

Andrei Manolescu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2736424/publications.pdf>

Version: 2024-02-01

225
papers

17,282
citations

101384

36
h-index

14156

128
g-index

228
all docs

228
docs citations

228
times ranked

19311
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced electronic and optical responses of nitrogen- or boron-doped BeO monolayer: First principle computation. Superlattices and Microstructures, 2022, 162, 107102.	1.4	4
2	Thermal transport controlled by intra- and inter-dot Coulomb interactions in sequential and cotunneling serially-coupled double quantum dots. Physica B: Condensed Matter, 2022, 629, 413646.	1.3	3
3	Controlling physical properties of bilayer graphene by stacking orientation caused by interaction between B and N dopant atoms. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 276, 115554.	1.7	9
4	Investigation of bi-particle states in gate-array-controlled quantum-dot systems aided by machine learning techniques. Physica Scripta, 2022, 97, 055813.	1.2	3
5	Unified approach to cyclotron and plasmon resonances in a periodic two-dimensional GaAs electron gas hosting the Hofstadter butterfly. Physical Review B, 2022, 105, .	1.1	1
6	Effects of transverse geometry on the thermal conductivity of Si and Ge nanowires. Surfaces and Interfaces, 2022, 30, 101834.	1.5	6
7	Properties of BSi ₆ N monolayers derived by first-principle computation. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 127, 114556.	1.3	5
8	Self-induction and magnetic effects in electron transport through a photon cavity. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 127, 114544.	1.3	4
9	Space-Charge Limited Current From a Finite Emitter in Nano- and Microdiodes. IEEE Transactions on Electron Devices, 2021, 68, 342-346.	1.6	15
10	Spin-polarised DFT modeling of electronic, magnetic, thermal and optical properties of silicene doped with transition metals. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 129, 114644.	1.3	22
11	Dynamics of a Field Emitted Beam From a Microscopic Inhomogeneous Cathode. IEEE Transactions on Electron Devices, 2021, 68, 2461-2466.	1.6	4
12	Electromagnetic field emitted by core-shell semiconductor nanowires driven by an alternating current. Journal of Applied Physics, 2021, 130, 034301.	1.1	2
13	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. Journal of Physics and Chemistry of Solids, 2021, 155, 110095.	1.9	13
14	Investigation of Opto-Electronic Properties and Stability of Mixed-Cation Mixed-Halide Perovskite Materials with Machine-Learning Implementation. Energies, 2021, 14, 5431.	1.6	5
15	Edge Effect on the Current-Temperature Characteristic of Finite-Area Thermionic Cathodes. Physical Review Applied, 2021, 16, .	1.5	4
16	On the role of ion potential energy in low energy HiPIMS deposition: An atomistic simulation. Surface and Coatings Technology, 2021, 426, 127726.	2.2	7
17	Space-Charge Effects in the Field-Assisted Thermionic Emission from Nonuniform Cathodes. Physical Review Applied, 2021, 15, .	1.5	17
18	Interlayer interaction controlling the properties of AB- and AA-stacked bilayer graphene-like BC ₁₄ N and Si ₂ C ₁₄ . Surfaces and Interfaces, 2020, 21, 100740.	1.5	12

