

Andrei Manolescu

List of Publications by Year in descending order

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225
papers

17,282
citations

101384

36
h-index

14156

128
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228
all docs

228
docs citations

228
times ranked

19311
citing authors

#	ARTICLE	IF	CITATIONS
1	Variant of transcription factor 7-like 2 (TCF7L2) gene confers risk of type 2 diabetes. <i>Nature Genetics</i> , 2006, 38, 320-323.	9.4	2,005
2	Neuregulin 1 and Susceptibility to Schizophrenia. <i>American Journal of Human Genetics</i> , 2002, 71, 877-892.	2.6	1,550
3	A Common Variant on Chromosome 9p21 Affects the Risk of Myocardial Infarction. <i>Science</i> , 2007, 316, 1491-1493.	6.0	1,485
4	A variant associated with nicotine dependence, lung cancer and peripheral arterial disease. <i>Nature</i> , 2008, 452, 638-642.	13.7	1,399
5	The gene encoding 5-lipoxygenase activating protein confers risk of myocardial infarction and stroke. <i>Nature Genetics</i> , 2004, 36, 233-239.	9.4	859
6	Genome-wide association study identifies a second prostate cancer susceptibility variant at 8q24. <i>Nature Genetics</i> , 2007, 39, 631-637.	9.4	818
7	Common variants on chromosomes 2q35 and 16q12 confer susceptibility to estrogen receptor- α positive breast cancer. <i>Nature Genetics</i> , 2007, 39, 865-869.	9.4	774
8	A common variant associated with prostate cancer in European and African populations. <i>Nature Genetics</i> , 2006, 38, 652-658.	9.4	738
9	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, 977-983.	9.4	670
10	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
11	Genetic determinants of hair, eye and skin pigmentation in Europeans. <i>Nature Genetics</i> , 2007, 39, 1443-1452.	9.4	659
12	The gene encoding phosphodiesterase 4D confers risk of ischemic stroke. <i>Nature Genetics</i> , 2003, 35, 131-138.	9.4	555
13	Common variants on chromosome 5p12 confer susceptibility to estrogen receptor- α positive breast cancer. <i>Nature Genetics</i> , 2008, 40, 703-706.	9.4	412
14	Co-regulatory networks of human serum proteins link genetics to disease. <i>Science</i> , 2018, 361, 769-773.	6.0	375
15	Common sequence variants on 2p15 and Xp11.22 confer susceptibility to prostate cancer. <i>Nature Genetics</i> , 2008, 40, 281-283.	9.4	357
16	A variant of the gene encoding leukotriene A4 hydrolase confers ethnicity-specific risk of myocardial infarction. <i>Nature Genetics</i> , 2006, 38, 68-74.	9.4	339
17	Risk variants for atrial fibrillation on chromosome 4q25 associate with ischemic stroke. <i>Annals of Neurology</i> , 2008, 64, 402-409.	2.8	253
18	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

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19	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, 505-509.	2.6	223
20	Effects of a 5-Lipoxygenase-Activating Protein Inhibitor on Biomarkers Associated With Risk of Myocardial Infarction. <i>JAMA - Journal of the American Medical Association</i> , 2005, 293, 2245.	3.8	212
21	Genetic factors contribute to the risk of developing endometriosis. <i>Human Reproduction</i> , 2002, 17, 555-559.	0.4	192
22	Linkage of Essential Hypertension to Chromosome 18q. <i>Hypertension</i> , 2002, 39, 1044-1049.	1.3	84
23	Normal and Inverted Hysteresis in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11207-11214.	1.5	68
24	Space-Charge Modulation in Vacuum Microdiodes at THz Frequencies. <i>Physical Review Letters</i> , 2010, 104, 175002.	2.9	56
25	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
26	The inheritance of hand osteoarthritis in Iceland. <i>Arthritis and Rheumatism</i> , 2003, 48, 391-395.	6.7	51
27	Coherent electronic transport in a multimode quantum channel with Gaussian-type scatterers. <i>Physical Review B</i> , 2004, 70, .	1.1	48
28	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
29	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
30	Transient regime in nonlinear transport through many-level quantum dots. <i>Physical Review B</i> , 2007, 76, .	1.1	44
31	Geometrical effects and signal delay in time-dependent transport at the nanoscale. <i>New Journal of Physics</i> , 2009, 11, 073019.	1.2	43
32	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
33	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.	0.6	41
34	Coulomb interaction and transient charging of excited states in open nanosystems. <i>Physical Review B</i> , 2010, 81, .	1.1	39
35	PDE4D and ALOX5AP genetic variants and risk for Ischemic Cerebrovascular Disease in Sweden. <i>Journal of the Neurological Sciences</i> , 2007, 263, 113-117.	0.3	38
36	Time-dependent transport of electrons through a photon cavity. <i>Physical Review B</i> , 2012, 85, .	1.1	37

