

T Domanski

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

726
citations

16
h-index

23
g-index

87
ext. papers

876
ext. citations

2.4
avg, IF

4.56
L-index

#	Paper	IF	Citations
80	Controlling the bound states in a quantum-dot hybrid nanowire. <i>Physical Review B</i> , 2017 , 96,	3.3	53
79	Nonlinear feedback effects in coupled boson-fermion systems. <i>Physical Review B</i> , 2001 , 63,	3.3	49
78	Interplay between particle-hole splitting and the Kondo effect in quantum dots. <i>Physical Review B</i> , 2008 , 78,	3.3	43
77	Fano-type interference in quantum dots coupled between metallic and superconducting leads. <i>Physical Review B</i> , 2011 , 84,	3.3	37
76	Influence of pair coherence on charge tunneling through a quantum dot connected to a superconducting lead. <i>Physical Review B</i> , 2007 , 76,	3.3	37
75	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	1.8	35
74	Meservey-Tedrow-Fulde effect in a quantum dot embedded between metallic and superconducting electrodes. <i>Physical Review B</i> , 2008 , 78,	3.3	30
73	Constructive influence of the induced electron pairing on the Kondo state. <i>Scientific Reports</i> , 2016 , 6, 23336	4.9	27
72	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	1.8	21
71	Bogoliubov shadow bands in the normal state of superconducting systems with strong pair fluctuations. <i>Physical Review Letters</i> , 2003 , 91, 255301	7.4	21
70	Interplay between single-particle and collective features in the boson fermion model. <i>Physical Review B</i> , 2004 , 70,	3.3	20
69	Majorana quasiparticles of an inhomogeneous Rashba chain. <i>Physical Review B</i> , 2017 , 95,	3.3	18
68	Interplay between correlations and Majorana mode in proximitized quantum dot. <i>Scientific Reports</i> , 2018 , 8, 15717	4.9	17
67	Yu-Shiba-Rusinov states of impurities in a triangular lattice of NbSe ₂ with spin-orbit coupling. <i>Physical Review B</i> , 2017 , 96,	3.3	16
66	Polarization of the Majorana quasiparticles in the Rashba chain. <i>Scientific Reports</i> , 2017 , 7, 16193	4.9	16
65	Interplay between direct and crossed Andreev reflections in hybrid nanostructures. <i>Physical Review B</i> , 2013 , 88,	3.3	16
64	The atomic limit of the Boson-Fermion model. <i>Solid State Communications</i> , 1998 , 105, 473-477	1.6	15

63	Decoherence effect on Fano line shapes in double quantum dots coupled between normal and superconducting leads. <i>Physical Review B</i> , 2012 , 85,	3.3	14
62	Josephson-phase-controlled interplay between correlation effects and electron pairing in a three-terminal nanostructure. <i>Physical Review B</i> , 2017 , 95,	3.3	13
61	Feshbach resonance described by boson-fermion coupling. <i>Physical Review A</i> , 2003 , 68,	2.6	12
60	Boson-fermion duality and metastability in cuprate superconductors. <i>Physical Review B</i> , 2010 , 81,	3.3	11
59	Effect of on-site Coulomb repulsion on superconductivity in the boson-fermion model. <i>Physical Review B</i> , 2002 , 66,	3.3	11
58	Local and nonlocal thermopower in three-terminal nanostructures. <i>Physical Review B</i> , 2016 , 93,	3.3	10
57	Effect of disorder on superconductivity in the boson-fermion model. <i>Physical Review B</i> , 2002 , 66,	3.3	10
56	Interplay between electron pairing and Dicke effect in triple quantum dot structures. <i>Physical Review B</i> , 2017 , 95,	3.3	9
55	Enhancements of the Andreev conductance due to emission/absorption of bosonic quanta. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 305302	1.8	9
54	Novel non-local effects in three-terminal hybrid devices with quantum dot. <i>Scientific Reports</i> , 2015 , 5, 14572	4.9	9
53	Remnant superfluid collective phase oscillations in the normal state of systems with resonant pairing. <i>Physical Review B</i> , 2004 , 70,	3.3	9
52	Thermodynamics and tunneling spectroscopy in the pseudogap regime of the boson-fermion model. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 387, 77-81	1.3	9
51	Delocalisation of Majorana quasiparticles in plaquette-nanowire hybrid system. <i>Scientific Reports</i> , 2019 , 9, 12933	4.9	8
50	Fano-type resonances induced by a boson mode in Andreev conductance. <i>Chinese Physics B</i> , 2015 , 24, 017304	1.2	8
49	Real space inhomogeneities in high temperature superconductors: the perspective of the two-component model. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 255702	1.8	8
48	Leakage of Majorana mode into correlated quantum dot nearby its singlet-doublet crossover. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 025302	1.8	6
47	Flow equation approach to the linear response theory of superconductors. <i>Physical Review B</i> , 2011 , 84,	3.3	6
46	Electromagnetic response of anisotropic superconductors. <i>Physical Review B</i> , 1992 , 45, 5005-5011	3.3	6

