

Andrei Manolescu

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.

209
papers

14,970
citations

35
h-index

121
g-index

228
ext. papers

16,331
ext. citations

5.9
avg, IF

5.55
L-index

#	Paper	IF	Citations
209	Thermal transport controlled by intra- and inter-dot Coulomb interactions in sequential and cotunneling serially-coupled double quantum dots. <i>Physica B: Condensed Matter</i> , 2022 , 413646	2.8	0
208	Controlling physical properties of bilayer graphene by stacking orientation caused by interaction between B and N dopant atoms. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022 , 276, 115554	3.1	0
207	Effects of transverse geometry on the thermal conductivity of Si and Ge nanowires. <i>Surfaces and Interfaces</i> , 2022 , 30, 101834	4.1	0
206	Enhanced electronic and optical responses of nitrogen- or boron-doped BeO monolayer: First principle computation. <i>Superlattices and Microstructures</i> , 2021 , 107102	2.8	0
205	Spin-polarised DFT modeling of electronic, magnetic, thermal and optical properties of silicene doped with transition metals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 129, 114644 ³		10
204	. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 2461-2466	2.9	1
203	Electromagnetic field emitted by core-shell semiconductor nanowires driven by an alternating current. <i>Journal of Applied Physics</i> , 2021 , 130, 034301	2.5	0
202	Properties of BSi6N monolayers derived by first-principle computation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 127, 114556	3	3
201	Self-induction and magnetic effects in electron transport through a photon cavity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 127, 114544	3	0
200	Space-Charge Limited Current From a Finite Emitter in Nano- and Microdiodes. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 342-346	2.9	10
199	Role of interlayer spacing on electronic, thermal and optical properties of BN-codoped bilayer graphene: Influence of the interlayer and the induced dipole-dipole interactions. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 155, 110095	3.9	6
198	Investigation of Opto-Electronic Properties and Stability of Mixed-Cation Mixed-Halide Perovskite Materials with Machine-Learning Implementation. <i>Energies</i> , 2021 , 14, 5431	3.1	0
197	On the role of ion potential energy in low energy HiPIMS deposition: An atomistic simulation. <i>Surface and Coatings Technology</i> , 2021 , 426, 127726	4.4	0
196	Space-Charge Effects in the Field-Assisted Thermionic Emission from Nonuniform Cathodes. <i>Physical Review Applied</i> , 2021 , 15,	4.3	7
195	Modeling electronic, mechanical, optical and thermal properties of graphene-like BC6N materials: Role of prominent BN-bonds. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126807	2.3	19
194	Oscillations in electron transport caused by multiple resonances in a quantum dot-QED system in the steady-state regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 123, 114221	3	2
193	Majorana zero modes in nanowires with combined triangular and hexagonal geometry. <i>Nanotechnology</i> , 2020 , 31, 354001	3.4	3

192	Molecular Dynamics Simulations of Mutual Space-Charge Effect Between Planar Field Emitters. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1967-1973	1.3	8
191	Effects of bonded and non-bonded B/N codoping of graphene on its stability, interaction energy, electronic structure, and power factor. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126350	2.3	19
190	SiGe nanocrystals in SiO with high photosensitivity from visible to short-wave infrared. <i>Scientific Reports</i> , 2020 , 10, 3252	4.9	12
189	The interplay of electron-photon and cavity-environment coupling on the electron transport through a quantum dot system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 119, 113996	3.6	4
188	Obtaining SiGe nanocrystallites between crystalline TiO ₂ layers by HiPIMS without annealing. <i>Applied Surface Science</i> , 2020 , 511, 145552	6.7	4
187	Thermoelectric properties of tubular nanowires in the presence of a transverse magnetic field. <i>Nanotechnology</i> , 2020 , 31, 424006	3.4	1
186	Solid-state dewetting of silver-thin films: self-assembled nano-geometries. <i>IOP SciNotes</i> , 2020 , 1, 035203	1.2	0
185	Interlayer interaction controlling the properties of AB- and AA-stacked bilayer graphene-like BC14n and si2c14. <i>Surfaces and Interfaces</i> , 2020 , 21, 100740	4.1	9
184	Structural and photoluminescence study of TiO ₂ layer with self-assembled Si _{1-x} Ge _x nanoislands. <i>Journal of Applied Physics</i> , 2020 , 128, 085304	2.5	2
183	Cavity-Photon-Induced High-Order Transitions between Ground States of Quantum Dots. <i>Annalen Der Physik</i> , 2019 , 531, 1900306	2.6	2
182	The hysteresis-free behavior of perovskite solar cells from the perspective of the measurement conditions. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5267-5274	7.1	10
181	Gap Prediction in Hybrid Graphene-Hexagonal Boron Nitride Nanoflakes Using Artificial Neural Networks. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-8	3.2	6
180	Efficacy of annealing and fabrication parameters on photo-response of SiGe in TiO matrix. <i>Nanotechnology</i> , 2019 , 30, 365604	3.4	5
179	Thermoelectric Inversion in a Resonant Quantum Dot-Cavity System in the Steady-State Regime. <i>Nanomaterials</i> , 2019 , 9,	5.4	6
178	Breakdown of Corner States and Carrier Localization by Monolayer Fluctuations in Radial Nanowire Quantum Wells. <i>Nano Letters</i> , 2019 , 19, 3336-3343	11.5	10
177	Coexisting spin and Rabi oscillations at intermediate time regimes in electron transport through a photon cavity. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 606-616	3	9
176	Electric and thermoelectric properties of graphene bilayers with extrinsic impurities under applied electric field. <i>Physica B: Condensed Matter</i> , 2019 , 561, 9-15	2.8	3
175	Manifestation of the Purcell Effect in Current Transport through a Dot-Cavity-QED System. <i>Nanomaterials</i> , 2019 , 9,	5.4	8