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37	Dynamic electrical behavior of halide perovskite based solar cells. Solar Energy Materials and Solar Cells, 2017, 159, 197-203.	3.0	37
38	Molecular dynamics simulations of field emission from a planar nanodiode. Physics of Plasmas, 2015, 22, .	0.7	36
39	Electronic charge and spin density distribution in a quantum ring with spin-orbit and Coulomb interactions. Physical Review B, 2011, 84, .	1.1	33
40	Nonadiabatic current generation in a finite width semiconductor ring. Physical Review B, 2003, 67, .	1.1	30
41	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
42	Transport through a quantum ring, dot, and barrier embedded in a nanowire in magnetic field. Physical Review B, 2005, 71, .	1.1	28
43	Nonadiabatic transport in a quantum dot turnstile. Physical Review B, 2007, 76, .	1.1	28
44	Molecular dynamics simulations of field emission from a prolate spheroidal tip. Physics of Plasmas, 2016, 23, .	0.7	28
45	Modeling electronic, mechanical, optical and thermal properties of graphene-like BC ₆ N materials: Role of prominent BN-bonds. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126807.	0.9	28
46	Effects of bonded and non-bonded B/N codoping of graphene on its stability, interaction energy, electronic structure, and power factor. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126350.	0.9	28
47	Coulomb effects on the quantum transport of a two-dimensional electron system in periodic electric and magnetic fields. Physical Review B, 1997, 56, 9707-9718.	1.1	27
48	Electron localization and optical absorption of polygonal quantum rings. Physical Review B, 2015, 91, .	1.1	26
49	Majorana states in prismatic core-shell nanowires. Physical Review B, 2017, 96, .	1.1	25
50	Reversal of Thermoelectric Current in Tubular Nanowires. Physical Review Letters, 2017, 119, 036804.	2.9	25
51	Endometriosis is not associated with or linked to the GALT gene. Fertility and Sterility, 2001, 76, 1019-1022.	0.5	24
52	Coulomb interaction effects on the Majorana states in quantum wires. Journal of Physics Condensed Matter, 2014, 26, 172203.	0.7	24
53	Adiabatic Edge Channel Transport in a Nanowire Quantum Point Contact Register. Nano Letters, 2016, 16, 4569-4575.	4.5	24
54	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

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55	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
56	Orbital magnetization of single and double quantum dots in a tight-binding model. <i>Physical Review B</i> , 2003, 67, .	1.1	21
57	Quantum magneto-electrodynamics of electrons embedded in a photon cavity. <i>New Journal of Physics</i> , 2012, 14, 013036.	1.2	21
58	Fractional Chern insulator phase at the transition between checkerboard and Lieb lattices. <i>Physical Review B</i> , 2015, 92, .	1.1	21
59	Cavity-Photon Controlled Thermoelectric Transport through a Quantum Wire. <i>ACS Photonics</i> , 2016, 3, 249-254.	3.2	21
60	SiGe nanocrystals in SiO ₂ with high photosensitivity from visible to short-wave infrared. <i>Scientific Reports</i> , 2020, 10, 3252.	1.6	21
61	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
62	Magnetic-field-influenced nonequilibrium transport through a quantum ring with correlated electrons in a photon cavity. <i>Physical Review B</i> , 2013, 87, .	1.1	19
63	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.	1.3	19
64	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
65	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
66	Even-odd filling-factor switching in one-dimensional lateral superlattices. <i>Physical Review B</i> , 1996, 54, 16397-16400.	1.1	17
67	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.	1.3	17
68	Snaking states on a cylindrical surface in a perpendicular magnetic field. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	17
69	Coupled Collective and Rabi Oscillations Triggered by Electron Transport through a Photon Cavity. <i>ACS Photonics</i> , 2015, 2, 930-934.	3.2	17
70	Multi-domain electromagnetic absorption of triangular quantum rings. <i>Nanotechnology</i> , 2016, 27, 225202.	1.3	17
71	Space-Charge Effects in the Field-Assisted Thermionic Emission from Nonuniform Cathodes. <i>Physical Review Applied</i> , 2021, 15, .	1.5	17
72	Enhanced magnetization at integer quantum Hall states. <i>Physical Review B</i> , 2001, 64, .	1.1	16

