

T DomaÅ,,ski

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling the bound states in a quantum-dot hybrid nanowire. <i>Physical Review B</i> , 2017, 96, .	1.1	76
2	Nonlinear feedback effects in coupled boson-fermion systems. <i>Physical Review B</i> , 2001, 63, .	1.1	49
3	Interplay between particle-hole splitting and the Kondo effect in quantum dots. <i>Physical Review B</i> , 2008, 78, .	1.1	49
4	Fano-type interference in quantum dots coupled between metallic and superconducting leads. <i>Physical Review B</i> , 2011, 84, .	1.1	47
5	In-gap states of a quantum dot coupled between a normal and a superconducting lead. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 435305.	0.7	43
6	Influence of pair coherence on charge tunneling through a quantum dot connected to a superconducting lead. <i>Physical Review B</i> , 2007, 76, .	1.1	40
7	Constructive influence of the induced electron pairing on the Kondo state. <i>Scientific Reports</i> , 2016, 6, 23336.	1.6	36
8	Meservey-Tedrow-Fulde effect in a quantum dot embedded between metallic and superconducting electrodes. <i>Physical Review B</i> , 2008, 78, .	1.1	33
9	Interplay between correlations and Majorana mode in proximitized quantum dot. <i>Scientific Reports</i> , 2018, 8, 15717.	1.6	31
10	Spin-sensitive interference due to Majorana state on the interface between normal and superconducting leads. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 075603.	0.7	27
11	Josephson-phase-controlled interplay between correlation effects and electron pairing in a three-terminal nanostructure. <i>Physical Review B</i> , 2017, 95, .	1.1	24
12	Yu-Shiba-Rusinov states of impurities in a triangular lattice of NbSe_2 with spin-orbit coupling. <i>Physical Review B</i> , 2017, 96, .	1.1	23
13	Bogoliubov Shadow Bands in the Normal State of Superconducting Systems with Strong Pair Fluctuations. <i>Physical Review Letters</i> , 2003, 91, 255301.	2.9	22
14	Interplay between direct and crossed Andreev reflections in hybrid nanostructures. <i>Physical Review B</i> , 2013, 88, .	1.1	22
15	Interplay between single-particle and collective features in the boson fermion model. <i>Physical Review B</i> , 2004, 70, .	1.1	20
16	Decoherence effect on Fano line shapes in double quantum dots coupled between normal and superconducting leads. <i>Physical Review B</i> , 2012, 85, .	1.1	20
17	Majorana quasiparticles of an inhomogeneous Rashba chain. <i>Physical Review B</i> , 2017, 95, .	1.1	20
18	Polarization of the Majorana quasiparticles in the Rashba chain. <i>Scientific Reports</i> , 2017, 7, 16193.	1.6	20

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19	Local and nonlocal thermopower in three-terminal nanostructures. <i>Physical Review B</i> , 2016, 93, .	1.1	18
20	The atomic limit of the Boson-Fermion model. <i>Solid State Communications</i> , 1998, 105, 473-477.	0.9	15
21	Transient dynamics of a quantum dot embedded between two superconducting leads and a metallic reservoir. <i>Physical Review B</i> , 2019, 99, .	1.1	15
22	Buildup and transient oscillations of Andreev quasiparticles. <i>Physical Review B</i> , 2018, 98, .	1.1	13
23	Effect of on-site Coulomb repulsion on superconductivity in the boson-fermion model. <i>Physical Review B</i> , 2002, 66, .	1.1	12
24	Feshbach resonance described by boson-fermion coupling. <i>Physical Review A</i> , 2003, 68, .	1.0	12
25	Novel non-local effects in three-terminal hybrid devices with quantum dot. <i>Scientific Reports</i> , 2015, 5, 14572.	1.6	12
26	Interplay between electron pairing and Dicke effect in triple quantum dot structures. <i>Physical Review B</i> , 2017, 95, .	1.1	12
27	Topological superconductivity at finite temperatures in proximitized magnetic nanowires. <i>Physical Review B</i> , 2019, 99, .	1.1	12
28	Boson-fermion duality and metastability in cuprate superconductors. <i>Physical Review B</i> , 2010, 81, .	1.1	11
29	Enhancements of the Andreev conductance due to emission/absorption of bosonic quanta. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 305302.	0.7	11
30	Delocalisation of Majorana quasiparticles in plaquetteâ€“nanowire hybrid system. <i>Scientific Reports</i> , 2019, 9, 12933.	1.6	11
31	Leakage of Majorana mode into correlated quantum dot nearby its singlet-doublet crossover. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 025302.	0.7	11
32	Effect of disorder on superconductivity in the boson-fermion model. <i>Physical Review B</i> , 2002, 66, .	1.1	10
33	Remnant superfluid collective phase oscillations in the normal state of systems with resonant pairing. <i>Physical Review B</i> , 2004, 70, .	1.1	10
34	Fano-type resonances induced by a boson mode in Andreev conductance. <i>Chinese Physics B</i> , 2015, 24, 017304.	0.7	10
35	Thermodynamics and tunneling spectroscopy in the pseudogap regime of the bosonâ€“fermion model. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 387, 77-81.	0.6	9
36	How to measure the Majorana polarization of a topological planar Josephson junction. <i>Physical Review B</i> , 2020, 102, .	1.1	9