#	ARTICLE	IF	CITATIONS
19	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, .	1.1	5
20	Modeling electronic, mechanical, optical and thermal properties of graphene-like BC ₆ N materials: Role of prominent BN-bonds. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126807.	0.9	28
21	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.	1.3	4
22	Majorana zero modes in nanowires with combined triangular and hexagonal geometry. <i>Nanotechnology</i> , 2020, 31, 354001.	1.3	4
23	Molecular Dynamics Simulations of Mutual Space-Charge Effect Between Planar Field Emitters. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 1967-1973.	0.6	10
24	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.	0.9	28
25	SiGe nanocrystals in SiO ₂ with high photosensitivity from visible to short-wave infrared. <i>Scientific Reports</i> , 2020, 10, 3252.	1.6	21
26	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.	1.3	6
27	Obtaining SiGe nanocrystallites between crystalline TiO ₂ layers by HiPIMS without annealing. <i>Applied Surface Science</i> , 2020, 511, 145552.	3.1	8
28	Solid-state dewetting of silver-thin films: self-assembled nano-geometries. <i>IOP SciNotes</i> , 2020, 1, 035203.	0.4	1
29	Thermoelectric properties of tubular nanowires in the presence of a transverse magnetic field. <i>Nanotechnology</i> , 2020, 31, 424006.	1.3	3
30	Manifestation of the Purcell Effect in Current Transport through a Dot-Cavity-QED System. <i>Nanomaterials</i> , 2019, 9, 1023.	1.9	11
31	Modelling $J-V$ hysteresis in perovskite solar cells induced by voltage poling. <i>Physica Scripta</i> , 2019, 94, 125809.	1.2	8
32	Generalized Master Equation Approach to Time-Dependent Many-Body Transport. <i>Entropy</i> , 2019, 21, 731.	1.1	9
33	The photocurrent generated by photon replica states of an off-resonantly coupled dot-cavity system. <i>Scientific Reports</i> , 2019, 9, 14703.	1.6	9
34	Cavity-Photon-Induced High-Order Transitions between Ground States of Quantum Dots. <i>Annalen Der Physik</i> , 2019, 531, 1900306.	0.9	6
35	Backaction effects in cavity-coupled quantum conductors. <i>Physical Review B</i> , 2019, 100, .	1.1	0
36	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.	2.7	13

#	ARTICLE	IF	CITATIONS
37	Gap Prediction in Hybrid Graphene-Hexagonal Boron Nitride Nanoflakes Using Artificial Neural Networks. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-8.	1.5	6
38	Efficacy of annealing and fabrication parameters on photo-response of SiGe in TiO ₂ matrix. <i>Nanotechnology</i> , 2019, 30, 365604.	1.3	8
39	Thermoelectric Inversion in a Resonant Quantum Dot-Cavity System in the Steady-State Regime. <i>Nanomaterials</i> , 2019, 9, 741.	1.9	7
40	Breakdown of Corner States and Carrier Localization by Monolayer Fluctuations in Radial Nanowire Quantum Wells. <i>Nano Letters</i> , 2019, 19, 3336-3343.	4.5	14
41	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.	1.5	11
42	Electric and thermoelectric properties of graphene bilayers with extrinsic impurities under applied electric field. <i>Physica B: Condensed Matter</i> , 2019, 561, 9-15.	1.3	4
43	Enhanced photoconductivity of embedded SiGe nanoparticles by hydrogenation. <i>Applied Surface Science</i> , 2019, 479, 403-409.	3.1	11
44	Transverse polarization light scattering in tubular semiconductor nanowires. , 2019, , .		0
45	Corner and side localization of electrons in irregular hexagonal semiconductor shells. <i>Nanotechnology</i> , 2019, 30, 454001.	1.3	5
46	Fabrication and characterization of Si _{1-x} Ge _x nanocrystals in as-grown and annealed structures: a comparative study. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1873-1882.	1.5	5
47	Enhanced photoconductivity of SiGe nanocrystals in SiO ₂ driven by mild annealing. <i>Applied Surface Science</i> , 2019, 469, 870-878.	3.1	12
48	Anisotropic light scattering by prismatic semiconductor nanowires. <i>Optics Express</i> , 2019, 27, 25502.	1.7	5
49	Prostate cancer: an occupational hazard in Romania?. <i>Romanian Journal of Occupational Medicine</i> , 2019, 70, 38-45.	0.1	0
50	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.	0.9	19
51	Profile of common prostate cancer risk variants in an unscreened Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 1574-1582.	1.6	4
52	Photon-induced tunability of the thermospin current in a Rashba ring. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 145303.	0.7	10
53	Excitons in Core-Shell Nanowires with Polygonal Cross Sections. <i>Nano Letters</i> , 2018, 18, 2581-2589.	4.5	13
54	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.	1.3	11