174	Modelling $J-V$ hysteresis in perovskite solar cells induced by voltage poling. <i>Physica Scripta</i> , 2019 , 94, 125809	2.6	4
173	Generalized Master Equation Approach to Time-Dependent Many-Body Transport. <i>Entropy</i> , 2019 , 21,	2.8	5
172	The photocurrent generated by photon replica states of an off-resonantly coupled dot-cavity system. <i>Scientific Reports</i> , 2019 , 9, 14703	4.9	9
171	Anisotropic light scattering by prismatic semiconductor nanowires. <i>Optics Express</i> , 2019 , 27, 25502-25514	3.3	3
170	Prostate cancer: an occupational hazard in Romania?. <i>Romanian Journal of Occupational Medicine</i> , 2019 , 70, 38-45	0	
169	Enhanced photoconductivity of embedded SiGe nanoparticles by hydrogenation. <i>Applied Surface Science</i> , 2019 , 479, 403-409	6.7	5
168	Corner and side localization of electrons in irregular hexagonal semiconductor shells. <i>Nanotechnology</i> , 2019 , 30, 454001	3.4	2
167	Fabrication and characterization of Si Ge nanocrystals in as-grown and annealed structures: a comparative study. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1873-1882	3	3
166	Enhanced photoconductivity of SiGe nanocrystals in SiO ₂ driven by mild annealing. <i>Applied Surface Science</i> , 2019 , 469, 870-878	6.7	11
165	Current correlations for the transport of interacting electrons through parallel quantum dots in a photon cavity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 1672-1678	2.3	15
164	Profile of common prostate cancer risk variants in an unscreened Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 1574-1582	5.6	4
163	Photon-induced tunability of the thermospin current in a Rashba ring. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 145303	1.8	8
162	Excitons in Core-Shell Nanowires with Polygonal Cross Sections. <i>Nano Letters</i> , 2018 , 18, 2581-2589	11.5	10
161	Spin-dependent heat and thermoelectric currents in a Rashba ring coupled to a photon cavity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 95, 102-107	3	9
160	Co-regulatory networks of human serum proteins link genetics to disease. <i>Science</i> , 2018 , 361, 769-773	33.3	183
159	How measurement protocols influence the dynamic J-V characteristics of perovskite solar cells: Theory and experiment. <i>Solar Energy</i> , 2018 , 173, 976-983	6.8	44
158	Conductance features of core-shell nanowires determined by their internal geometry. <i>Physical Review B</i> , 2018 , 98,	3.3	6
157	Thermoelectric current in topological insulator nanowires with impurities. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1156-1161	3	6

