Stanislav Apostolov

List of Publications by Year
in descending order

42 papers	**235** citations	1040056 **9** h-index	1125743 **13** g-index
43 all docs	**43** docs citations	**43** times ranked	**161** citing authors

#	Article	IF	Citations
1	Resonant transparency of a layered superconductor: Hyperbolic material in the terahertz range tuned by dc magnetic field. Physical Review B, 2021, 103, .	3.2	6
2	Resonant Suppression of the THz Wave Reflection from a Plate of Layered Superconducting Metamaterial Tunable by DC Magnetic Field. , 2021, , .		0
3	Resonant absorption of terahertz waves in layered superconductors: Wood's anomalies and anomalous dispersion. Physical Review B, 2020, 101, .	3.2	2
4	Anomalous dispersion of oblique terahertz waves localized in the plate of a layered superconductor. Low Temperature Physics, 2019, 45, 885-893.	0.6	0
5	Magnetodrag in the hydrodynamic regime: Effects of magnetoplasmon resonance and Hall viscosity. Physical Review B, 2019, 100, .	3.2	7
6	Excitation of terahertz modes localized on a layered superconductor: Anomalous dispersion and resonant transmission. Physical Review B, 2018, 97, .	3.2	12
7	Description of Localized Josephson Plasma Waves: Legendre Functions vs WKB Approximation. , 2018, , .		0
8	Nonlinear localized waves in layered superconductors: Jacobi elliptic functions approach. , 2018, , .		0
9	Dispersion of THz Modes Localized on Layered Superconductor Controlled by DC Magnetic Field. , 2018, , .		0
10	Nonlinear localized modes in a plate of a layered superconductor. Low Temperature Physics, 2018, 44, 238-246.	0.6	3
11	Effect of a dc magnetic field on the anomalous dispersion of localized Josephson plasma modes in layered superconductors. Low Temperature Physics, 2018, 44, 552-560.	0.6	4
12	NORMAL AND ANOMALOUS DISPERSION OF WEAKLY NON-LINEAR LOCALIZED MODES IN A SLAB OF A LAYERED SUPERCONDUCTIVE MATERIAL. Telecommunications and Radio Engineering (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 29		
13	Anomalous dispersion of surface and waveguide modes in layered superconductor slabs. Low Temperature Physics, 2017, 43, 296-302.	0.6	16
14	Resonant transparency of a photonic crystal containing layered superconductor as a defect. Low Temperature Physics, 2017, 43, 848-854.	0.6	1
15	Effect of DC magnetic field on reflectivity of layered superconductors. , 2016, , .		0
16	Transformation of the polarization of the electromagnetic waves reflected from the layered superconductors in an external dc magnetic field. Low Temperature Physics, 2016, 42, 916-923.	0.6	4
17	Amplitude hysteresis of the surface reactance of a layered superconductor. Low Temperature Physics, 2016, 42, 265-272.	0.6	0
18	Transmission of terahertz waves through layered superconductors controlled by a dc magnetic field. Physical Review B, 2016, 94, .	3.2	9

#	ARTICLE	IF	CITATIONS
19	Superposition principle for nonlinear Josephson plasma waves in layered superconductors. Physical Review B, 2014, 90, .	3.2	3
20	Iterative method for generating correlated binary sequences. Physical Review E, 2014, 90, 053305.	2.1	5
21	Nonequilibrium spectroscopy of topological edge liquids. Physical Review B, 2014, 89, .	3.2	3
22	Hydrodynamic Coulomb drag of strongly correlated electron liquids. Physical Review B, 2014, 89, .	3.2	21
23	Self-induced terahertz-wave transmissivity of waveguides with finite-length layered superconductors. Physical Review B, 2013, 88, .	3.2	6
24	Thermal transport and quench relaxation in nonlinear Luttinger liquids. Physical Review B, 2013, 88, .	3.2	8
25	Transformation of the polarization of THz waves by their reflection and transmission through a finite layered superconductor. Low Temperature Physics, 2012, 38, 880-887.	0.6	4
26	Josephson current and density of states in proximity circuits with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mo>+</mml:mo><mml:mo>â^'</mml:mo></mml:mrow></mml:m Physical Review B, 2012, 86, .	3.2	14
27	Voltage-driven quantum oscillations of conductance in graphene. Europhysics Letters, 2011, 96, 67009.	2.0	7
28	Reply to â€œComment on â€˜Temperature dependence of the Casimir force for lossy bulk mediaâ€™â€‰â€‹. Physical Review A, 2011, 84, .	2.5	0
29	Hysteresis jumps of the surface reactance of a layered superconductor as the incident wave amplitude varies. Low Temperature Physics, 2010, 36, 92-99.	0.6	1
30	Temperature dependence of the Casimir force for bulk lossy media. Physical Review A, 2010, 82, .	2.5	4
31	Nonlinear Wood anomalies in the reflectivity of layered superconductors. Low Temperature Physics, 2010, 36, 199-204.	0.6	2
32	Self-induced tunable transparency in layered superconductors. Physical Review B, 2010, 82, .	3.2	13
33	Non-additive properties of finite 1D Ising chains with long-range interactions. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 095004.	2.1	3
34	Spectral analysis and synthesis of 1D dichotomous long-range correlated systems: From diffraction gratings to quantum wires. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4733-4739.	2.6	3
35	HIGH-ORDER CORRELATION FUNCTIONS OF BINARY MULTI-STEP MARKOV CHAINS. International Journal of Modern Physics B, 2008, 22, 3841-3853.	2.0	7
36	The Signum function method for the generation of correlated dichotomic chains. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 175101.	2.1	14

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37	Hysteretic jumps in the response of layered superconductors to electromagnetic fields. Physical Review B, 2008, 78, .	3.2	8
38	Anomalous Temperature Dependence of the Casimir Force for Thin Metal Films. Physical Review Letters, 2008, 101, 096803.	7.8	20
39	Additive N-step Markov chains as prototype model of symbolic stochastic dynamical systems with long-range correlations. Chaos, Solitons and Fractals, 2007, 34, 112-128.	5.1	6
40	Isotropy properties of the multi-step Markov symbolic sequences. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 165-172.	2.6	3
41	Equivalence of the Markov chains and two-sided symbolic sequences. Europhysics Letters, 2006, 76, 1015-1021.	2.0	3
42	Memory functions and correlations in additive binary Markov chains. Journal of Physics A, 2006, 39, 14289-14301.	1.6	11