

# Andrei Manolescu

## List of Publications by Citations

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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	Variant of transcription factor 7-like 2 (TCF7L2) gene confers risk of type 2 diabetes. <i>Nature Genetics</i> , <b>2006</b> , 38, 320-3	36.3	1725
208	Neuregulin 1 and susceptibility to schizophrenia. <i>American Journal of Human Genetics</i> , <b>2002</b> , 71, 877-92	11	1371
207	A common variant on chromosome 9p21 affects the risk of myocardial infarction. <i>Science</i> , <b>2007</b> , 316, 1491-3	33.3	1322
206	A variant associated with nicotine dependence, lung cancer and peripheral arterial disease. <i>Nature</i> , <b>2008</b> , 452, 638-642	50.4	1239
205	The gene encoding 5-lipoxygenase activating protein confers risk of myocardial infarction and stroke. <i>Nature Genetics</i> , <b>2004</b> , 36, 233-9	36.3	770
204	Genome-wide association study identifies a second prostate cancer susceptibility variant at 8q24. <i>Nature Genetics</i> , <b>2007</b> , 39, 631-7	36.3	739
203	Common variants on chromosomes 2q35 and 16q12 confer susceptibility to estrogen receptor-positive breast cancer. <i>Nature Genetics</i> , <b>2007</b> , 39, 865-9	36.3	715
202	A common variant associated with prostate cancer in European and African populations. <i>Nature Genetics</i> , <b>2006</b> , 38, 652-8	36.3	661
201	Two variants on chromosome 17 confer prostate cancer risk, and the one in TCF2 protects against type 2 diabetes. <i>Nature Genetics</i> , <b>2007</b> , 39, 977-83	36.3	616
200	The same sequence variant on 9p21 associates with myocardial infarction, abdominal aortic aneurysm and intracranial aneurysm. <i>Nature Genetics</i> , <b>2008</b> , 40, 217-24	36.3	596
199	Genetic determinants of hair, eye and skin pigmentation in Europeans. <i>Nature Genetics</i> , <b>2007</b> , 39, 1443-5	36.3	545
198	The gene encoding phosphodiesterase 4D confers risk of ischemic stroke. <i>Nature Genetics</i> , <b>2003</b> , 35, 131-8	36.3	496
197	Common variants on chromosome 5p12 confer susceptibility to estrogen receptor-positive breast cancer. <i>Nature Genetics</i> , <b>2008</b> , 40, 703-6	36.3	378
196	Common sequence variants on 2p15 and Xp11.22 confer susceptibility to prostate cancer. <i>Nature Genetics</i> , <b>2008</b> , 40, 281-3	36.3	327
195	A variant of the gene encoding leukotriene A4 hydrolase confers ethnicity-specific risk of myocardial infarction. <i>Nature Genetics</i> , <b>2006</b> , 38, 68-74	36.3	304
194	Risk variants for atrial fibrillation on chromosome 4q25 associate with ischemic stroke. <i>Annals of Neurology</i> , <b>2008</b> , 64, 402-9	9.4	208
193	Association between the gene encoding 5-lipoxygenase-activating protein and stroke replicated in a Scottish population. <i>American Journal of Human Genetics</i> , <b>2005</b> , 76, 505-9	11	207