45	Transient dynamics of a quantum dot embedded between two superconducting leads and a metallic reservoir. <i>Physical Review B</i> , 2019 , 99,	3.3	5
44	Buildup and transient oscillations of Andreev quasiparticles. <i>Physical Review B</i> , 2018 , 98,	3.3	5
43	Topological superconductivity at finite temperatures in proximitized magnetic nanowires. <i>Physical Review B</i> , 2019 , 99,	3.3	5
42	Real Space Bogoliubov-de Gennes Equations Study of the Boson-Fermion Model. <i>Acta Physica Polonica A</i> , 2008 , 114, 165-169	0.6	5
41	Dimerization-induced topological superconductivity in a Rashba nanowire. <i>Physical Review B</i> , 2020 , 101,	3.3	4
40	Quantum engineering of Majorana quasiparticles in one-dimensional optical lattices. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 355602	1.8	4
39	Quasiparticles of a periodically driven quantum dot coupled between superconducting and normal leads. <i>Physical Review B</i> , 2019 , 100,	3.3	4
38	Cooper Pair Splitting Efficiency in the Hybrid Three-Terminal Quantum Dot. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 135-138	1.5	4
37	Spectroscopic Bogoliubov features near the unitary limit. <i>Physical Review A</i> , 2011 , 84,	2.6	4
36	Nature of correlations in the atomic limit of the boson fermion model. <i>European Physical Journal B</i> , 2003 , 33, 41-45	1.2	4
35	Superconductivity in a strongly correlated one-band system. <i>Physical Review B</i> , 1996 , 54, 3058-3061	3.3	4
34	The In-Gap Charge Current through the Correlated Quantum Dot Hybridized with Superconductor. <i>Acta Physica Polonica A</i> , 2008 , 114, 75-82	0.6	3
33	Statistics of Tunneling Events in Three-Terminal Hybrid Devices with Quantum Dot. <i>Acta Physica Polonica A</i> , 2018 , 133, 391-393	0.6	3
32	How to measure the Majorana polarization of a topological planar Josephson junction. <i>Physical Review B</i> , 2020 , 102,	3.3	3
31	Tunable interplay between superconductivity and correlations in nanoscopic heterostructures. <i>Philosophical Magazine</i> , 2015 , 95, 538-549	1.6	2
30	Statistical correlations of currents flowing through a proximized quantum dot. <i>Physical Review B</i> , 2020 , 101,	3.3	2
29	Particle-hole mixing driven by the superconducting fluctuations. <i>European Physical Journal B</i> , 2010 , 74, 437-445	1.2	2
28	RENORMALIZATION GROUP APPROACH TO THE PAIRING INSTABILITIES. <i>International Journal of Modern Physics E</i> , 2007 , 16, 263-274	0.7	2