#	ARTICLE	IF	CITATIONS
55	Electroluminescence Caused by the Transport of Interacting Electrons through Parallel Quantum Dots in a Photon Cavity. <i>Annalen Der Physik</i> , 2018, 530, 1700334.	0.9	11
56	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.	0.9	10
57	Robust topological phase in proximitized core-shell nanowires coupled to multiple superconductors. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1512-1526.	1.5	12
58	High-fidelity Molecular Dynamics of Vacuum Nanoelectronics. , 2018, , .		0
59	Identification of Lynch syndrome risk variants in the Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 6068-6076.	1.6	5
60	Electric field effect in boron and nitrogen doped graphene bilayers. <i>Computational Materials Science</i> , 2018, 155, 175-179.	1.4	11
61	The Influence of the Relaxation Time on the Dynamic Hysteresis in Perovskite Solar Cells. <i>EPJ Web of Conferences</i> , 2018, 173, 03017.	0.1	3
62	Co-regulatory networks of human serum proteins link genetics to disease. <i>Science</i> , 2018, 361, 769-773.	6.0	375
63	Molecular dynamics simulations of vacuum diodes. , 2018, , .		0
64	How measurement protocols influence the dynamic J-V characteristics of perovskite solar cells: Theory and experiment. <i>Solar Energy</i> , 2018, 173, 976-983.	2.9	54
65	Conductance features of core-shell nanowires determined by their internal geometry. <i>Physical Review B</i> , 2018, 98, .	1.1	10
66	Thermoelectric current in topological insulator nanowires with impurities. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1156-1161.	1.5	6
67	Molecular Dynamics Code for Simulations of Vacuum Nanodiodes. , 2018, , .		0
68	In-gap corner states in core-shell polygonal quantum rings. <i>Scientific Reports</i> , 2017, 7, 40197.	1.6	9
69	Atomistic Simulations of Methylammonium Lead Halide Layers on PbTiO ₃ (001) Surfaces. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9096-9109.	1.5	9
70	Normal and Inverted Hysteresis in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11207-11214.	1.5	68
71	Electronic and thermal conduction properties of halogenated porous graphene nanoribbons. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4435-4441.	2.7	15
72	Majorana states in prismatic core-shell nanowires. <i>Physical Review B</i> , 2017, 96, .	1.1	25

#	ARTICLE	IF	CITATIONS
73	Time-dependent current into and through multilevel parallel quantum dots in a photon cavity. <i>Physical Review B</i> , 2017, 95, .	1.1	10
74	Reversal of Thermoelectric Current in Tubular Nanowires. <i>Physical Review Letters</i> , 2017, 119, 036804.	2.9	25
75	Hund and anti-Hund rules in circular molecules. <i>Physical Review B</i> , 2017, 96, .	1.1	3
76	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.	3.0	19
77	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.	0.9	12
78	Dynamic electrical behavior of halide perovskite based solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 159, 197-203.	3.0	37
79	Shiba states coupled to a resonant cavity. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
80	Controlled Coulomb effects in core-shell quantum rings. , 2017, , .		0
81	Molecular dynamics based investigation of contribution of discrete particle effects near cathode to beam emittance. , 2017, , .		0
82	Thermoelectric current in tubular nanowires in transverse electric and magnetic fields. <i>Journal of Physics: Conference Series</i> , 2017, 906, 012021.	0.3	3
83	Multi-domain electromagnetic absorption of triangular quantum rings. <i>Nanotechnology</i> , 2016, 27, 225202.	1.3	17
84	Iodine Migration and Degradation of Perovskite Solar Cells Enhanced by Metallic Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 5168-5175.	2.1	225
85	Molecular dynamics simulations of field emission from a prolate spheroidal tip. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	28
86	Electronic states in core-shell quantum rings. , 2016, , .		1
87	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.	0.7	7
88	Replication study of 34 common <sc>SNP</sc>s associated with prostate cancer in the Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 594-600.	1.6	11
89	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.	3.0	3
90	Optical switching of electron transport in a waveguide-QED system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 84, 280-284.	1.3	11