192	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> , <b>2005</b> , 293, 2245-56	27.4	187
191	Co-regulatory networks of human serum proteins link genetics to disease. <i>Science</i> , <b>2018</b> , 361, 769-773	33.3	183
190	Genetic factors contribute to the risk of developing endometriosis. <i>Human Reproduction</i> , <b>2002</b> , 17, 555-57	9.7	171
189	Iodine Migration and Degradation of Perovskite Solar Cells Enhanced by Metallic Electrodes. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 5168-5175	6.4	157
188	Linkage of essential hypertension to chromosome 18q. <i>Hypertension</i> , <b>2002</b> , 39, 1044-9	8.5	75
187	Normal and Inverted Hysteresis in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11207-11214	9.7	114
186	Coherent electronic transport in a multimode quantum channel with Gaussian-type scatterers. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	45
185	The inheritance of hand osteoarthritis in Iceland. <i>Arthritis and Rheumatism</i> , <b>2003</b> , 48, 391-5		45
184	Exchange-enhanced spin splitting in a two-dimensional electron system with lateral modulation. <i>Physical Review B</i> , <b>1995</b> , 51, 1703-1713	3.3	45
183	How measurement protocols influence the dynamic J-V characteristics of perovskite solar cells: Theory and experiment. <i>Solar Energy</i> , <b>2018</b> , 173, 976-983	6.8	44
182	Transient regime in nonlinear transport through many-level quantum dots. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	43
181	Space-charge modulation in vacuum microdiodes at THz frequencies. <i>Physical Review Letters</i> , <b>2010</b> , 104, 175002	7.4	42
180	Geometrical effects and signal delay in time-dependent transport at the nanoscale. <i>New Journal of Physics</i> , <b>2009</b> , 11, 073019	2.9	42
179	Collective Behavior of Molecular Dipoles in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 19674-19680	3.4	40
178	Time-dependent transport via the generalized master equation through a finite quantum wire with an embedded subsystem. <i>New Journal of Physics</i> , <b>2009</b> , 11, 113007	2.9	40
177	PDE4D and ALOX5AP genetic variants and risk for Ischemic Cerebrovascular Disease in Sweden. <i>Journal of the Neurological Sciences</i> , <b>2007</b> , 263, 113-7	3.2	37
176	Time-dependent transport of electrons through a photon cavity. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	36
175	Coulomb interaction and transient charging of excited states in open nanosystems. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	35

174	Stepwise introduction of model complexity in a generalized master equation approach to time-dependent transport. <i>Fortschritte Der Physik</i> , <b>2013</b> , 61, 305-316	5.7	28
173	Transport through a quantum ring, dot, and barrier embedded in a nanowire in magnetic field. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	28
172	Nonadiabatic current generation in a finite width semiconductor ring. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	27
171	Dynamic electrical behavior of halide perovskite based solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 159, 197-203	6.4	26
170	Coulomb effects on the quantum transport of a two-dimensional electron system in periodic electric and magnetic fields. <i>Physical Review B</i> , <b>1997</b> , 56, 9707-9718	3.3	26
169	Nonadiabatic transport in a quantum dot turnstile. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	26
168	Electronic charge and spin density distribution in a quantum ring with spin-orbit and Coulomb interactions. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	25
167	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> , <b>2014</b> , 87, 1	1.2	24
166	Molecular dynamics simulations of field emission from a planar nanodiode. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 033109	2.1	23
165	Adiabatic Edge Channel Transport in a Nanowire Quantum Point Contact Register. <i>Nano Letters</i> , <b>2016</b> , 16, 4569-75	11.5	23
164	Majorana states in prismatic core-shell nanowires. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	21
163	Orbital magnetization of single and double quantum dots in a tight-binding model. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	21
162	Endometriosis is not associated with or linked to the GALT gene. <i>Fertility and Sterility</i> , <b>2001</b> , 76, 1019-22	4.8	21
161	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> , <b>1999</b> , 60, 5536-5548	3.3	21
160	Reversal of Thermoelectric Current in Tubular Nanowires. <i>Physical Review Letters</i> , <b>2017</b> , 119, 036804	7.4	20
159	Modeling electronic, mechanical, optical and thermal properties of graphene-like BC <sub>6</sub> N materials: Role of prominent BN-bonds. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2020</b> , 384, 126807	2.3	19
158	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> , <b>2020</b> , 384, 126350	2.3	19
157	Coulomb interaction effects on the Majorana states in quantum wires. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 172203	1.8	19

