

Eugene Bezuglyi

List of Publications by Year in descending order

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47
papers

618
citations

759233

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47
all docs

47
docs citations

47
times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of meter-range electromagnetic irradiation on the current-voltage characteristics of wide superconducting films. <i>Low Temperature Physics</i> , 2019, 45, 1178-1181.	0.6	0
2	Nonequilibrium and relaxation effects in tunnel superconducting junctions. <i>Superconductor Science and Technology</i> , 2017, 30, 025011.	3.5	1
3	Resonant subgap current transport in Josephson field effect transistor. <i>Physical Review B</i> , 2017, 95, .	3.2	6
4	Anisotropy of electric resistance and upper critical field in magnetic superconductor Dy _{0.6} Y _{0.4} Rh _{3.85} Ru _{0.15} B ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 2016, 524, 1-4.	1.2	1
5	Suppression of superconductivity of Dy _{0.6} Y _{0.4} Rh _{3.85} Ru _{0.15} B ₄ in inclined magnetic fields. <i>Low Temperature Physics</i> , 2015, 41, 270-272.	0.6	3
6	Current states in superconducting films: Numerical results. <i>Low Temperature Physics</i> , 2015, 41, 602-607.	0.6	3
7	Current-voltage characteristics of asymmetric double-barrier Josephson junctions. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 499, 15-23.	1.2	2
8	Dissipative charge transport in diffusive superconducting double-barrier junctions. <i>Physical Review B</i> , 2011, 83, .	3.2	9
9	Electric potential of the electron sound wave: Sharp disappearance in the superconducting state. <i>Physical Review B</i> , 2011, 84, .	3.2	3
10	Phase diagram of a current-carrying superconducting film in the absence of a magnetic field. <i>Low Temperature Physics</i> , 2010, 36, 1008-1011.	0.6	7
11	Electron cooling by diffusive normal metal-superconductor tunnel junctions. <i>Physical Review B</i> , 2010, 81, .	3.2	31
12	Electron sound in metals. <i>Low Temperature Physics</i> , 2009, 35, 724-734.	0.6	5
13	Resonantly suppressed transmission and anomalously enhanced light absorption in periodically modulated ultrathin metal films. <i>Physical Review B</i> , 2009, 79, .	3.2	70
14	Advances in the criteria for dividing thin superconducting films into narrow and wide films. <i>Low Temperature Physics</i> , 2008, 34, 982-984.	0.6	7
15	Phase-Slip Processes in Superconducting Films: AC Josephson Effect and New Phase Transition. <i>Acta Physica Polonica A</i> , 2008, 114, 257-261.	0.5	1
16	Multiparticle tunnelling in diffusive superconducting junctions. <i>Superconductor Science and Technology</i> , 2007, 20, 529-541.	3.5	6
17	AC Josephson properties of phase slip lines in wide tin films. <i>Superconductor Science and Technology</i> , 2007, 20, 891-894.	3.5	5
18	Temperature dependences of microwave-enhanced critical current in wide tin films. <i>Low Temperature Physics</i> , 2007, 33, 300-306.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Subgap current in superconducting tunnel junctions with diffusive electrodes. <i>Physical Review B</i> , 2006, 73, .	3.2	27
20	Enhancement of critical current by microwave irradiation in wide superconducting films. <i>Superconductor Science and Technology</i> , 2006, 19, 883-889.	3.5	1
21	Nonequilibrium effects in tunnel Josephson junctions. <i>Physical Review B</i> , 2005, 72, .	3.2	26
22	Wigner distribution function formalism for superconductors and collisionless dynamics of the superconducting order parameter. <i>Low Temperature Physics</i> , 2004, 30, 661-666.	0.6	26
23	Coherent current transport in wide ballistic Josephson junctions. <i>Physical Review B</i> , 2004, 70, .	3.2	9
24	Phase-dependent counting statistics in a short-arm Andreev interferometer. <i>Physical Review B</i> , 2004, 70, .	3.2	3
25	Electric field accompanying a longitudinal wave in pure metal. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 370, 373-375.	5.6	2
26	Heat Transport in Proximity Structures. <i>Physical Review Letters</i> , 2003, 91, 137002.	7.8	36
27	Enhanced current shot noise in superconducting junctions. , 2003, 5112, 174.		0
28	Characteristics of the electric field accompanying a longitudinal acoustic wave in a metal. Anomaly in the superconducting phase. <i>Low Temperature Physics</i> , 2002, 28, 328.	0.6	6
29	Combined effect of Zeeman splitting and spin-orbit interaction on the Josephson current in a superconductorâ€two-dimensional electron gasâ€superconductor structure. <i>Physical Review B</i> , 2002, 66, .	3.2	58
30	Current noise in long diffusive SNS junctions in the incoherent multiple Andreev reflections regime. <i>Physical Review B</i> , 2001, 63, .	3.2	21
31	Electron renormalization of sound interaction with two-level systems in superconducting metallic glasses. <i>Physical Review B</i> , 2000, 62, 6656-6664.	3.2	4
32	Multiple Andreev reflection in single-atom niobium junctions. <i>Physical Review B</i> , 2000, 61, 8561-8569.	3.2	64
33	Circuit theory of multiple Andreev reflections in diffusive SNS junctions: The incoherent case. <i>Physical Review B</i> , 2000, 62, 14439-14451.	3.2	50
34	Multiple Andreev Reflections and Enhanced Shot Noise in Diffusive Superconducting-Normal-Superconductor Junctions. <i>Physical Review Letters</i> , 1999, 83, 2050-2053.	7.8	35
35	Sound attenuation in the superconducting amorphous alloy ZrTiCuNiBe. <i>Low Temperature Physics</i> , 1999, 25, 999-1002.	0.6	0
36	On the theory of Josephson effect in a diffusive tunnel junction. <i>Low Temperature Physics</i> , 1999, 25, 167-174.	0.6	12

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37	Electron sound in aluminum. Electronâ€“electron scattering. Low Temperature Physics, 1998, 24, 169-181.	0.6	0
38	dc-current transport and ac Josephson effect in quantum junctions at low voltage. Physical Review B, 1997, 55, 12666-12677.	3.2	47
39	Low-temperature acoustic characteristics of the amorphous alloy Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} . Low Temperature Physics, 1997, 23, 857-860.	0.6	6
40	Quasiwaves in superconductors. Low Temperature Physics, 1997, 23, 507-513.	0.6	2
41	Electron sound in Al. European Physical Journal D, 1996, 46, 2547-2548.	0.4	0
42	Investigation of low-temperature electron relaxation by zero sound attenuation. Journal of Low Temperature Physics, 1993, 91, 179-202.	1.4	6
43	Theory of zero sound in normal and superconducting metals. Physica B: Condensed Matter, 1991, 173, 401-404.	2.7	2
44	Zero sound in metals. Physica B: Condensed Matter, 1991, 173, 405-407.	2.7	1
45	Zero sound in normal and superconducting molybdenum. Journal of Physics Condensed Matter, 1991, 3, 7867-7876.	1.8	9
46	Helical electromagnetic solitons in metals. Physical Review B, 1990, 42, 3729-3732.	3.2	0
47	Dielectric response functions in the problem of longitudinal collective mode excitation in superconductors. Journal of Low Temperature Physics, 1982, 47, 511-544.	1.4	2