156	Electroluminescence Caused by the Transport of Interacting Electrons through Parallel Quantum Dots in a Photon Cavity. <i>Annalen Der Physik</i> , 2018 , 530, 1700334	2.6	11
155	Effects of photon field on heat transport through a quantum wire attached to leads. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 199-204	2.3	9
154	Robust topological phase in proximitized core-shell nanowires coupled to multiple superconductors. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1512-1526	3	10
153	Identification of Lynch syndrome risk variants in the Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 6068-6076	5.6	4
152	Electric field effect in boron and nitrogen doped graphene bilayers. <i>Computational Materials Science</i> , 2018 , 155, 175-179	3.2	11
151	The Influence of the Relaxation Time on the Dynamic Hysteresis in Perovskite Solar Cells. <i>EPJ Web of Conferences</i> , 2018 , 173, 03017	0.3	3
150	In-gap corner states in core-shell polygonal quantum rings. <i>Scientific Reports</i> , 2017 , 7, 40197	4.9	8
149	Atomistic Simulations of Methylammonium Lead Halide Layers on PbTiO ₃ (001) Surfaces. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9096-9109	3.8	9
148	Normal and Inverted Hysteresis in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11207-11214	3.7	14
147	Electronic and thermal conduction properties of halogenated porous graphene nanoribbons. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4435-4441	7.1	12
146	Majorana states in prismatic core-shell nanowires. <i>Physical Review B</i> , 2017 , 96,	3.3	21
145	Thermoelectric current in tubular nanowires in transverse electric and magnetic fields. <i>Journal of Physics: Conference Series</i> , 2017 , 906, 012021	0.3	3
144	Time-dependent current into and through multilevel parallel quantum dots in a photon cavity. <i>Physical Review B</i> , 2017 , 95,	3.3	10
143	Reversal of Thermoelectric Current in Tubular Nanowires. <i>Physical Review Letters</i> , 2017 , 119, 036804	7.4	20
142	Efficient determination of the Markovian time-evolution towards a steady-state of a complex open quantum system. <i>Computer Physics Communications</i> , 2017 , 220, 81-90	4.2	15
141	Regimes of radiative and nonradiative transitions in transport through an electronic system in a photon cavity reaching a steady state. <i>Annalen Der Physik</i> , 2017 , 529, 1600177	2.6	12
140	Dynamic electrical behavior of halide perovskite based solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 159, 197-203	6.4	26
139	Transparent boundary conditions for time-dependent electron transport in the R-matrix method with applications to nanostructured interfaces. <i>Computer Physics Communications</i> , 2016 , 208, 109-116	4.2	2

138	Optical switching of electron transport in a waveguide-QED system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 84, 280-284	3	9
137	Spin Seebeck effect in an (In,Ga)As quantum well with equal Rashba and Dresselhaus spin-orbit couplings. <i>Physical Review B</i> , 2016 , 93,	3.3	2
136	Conductance oscillations of core-shell nanowires in transversal magnetic fields. <i>Physical Review B</i> , 2016 , 93,	3.3	11
135	Adiabatic Edge Channel Transport in a Nanowire Quantum Point Contact Register. <i>Nano Letters</i> , 2016 , 16, 4569-75	11.5	23
134	Transmission of a microwave cavity coupled to localized Shiba states. <i>Physical Review B</i> , 2016 , 93,	3.3	4
133	Cavity-photon contribution to the effective interaction of electrons in parallel quantum dots. <i>Annalen Der Physik</i> , 2016 , 528, 394-403	2.6	14
132	Cavity-Photon Controlled Thermoelectric Transport through a Quantum Wire. <i>ACS Photonics</i> , 2016 , 3, 249-254	6.3	18
131	Multi-domain electromagnetic absorption of triangular quantum rings. <i>Nanotechnology</i> , 2016 , 27, 225203-4	3.4	9
130	Iodine Migration and Degradation of Perovskite Solar Cells Enhanced by Metallic Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 5168-5175	6.4	157
129	Molecular dynamics simulations of field emission from a prolate spheroidal tip. <i>Physics of Plasmas</i> , 2016 , 23, 123119	2.1	14
128	Electronic states in core-shell quantum rings 2016 ,		1
127	Competition of static magnetic and dynamic photon forces in electronic transport through a quantum dot. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 375301	1.8	6
126	Replication study of 34 common SNPs associated with prostate cancer in the Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , 2016 , 20, 594-600	5.6	9
125	Synchronization in Arrays of Vacuum Microdiodes. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 200-206	6.9	9
124	Coupled Collective and Rabi Oscillations Triggered by Electron Transport through a Photon Cavity. <i>ACS Photonics</i> , 2015 , 2, 930-934	6.3	13
123	Molecular dynamics simulations of field emission from a planar nanodiode. <i>Physics of Plasmas</i> , 2015 , 22, 033109	2.1	23
122	Asymmetric Landau bands due to spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 225303	1.8	
121	Band alignment and charge transfer in rutile-TiO ₂ /CH ₃ NH ₃ PbI ₃ -xCl _x interfaces. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 30417-23	3.6	12