#	ARTICLE	IF	CITATIONS
91	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, .	1.1	2
92	Conductance oscillations of core-shell nanowires in transversal magnetic fields. <i>Physical Review B</i> , 2016, 93, .	1.1	12
93	Adiabatic Edge Channel Transport in a Nanowire Quantum Point Contact Register. <i>Nano Letters</i> , 2016, 16, 4569-4575.	4.5	24
94	Transmission of a microwave cavity coupled to localized Shiba states. <i>Physical Review B</i> , 2016, 93, .	1.1	5
95	Cavity-Photon contribution to the effective interaction of electrons in parallel quantum dots. <i>Annalen Der Physik</i> , 2016, 528, 394-403.	0.9	16
96	Cavity-Photon Controlled Thermoelectric Transport through a Quantum Wire. <i>ACS Photonics</i> , 2016, 3, 249-254.	3.2	21
97	Coulomb interaction effects in a two-dimensional quantum well with spin-orbit interaction. <i>Physical Review B</i> , 2015, 91, .	1.1	5
98	Electron localization and optical absorption of polygonal quantum rings. <i>Physical Review B</i> , 2015, 91, .	1.1	26
99	Fractional Chern insulator phase at the transition between checkerboard and Lieb lattices. <i>Physical Review B</i> , 2015, 92, .	1.1	21
100	Terahertz pulsed photogenerated current in microdiodes at room temperature. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	11
101	Symmetry dependent electron localization and optical absorption of polygonal quantum rings. , 2015, , .		1
102	Coherent transient transport of interacting electrons through a quantum waveguide switch. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 015301.	0.7	10
103	Synchronization in Arrays of Vacuum Microdiodes. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 200-206.	1.6	13
104	Coupled Collective and Rabi Oscillations Triggered by Electron Transport through a Photon Cavity. <i>ACS Photonics</i> , 2015, 2, 930-934.	3.2	17
105	Molecular dynamics simulations of field emission from a planar nanodiode. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	36
106	Asymmetric Landau bands due to spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 225303.	0.7	0
107	Band alignment and charge transfer in rutile-TiO ₂ /CH ₃ NH ₃ PbI ₃ interfaces. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30417-30423.	1.3	12
108	Collective Behavior of Molecular Dipoles in CH ₃ NH ₃ PbI ₃ . <i>Journal of Physical Chemistry C</i> , 2015, 119, 19674-19680.	1.5	46