27	Hole superconductivity in Hubbard subbands. <i>Physical Review B</i> , 1994 , 49, 12182-12187	3.3	2
26	Tunneling through the Quantum Dot Coupled to Incoherent Superconductor. <i>Acta Physica Polonica A</i> , 2007 , 111, 671-682	0.6	2
25	Tunneling through the Quantum Dot Coupled between Normal and Superconducting Leads. <i>Acta Physica Polonica A</i> , 2007 , 112, 157-160	0.6	2
24	Interplay between the Correlations and Superconductivity in Electron Transport through the Double Quantum Dots. <i>Acta Physica Polonica A</i> , 2012 , 121, 1213-1215	0.6	2
23	Interference Effects on Double Quantum Dots Coupled Between Metallic and Superconducting Leads. <i>Acta Physica Polonica A</i> , 2012 , 121, 812-815	0.6	2
22	Dynamical leakage of Majorana mode into side-attached quantum dot. <i>Physical Review B</i> , 2021 , 103,	3.3	2
21	Andreev Spectroscopy in Three-Terminal Hybrid Nanostructure. <i>Acta Physica Polonica A</i> , 2015 , 127, 293-295	2.95	1
20	In-gap states of magnetic impurity in quantum spin Hall insulator proximitized to a superconductor. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 235501	1.8	1
19	Single Particle Excitation Spectrum of a Proximitized Quantum Dot: The Flow Equation Study. <i>Acta Physica Polonica A</i> , 2014 , 126, A-137-A-140	0.6	1
18	Quantum fluctuations of ultracold atom-molecule mixtures. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 98-102	1.3	1
17	Ultracold atom superfluidity induced by the Feshbach resonance. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 398-403	1.3	1
16	Continuous canonical transformation for the double exchange model. <i>European Physical Journal B</i> , 2001 , 23, 49-56	1.2	1
15	SUPERCONDUCTIVITY WITH PAIRING GAP PARAMETER AND SINGLE PARTICLE TUNNELING. <i>Modern Physics Letters B</i> , 1994 , 08, 149-157	1.6	1
14	On electromagnetic properties of superconductors in the correlated hopping model. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 215, 97-104	1.3	1
13	Inhomogeneities in Superconductors Described by the Two-Component Model. <i>Acta Physica Polonica A</i> , 2010 , 118, 360-363	0.6	1
12	Electromagnetic Response of the BCS Superconductor: Flow Equation Approach. <i>Acta Physica Polonica A</i> , 2012 , 121, 854-857	0.6	1
11	Magnetic field effect on trivial and topological bound states of superconducting quantum dot. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 445803	1.8	0
10	Subgap dynamics of double quantum dot coupled between superconducting and normal leads. <i>Scientific Reports</i> , 2021 , 11, 11138	4.9	0

- 9 Interplay between pairing and correlations in spin-polarized bound states. *Beilstein Journal of Nanotechnology*, **2018**, 9, 1370-1380 3 0
- 8 Electron pair current through the correlated quantum dot. *Physica Status Solidi (B): Basic Research*, **2009**, 246, 985-988 1.3
- 7 Influence of the correlation effects on charge transport through quantum dots. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 2437-2442 1.3
- 6 On NMR relaxation rate in anisotropic superconductors. *Physica B: Condensed Matter*, **1994**, 194-196, 1593-1594 2.8
- 5 Postquench Dynamics of Quantum Dot Proximitized to Superconducting Lead. *Acta Physica Polonica A*, **2020**, 138, 691-694 0.6
- 4 Pseudogap and Other Precursor Signatures in the Systems with Local Fermion Pairs. *Acta Physica Polonica A*, **2004**, 106, 553-560 0.6
- 3 On Realization of the Bose-Einstein Condensates and Quantum Superfluids. *Acta Physica Polonica A*, **2010**, 118, 204-211 0.6
- 2 Renormalization Group Approach for the Double Exchange Ferromagnets. *Acta Physica Polonica A*, **2012**, 122, 1099-1101 0.6
- 1 Fluctuation conductivity due to the preformed local pairs. *Low Temperature Physics*, **2016**, 42, 924-929 0.7