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73	Electron transport through a quantum dot assisted by cavity photons. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 465302.	0.7	16
74	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
75	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
76	Tunability of the terahertz space-charge modulation in a vacuum microdiode. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	15
77	Spin and impurity effects on flux-periodic oscillations in core-shell nanowires. <i>Physical Review B</i> , 2014, 90, .	1.1	15
78	Electronic and thermal conduction properties of halogenated porous graphene nanoribbons. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4435-4441.	2.7	15
79	Space-Charge Limited Current From a Finite Emitter in Nano- and Microdiodes. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 342-346.	1.6	15
80	Genetic profile of ischemic cerebrovascular disease and carotid stenosis. <i>Acta Neurologica Scandinavica</i> , 2008, 118, 146-152.	1.0	14
81	Nonperturbative approach to circuit quantum electrodynamics. <i>Physical Review E</i> , 2012, 86, 046701.	0.8	14
82	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
83	Signature of Snaking States in the Conductance of Core-Shell Nanowires. <i>Nano Letters</i> , 2015, 15, 254-258.	4.5	14
84	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
85	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
86	Coulomb effects on the transport properties of quantum dots in a strong magnetic field. <i>Physical Review B</i> , 2000, 63, .	1.1	13
87	Synchronization in Arrays of Vacuum Microdiodes. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 200-206.	1.6	13
88	Excitons in Core-Shell Nanowires with Polygonal Cross Sections. <i>Nano Letters</i> , 2018, 18, 2581-2589.	4.5	13
89	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
90	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.	1.9	13

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91	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
92	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
93	Conductance oscillations of core-shell nanowires in transversal magnetic fields. <i>Physical Review B</i> , 2016, 93, .	1.1	12
94	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
95	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
96	Enhanced photoconductivity of SiGe nanocrystals in SiO ₂ driven by mild annealing. <i>Applied Surface Science</i> , 2019, 469, 870-878.	3.1	12
97	Interlayer interaction controlling the properties of AB- and AA-stacked bilayer graphene-like BC14n and si2c14. <i>Surfaces and Interfaces</i> , 2020, 21, 100740.	1.5	12
98	Magnetization in short-period mesoscopic electron systems. <i>Physical Review B</i> , 2000, 61, 4835-4843.	1.1	11
99	Fano regime of one-dot Aharonov-Bohm interferometers. <i>Physical Review B</i> , 2005, 72, .	1.1	11
100	Terahertz pulsed photogenerated current in microdiodes at room temperature. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	11
101	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.	1.6	11
102	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
103	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
104	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
105	Electric field effect in boron and nitrogen doped graphene bilayers. <i>Computational Materials Science</i> , 2018, 155, 175-179.	1.4	11
106	Manifestation of the Purcell Effect in Current Transport through a Dot-Cavity-QED System. <i>Nanomaterials</i> , 2019, 9, 1023.	1.9	11
107	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
108	Enhanced photoconductivity of embedded SiGe nanoparticles by hydrogenation. <i>Applied Surface Science</i> , 2019, 479, 403-409.	3.1	11

