

Sergii Kuplevakhsky

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Higgs mechanism in superconducting structures. <i>Low Temperature Physics</i> , 2017, 43, 329-342.	0.6	0
2	Oscillations of critical superconducting current in thin doubly-connected Sn films in an external perpendicular magnetic field. <i>Low Temperature Physics</i> , 2014, 40, 408-417.	0.6	6
3	Soliton states in mesoscopic two-band-superconducting cylinders. <i>Low Temperature Physics</i> , 2011, 37, 667-677.	0.6	32
4	Exact analytical solution of a classical Josephson tunnel junction problem. <i>Low Temperature Physics</i> , 2010, 36, 1012-1021.	0.6	6
5	Josephson Vortices in Weakly-Coupled Superconductors as Topological Solitons of the Sine-Gordon Equations for Phase Differences. <i>Journal of Low Temperature Physics</i> , 2005, 139, 141-154.	1.4	2
6	Topological solitons of the Lawrence–Doniach model as equilibrium Josephson vortices in layered superconductors. <i>Low Temperature Physics</i> , 2004, 30, 646-660.	0.6	3
7	Microscopic theory of weakly coupled superconducting multilayers in an external magnetic field. <i>Physical Review B</i> , 1999, 60, 7496-7511.	3.2	10
8	Current-carrying states in superconductor/insulator and superconductor/semiconductor superlattices in the mesoscopic regime. <i>Superlattices and Microstructures</i> , 1999, 25, 819-828.	3.1	1
9	Current-carrying states in superconducting multilayers with Josephson interlayer coupling for temperatures close to T_c : A microscopic theory. <i>Physical Review B</i> , 1997, 56, 2764-2778.	3.2	6
10	Microscopic theory of the dc Josephson effect in clean superconductor/insulator and superconductor/semiconductor multilayers. <i>Physical Review B</i> , 1997, 56, 7858-7861.	3.2	4
11	Flux quantization in inhomogeneous superconductors. <i>European Physical Journal D</i> , 1996, 46, 2825-2826.	0.4	1
12	Subgap excitations in an irregular superconducting S/I superlattice in the current-carrying state. <i>European Physical Journal D</i> , 1996, 46, 581-582.	0.4	0
13	Current-induced bound states in superconducting junctions of finite dimension. <i>Physica B: Condensed Matter</i> , 1996, 218, 138-140.	2.7	0
14	Influence of magnetic field and Pincus states in normal-metal–superconductor tunnel junctions. <i>Physical Review B</i> , 1996, 54, 6545-6556.	3.2	2
15	Effect of the exchange interaction on the Josephson current and the energy spectrum of a superconducting junction with a paramagnetic tunnel barrier. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 148, 218-220.	2.3	2