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37	Dimerization-induced topological superconductivity in a Rashba nanowire. <i>Physical Review B</i> , 2020, 101, .	1.1	9
38	Dynamical quantum phase transitions in a mesoscopic superconducting system. <i>Physical Review B</i> , 2022, 105, .	1.1	9
39	Real space inhomogeneities in high temperature superconductors: the perspective of the two-component model. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 255702.	0.7	8
40	Transient effects in a double quantum dot sandwiched laterally between superconducting and metallic leads. <i>Physical Review B</i> , 2021, 103, .	1.1	8
41	Quench dynamics of a correlated quantum dot sandwiched between normal-metal and superconducting leads. <i>Physical Review B</i> , 2021, 103, .	1.1	8
42	Subgap dynamics of double quantum dot coupled between superconducting and normal leads. <i>Scientific Reports</i> , 2021, 11, 11138.	1.6	8
43	Electromagnetic response of anisotropic superconductors. <i>Physical Review B</i> , 1992, 45, 5005-5011.	1.1	7
44	Quantum engineering of Majorana quasiparticles in one-dimensional optical lattices. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 355602.	0.7	7
45	Quasiparticles of a periodically driven quantum dot coupled between superconducting and normal leads. <i>Physical Review B</i> , 2019, 100, .	1.1	7
46	Dynamical leakage of Majorana mode into side-attached quantum dot. <i>Physical Review B</i> , 2021, 103, .	1.1	7
47	Flow equation approach to the linear response theory of superconductors. <i>Physical Review B</i> , 2011, 84, .	1.1	6
48	Cooper Pair Splitting Efficiency in the Hybrid Three-Terminal Quantum Dot. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 135-138.	0.8	5
49	Statistical correlations of currents flowing through a proximized quantum dot. <i>Physical Review B</i> , 2020, 101, .	1.1	5
50	Real Space Bogoliubov-de Gennes Equations Study of the Boson-Fermion Model. <i>Acta Physica Polonica A</i> , 2008, 114, 165-169.	0.2	5
51	Superconductivity in a strongly correlated one-band system. <i>Physical Review B</i> , 1996, 54, 3058-3061.	1.1	4
52	Nature of correlations in the atomic limit of the boson fermion model. <i>European Physical Journal B</i> , 2003, 33, 41-45.	0.6	4
53	Spectroscopic Bogoliubov features near the unitary limit. <i>Physical Review A</i> , 2011, 84, .	1.0	4
54	Unconventional topological transitions in a self-organized magnetic ladder. <i>Physical Review B</i> , 2021, 103, .	1.1	4

