

Eugene Bezuglyi

List of Publications by Year in descending order

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47
papers

618
citations

759233

12
h-index

580821

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47
all docs

47
docs citations

47
times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonantly suppressed transmission and anomalously enhanced light absorption in periodically modulated ultrathin metal films. <i>Physical Review B</i> , 2009, 79, .	3.2	70
2	Multiple Andreev reflection in single-atom niobium junctions. <i>Physical Review B</i> , 2000, 61, 8561-8569.	3.2	64
3	Combined effect of Zeeman splitting and spin-orbit interaction on the Josephson current in a superconductor–two-dimensional electron gas–superconductor structure. <i>Physical Review B</i> , 2002, 66, .	3.2	58
4	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
5	dc-current transport and ac Josephson effect in quantum junctions at low voltage. <i>Physical Review B</i> , 1997, 55, 12666-12677.	3.2	47
6	Heat Transport in Proximity Structures. <i>Physical Review Letters</i> , 2003, 91, 137002.	7.8	36
7	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
8	Electron cooling by diffusive normal metal–superconductor tunnel junctions. <i>Physical Review B</i> , 2010, 81, .	3.2	31
9	Subgap current in superconducting tunnel junctions with diffusive electrodes. <i>Physical Review B</i> , 2006, 73, .	3.2	27
10	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
11	Nonequilibrium effects in tunnel Josephson junctions. <i>Physical Review B</i> , 2005, 72, .	3.2	26
12	Current noise in long diffusive SNS junctions in the incoherent multiple Andreev reflections regime. <i>Physical Review B</i> , 2001, 63, .	3.2	21
13	On the theory of Josephson effect in a diffusive tunnel junction. <i>Low Temperature Physics</i> , 1999, 25, 167-174.	0.6	12
14	Zero sound in normal and superconducting molybdenum. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 7867-7876.	1.8	9
15	Coherent current transport in wide ballistic Josephson junctions. <i>Physical Review B</i> , 2004, 70, .	3.2	9
16	Dissipative charge transport in diffusive superconducting double-barrier junctions. <i>Physical Review B</i> , 2011, 83, .	3.2	9
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Investigation of low-temperature electron relaxation by zero sound attenuation. Journal of Low Temperature Physics, 1993, 91, 179-202.	1.4	6
20	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
21	Characteristics of the electric field accompanying a longitudinal acoustic wave in a metal. Anomaly in the superconducting phase. Low Temperature Physics, 2002, 28, 328.	0.6	6
22	Multiparticle tunnelling in diffusive superconducting junctions. Superconductor Science and Technology, 2007, 20, 529-541.	3.5	6
23	Resonant subgap current transport in Josephson field effect transistor. Physical Review B, 2017, 95, .	3.2	6
24	AC Josephson properties of phase slip lines in wide tin films. Superconductor Science and Technology, 2007, 20, 891-894.	3.5	5
25	Electron sound in metals. Low Temperature Physics, 2009, 35, 724-734.	0.6	5
26	Electron renormalization of sound interaction with two-level systems in superconducting metallic glasses. Physical Review B, 2000, 62, 6656-6664.	3.2	4
27	Phase-dependent counting statistics in a short-arm Andreev interferometer. Physical Review B, 2004, 70, .	3.2	3
28	Temperature dependences of microwave-enhanced critical current in wide tin films. Low Temperature Physics, 2007, 33, 300-306.	0.6	3
29	Electric potential of the electron sound wave: Sharp disappearance in the superconducting state. Physical Review B, 2011, 84, .	3.2	3
30	Suppression of superconductivity of Dy _{0.6} Y _{0.4} Rh _{3.85} Ru _{0.15} B ₄ in inclined magnetic fields. Low Temperature Physics, 2015, 41, 270-272.	0.6	3
31	Current states in superconducting films: Numerical results. Low Temperature Physics, 2015, 41, 602-607.	0.6	3
32	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
33	Theory of zero sound in normal and superconducting metals. Physica B: Condensed Matter, 1991, 173, 401-404.	2.7	2
34	QuasIWaves in superconductors. Low Temperature Physics, 1997, 23, 507-513.	0.6	2
35	Electric field accompanying a longitudinal wave in pure metal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 373-375.	5.6	2
36	Current-voltage characteristics of asymmetric double-barrier Josephson junctions. Physica C: Superconductivity and Its Applications, 2014, 499, 15-23.	1.2	2

#	ARTICLE	IF	CITATIONS
37	Zero sound in metals. <i>Physica B: Condensed Matter</i> , 1991, 173, 405-407.	2.7	1
38	Enhancement of critical current by microwave irradiation in wide superconducting films. <i>Superconductor Science and Technology</i> , 2006, 19, 883-889.	3.5	1
39	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
40	Nonequilibrium and relaxation effects in tunnel superconducting junctions. <i>Superconductor Science and Technology</i> , 2017, 30, 025011.	3.5	1
41	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
42	Helical electromagnetic solitons in metals. <i>Physical Review B</i> , 1990, 42, 3729-3732.	3.2	0
43	Electron sound in Al. <i>European Physical Journal D</i> , 1996, 46, 2547-2548.	0.4	0
44	Electron sound in aluminum. Electronâ€™electron scattering. <i>Low Temperature Physics</i> , 1998, 24, 169-181.	0.6	0
45	Sound attenuation in the superconducting amorphous alloy ZrTiCuNiBe. <i>Low Temperature Physics</i> , 1999, 25, 999-1002.	0.6	0
46	Enhanced current shot noise in superconducting junctions. , 2003, 5112, 174.		0
47	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