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109	Bound state with negative binding energy induced by coherent transport in a two-dimensional quantum wire. <i>Physical Review B</i> , 2005, 72, .	1.1	10
110	Dynamic correlations induced by Coulomb interactions in coupled quantum dots. <i>Physical Review B</i> , 2010, 82, .	1.1	10
111	Coherent transient transport of interacting electrons through a quantum waveguide switch. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 015301.	0.7	10
112	Time-dependent current into and through multilevel parallel quantum dots in a photon cavity. <i>Physical Review B</i> , 2017, 95, .	1.1	10
113	Photon-induced tunability of the thermospin current in a Rashba ring. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 145303.	0.7	10
114	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
115	Conductance features of core-shell nanowires determined by their internal geometry. <i>Physical Review B</i> , 2018, 98, .	1.1	10
116	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
117	Anisotropic scattering and quantum magnetoresistivities of a periodically modulated two-dimensional electron gas. <i>Physical Review B</i> , 2001, 63, .	1.1	9
118	Excitation spectra of a quantum ring embedded in a photon cavity. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 015201.	1.0	9
119	In-gap corner states in core-shell polygonal quantum rings. <i>Scientific Reports</i> , 2017, 7, 40197.	1.6	9
120	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
121	Generalized Master Equation Approach to Time-Dependent Many-Body Transport. <i>Entropy</i> , 2019, 21, 731.	1.1	9
122	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
123	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.	1.7	9
124	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
125	Memorization of short-range potential fluctuations in Landau levels. <i>Physical Review B</i> , 1999, 59, 5426-5430.	1.1	8
126	Theoretical investigation of modulated currents in open nanostructures. <i>Physical Review B</i> , 2009, 80, .	1.1	8

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127	Correlated time-dependent transport through a two-dimensional quantum structure. <i>Physical Review B</i> , 2010, 81, .	1.1	8
128	Modelling J - V hysteresis in perovskite solar cells induced by voltage poling. <i>Physica Scripta</i> , 2019, 94, 125809.	1.2	8
129	Efficacy of annealing and fabrication parameters on photo-response of SiGe in TiO ₂ matrix. <i>Nanotechnology</i> , 2019, 30, 365604.	1.3	8
130	Obtaining SiGe nanocrystallites between crystalline TiO ₂ layers by HiPIMS without annealing. <i>Applied Surface Science</i> , 2020, 511, 145552.	3.1	8
131	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
132	Cavity-photon-switched coherent transient transport in a double quantum waveguide. <i>Journal of Applied Physics</i> , 2014, 116, 233104.	1.1	7
133	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.	1.3	7
134	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
135	Thermoelectric Inversion in a Resonant Quantum Dot-Cavity System in the Steady-State Regime. <i>Nanomaterials</i> , 2019, 9, 741.	1.9	7
136	On the role of ion potential energy in low energy HiPIMS deposition: An atomistic simulation. <i>Surface and Coatings Technology</i> , 2021, 426, 127726.	2.2	7
137	Some consequences of generalized-moment inequalities: Mass- and charge-response and correlation functions in multicomponent systems. <i>Physical Review A</i> , 1988, 37, 1760-1772.	1.0	6
138	Specific plateaus of the quantum Hall effect induced by an applied bias. <i>Physical Review B</i> , 1997, 55, R13389-R13392.	1.1	6
139	Dicke states in multiple quantum dots. <i>Physical Review A</i> , 2013, 88, .	1.0	6
140	Excitation of radial collective modes in a quantum dot: Beyond linear response. <i>Annalen Der Physik</i> , 2014, 526, 235-248.	0.9	6
141	Thermoelectric current in topological insulator nanowires with impurities. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1156-1161.	1.5	6
142	Cavity-Photon-Induced High-Order Transitions between Ground States of Quantum Dots. <i>Annalen Der Physik</i> , 2019, 531, 1900306.	0.9	6
143	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
144	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

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145	Effects of transverse geometry on the thermal conductivity of Si and Ge nanowires. <i>Surfaces and Interfaces</i> , 2022, 30, 101834.	1.5	6
146	Static dielectric susceptibility of the lowest Landau level. <i>Physical Review B</i> , 1992, 46, 2201-2207.	1.1	5
147	Coulomb interaction effects in a two-dimensional quantum well with spin-orbit interaction. <i>Physical Review B</i> , 2015, 91, .	1.1	5
148	Transmission of a microwave cavity coupled to localized Shiba states. <i>Physical Review B</i> , 2016, 93, .	1.1	5
149	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
150	Corner and side localization of electrons in irregular hexagonal semiconductor shells. <i>Nanotechnology</i> , 2019, 30, 454001.	1.3	5
151	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
152	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
153	Properties of BSi ₆ N monolayers derived by first-principle computation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 127, 114556.	1.3	5
154	Investigation of Opto-Electronic Properties and Stability of Mixed-Cation Mixed-Halide Perovskite Materials with Machine-Learning Implementation. <i>Energies</i> , 2021, 14, 5431.	1.6	5
155	Anisotropic light scattering by prismatic semiconductor nanowires. <i>Optics Express</i> , 2019, 27, 25502.	1.7	5
156	Nonlinear screening of a totally occupied Landau level. <i>Physical Review B</i> , 1992, 45, 11829-11836.	1.1	4
157	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
158	The Floquet Solution for Systems with Quadratic Form Hamiltonians. <i>Physica Scripta</i> , 1999, 59, 331-338.	1.2	4
159	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
160	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
161	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
162	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