#	ARTICLE	IF	CITATIONS
109	Excitation spectra of a quantum ring embedded in a photon cavity. Journal of Optics (United Kingdom), 2015, 17, 015201.	1.0	9
110	Signature of Snaking States in the Conductance of Core-Shell Nanowires. Nano Letters, 2015, 15, 254-258.	4.5	14
111	Coulomb interaction effects on the Majorana states in quantum wires. Journal of Physics Condensed Matter, 2014, 26, 172203.	0.7	24
112	Molecular dynamics simulations of field emission from a planar nanodiode and prolate spheroidal tip. , 2014, , .		0
113	Synchronization of THz space-charge oscillation in arrays of vacuum microdiodes. , 2014, , .		0
114	Cavity-photon-switched coherent transient transport in a double quantum waveguide. Journal of Applied Physics, 2014, 116, 233104.	1.1	7
115	Excitation of radial collective modes in a quantum dot: Beyond linear response. Annalen Der Physik, 2014, 526, 235-248.	0.9	6
116	Spin and impurity effects on flux-periodic oscillations in core-shell nanowires. Physical Review B, 2014, 90, .	1.1	15
117	Spontaneous generation of entangled exciton in quantum dot systems. Optical and Quantum Electronics, 2014, 46, 613-621.	1.5	1
118	Delocalization of electrons by cavity photons in transport through a quantum dot molecule. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 64, 254-262.	1.3	19
119	Coherent nonlinear quantum model for composite fermions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1566-1570.	0.9	2
120	Impact of a circularly polarized cavity photon field on the charge and spin flow through an Aharonov-Casher ring. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 60, 170-182.	1.3	7
121	Effects of geometry and linearly polarized cavity photons on charge and spin currents in a quantum ring with spin-orbit interactions. European Physical Journal B, 2014, 87, 1.	0.6	41
122	Stepwise introduction of model complexity in a generalized master equation approach to time-dependent transport. Fortschritte Der Physik, 2013, 61, 305-316.	1.5	29
123	Dicke states in multiple quantum dots. Physical Review A, 2013, 88, .	1.0	6
124	Snaking states on a cylindrical surface in a perpendicular magnetic field. European Physical Journal B, 2013, 86, 1.	0.6	17
125	Vacuum microdiodes as tunable THz oscillators. , 2013, , .		0
126	Magnetic-field-influenced nonequilibrium transport through a quantum ring with correlated electrons in a photon cavity. Physical Review B, 2013, 87, .	1.1	19

#	ARTICLE	IF	CITATIONS
127	Tunability of the terahertz space-charge modulation in a vacuum microdiode. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	15
128	Symmetric excitation and de-excitation of a cavity QED system. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	1
129	Thermoelectric current and Coulomb-blockade plateaus in a quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 53, 178-185.	1.3	14
130	Electron transport through a quantum dot assisted by cavity photons. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 465302.	0.7	16
131	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, .	1.1	19
132	Weak localization in a lateral superlattice with Rashba and Dresselhaus spin-orbit interaction. <i>Physical Review B</i> , 2012, 85, .	1.1	3
133	Parametric survey of space-charge modulations in vacuum microdiodes. , 2012, , .		0
134	Excitation of collective modes in a quantum flute. <i>Physical Review B</i> , 2012, 85, .	1.1	3
135	Nonperturbative approach to circuit quantum electrodynamics. <i>Physical Review E</i> , 2012, 86, 046701.	0.8	14
136	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	7
137	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	1
138	Generalized Master equation approach to mesoscopic time-dependent transport. <i>Journal of Physics: Conference Series</i> , 2012, 338, 012017.	0.3	1
139	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.	0.3	1
140	Quantum magneto-electrodynamics of electrons embedded in a photon cavity. <i>New Journal of Physics</i> , 2012, 14, 013036.	1.2	21
141	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.	1.3	12
142	Time-dependent transport of electrons through a photon cavity. <i>Physical Review B</i> , 2012, 85, .	1.1	37
143	Time-dependent magnetotransport in semiconductor nanostructures via the generalized master equation. <i>Computer Physics Communications</i> , 2011, 182, 46-48.	3.0	0
144	Turnstile pumping through an open quantum wire. <i>New Journal of Physics</i> , 2011, 13, 013014.	1.2	3

