

# Maciej WoÅ,oszyn

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2344793/publications.pdf>

Version: 2024-02-01

50  
papers

255  
citations

1040056

9  
h-index

1058476

14  
g-index

50  
all docs

50  
docs citations

50  
times ranked

167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Order-disorder phase transition in a cliquy social network. <i>European Physical Journal B</i> , 2007, 57, 331-335.	1.5	48
2	Spin transistor operation driven by the Rashba spin-orbit coupling in the gated nanowire. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	21
3	The Heider balance and the looking-glass self: modelling dynamics of social relations. <i>Scientific Reports</i> , 2019, 9, 11202.	3.3	18
4	Intrinsic oscillations of spin current polarization in a paramagnetic resonant tunneling diode. <i>Physical Review B</i> , 2012, 86, .	3.2	16
5	Phase transitions in Nowak's Sznajd opinion dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 378, 453-458.	2.6	13
6	Spin filter effect at room temperature in GaN/GaMnN ferromagnetic resonant tunnelling diode. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	13
7	Spin splitting generated in a Y-shaped semiconductor nanostructure with a quantum point contact. <i>Journal of Applied Physics</i> , 2015, 118, 014302.	2.5	13
8	Towards the Heider balance with a cellular automaton. <i>Physica D: Nonlinear Phenomena</i> , 2020, 411, 132556.	2.8	13
9	Self-consistent Wigner distribution function study of gate-voltage controlled triple-barrier resonant tunnelling diode. <i>Semiconductor Science and Technology</i> , 2009, 24, 095012.	2.0	9
10	Nonclassical properties of electronic states of aperiodic chains in a homogeneous electric field. <i>Physical Review B</i> , 2009, 80, .	3.2	8
11	Intrinsic current oscillations in an asymmetric triple-barrier resonant tunnelling diode. <i>Semiconductor Science and Technology</i> , 2010, 25, 125012.	2.0	7
12	Phase-space description of wave packet approach to electronic transport in nanoscale systems. <i>Semiconductor Science and Technology</i> , 2013, 28, 105022.	2.0	7
13	Dynamical localisation of conduction electrons in one-dimensional disordered systems. <i>Journal of Computational Electronics</i> , 2015, 14, 916-921.	2.5	6
14	Wigner distribution function description of a multilayered nanostructure with magnetic impurities. <i>Journal of Physics: Conference Series</i> , 2009, 193, 012130.	0.4	5
15	Resonant Landau-Zener transitions in a helical magnetic field. <i>Semiconductor Science and Technology</i> , 2015, 30, 065007.	2.0	5
16	Dissipative transport of thermalized electrons through a nanodevice. <i>Physical Review B</i> , 2017, 96, .	3.2	5
17	Multifractal analysis of the electronic states in the Fibonacci superlattice under weak electric fields. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	4
18	Phase-space description of the coherent state dynamics in a small one-dimensional system. <i>Open Physics</i> , 2016, 14, 354-359.	1.7	4