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163	Majorana zero modes in nanowires with combined triangular and hexagonal geometry. Nanotechnology, 2020, 31, 354001.	1.3	4
164	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
165	Dynamics of a Field Emitted Beam From a Microscopic Inhomogeneous Cathode. IEEE Transactions on Electron Devices, 2021, 68, 2461-2466.	1.6	4
166	Edge Effect on the Current-Temperature Characteristic of Finite-Area Thermionic Cathodes. Physical Review Applied, 2021, 16, .	1.5	4
167	Enhanced electronic and optical responses of nitrogen- or boron-doped BeO monolayer: First principle computation. Superlattices and Microstructures, 2022, 162, 107102.	1.4	4
168	Collective modes and the far-infrared absorption of the two-dimensional electron gas in a periodic quantizing magnetic field. Superlattices and Microstructures, 1998, 23, 1169-1180.	1.4	3
169	Bistable resistance switching in a ferromagnetic quantum Hall system induced by exchange enhancement of the Zeeman energy. Physical Review B, 2000, 63, .	1.1	3
170	Hysteresis effect due to the exchange Coulomb interaction in short-period superlattices in tilted magnetic fields. Physical Review B, 2000, 61, R7858-R7860.	1.1	3
171	Multi-mode transport through a quantum nanowire with two embedded dots. European Physical Journal B, 2005, 45, 339-345.	0.6	3
172	Turnstile pumping through an open quantum wire. New Journal of Physics, 2011, 13, 013014.	1.2	3
173	Weak localization in a lateral superlattice with Rashba and Dresselhaus spin-orbit interaction. Physical Review B, 2012, 85, .	1.1	3
174	Excitation of collective modes in a quantum flute. Physical Review B, 2012, 85, .	1.1	3
175	Transparent boundary conditions for time-dependent electron transport in the R -matrix method with applications to nanostructured interfaces. Computer Physics Communications, 2016, 208, 109-116.	3.0	3
176	Hund and anti-Hund rules in circular molecules. Physical Review B, 2017, 96, .	1.1	3
177	Thermoelectric current in tubular nanowires in transverse electric and magnetic fields. Journal of Physics: Conference Series, 2017, 906, 012021.	0.3	3
178	The Influence of the Relaxation Time on the Dynamic Hysteresis in Perovskite Solar Cells. EPJ Web of Conferences, 2018, 173, 03017.	0.1	3
179	Enhanced photoemission from surface modulated GaAs:Ge. Nano Select, 0, , .	1.9	3
180	Thermoelectric properties of tubular nanowires in the presence of a transverse magnetic field. Nanotechnology, 2020, 31, 424006.	1.3	3