156	Cavity-Photon Controlled Thermoelectric Transport through a Quantum Wire. <i>ACS Photonics</i> , <b>2016</b> , 3, 249-254	6.3	18
155	Electron localization and optical absorption of polygonal quantum rings. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	18
154	Quantum magneto-electrodynamics of electrons embedded in a photon cavity. <i>New Journal of Physics</i> , <b>2012</b> , 14, 013036	2.9	18
153	Delocalization of electrons by cavity photons in transport through a quantum dot molecule. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2014</b> , 64, 254-262	3	17
152	Ab initio continuum model for the influence of local stress on cross-slip of screw dislocations in fcc metals. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	17
151	Snaking states on a cylindrical surface in a perpendicular magnetic field. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	16
150	Magnetic-field-influenced nonequilibrium transport through a quantum ring with correlated electrons in a photon cavity. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	16
149	Fractional Chern insulator phase at the transition between checkerboard and Lieb lattices. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	16
148	Electron transport through a quantum dot assisted by cavity photons. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 465302	1.8	16
147	Even-odd filling-factor switching in one-dimensional lateral superlattices. <i>Physical Review B</i> , <b>1996</b> , 54, 16397-16400	3.3	16
146	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> , <b>2018</b> , 382, 1672-1678	2.3	15
145	Efficient determination of the Markovian time-evolution towards a steady-state of a complex open quantum system. <i>Computer Physics Communications</i> , <b>2017</b> , 220, 81-90	4.2	15
144	Spin and impurity effects on flux-periodic oscillations in core-shell nanowires. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	15
143	Nonadiabatic generation of a pure spin current in a one-dimensional quantum ring with spin-orbit interaction. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	15
142	Net current generation in a 1D quantum ring at zero magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2005</b> , 27, 278-283	3	15
141	Cavity-photon contribution to the effective interaction of electrons in parallel quantum dots. <i>Annalen Der Physik</i> , <b>2016</b> , 528, 394-403	2.6	14
140	Thermoelectric current and Coulomb-blockade plateaus in a quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2013</b> , 53, 178-185	3	14
139	Enhanced magnetization at integer quantum Hall states. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	14

138	Molecular dynamics simulations of field emission from a prolate spheroidal tip. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 123119	2.1	14
137	Coupled Collective and Rabi Oscillations Triggered by Electron Transport through a Photon Cavity. <i>ACS Photonics</i> , <b>2015</b> , 2, 930-934	6.3	13
136	Signature of snaking states in the conductance of core-shell nanowires. <i>Nano Letters</i> , <b>2015</b> , 15, 254-8	11.5	13
135	Genetic profile of ischemic cerebrovascular disease and carotid stenosis. <i>Acta Neurologica Scandinavica</i> , <b>2008</b> , 118, 146-52	3.8	13
134	Coulomb effects on the transport properties of quantum dots in a strong magnetic field. <i>Physical Review B</i> , <b>2000</b> , 63,	3.3	13
133	Density modulation and electrostatic self-consistency in a two-dimensional electron gas subject to a periodic quantizing magnetic field. <i>Physical Review B</i> , <b>1998</b> , 57, 1680-1689	3.3	13
132	Electronic and thermal conduction properties of halogenated porous graphene nanoribbons. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4435-4441	7.1	12
131	Band alignment and charge transfer in rutile-TiO <sub>2</sub> /CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -xCl <sub>x</sub> interfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 30417-23	3.6	12
130	SiGe nanocrystals in SiO with high photosensitivity from visible to short-wave infrared. <i>Scientific Reports</i> , <b>2020</b> , 10, 3252	4.9	12
129	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> , <b>2017</b> , 529, 1600177	2.6	12
128	Nonperturbative approach to circuit quantum electrodynamics. <i>Physical Review E</i> , <b>2012</b> , 86, 046701	2.4	12
127	Conductance oscillations of core-shell nanowires in transversal magnetic fields. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	11
126	Fano regime of one-dot Aharonov-Bohm interferometers. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	11
125	Enhanced photoconductivity of SiGe nanocrystals in SiO <sub>2</sub> driven by mild annealing. <i>Applied Surface Science</i> , <b>2019</b> , 469, 870-878	6.7	11
124	Electroluminescence Caused by the Transport of Interacting Electrons through Parallel Quantum Dots in a Photon Cavity. <i>Annalen Der Physik</i> , <b>2018</b> , 530, 1700334	2.6	11
123	Electric field effect in boron and nitrogen doped graphene bilayers. <i>Computational Materials Science</i> , <b>2018</b> , 155, 175-179	3.2	11
122	The hysteresis-free behavior of perovskite solar cells from the perspective of the measurement conditions. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5267-5274	7.1	10
121	Breakdown of Corner States and Carrier Localization by Monolayer Fluctuations in Radial Nanowire Quantum Wells. <i>Nano Letters</i> , <b>2019</b> , 19, 3336-3343	11.5	10