#	ARTICLE	IF	CITATIONS
145	Nonadiabatic generation of a pure spin current in a one-dimensional quantum ring with spin-orbit interaction. <i>Physical Review B</i> , 2011, 83, .	1.1	15
146	Electronic charge and spin density distribution in a quantum ring with spin-orbit and Coulomb interactions. <i>Physical Review B</i> , 2011, 84, .	1.1	33
147	Correlated time-dependent transport through a two-dimensional quantum structure. <i>Physical Review B</i> , 2010, 81, .	1.1	8
148	Space-Charge Modulation in Vacuum Microdiodes at THz Frequencies. <i>Physical Review Letters</i> , 2010, 104, 175002.	2.9	56
149	Dynamic correlations induced by Coulomb interactions in coupled quantum dots. <i>Physical Review B</i> , 2010, 82, .	1.1	10
150	Coulomb interaction and transient charging of excited states in open nanosystems. <i>Physical Review B</i> , 2010, 81, .	1.1	39
151	Theoretical investigation of modulated currents in open nanostructures. <i>Physical Review B</i> , 2009, 80, .	1.1	8
152	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.	1.2	41
153	Geometrical effects and signal delay in time-dependent transport at the nanoscale. <i>New Journal of Physics</i> , 2009, 11, 073019.	1.2	43
154	Risk variants for atrial fibrillation on chromosome 4q25 associate with ischemic stroke. <i>Annals of Neurology</i> , 2008, 64, 402-409.	2.8	253
155	Genetic profile of ischemic cerebrovascular disease and carotid stenosis. <i>Acta Neurologica Scandinavica</i> , 2008, 118, 146-152.	1.0	14
156	A variant associated with nicotine dependence, lung cancer and peripheral arterial disease. <i>Nature</i> , 2008, 452, 638-642.	13.7	1,399
157	Common variants on chromosome 5p12 confer susceptibility to estrogen receptor- positive breast cancer. <i>Nature Genetics</i> , 2008, 40, 703-706.	9.4	412
158	The same sequence variant on 9p21 associates with myocardial infarction, abdominal aortic aneurysm and intracranial aneurysm. <i>Nature Genetics</i> , 2008, 40, 217-224.	9.4	668
159	Common sequence variants on 2p15 and Xp11.22 confer susceptibility to prostate cancer. <i>Nature Genetics</i> , 2008, 40, 281-283.	9.4	357
160	Transient regime in nonlinear transport through many-level quantum dots. <i>Physical Review B</i> , 2007, 76, .	1.1	44
161	Nonadiabatic transport in a quantum dot turnstile. <i>Physical Review B</i> , 2007, 76, .	1.1	28
162	A Common Variant on Chromosome 9p21 Affects the Risk of Myocardial Infarction. <i>Science</i> , 2007, 316, 1491-1493.	6.0	1,485

#	ARTICLE	IF	CITATIONS
163	PDE4D and ALOX5AP genetic variants and risk for Ischemic Cerebrovascular Disease in Sweden. Journal of the Neurological Sciences, 2007, 263, 113-117.	0.3	38
164	Genetic determinants of hair, eye and skin pigmentation in Europeans. Nature Genetics, 2007, 39, 1443-1452.	9.4	659
165	Genome-wide association study identifies a second prostate cancer susceptibility variant at 8q24. Nature Genetics, 2007, 39, 631-637.	9.4	818
166	Two variants on chromosome 17 confer prostate cancer risk, and the one in TCF2 protects against type 2 diabetes. Nature Genetics, 2007, 39, 977-983.	9.4	670
167	Common variants on chromosomes 2q35 and 16q12 confer susceptibility to estrogen receptor- α positive breast cancer. Nature Genetics, 2007, 39, 865-869.	9.4	774
168	A variant of the gene encoding leukotriene A4 hydrolase confers ethnicity-specific risk of myocardial infarction. Nature Genetics, 2006, 38, 68-74.	9.4	339
169	Variant of transcription factor 7-like 2 (TCF7L2) gene confers risk of type 2 diabetes. Nature Genetics, 2006, 38, 320-323.	9.4	2,005
170	A common variant associated with prostate cancer in European and African populations. Nature Genetics, 2006, 38, 652-658.	9.4	738
171	Net current generation in a 1D quantum ring at zero magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 278-283.	1.3	17
172	Multi-mode transport through a quantum nanowire with two embedded dots. European Physical Journal B, 2005, 45, 339-345.	0.6	3
173	Bound state with negative binding energy induced by coherent transport in a two-dimensional quantum wire. Physical Review B, 2005, 72, .	1.1	10
174	Fano regime of one-dot Aharonov-Bohm interferometers. Physical Review B, 2005, 72, .	1.1	11
175	Transport through a quantum ring, dot, and barrier embedded in a nanowire in magnetic field. Physical Review B, 2005, 71, .	1.1	28
176	Effects of a 5-Lipoxygenase- α Activating Protein Inhibitor on Biomarkers Associated With Risk of Myocardial Infarction. JAMA - Journal of the American Medical Association, 2005, 293, 2245.	3.8	212
177	Association between the Gene Encoding 5-Lipoxygenase- α Activating Protein and Stroke Replicated in a Scottish Population. American Journal of Human Genetics, 2005, 76, 505-509.	2.6	223
178	Coherent electronic transport in a multimode quantum channel with Gaussian-type scatterers. Physical Review B, 2004, 70, .	1.1	48
179	The gene encoding 5-lipoxygenase activating protein confers risk of myocardial infarction and stroke. Nature Genetics, 2004, 36, 233-239.	9.4	859
180	Non-Adiabatic Current Excitation in Quantum Rings. Physica Scripta, 2004, T114, 41-43.	1.2	2