#	ARTICLE	IF	CITATIONS
19	Expulsion from structurally balanced paradise. <i>Chaos</i> , 2020, 30, 121103.	2.5	4
20	Application of Non-Classical Distribution Function to Transport Properties of Semiconductor Nanodevices. <i>Acta Physica Polonica A</i> , 2008, 114, 1431-1436.	0.5	4
21	Hysteresis loops of spin-dependent electronic current in a paramagnetic resonant tunnelling diode. <i>Semiconductor Science and Technology</i> , 2012, 27, 115004.	2.0	3
22	Tuning of terahertz intrinsic oscillations in asymmetric triple-barrier resonant tunneling diodes. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	3
23	All-electrical manipulation of electron spin in a semiconductor nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 59, 19-26.	2.7	3
24	Influence of Geometrical Parameters on the Transport Characteristics of Gated Core-Multishell Nanowires. <i>Acta Physica Polonica A</i> , 2016, 129, A-111-A-113.	0.5	3
25	The Phase-Space Approach to time Evolution of Quantum States in Confined Systems: the Spectral Split-Operator Method. <i>International Journal of Applied Mathematics and Computer Science</i> , 2019, 29, 439-451.	1.5	3
26	Phase-Space Approach to Time Evolution of Quantum States in Confined Systems. The Spectral Split-Operator Method. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 307-320.	0.6	3
27	Thermal properties of structurally balanced systems on diluted and densified triangulations. <i>Physical Review E</i> , 2022, 105, 024301.	2.1	3
28	Influence of Barrier Width on Spin-Polarisation Measured by Point Contact Andreev Reflection. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 939-943.	1.8	2
29	Periodicity of resonant tunneling current induced by the Stark resonances in semiconductor nanowire. <i>Journal of Applied Physics</i> , 2013, 114, 164301.	2.5	2
30	Transition from positive to negative magnetoresistance induced by a constriction in semiconductor nanowire. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 83, 127-134.	2.7	2
31	Phase-space studies of backscattering diffraction of defective Schrödinger cat states. <i>Scientific Reports</i> , 2021, 11, 11619.	3.3	1
32	Phase Space Description of Localization in Disordered One-Dimensional Systems. <i>Acta Physica Polonica A</i> , 2006, 110, 523-535.	0.5	1
33	Spin-Dependent Transport through Metallic System with Magnetic Impurities. <i>Acta Physica Polonica A</i> , 2009, 115, 266-268.	0.5	1
34	Simulation of Spin-Dependent Electronic Transport through Resonant Tunnelling Diode with Paramagnetic Quantum Well. <i>Acta Physica Polonica A</i> , 2011, 119, 648-650.	0.5	1
35	Correlation between Charge Transport and Photoelectrochemical Performance of TiO <sub>2</sub> Thin Films. <i>Acta Physica Polonica A</i> , 2019, 136, 645-648.	0.5	1
36	Density of states in structurally disordered 1D chains of atoms. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4200-4205.	3.1	0

#	ARTICLE	IF	CITATIONS
37	Influence of Dephasing and Geometrical Parameters on Quantum Correction to DC Conductance of Cylindrical Nanowires. Acta Physica Polonica A, 2013, 124, 838-840.	0.5	0
38	Stark Resonances Induced by the Exchangeâ€“Correlation Potential in Piezoelectric Nanowires. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700248.	2.4	0
39	Stark Resonances Induced by the Exchangeâ€“Correlation Potential in Piezoelectric Nanowires (Phys.) Tj ETQq1 1 0,784314 rgBT /Over	2.4	0
40	Self-consistent Monte Carlo Solution of Wigner and Poisson Equations Using an Efficient Multigrid Approach. Studies in Computational Intelligence, 2021, , 60-67.	0.9	0
41	Effect of Structural Disorder on the Electronic Density of States in One-Dimensional Chain of Atoms. Lecture Notes in Computer Science, 2004, , 630-633.	1.3	0
42	Quantum Kinetic Theory of the '2kF' Scattering Mechanism for Three-Dimensional Structurally Disordered Systems in the Ioffe-Regel limit. Acta Physica Polonica A, 2015, 128, 213-215.	0.5	0
43	Spin Conductance of Nanowires with Double Coupled Quantum Dots. Acta Physica Polonica A, 2016, 129, A-114-A-116.	0.5	0
44	Transport Characteristics of Gated Core-Multishell Nanowires: Self-Consistent Approach. Acta Physica Polonica A, 2016, 130, 1190-1192.	0.5	0
45	Phase-Space Approach to the Position-Momentum Correlations of the Conduction Electron States in a Double-Barrier Resonant Nanosystem. Acta Physica Polonica A, 2017, 132, 106-108.	0.5	0
46	Effect of Reservoirs on Transport Properties of Doped Structures. Acta Physica Polonica A, 2018, 134, 923-925.	0.5	0
47	Effect of Reservoirs on Transport Properties of Doped Structures Acta Physica Polonica A 134, 923 (2018), ERRATUM. Acta Physica Polonica A, 2018, 134, 1248-1249.	0.5	0
48	Effect of Elastic and Inelastic Scattering on Electronic Transport in Open Systems. Advances in Intelligent Systems and Computing, 2020, , 296-306.	0.6	0
49	Boltzmann Approach to the Problem of Transient Currents in Electronic Devices. Acta Physica Polonica A, 2019, 135, 1271-1274.	0.5	0
50	The Effect of Elastic and Inelastic Scattering on Electronic Transport in Open Systems. International Journal of Applied Mathematics and Computer Science, 2019, 29, 427-437.	1.5	0