120	Collective Behavior of Molecular Dipoles in CH ₃ NH ₃ PbI ₃ . <i>Journal of Physical Chemistry C</i> , 2015 , 119, 19674-19680	3.4	4
119	Excitation spectra of a quantum ring embedded in a photon cavity. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 015201	1.7	9
118	Signature of snaking states in the conductance of core-shell nanowires. <i>Nano Letters</i> , 2015 , 15, 254-8	11.5	13
117	Coulomb interaction effects in a two-dimensional quantum well with spin-orbit interaction. <i>Physical Review B</i> , 2015 , 91,	3.3	4
116	Electron localization and optical absorption of polygonal quantum rings. <i>Physical Review B</i> , 2015 , 91,	3.3	18
115	Fractional Chern insulator phase at the transition between checkerboard and Lieb lattices. <i>Physical Review B</i> , 2015 , 92,	3.3	16
114	Terahertz pulsed photogenerated current in microdiodes at room temperature. <i>Applied Physics Letters</i> , 2015 , 107, 203508	3.4	7
113	Symmetry dependent electron localization and optical absorption of polygonal quantum rings 2015 ,		1
112	Coherent transient transport of interacting electrons through a quantum waveguide switch. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 015301	1.8	10
111	Spontaneous generation of entangled exciton in quantum dot systems. <i>Optical and Quantum Electronics</i> , 2014 , 46, 613-621	2.4	1
110	Delocalization of electrons by cavity photons in transport through a quantum dot molecule. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 64, 254-262	3	17
109	Coherent nonlinear quantum model for composite fermions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 1566-1570	2.3	2
108	Impact of a circularly polarized cavity photon field on the charge and spin flow through an Aharonov-Casher ring. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 60, 170-182	3	7
107	Effects of geometry and linearly polarized cavity photons on charge and spin currents in a quantum ring with spin-orbit interactions. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	24
106	Coulomb interaction effects on the Majorana states in quantum wires. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 172203	1.8	19
105	Cavity-photon-switched coherent transient transport in a double quantum waveguide. <i>Journal of Applied Physics</i> , 2014 , 116, 233104	2.5	7
104	Excitation of radial collective modes in a quantum dot: Beyond linear response. <i>Annalen Der Physik</i> , 2014 , 526, 235-248	2.6	4
103	Spin and impurity effects on flux-periodic oscillations in core-shell nanowires. <i>Physical Review B</i> , 2014 , 90,	3.3	15

102	Stepwise introduction of model complexity in a generalized master equation approach to time-dependent transport. <i>Fortschritte Der Physik</i> , 2013 , 61, 305-316	5.7	28
101	Dicke states in multiple quantum dots. <i>Physical Review A</i> , 2013 , 88,	2.6	6
100	Snaking states on a cylindrical surface in a perpendicular magnetic field. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	16
99	Magnetic-field-influenced nonequilibrium transport through a quantum ring with correlated electrons in a photon cavity. <i>Physical Review B</i> , 2013 , 87,	3.3	16
98	Tunability of the terahertz space-charge modulation in a vacuum microdiode. <i>Physics of Plasmas</i> , 2013 , 20, 023107	2.1	8
97	Symmetric excitation and de-excitation of a cavity QED system. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	1
96	Thermoelectric current and Coulomb-blockade plateaus in a quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013 , 53, 178-185	3	14
95	Electron transport through a quantum dot assisted by cavity photons. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 465302	1.8	16
94	Quantum magneto-electrodynamics of electrons embedded in a photon cavity. <i>New Journal of Physics</i> , 2012 , 14, 013036	2.9	18
93	Persistent oscillatory currents in a 1D ring with Rashba and Dresselhaus spin-orbit interactions excited by a terahertz pulse. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 46, 12-20	3	10
92	Time-dependent transport of electrons through a photon cavity. <i>Physical Review B</i> , 2012 , 85,	3.3	36
91	Ab initio continuum model for the influence of local stress on cross-slip of screw dislocations in fcc metals. <i>Physical Review B</i> , 2012 , 86,	3.3	17
90	Weak localization in a lateral superlattice with Rashba and Dresselhaus spin-orbit interaction. <i>Physical Review B</i> , 2012 , 85,	3.3	3
89	Excitation of collective modes in a quantum flute. <i>Physical Review B</i> , 2012 , 85,	3.3	3
88	Nonperturbative approach to circuit quantum electrodynamics. <i>Physical Review E</i> , 2012 , 86, 046701	2.4	12
87	Reduction of ballistic spin scattering in a spin-FET using stray electric fields. <i>Journal of Physics: Conference Series</i> , 2012 , 338, 012012	0.3	6
86	Nonadiabatic generation of spin currents in a quantum ring with Rashba and Dresselhaus spin-orbit interactions. <i>Journal of Physics: Conference Series</i> , 2012 , 338, 012013	0.3	
85	Generalized Master equation approach to mesoscopic time-dependent transport. <i>Journal of Physics: Conference Series</i> , 2012 , 338, 012017	0.3	1