#	ARTICLE	IF	CITATIONS
181	The inheritance of hand osteoarthritis in Iceland. <i>Arthritis and Rheumatism</i> , 2003, 48, 391-395.	6.7	51
182	The gene encoding phosphodiesterase 4D confers risk of ischemic stroke. <i>Nature Genetics</i> , 2003, 35, 131-138.	9.4	555
183	Nonadiabatic current generation in a finite width semiconductor ring. <i>Physical Review B</i> , 2003, 67, .	1.1	30
184	Impurity and spin effects on the magneto-spectroscopy of a THz-modulated nanostructure. <i>Physical Review B</i> , 2003, 68, .	1.1	2
185	Orbital magnetization of single and double quantum dots in a tight-binding model. <i>Physical Review B</i> , 2003, 67, .	1.1	21
186	Genetic factors contribute to the risk of developing endometriosis. <i>Human Reproduction</i> , 2002, 17, 555-559.	0.4	192
187	Linkage of Essential Hypertension to Chromosome 18q. <i>Hypertension</i> , 2002, 39, 1044-1049.	1.3	84
188	Neuregulin 1 and Susceptibility to Schizophrenia. <i>American Journal of Human Genetics</i> , 2002, 71, 877-892.	2.6	1,550
189	From single dots to interacting arrays. , 2002, , 213-235.		1
190	Plasmons and the drag effect in a strong magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 80-88.	1.3	4
191	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.	1.3	1
192	Characterization of Bernstein modes in quantum dots. <i>European Physical Journal B</i> , 2002, 28, 111-115.	0.6	2
193	Endometriosis is not associated with or linked to the GALT gene. <i>Fertility and Sterility</i> , 2001, 76, 1019-1022.	0.5	24
194	TWO-DIMENSIONAL ELECTRON SYSTEM IN ELECTROMAGNETIC RADIATION FIELD. <i>International Journal of Modern Physics B</i> , 2001, 15, 4245-4259.	1.0	1
195	Enhanced magnetization at integer quantum Hall states. <i>Physical Review B</i> , 2001, 64, .	1.1	16
196	Anisotropic scattering and quantum magnetoresistivities of a periodically modulated two-dimensional electron gas. <i>Physical Review B</i> , 2001, 63, .	1.1	9
197	Finite-size effects in the magnetization of periodic mesoscopic systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000, 6, 763-766.	1.3	0
198	The Perturbative Floquet Solution for Quasi-free Electrons. <i>Physica Scripta</i> , 2000, 62, 97-105.	1.2	1

