

Dmitry Solenov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12175666/publications.pdf>

Version: 2024-02-01

25
papers

365
citations

840776

11
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum control of a spin qubit coupled to a photonic crystal cavity. <i>Nature Photonics</i> , 2013, 7, 329-334.	31.4	115
2	Adsorption of NH ₂ on Graphene in the Presence of Defects and Adsorbates. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2793-2798.	3.1	40
3	Exchange interaction, entanglement, and quantum noise due to a thermal bosonic field. <i>Physical Review B</i> , 2007, 75, .	3.2	33
4	Adsorbate Transport on Graphene by Electromigration. <i>Physical Review Letters</i> , 2012, 109, 095504.	7.8	27
5	Tunable Adsorbate-Adsorbate Interactions on Graphene. <i>Physical Review Letters</i> , 2013, 111, 115502.	7.8	21
6	Metastable States and Macroscopic Quantum Tunneling in a Cold-Atom Josephson Ring. <i>Physical Review Letters</i> , 2010, 104, 150405.	7.8	16
7	Fast two-qubit gates for quantum computing in semiconductor quantum dots using a photonic microcavity. <i>Physical Review B</i> , 2013, 87, .	3.2	14
8	Coherent interaction of spins induced by thermal bosonic environment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 359, 81-85.	2.1	13
9	Macroscopic two-state systems in trapped atomic condensates. <i>Physical Review A</i> , 2010, 82, .	2.5	13
10	Electromigration of bivalent functional groups on graphene. <i>Physical Review B</i> , 2014, 89, .	3.2	13
11	The Potential of Quantum Computing and Machine Learning to Advance Clinical Research and Change the Practice of Medicine. <i>Missouri Medicine</i> , 2018, 115, 463-467.	0.3	12
12	Nonlinear suppression of relaxation in dynamic localization phenomenon in a double quantum dot. <i>Physical Review B</i> , 2005, 72, .	3.2	8
13	EVALUATION OF DECOHERENCE FOR QUANTUM COMPUTING ARCHITECTURES: QUBIT SYSTEM SUBJECT TO TIME-DEPENDENT CONTROL. <i>International Journal of Modern Physics B</i> , 2006, 20, 1476-1495.	2.0	8
14	Upper Critical and Irreversibility Fields in Ba(Fe _{0.92} Co _{0.08}) ₂ As ₂ and Ba(Fe _{0.91} Co _{0.09}) ₂ As ₂ Pnictide Bulk Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 561-568.	1.8	7
15	Two-qubit quantum gates for defect qubits in diamond and similar systems. <i>Physical Review B</i> , 2013, 88, .	3.2	5
16	Upper Critical and Irreversibility Fields in Ba(Fe _{0.95} Ni _{0.05}) ₂ As ₂ and Ba(Fe _{0.94} Ni _{0.06}) ₂ As ₂ Pnictide Bulk Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 331-341.	1.8	5
17	Kinetics of the Phase Separation Transition in Cold-Atom Boson-Fermion Mixtures. <i>Physical Review Letters</i> , 2008, 100, 150402.	7.8	4
18	Upper critical and irreversibility fields in Ni- and Co-doped pnictide bulk superconductors. <i>Physica B: Condensed Matter</i> , 2018, 536, 833-838.	2.7	3

#	ARTICLE	IF	CITATIONS
19	Quantum nucleation and macroscopic quantum tunneling in cold-atom boson-fermion mixtures. Physical Review A, 2008, 78, .	2.5	2
20	Excitation spectrum as a resource for efficient two-qubit entangling gates. Physical Review B, 2014, 89, .	3.2	2
21	Proximitized Josephson junctions in highly-doped InAs nanowires robust to optical illumination. Nanotechnology, 2021, 32, 075001.	2.6	2
22	Onset of Entanglement and Noise Cross-Correlations in Two-Qubit System Interacting with Common Bosonic Bath. , 2006, , .		1
23	DISSIPATIVE REGIME OF DYNAMIC LOCALIZATION IN DOUBLE QUANTUM DOT. International Journal of Nanoscience, 2007, 06, 389-393.	0.7	1
24	Microscopic origin of interaction between oxygen and fluorine adsorbates covalently bound to graphene. Surfaces and Interfaces, 2019, 17, 100354.	3.0	0
25	A Spin Qubit Coupled to a Photonic Crystal Cavity. , 2013, , .		0