84	Coulomb Interaction Effects on the Spin Polarization and Currents in Quantum Wires with Spin Orbit Interaction. <i>The Nanoscale Systems: Mathematical Modeling and Applications</i> , 2012 , 1, 23-37		1
83	Time-dependent magnetotransport in semiconductor nanostructures via the generalized master equation. <i>Computer Physics Communications</i> , 2011 , 182, 46-48	4.2	
82	Turnstile pumping through an open quantum wire. <i>New Journal of Physics</i> , 2011 , 13, 013014	2.9	3
81	Nonadiabatic generation of a pure spin current in a one-dimensional quantum ring with spin-orbit interaction. <i>Physical Review B</i> , 2011 , 83,	3.3	15
80	Electronic charge and spin density distribution in a quantum ring with spin-orbit and Coulomb interactions. <i>Physical Review B</i> , 2011 , 84,	3.3	25
79	Correlated time-dependent transport through a two-dimensional quantum structure. <i>Physical Review B</i> , 2010 , 81,	3.3	8
78	Space-charge modulation in vacuum microdiodes at THz frequencies. <i>Physical Review Letters</i> , 2010 , 104, 175002	7.4	42
77	Dynamic correlations induced by Coulomb interactions in coupled quantum dots. <i>Physical Review B</i> , 2010 , 82,	3.3	8
76	Coulomb interaction and transient charging of excited states in open nanosystems. <i>Physical Review B</i> , 2010 , 81,	3.3	35
75	Theoretical investigation of modulated currents in open nanostructures. <i>Physical Review B</i> , 2009 , 80,	3.3	8
74	Time-dependent transport via the generalized master equation through a finite quantum wire with an embedded subsystem. <i>New Journal of Physics</i> , 2009 , 11, 113007	2.9	40
73	Geometrical effects and signal delay in time-dependent transport at the nanoscale. <i>New Journal of Physics</i> , 2009 , 11, 073019	2.9	42
72	A variant associated with nicotine dependence, lung cancer and peripheral arterial disease. <i>Nature</i> , 2008 , 452, 638-642	50.4	1239
71	Common variants on chromosome 5p12 confer susceptibility to estrogen receptor-positive breast cancer. <i>Nature Genetics</i> , 2008 , 40, 703-6	36.3	378
70	The same sequence variant on 9p21 associates with myocardial infarction, abdominal aortic aneurysm and intracranial aneurysm. <i>Nature Genetics</i> , 2008 , 40, 217-24	36.3	596
69	Common sequence variants on 2p15 and Xp11.22 confer susceptibility to prostate cancer. <i>Nature Genetics</i> , 2008 , 40, 281-3	36.3	327
68	Risk variants for atrial fibrillation on chromosome 4q25 associate with ischemic stroke. <i>Annals of Neurology</i> , 2008 , 64, 402-9	9.4	208
67	Genetic profile of ischemic cerebrovascular disease and carotid stenosis. <i>Acta Neurologica Scandinavica</i> , 2008 , 118, 146-52	3.8	13

