

Arkady M Satanin

List of Publications by Year in descending order

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32
papers

700
citations

933447

10
h-index

552781

26
g-index

33
all docs

33
docs citations

33
times ranked

732
citing authors

#	ARTICLE	IF	CITATIONS
1	Classical analogy of Fano resonances. <i>Physica Scripta</i> , 2006, 74, 259-266.	2.5	338
2	Resonant tunneling in a quantum waveguide: Effect of a finite-size attractive impurity. <i>Physical Review B</i> , 1999, 60, 10962-10970.	3.2	138
3	Fano interference and resonances in open systems. <i>Physical Review B</i> , 2005, 71, .	3.2	31
4	Interactions of Fano resonances in the transmission of an Aharonov-Bohm ring with two embedded quantum dots in the presence of a magnetic field. <i>Physical Review B</i> , 2005, 72, .	3.2	29
5	Manipulation of resonances in an open three-terminal interferometer with an embedded quantum dot. <i>Physical Review B</i> , 2007, 76, .	3.2	21
6	Characteristics of transmission resonance in a quantum-dot superlattice. <i>Journal of Applied Physics</i> , 2000, 88, 2704-2708.	2.5	19
7	Dynamic confinement of electrons in time-dependent quantum structures. <i>Physical Review B</i> , 1998, 58, 15389-15392.	3.2	14
8	Tunneling through a quantum channel with impurities: An exactly solvable model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1999, 4, 211-219.	2.7	13
9	Resonance and phase shift in an open Aharonov-Bohm ring with an embedded quantum dot. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 015303.	1.8	13
10	Fano-type Effect in Hydrogen-Terminated Pure Nanodiamond. <i>Nano Letters</i> , 2022, 22, 2589-2594.	9.1	11
11	A Renormalization Group Approach for Randomly Distributed Conductance. <i>Physica Status Solidi (B): Basic Research</i> , 1981, 108, 19-28.	1.5	7
12	Sharpened Aharonov-Bohm oscillations near resonance in a balanced ring with double quantum dots. <i>Journal of Computational Electronics</i> , 2008, 7, 280-283.	2.5	7
13	A superconducting adiabatic neuron in a quantum regime. <i>Beilstein Journal of Nanotechnology</i> , 0, 13, 653-665.	2.8	7
14	The Dependence of Magnetic Ordering Temperature in Amorphous Semiconductors on Paramagnetic Centre Concentration. <i>Physica Status Solidi (B): Basic Research</i> , 1981, 105, 129-136.	1.5	6
15	Coherent resonant transmission in temporally periodically driven potential wells: the Fano mirror. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 10587-10598.	1.8	6
16	Resonance characteristics through double quantum dots embedded in series in an Aharonov-Bohm ring. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 1766-1772.	2.8	6
17	Collision of Fano resonances: An exactly solvable model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 349, 45-52.	2.1	5
18	Dynamics of interacting qubits in a strong alternating electromagnetic field. <i>Physics of the Solid State</i> , 2010, 52, 2281-2286.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Dynamic Processes in a Superconducting Adiabatic Neuron with Non-Shunted Josephson Contacts. <i>Symmetry</i> , 2021, 13, 1735.	2.2	5
20	Electron States and Conductivity of Size Quantized Systems with Rough Boundaries. <i>Physica Status Solidi (B): Basic Research</i> , 1984, 123, 191-199.	1.5	3
21	Resonance tunneling and nonlinear current in heterobarriers with complex law of carrier dispersion. <i>Semiconductors</i> , 2002, 36, 539-545.	0.5	3
22	Control of Fano resonances and phase of a multi-terminal Aharonov-Bohm ring with three embedded quantum dots. <i>Journal of Computational Electronics</i> , 2007, 6, 167-170.	2.5	3
23	Coherent interaction of Fano resonances in nonstationary quantum structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1999, 5, 62-72.	2.7	2
24	Interference-induced enhancement in the reflectivity of three-component X-ray mirrors. <i>Technical Physics Letters</i> , 2008, 34, 441-443.	0.7	2
25	The Resistance of a One-Dimensional System with a Stationary Random Potential which is a Markov Process. <i>Physica Status Solidi (B): Basic Research</i> , 1985, 129, 805-811.	1.5	1
26	Manipulating of Resonances in Conductance of an Electron Waveguide with Anti-Dots. <i>Journal of Computational Electronics</i> , 2005, 4, 149-152.	2.5	1
27	Localization of phonon polaritons in disordered polar media. <i>Physical Review E</i> , 2005, 72, 066618.	2.1	1
28	Optical properties of quantum dots produced from inverted-gap semiconductors. <i>Semiconductor Science and Technology</i> , 2007, 22, 471-474.	2.0	1
29	Spin-splitting of electron subbands in semiconducting films with a variable band gap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 369, 140-145.	2.1	1
30	Circular transmission resonances and magnetic field effects in a ring of quantum dots connected to external leads in the meta-configuration. <i>Journal of Computational Electronics</i> , 2019, 18, 648-659.	2.5	1
31	Dynamic electron tunneling through the quantum dot under conditions of Coulomb blockade. <i>Semiconductors</i> , 2010, 44, 1515-1519.	0.5	0
32	Relaxation dynamics of superconducting Josephson cubits in a strong alternating field. <i>Physics of the Solid State</i> , 2010, 52, 2234-2240.	0.6	0