#	ARTICLE	IF	CITATIONS
181	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, 629, 413646.	1.3	3
182	Investigation of bi-particle states in gate-array-controlled quantum-dot systems aided by machine learning techniques. <i>Physica Scripta</i> , 2022, 97, 055813.	1.2	3
183	Effect of s-p-d hybridization on the EXAFS phase-shifts in amorphous germanium. <i>Journal of Non-Crystalline Solids</i> , 1987, 97-98, 519-522.	1.5	2
184	Constraints on the charge-correlation function for two-dimensional quantum systems. <i>Physical Review A</i> , 1990, 42, 2042-2046.	1.0	2
185	Many-Body Fermion Systems in the Floquet Formalism. <i>Physica Scripta</i> , 2000, 62, 433-445.	1.2	2
186	Characterization of Bernstein modes in quantum dots. <i>European Physical Journal B</i> , 2002, 28, 111-115.	0.6	2
187	Impurity and spin effects on the magneto-spectroscopy of a THz-modulated nanostructure. <i>Physical Review B</i> , 2003, 68, .	1.1	2
188	Non-Adiabatic Current Excitation in Quantum Rings. <i>Physica Scripta</i> , 2004, T114, 41-43.	1.2	2
189	Coherent nonlinear quantum model for composite fermions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1566-1570.	0.9	2
190	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
191	Electromagnetic field emitted by core-shell semiconductor nanowires driven by an alternating current. <i>Journal of Applied Physics</i> , 2021, 130, 034301.	1.1	2
192	On the relationship between the static response and correlation functions of the spin magnetic moments. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 169, 421-429.	1.2	1
193	Homogeneous-inhomogeneous transitions in a Landau level with spin splitting. <i>European Physical Journal B</i> , 1994, 94, 87-90.	0.6	1
194	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
195	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
196	The Perturbative Floquet Solution for Quasi-free Electrons. <i>Physica Scripta</i> , 2000, 62, 97-105.	1.2	1
197	TWO-DIMENSIONAL ELECTRON SYSTEM IN ELECTROMAGNETIC RADIATION FIELD. <i>International Journal of Modern Physics B</i> , 2001, 15, 4245-4259.	1.0	1
198	From single dots to interacting arrays. , 2002, , 213-235.		1

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	Generalized Master equation approach to mesoscopic time-dependent transport. <i>Journal of Physics: Conference Series</i> , 2012, 338, 012017.	0.3	1
202	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
203	Symmetric excitation and de-excitation of a cavity QED system. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	1
204	Spontaneous generation of entangled exciton in quantum dot systems. <i>Optical and Quantum Electronics</i> , 2014, 46, 613-621.	1.5	1
205	Symmetry dependent electron localization and optical absorption of polygonal quantum rings. , 2015, , .		1
206	Electronic states in core-shell quantum rings. , 2016, , .		1
207	Solid-state dewetting of silver-thin films: self-assembled nano-geometries. <i>IOP SciNotes</i> , 2020, 1, 035203.	0.4	1
208	Unified approach to cyclotron and plasmon resonances in a periodic two-dimensional GaAs electron gas hosting the Hofstadter butterfly. <i>Physical Review B</i> , 2022, 105, .	1.1	1
209	Direct radiative recombination cross sections for arbitrary nS, nP and nD subshells. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, 4615-4623.	1.6	0
210	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
211	Time-dependent magnetotransport in semiconductor nanostructures via the generalized master equation. <i>Computer Physics Communications</i> , 2011, 182, 46-48.	3.0	0
212	Parametric survey of space-charge modulations in vacuum microdiodes. , 2012, , .		0
213	Vacuum microdiodes as tunable THz oscillators. , 2013, , .		0
214	Molecular dynamics simulations of field emission from a planar nanodiode and prolate spheroidal tip. , 2014, , .		0
215	Synchronization of THz space-charge oscillation in arrays of vacuum microdiodes. , 2014, , .		0
216	Asymmetric Landau bands due to spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 225303.	0.7	0

#	ARTICLE	IF	CITATIONS
217	Shiba states coupled to a resonant cavity. AIP Conference Proceedings, 2017, , .	0.3	0
218	Controlled Coulomb effects in core-shell quantum rings. , 2017, , .		0
219	Molecular dynamics based investigation of contribution of discrete particle effects near cathode to beam emittance. , 2017, , .		0
220	High-fidelity Molecular Dynamics of Vacuum Nanoelectronics. , 2018, , .		0
221	Molecular dynamics simulations of vacuum diodes. , 2018, , .		0
222	Backaction effects in cavity-coupled quantum conductors. Physical Review B, 2019, 100, .	1.1	0
223	Transverse polarization light scattering in tubular semiconductor nanowires. , 2019, , .		0
224	Molecular Dynamics Code for Simulations of Vacuum Nanodiodes. , 2018, , .		0
225	Prostate cancer: an occupational hazard in Romania?. Romanian Journal of Occupational Medicine, 2019, 70, 38-45.	0.1	0