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55	Statistics of Tunneling Events in Three-Terminal Hybrid Devices with Quantum Dot. Acta Physica Polonica A, 2018, 133, 391-393.	0.2	4
56	The In-Gap Charge Current through the Correlated Quantum Dot Hybridized with Superconductor. Acta Physica Polonica A, 2008, 114, 75-82.	0.2	3
57	Interplay between the Correlations and Superconductivity in Electron Transport through the Double Quantum Dots. Acta Physica Polonica A, 2012, 121, 1213-1215.	0.2	3
58	Hole superconductivity in Hubbard subbands. Physical Review B, 1994, 49, 12182-12187.	1.1	2
59	RENORMALIZATION GROUP APPROACH TO THE PAIRING INSTABILITIES. International Journal of Modern Physics E, 2007, 16, 263-274.	0.4	2
60	Particle-hole mixing driven by the superconducting fluctuations. European Physical Journal B, 2010, 74, 437-445.	0.6	2
61	Tunable interplay between superconductivity and correlations in nanoscopic heterostructures. Philosophical Magazine, 2015, 95, 538-549.	0.7	2
62	Interplay between pairing and correlations in spin-polarized bound states. Beilstein Journal of Nanotechnology, 2018, 9, 1370-1380.	1.5	2
63	In-gap states of magnetic impurity in quantum spin Hall insulator proximitized to a superconductor. Journal of Physics Condensed Matter, 2020, 32, 235501.	0.7	2
64	Tunneling through the Quantum Dot Coupled to Incoherent Superconductor. Acta Physica Polonica A, 2007, 111, 671-682.	0.2	2
65	Tunneling through the Quantum Dot Coupled between Normal and Superconducting Leads. Acta Physica Polonica A, 2007, 112, 157-160.	0.2	2
66	Interference Effects on Double Quantum Dots Coupled Between Metallic and Superconducting Leads. Acta Physica Polonica A, 2012, 121, 812-815.	0.2	2
67	Magnetic field effect on trivial and topological bound states of superconducting quantum dot. Journal of Physics Condensed Matter, 2020, 32, 445803.	0.7	2
68	On electromagnetic properties of superconductors in the "correlated hopping" model. Physica C: Superconductivity and Its Applications, 1993, 215, 97-104.	0.6	1
69	SUPERCONDUCTIVITY WITH "PAIRING": GAP PARAMETER AND SINGLE PARTICLE TUNNELING. Modern Physics Letters B, 1994, 08, 149-157.	1.0	1
70	Continuous canonical transformation for the double exchange model. European Physical Journal B, 2001, 23, 49-56.	0.6	1
71	Ultracold atom superfluidity induced by the Feshbach resonance. Physica Status Solidi (B): Basic Research, 2005, 242, 398-403.	0.7	1
72	Quantum fluctuations of ultracold atom-molecule mixtures. Physica Status Solidi (B): Basic Research, 2006, 243, 98-102.	0.7	1

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73	Single Particle Excitation Spectrum of a Proximized Quantum Dot: The Flow Equation Study. Acta Physica Polonica A, 2014, 126, A-137-A-140.	0.2	1
74	Andreev Spectroscopy in Three-Terminal Hybrid Nanostructure. Acta Physica Polonica A, 2015, 127, 293-295.	0.2	1
75	Inhomogeneities in Superconductors Described by the Two-Component Model. Acta Physica Polonica A, 2010, 118, 360-363.	0.2	1
76	On Realization of the Bose-Einstein Condensates and Quantum Superfluids. Acta Physica Polonica A, 2010, 118, 204-211.	0.2	1
77	Electromagnetic Response of the BCS Superconductor: Flow Equation Approach. Acta Physica Polonica A, 2012, 121, 854-857.	0.2	1
78	On NMR relaxation rate in anisotropic superconductors. Physica B: Condensed Matter, 1994, 194-196, 1593-1594.	1.3	0
79	Influence of the correlation effects on charge transport through quantum dots. Physica Status Solidi (B): Basic Research, 2007, 244, 2437-2442.	0.7	0
80	Electron pair current through the correlated quantum dot. Physica Status Solidi (B): Basic Research, 2009, 246, 985-988.	0.7	0
81	Phonon Signatures of a Quantum Impurity with Induced Electron Pairing. Acta Physica Polonica A, 2014, 126, A-73-A-76.	0.2	0
82	QUANTUM TRANSPORT IN HYBRID NANOSTRUCTURES. , 2015, , .		0
83	Fluctuation conductivity due to the preformed local pairs. Low Temperature Physics, 2016, 42, 924-929.	0.2	0
84	Pseudogap and Other Precursor Signatures in the Systems with Local Fermion Pairs. Acta Physica Polonica A, 2004, 106, 553-560.	0.2	0
85	Renormalization Group Approach for the Double Exchange Ferromagnets. Acta Physica Polonica A, 2012, 122, 1099-1101.	0.2	0
86	Quasiparticle states driven by a scattering on the preformed electron pairs. Condensed Matter Physics, 2016, 19, 13701.	0.3	0
87	Postquench Dynamics of Quantum Dot Proximitized to Superconducting Lead. Acta Physica Polonica A, 2020, 138, 691-694.	0.2	0