#	ARTICLE	IF	CITATIONS
199	Many-Body Fermion Systems in the Floquet Formalism. <i>Physica Scripta</i> , 2000, 62, 433-445.	1.2	2
200	Magnetization in short-period mesoscopic electron systems. <i>Physical Review B</i> , 2000, 61, 4835-4843.	1.1	11
201	Coulomb effects on the transport properties of quantum dots in a strong magnetic field. <i>Physical Review B</i> , 2000, 63, .	1.1	13
202	Bistable resistance switching in a ferromagnetic quantum Hall system induced by exchange enhancement of the Zeeman energy. <i>Physical Review B</i> , 2000, 63, .	1.1	3
203	Hysteresis effect due to the exchange Coulomb interaction in short-period superlattices in tilted magnetic fields. <i>Physical Review B</i> , 2000, 61, R7858-R7860.	1.1	3
204	The Floquet Solution for Systems with Quadratic Form Hamiltonians. <i>Physica Scripta</i> , 1999, 59, 331-338.	1.2	4
205	Planar cyclotron motion in unidirectional superlattices defined by strong magnetic and electric fields: Traces of classical orbits in the energy spectrum. <i>Physical Review B</i> , 1999, 60, 5536-5548.	1.1	21
206	Memorization of short-range potential fluctuations in Landau levels. <i>Physical Review B</i> , 1999, 59, 5426-5430.	1.1	8
207	Collective modes and the far-infrared absorption of the two-dimensional electron gas in a periodic quantizing magnetic field. <i>Superlattices and Microstructures</i> , 1998, 23, 1169-1180.	1.4	3
208	Quantum analog of channeled electron trajectories in periodic magnetic and electric fields. <i>Physica B: Condensed Matter</i> , 1998, 256-258, 375-379.	1.3	1
209	Far-IR absorption of short-period quantum wires and the transition from one to two dimensions. <i>Physical Review B</i> , 1998, 57, 1668-1673.	1.1	1
210	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.	1.1	13
211	Specific plateaus of the quantum Hall effect induced by an applied bias. <i>Physical Review B</i> , 1997, 55, R13389-R13392.	1.1	6
212	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.	1.1	27
213	Coulomb interaction effects on the magnetoconductivity of laterally modulated two-dimensional electron systems. <i>Surface Science</i> , 1996, 361-362, 513-516.	0.8	8
214	Even-odd filling-factor switching in one-dimensional lateral superlattices. <i>Physical Review B</i> , 1996, 54, 16397-16400.	1.1	17
215	Density profile in a weakly modulated two-dimensional system in a magnetic field. <i>Physical Review B</i> , 1995, 52, 2831-2837.	1.1	4
216	Exchange-enhanced spin splitting in a two-dimensional electron system with lateral modulation. <i>Physical Review B</i> , 1995, 51, 1703-1713.	1.1	45

#	ARTICLE	IF	CITATIONS
217	Homogeneous-inhomogeneous transitions in a Landau level with spin splitting. European Physical Journal B, 1994, 94, 87-90.	0.6	1
218	Nonlinear screening of a totally occupied Landau level. Physical Review B, 1992, 45, 11829-11836.	1.1	4
219	Static dielectric susceptibility of the lowest Landau level. Physical Review B, 1992, 46, 2201-2207.	1.1	5
220	On the relationship between the static response and correlation functions of the spin magnetic moments. Physica A: Statistical Mechanics and Its Applications, 1990, 169, 421-429.	1.2	1
221	Constraints on the charge-correlation function for two-dimensional quantum systems. Physical Review A, 1990, 42, 2042-2046.	1.0	2
222	Some consequences of generalized-moment inequalities: Mass- and charge-response and correlation functions in multicomponent systems. Physical Review A, 1988, 37, 1760-1772.	1.0	6
223	Direct radiative recombination cross sections for arbitrary nS, nP and nD subshells. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 4615-4623.	1.6	0
224	Effect of s-p-d hybridization on the EXAFS phase-shifts in amorphous germanium. Journal of Non-Crystalline Solids, 1987, 97-98, 519-522.	1.5	2
225	Enhanced photoemission from surface modulated GaAs:Ge. Nano Select, 0, , .	1.9	3