120	Excitons in Core-Shell Nanowires with Polygonal Cross Sections. <i>Nano Letters</i> , <b>2018</b> , 18, 2581-2589	11.5	10
119	Time-dependent current into and through multilevel parallel quantum dots in a photon cavity. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	10
118	Coherent transient transport of interacting electrons through a quantum waveguide switch. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 015301	1.8	10
117	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> , <b>2012</b> , 46, 12-20	3	10
116	Magnetization in short-period mesoscopic electron systems. <i>Physical Review B</i> , <b>2000</b> , 61, 4835-4843	3.3	10
115	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> , <b>2021</b> , 129, 114644 <sup>3</sup>		10
114	Space-Charge Limited Current From a Finite Emitter in Nano- and Microdiodes. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 342-346	2.9	10
113	Robust topological phase in proximitized core-shell nanowires coupled to multiple superconductors. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 1512-1526	3	10
112	Atomistic Simulations of Methylammonium Lead Halide Layers on PbTiO <sub>3</sub> (001) Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 9096-9109	3.8	9
111	Coexisting spin and Rabi oscillations at intermediate time regimes in electron transport through a photon cavity. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 606-616	3	9
110	Synchronization in Arrays of Vacuum Microdiodes. <i>IEEE Transactions on Electron Devices</i> , <b>2015</b> , 62, 200-206		9
109	Excitation spectra of a quantum ring embedded in a photon cavity. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 015201	1.7	9
108	Spin-dependent heat and thermoelectric currents in a Rashba ring coupled to a photon cavity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2018</b> , 95, 102-107	3	9
107	Optical switching of electron transport in a waveguide-QED system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 84, 280-284	3	9
106	The photocurrent generated by photon replica states of an off-resonantly coupled dot-cavity system. <i>Scientific Reports</i> , <b>2019</b> , 9, 14703	4.9	9
105	Bound state with negative binding energy induced by coherent transport in a two-dimensional quantum wire. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	9
104	Anisotropic scattering and quantum magnetoresistivities of a periodically modulated two-dimensional electron gas. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	9
103	Interlayer interaction controlling the properties of AB- and AA-stacked bilayer graphene-like BC14n and si2c14. <i>Surfaces and Interfaces</i> , <b>2020</b> , 21, 100740	4.1	9

102	Multi-domain electromagnetic absorption of triangular quantum rings. <i>Nanotechnology</i> , <b>2016</b> , 27, 225203-4	3.4	9
101	Replication study of 34 common SNPs associated with prostate cancer in the Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , <b>2016</b> , 20, 594-600	5.6	9
100	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> , <b>2018</b> , 382, 199-204	2.3	9
99	In-gap corner states in core-shell polygonal quantum rings. <i>Scientific Reports</i> , <b>2017</b> , 7, 40197	4.9	8
98	Molecular Dynamics Simulations of Mutual Space-Charge Effect Between Planar Field Emitters. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 1967-1973	1.3	8
97	Photon-induced tunability of the thermospin current in a Rashba ring. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 145303	1.8	8
96	Manifestation of the Purcell Effect in Current Transport through a Dot-Cavity-QED System. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	8
95	Tunability of the terahertz space-charge modulation in a vacuum microdiode. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 023107	2.1	8
94	Correlated time-dependent transport through a two-dimensional quantum structure. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	8
93	Dynamic correlations induced by Coulomb interactions in coupled quantum dots. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	8
92	Theoretical investigation of modulated currents in open nanostructures. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	8
91	Memorization of short-range potential fluctuations in Landau levels. <i>Physical Review B</i> , <b>1999</b> , 59, 5426-5430	3.0	8
90	Impact of a circularly polarized cavity photon field on the charge and spin flow through an Aharonov-Bohm ring. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2014</b> , 60, 170-182	3	7
89	Terahertz pulsed photogenerated current in microdiodes at room temperature. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 203508	3.4	7
88	Cavity-photon-switched coherent transient transport in a double quantum waveguide. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 233104	2.5	7
87	Coulomb interaction effects on the magnetoconductivity of laterally modulated two-dimensional electron systems. <i>Surface Science</i> , <b>1996</b> , 361-362, 513-516	1.8	7
86	Space-Charge Effects in the Field-Assisted Thermionic Emission from Nonuniform Cathodes. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	7
85	Gap Prediction in Hybrid Graphene-Hexagonal Boron Nitride Nanoflakes Using Artificial Neural Networks. <i>Journal of Nanomaterials</i> , <b>2019</b> , 2019, 1-8	3.2	6



