Dmitry Solenov

List of Publications by Year
in descending order

25	365	840776 11	794594 19
papers	citations	h-index	g-index

25	25	25	565
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proximitized Josephson junctions in highly-doped InAs nanowires robust to optical illumination. Nanotechnology, 2021, 32, 075001.	2.6	2
2	Microscopic origin of interaction between oxygen and fluorine adsorbates covalently bound to graphene. Surfaces and Interfaces, 2019, 17, 100354.	3.0	0
3	Upper critical and irreversibility fields in Ni- and Co-doped pnictide bulk superconductors. Physica B: Condensed Matter, 2018, 536, 833-838.	2.7	3
4	The Potential of Quantum Computing and Machine Learning to Advance Clinical Research and Change the Practice of Medicine. Missouri Medicine, 2018, 115, 463-467.	0.3	12
5	Upper Critical and Irreversibility Fields in Ba(Fe0.92Co0.08)2As2 and Ba(Fe0.91Co0.09)2As2 Pnictide Bulk Superconductors. Journal of Superconductivity and Novel Magnetism, 2017, 30, 561-568.	1.8	7
6	Upper Critical and Irreversibility Fields in Ba(Fe0.95Ni0.05)2As2 and Ba(Fe0.94Ni0.06)2As2 Pnictide Bulk Superconductors. Journal of Superconductivity and Novel Magnetism, 2017, 30, 331-341.	1.8	5
7	Excitation spectrum as a resource for efficient two-qubit entangling gates. Physical Review B, 2014, 89, .	3.2	2
8	Electromigration of bivalent functional groups on graphene. Physical Review B, 2014, 89, .	3.2	13
9	Two-qubit quantum gates for defect qubits in diamond and similar systems. Physical Review B, 2013, 88, .	3.2	5
10	Fast two-qubit gates for quantum computing in semiconductor quantum dots using a photonic microcavity. Physical Review B, 2013, 87, .	3.2	14
11	Quantum control of a spin qubit coupled to a photonic crystal cavity. Nature Photonics, 2013, 7, 329-334.	31.4	115
12	Adsorption of NH₂ on Graphene in the Presence of Defects and Adsorbates. Journal of Physical Chemistry C, 2013, 117, 2793-2798.	3.1	40
13	Tunable Adsorbate-Adsorbate Interactions on Graphene. Physical Review Letters, 2013, 111, 115502.	7.8	21
14	A Spin Qubit Coupled to a Photonic Crystal Cavity. , 2013, , .		0
15	Adsorbate Transport on Graphene by Electromigration. Physical Review Letters, 2012, 109, 095504.	7.8	27
16	Macroscopic two-state systems in trapped atomic condensates. Physical Review A, 2010, 82, .	2.5	13
17	Metastable States and Macroscopic Quantum Tunneling in a Cold-Atom Josephson Ring. Physical Review Letters, 2010, 104, 150405.	7.8	16
18	Quantum nucleation and macroscopic quantum tunneling in cold-atom boson-fermion mixtures. Physical Review A, 2008, 78, .	2.5	2

#	Article	IF	Citations
19	Kinetics of the Phase Separation Transition in Cold-Atom Boson-Fermion Mixtures. Physical Review Letters, 2008, 100, 150402.	7.8	4
20	DISSIPATIVE REGIME OF DYNAMIC LOCALIZATION IN DOUBLE QUANTUM DOT. International Journal of Nanoscience, 2007, 06, 389-393.	0.7	1
21	Exchange interaction, entanglement, and quantum noise due to a thermal bosonic field. Physical Review B, 2007, 75, .	3.2	33
22	EVALUATION OF DECOHERENCE FOR QUANTUM COMPUTING ARCHITECTURES: QUBIT SYSTEM SUBJECT TO TIME-DEPENDENT CONTROL. International Journal of Modern Physics B, 2006, 20, 1476-1495.	2.0	8
23	Coherent interaction of spins induced by thermal bosonic environment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 81-85.	2.1	13
24	Onset of Entanglement and Noise Cross-Correlations in Two-Qubit System Interacting with Common Bosonic Bath. , 2006, , .		1
25	Nonlinear suppression of relaxation in dynamic localization phenomenon in a double quantum dot. Physical Review B, 2005, 72, .	3.2	8