene nanoribbons and quantum point contacts in scanning gate measurements. <i>Semiconductor Science and Technology</i> , <b>2015</b> , 30, 085003	1.8	7
83	Wave-function description of conductance mapping for a quantum Hall electron interferometer. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	7
82	Singlet-triplet avoided crossings and effective g factor versus spatial orientation of spin-orbit-coupled quantum dots. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	7
81	Coupling of bonding and antibonding electron orbitals in double quantum dots by spin-orbit interaction. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	7
80	Negative trion emission spectrum in stacked quantum dots: External electric field and valence band mixing. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	7
79	Violation of Onsager symmetry for a ballistic channel Coulomb coupled to a quantum ring. <i>Europhysics Letters</i> , <b>2009</b> , 87, 47002	1.6	7
78	Dependence of the vortex structure in quantum dots on the range of the inter-electron interaction. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	7
77	Three electrons in laterally coupled quantum dots: Tunnel vs electrostatic coupling, ground-state symmetry, and interdot correlations. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	7

76	Imaging of double slit interference by scanning gate microscopy. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	6
75	Magnetic forces and localized resonances in electron transfer through quantum rings. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 465801	1.8	6
74	In-plane magnetic-field-induced Wigner crystallization in a two-electron quantum dot. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	6
73	Theoretical Description of Shell Filling in Cylindrical Quantum Dots. <i>Acta Physica Polonica A</i> , <b>1998</b> , 94, 555-559	0.6	6
72	Paired electron motion in interacting chains of quantum dots. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	5
71	Double quantum dots defined in bilayer graphene. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
70	Spin-orbit interaction in bent carbon nanotubes: resonant spin transitions. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 435301	1.8	5
69	Charge density mapping of strongly-correlated few-electron two-dimensional quantum dots by the scanning probe technique. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 335801	1.8	5
68	Gated combo nanodevice for sequential operations on single electron spin. <i>Nanotechnology</i> , <b>2009</b> , 20, 065402	3.4	5
67	Multisubband transport and magnetic deflection of Fermi electron trajectories in three terminal junctions and rings. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 085801	1.8	5
66	Influence of Donor Impurity on Optical Transitions in Quantum Dots. <i>Physica Status Solidi (B): Basic Research</i> , <b>1998</b> , 210, 677-682	1.3	5
65	Two-electron $n\beta$ double quantum dots in carbon nanotubes. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	4
64	Electrical control of a confined electron spin in a silicene quantum dot. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	4
63	Spin-valley resolved photon-assisted tunneling in carbon nanotube double quantum dots. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	4
62	Manipulating quantum Hall edge channels in graphene through scanning gate microscopy. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	4
61	Electron spin inversion in fluorinated graphene nanoribbons. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	4
60	Interaction effects near constriction of a quasi two-dimensional electron system: an exact diagonalization study. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2014</b> , 378, 1036-1041	2.3	4
59	Broken one-particle symmetry in few-electron coupled quantum dots. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	4

58	Spin and valley control in single and double electrostatic silicene quantum dots. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
57	Aharonov-Bohm conductance oscillations and current equilibration in local n-p junctions in graphene. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
56	Finite-difference method for Dirac electrons in circular quantum dots. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	3
55	Spontaneous and resonant lifting of the spin blockade in nanowire quantum dots. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	3
54	Imaging backscattering in graphene quantum point contacts. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	3
53	Imaging quantum-dot-confined electron density in transition to fractional quantum Hall regime. <i>Semiconductor Science and Technology</i> , <b>2015</b> , 30, 015020	1.8	3
52	Conductance microscopy of quantum dots weakly or strongly coupled to the conducting channel. <i>New Journal of Physics</i> , <b>2014</b> , 16, 053044	2.9	3
51	Optical signatures of valence-band mixing in positive trion recombination spectra of double quantum dots. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	3
50	Magnetic forces and stationary electron flow in a three-terminal semiconductor quantum ring. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 215801	1.8	3
49	Manipulation of two-electron states by the electric field in stacked self-assembled dots. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 395225	1.8	3
48	Stability of Charged Exciton States in Quantum Wires. <i>Few-Body Systems</i> , <b>2006</b> , 38, 121-124	1.6	3
47	Single-electron charging of self assembled quantum dots. <i>Thin Solid Films</i> , <b>2000</b> , 367, 93-96	2.2	3
46	Quantum Coulomb blockade in gate-controlled quantum dots. <i>Microelectronic Engineering</i> , <b>2000</b> , 51-52, 99-109	2.5	3
45	Phonon resonances in optical spectra of donors in quantum wells. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 273-274, 947-950	2.8	3
44	Spin-valley dynamics of electrically driven ambipolar carbon-nanotube quantum dots. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 285301	1.8	2
43	Electron interferometry and quantum spin Hall phase in silicene. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
42	Electron paths and double-slit interference in the scanning gate microscopy. <i>New Journal of Physics</i> , <b>2015</b> , 17, 063003	2.9	2
41	Electronic structure of (1e,1h) states of carbon nanotube quantum dots. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	2



