

Maciej WoÅ,oszyn

List of Publications by Year in descending order

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50
papers

255
citations

1040056

9
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1058476

14
g-index

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all docs

50
docs citations

50
times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal properties of structurally balanced systems on diluted and densified triangulations. <i>Physical Review E</i> , 2022, 105, 024301.	2.1	3
2	Self-consistent Monte Carlo Solution of Wigner and Poisson Equations Using an Efficient Multigrid Approach. <i>Studies in Computational Intelligence</i> , 2021, , 60-67.	0.9	0
3	Phase-space studies of backscattering diffraction of defective Schrödinger cat states. <i>Scientific Reports</i> , 2021, 11, 11619.	3.3	1
4	Expulsion from structurally balanced paradise. <i>Chaos</i> , 2020, 30, 121103.	2.5	4
5	Towards the Heider balance with a cellular automaton. <i>Physica D: Nonlinear Phenomena</i> , 2020, 411, 132556.	2.8	13
6	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
7	Effect of Elastic and Inelastic Scattering on Electronic Transport in Open Systems. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 296-306.	0.6	0
8	The Heider balance and the looking-glass self: modelling dynamics of social relations. <i>Scientific Reports</i> , 2019, 9, 11202.	3.3	18
9	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
10	Boltzmann Approach to the Problem of Transient Currents in Electronic Devices. <i>Acta Physica Polonica A</i> , 2019, 135, 1271-1274.	0.5	0
11	The Effect of Elastic and Inelastic Scattering on Electronic Transport in Open Systems. <i>International Journal of Applied Mathematics and Computer Science</i> , 2019, 29, 427-437.	1.5	0
12	Correlation between Charge Transport and Photoelectrochemical Performance of TiO ₂ Thin Films. <i>Acta Physica Polonica A</i> , 2019, 136, 645-648.	0.5	1
13	Effect of Reservoirs on Transport Properties of Doped Structures. <i>Acta Physica Polonica A</i> , 2018, 134, 923-925.	0.5	0
14	Effect of Reservoirs on Transport Properties of Doped Structures <i>Acta Physica Polonica A</i> 134, 923 (2018), ERRATUM. <i>Acta Physica Polonica A</i> , 2018, 134, 1248-1249.	0.5	0
15	Stark Resonances Induced by the Exchange-Correlation Potential in Piezoelectric Nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700248.	2.4	0
16	Dissipative transport of thermalized electrons through a nanodevice. <i>Physical Review B</i> , 2017, 96, .	3.2	5
17	Stark Resonances Induced by the Exchange-Correlation Potential in Piezoelectric Nanowires (Phys.) Tj ETQq1 1 0,784314 rgBT /Overl	2.4	0
18	Phase-Space Approach to the Position-Momentum Correlations of the Conduction Electron States in a Double-Barrier Resonant Nanosystem. <i>Acta Physica Polonica A</i> , 2017, 132, 106-108.	0.5	0

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19	Phase-space description of the coherent state dynamics in a small one-dimensional system. Open Physics, 2016, 14, 354-359.	1.7	4
20	Transition from positive to negative magnetoresistance induced by a constriction in semiconductor nanowire. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 127-134.	2.7	2
21	Influence of Geometrical Parameters on the Transport Characteristics of Gated Core-Multishell Nanowires. Acta Physica Polonica A, 2016, 129, A-111-A-113.	0.5	3
22	Spin Conductance of Nanowires with Double Coupled Quantum Dots. Acta Physica Polonica A, 2016, 129, A-114-A-116.	0.5	0
23	Transport Characteristics of Gated Core-Multishell Nanowires: Self-Consistent Approach. Acta Physica Polonica A, 2016, 130, 1190-1192.	0.5	0
24	Dynamical localisation of conduction electrons in one-dimensional disordered systems. Journal of Computational Electronics, 2015, 14, 916-921.	2.5	6
25	Spin splitting generated in a Y-shaped semiconductor nanostructure with a quantum point contact. Journal of Applied Physics, 2015, 118, 014302.	2.5	13
26	Resonant Landau-Zener transitions in a helical magnetic field. Semiconductor Science and Technology, 2015, 30, 065007.	2.0	5
27	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
28	Spin transistor operation driven by the Rashba spin-orbit coupling in the gated nanowire. Journal of Applied Physics, 2014, 115, .	2.5	21
29	All-electrical manipulation of electron spin in a semiconductor nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 59, 19-26.	2.7	3
30	Phase-space description of wave packet approach to electronic transport in nanoscale systems. Semiconductor Science and Technology, 2013, 28, 105022.	2.0	7
31	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
32	Spin filter effect at room temperature in GaN/GaMnN ferromagnetic resonant tunnelling diode. Applied Physics Letters, 2013, 102, .	3.3	13
33	Periodicity of resonant tunneling current induced by the Stark resonances in semiconductor nanowire. Journal of Applied Physics, 2013, 114, 164301.	2.5	2
34	Intrinsic oscillations of spin current polarization in a paramagnetic resonant tunneling diode. Physical Review B, 2012, 86, .	3.2	16
35	Hysteresis loops of spin-dependent electronic current in a paramagnetic resonant tunnelling diode. Semiconductor Science and Technology, 2012, 27, 115004.	2.0	3
36	Multifractal analysis of the electronic states in the Fibonacci superlattice under weak electric fields. European Physical Journal B, 2012, 85, 1.	1.5	4

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37	Tuning of terahertz intrinsic oscillations in asymmetric triple-barrier resonant tunneling diodes. Journal of Applied Physics, 2012, 111, .	2.5	3
38	Influence of Barrier Width on Spin-Polarisation Measured by Point Contact Andreev Reflection. Journal of Superconductivity and Novel Magnetism, 2011, 24, 939-943.	1.8	2
39	Simulation of Spin-Dependent Electronic Transport through Resonant Tunnelling Diode with Paramagnetic Quantum Well. Acta Physica Polonica A, 2011, 119, 648-650.	0.5	1
40	Intrinsic current oscillations in an asymmetric triple-barrier resonant tunnelling diode. Semiconductor Science and Technology, 2010, 25, 125012.	2.0	7
41	Nonclassical properties of electronic states of aperiodic chains in a homogeneous electric field. Physical Review B, 2009, 80, .	3.2	8
42	Self-consistent Wigner distribution function study of gate-voltage controlled triple-barrier resonant tunnelling diode. Semiconductor Science and Technology, 2009, 24, 095012.	2.0	9
43	Wigner distribution function description of a multilayered nanostructure with magnetic impurities. Journal of Physics: Conference Series, 2009, 193, 012130.	0.4	5
44	Spin-Dependent Transport through Metallic System with Magnetic Impurities. Acta Physica Polonica A, 2009, 115, 266-268.	0.5	1
45	Application of Non-Classical Distribution Function to Transport Properties of Semiconductor Nanodevices. Acta Physica Polonica A, 2008, 114, 1431-1436.	0.5	4
46	Phase transitions in Nowak's Sznajd opinion dynamics. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 453-458.	2.6	13
47	Order-disorder phase transition in a cliquy social network. European Physical Journal B, 2007, 57, 331-335.	1.5	48
48	Density of states in structurally disordered 1D chains of atoms. Journal of Non-Crystalline Solids, 2006, 352, 4200-4205.	3.1	0
49	Phase Space Description of Localization in Disordered One-Dimensional Systems. Acta Physica Polonica A, 2006, 110, 523-535.	0.5	1
50	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