66	PDE4D and ALOX5AP genetic variants and risk for Ischemic Cerebrovascular Disease in Sweden. <i>Journal of the Neurological Sciences</i> , 2007 , 263, 113-7	3-2	37
65	Genetic determinants of hair, eye and skin pigmentation in Europeans. <i>Nature Genetics</i> , 2007 , 39, 1443-53	36.3	545
64	Genome-wide association study identifies a second prostate cancer susceptibility variant at 8q24. <i>Nature Genetics</i> , 2007 , 39, 631-7	36.3	739
63	Two variants on chromosome 17 confer prostate cancer risk, and the one in TCF2 protects against type 2 diabetes. <i>Nature Genetics</i> , 2007 , 39, 977-83	36.3	616
62	Common variants on chromosomes 2q35 and 16q12 confer susceptibility to estrogen receptor-positive breast cancer. <i>Nature Genetics</i> , 2007 , 39, 865-9	36.3	715
61	Transient regime in nonlinear transport through many-level quantum dots. <i>Physical Review B</i> , 2007 , 76,	3-3	43
60	Nonadiabatic transport in a quantum dot turnstile. <i>Physical Review B</i> , 2007 , 76,	3-3	26
59	A common variant on chromosome 9p21 affects the risk of myocardial infarction. <i>Science</i> , 2007 , 316, 1491-3	33.3	1322
58	A variant of the gene encoding leukotriene A4 hydrolase confers ethnicity-specific risk of myocardial infarction. <i>Nature Genetics</i> , 2006 , 38, 68-74	36.3	304
57	Variant of transcription factor 7-like 2 (TCF7L2) gene confers risk of type 2 diabetes. <i>Nature Genetics</i> , 2006 , 38, 320-3	36.3	1725
56	A common variant associated with prostate cancer in European and African populations. <i>Nature Genetics</i> , 2006 , 38, 652-8	36.3	661
55	Effects of a 5-lipoxygenase-activating protein inhibitor on biomarkers associated with risk of myocardial infarction: a randomized trial. <i>JAMA - Journal of the American Medical Association</i> , 2005 , 293, 2245-56	27.4	187
54	Association between the gene encoding 5-lipoxygenase-activating protein and stroke replicated in a Scottish population. <i>American Journal of Human Genetics</i> , 2005 , 76, 505-9	11	207
53	Net current generation in a 1D quantum ring at zero magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 27, 278-283	3	15
52	Multi-mode transport through a quantum nanowire with two embedded dots. <i>European Physical Journal B</i> , 2005 , 45, 339-345	1.2	3
51	Bound state with negative binding energy induced by coherent transport in a two-dimensional quantum wire. <i>Physical Review B</i> , 2005 , 72,	3-3	9
50	Fano regime of one-dot Aharonov-Bohm interferometers. <i>Physical Review B</i> , 2005 , 72,	3-3	11
49	Transport through a quantum ring, dot, and barrier embedded in a nanowire in magnetic field. <i>Physical Review B</i> , 2005 , 71,	3-3	28

48	Coherent electronic transport in a multimode quantum channel with Gaussian-type scatterers. <i>Physical Review B</i> , 2004 , 70,	3.3	45
47	The gene encoding 5-lipoxygenase activating protein confers risk of myocardial infarction and stroke. <i>Nature Genetics</i> , 2004 , 36, 233-9	36.3	770
46	Non-Adiabatic Current Excitation in Quantum Rings. <i>Physica Scripta</i> , 2004 , T114, 41-43	2.6	2
45	The inheritance of hand osteoarthritis in Iceland. <i>Arthritis and Rheumatism</i> , 2003 , 48, 391-5		45
44	The gene encoding phosphodiesterase 4D confers risk of ischemic stroke. <i>Nature Genetics</i> , 2003 , 35, 131-8	36.3	496
43	Nonadiabatic current generation in a finite width semiconductor ring. <i>Physical Review B</i> , 2003 , 67,	3.3	27
42	Impurity and spin effects on the magneto-spectroscopy of a THz-modulated nanostructure. <i>Physical Review B</i> , 2003 , 68,	3.3	1
41	Orbital magnetization of single and double quantum dots in a tight-binding model. <i>Physical Review B</i> , 2003 , 67,	3.3	21
40	From single dots to interacting arrays 2002 , 213-235		1
39	Plasmons and the drag effect in a strong magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 80-88	3	3
38	Ferromagnetism in a quantum Hall system due to exchange enhancement in a GaInAs quantum well. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 12, 20-23	3	1
37	Characterization of Bernstein modes in quantum dots. <i>European Physical Journal B</i> , 2002 , 28, 111-115	1.2	1
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16	Density modulation and electrostatic self-consistency in a two-dimensional electron gas subject to a periodic quantizing magnetic field. <i>Physical Review B</i> , 1998 , 57, 1680-1689	3.3	13
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14	Coulomb effects on the quantum transport of a two-dimensional electron system in periodic electric and magnetic fields. <i>Physical Review B</i> , 1997 , 56, 9707-9718	3.3	26
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