84	Thermoelectric Inversion in a Resonant Quantum Dot-Cavity System in the Steady-State Regime. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	6
83	Conductance features of core-shell nanowires determined by their internal geometry. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	6
82	Thermoelectric current in topological insulator nanowires with impurities. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 1156-1161	3	6
81	Dicke states in multiple quantum dots. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	6
80	Reduction of ballistic spin scattering in a spin-FET using stray electric fields. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 338, 012012	0.3	6
79	Specific plateaus of the quantum Hall effect induced by an applied bias. <i>Physical Review B</i> , <b>1997</b> , 55, R13389-R13392	3.9	6
78	Some consequences of generalized-moment inequalities: Mass- and charge-response and correlation functions in multicomponent systems. <i>Physical Review A</i> , <b>1988</b> , 37, 1760-1772	2.6	6
77	Competition of static magnetic and dynamic photon forces in electronic transport through a quantum dot. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 375301	1.8	6
76	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> , <b>2021</b> , 155, 110095	3.9	6
75	Efficacy of annealing and fabrication parameters on photo-response of SiGe in TiO matrix. <i>Nanotechnology</i> , <b>2019</b> , 30, 365604	3.4	5
74	Generalized Master Equation Approach to Time-Dependent Many-Body Transport. <i>Entropy</i> , <b>2019</b> , 21,	2.8	5
73	Static dielectric susceptibility of the lowest Landau level. <i>Physical Review B</i> , <b>1992</b> , 46, 2201-2207	3.3	5
72	Enhanced photoconductivity of embedded SiGe nanoparticles by hydrogenation. <i>Applied Surface Science</i> , <b>2019</b> , 479, 403-409	6.7	5
71	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> , <b>2020</b> , 119, 113996	3.6	4
70	Obtaining SiGe nanocrystallites between crystalline TiO <sub>2</sub> layers by HiPIMS without annealing. <i>Applied Surface Science</i> , <b>2020</b> , 511, 145552	6.7	4
69	Profile of common prostate cancer risk variants in an unscreened Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 1574-1582	5.6	4
68	Transmission of a microwave cavity coupled to localized Shiba states. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	4
67	Modelling J-V hysteresis in perovskite solar cells induced by voltage poling. <i>Physica Scripta</i> , <b>2019</b> , 94, 125809	2.6	4

66	Coulomb interaction effects in a two-dimensional quantum well with spin-orbit interaction. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	4
65	Excitation of radial collective modes in a quantum dot: Beyond linear response. <i>Annalen Der Physik</i> , <b>2014</b> , 526, 235-248	2.6	4
64	The Floquet Solution for Systems with Quadratic Form Hamiltonians. <i>Physica Scripta</i> , <b>1999</b> , 59, 331-338	2.6	4
63	Nonlinear screening of a totally occupied Landau level. <i>Physical Review B</i> , <b>1992</b> , 45, 11829-11836	3.3	4
62	Identification of Lynch syndrome risk variants in the Romanian population. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 6068-6076	5.6	4
61	Electric and thermoelectric properties of graphene bilayers with extrinsic impurities under applied electric field. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 561, 9-15	2.8	3
60	Majorana zero modes in nanowires with combined triangular and hexagonal geometry. <i>Nanotechnology</i> , <b>2020</b> , 31, 354001	3.4	3
59	Thermoelectric current in tubular nanowires in transverse electric and magnetic fields. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 906, 012021	0.3	3
58	Turnstile pumping through an open quantum wire. <i>New Journal of Physics</i> , <b>2011</b> , 13, 013014	2.9	3
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