40	Spin-active devices based on graphene/WSe <sub>2</sub> heterostructures. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
39	Topologically protected wave packets and quantum rings in silicene. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
38	Single-electron shell occupation and effective g factor in few-electron nanowire quantum dots. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	2
37	Charging graphene nanoribbon quantum dots. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	2
36	Carrier-carrier inelastic scattering events for spatially separated electrons: Magnetic asymmetry and turnstile electron transfer. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	2
35	Ground and Excited States of D <sup>0</sup> Centres in Semiconductor Quantum Dots. <i>Materials Science Forum</i> , <b>1997</b> , 258-263, 1707-1712	0.4	2
34	Self-focusing of a quantum-well-confined electron wave packet interacting with a metal plate. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 2811-2818	1.3	2
33	Single-electron charging spectra: from natural to artificial atoms. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2003</b> , 18, 523-529	3	2
32	Exact broken-symmetry states and Hartree-Fock solutions for quantum dots at high magnetic fields. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2005</b> , 26, 252-256	3	2
31	Few-Electron Artificial Atoms. <i>Few-Body Systems</i> , <b>1999</b> , 189-198		2
30	Theory of ballistic quantum transport in the presence of localized defects. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	2
29	Persistent currents in topological and trivial confinement in silicene. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	1
28	Quantum ring conductance sensitivity to potential perturbation in an external magnetic field. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	1
27	Spin separation and exchange for quantum dots in the Overhauser field. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	1
26	Extraction of the Rashba spin-orbit coupling constant from scanning gate microscopy conductance maps for quantum point contacts. <i>Scientific Reports</i> , <b>2017</b> , 7, 14935	4.9	1
25	Multiplex scanning gate microscopy for ballistic transport studies in systems with a two-dimensional electron gas. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	1
24	Spin exchange energy for a pair of valence band holes in artificial molecules. <i>Semiconductor Science and Technology</i> , <b>2014</b> , 29, 115022	1.8	1
23	Imaging localization of quasibound states in graphene antidots. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	1

22	Fractional conductance oscillations in quantum rings: wave packet picture of transport in a few-electron system. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 155802	1.8	1
21	Electronic properties of a defected ring-shaped quantum dot array. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 225801	1.8	1
20	Magnetic-field-induced binding of few-electron systems in shallow quantum dots. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	1
19	A classical model for the magnetic field-induced Wigner crystallization in quantum dots. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 1425-1437	1.8	1
18	Conductance measurement of spin-orbit coupling in two-dimensional electron systems with an in-plane magnetic field. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	1
17	Imaging spin-resolved cyclotron trajectories in the InSb two-dimensional electron gas. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	1
16	Simulation of the Coulomb blockade microscopy of quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2017</b> , 93, 70-77	3	
15	Driven spin transitions in fluorinated single- and bilayer-graphene quantum dots. <i>Semiconductor Science and Technology</i> , <b>2017</b> , 32, 065016	1.8	
14	Valence band mixing versus higher harmonic generation in electric-dipole spin resonance. <i>Semiconductor Science and Technology</i> , <b>2015</b> , 30, 055017	1.8	
13	Nanoeducation for Industry and Society. <i>Innovation, Technology and Knowledge Management</i> , <b>2016</b> , 93-105	1.5	
12	Pauli blockade microscopy of quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2018</b> , 104, 22-28	3	
11	Shape of recombination lines for exciton complexes in quantum dots with in-plane electric field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2013</b> , 377, 3179-3183	2.3	
10	Configuration interaction study of the single-electron transport in the vertical gated quantum dot. <i>Physica Status Solidi (B): Basic Research</i> , <b>2003</b> , 237, 289-295	1.3	
9	Induced-charge distribution in vertical quantum dots <b>2001</b> , 4413, 129		
8	MBE-grown gate-controlled quantum-dot nanostructure and its current-voltage characteristics. <i>Thin Solid Films</i> , <b>2000</b> , 367, 97-100	2.2	
7	Infrared optical versus transport spectroscopy for few-electron spherical quantum dots. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 6837-6844	1.8	
6	Phase Transitions in Wigner Molecules <b>2005</b> , 285-299		
5	Effective Landé factors for an electrostatically defined quantum point contact in silicene. <i>Scientific Reports</i> , <b>2021</b> , 11, 19892	4.9	

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