

Vladimir Kogan

List of Publications by Year in descending order

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papers

1,179
citations

687363

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docs citations

34
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissipation of moving vortices in thin films. Physical Review B, 2022, 105, .	3.2	4
2	Multiband superconductivity in V_3Si determined from studying the response to controlled disorder. Physical Review B, 2022, 105, .	3.2	9
3	Superconductivity and phase diagrams of $CaK_2MgW_2O_{10}$. Physical Review B, 2022, 105, .	3.2	2
4	Moving Pearl Vortices in Thin-Film Superconductors. Condensed Matter, 2021, 6, 4.	1.8	3
5	Temperature dependence of London penetration depth anisotropy in superconductors with anisotropic order parameters. Physical Review B, 2021, 103, .	3.2	7
6	Moving vortices in anisotropic superconductors. Physical Review B, 2021, 104, .	3.2	1
7	Pearl vortices in anisotropic superconducting films. Physical Review B, 2021, 104, .	3.2	1
8	Interaction between moving Abrikosov vortices in type-II superconductors. Physical Review B, 2020, 102, .	3.2	9
9	Anisotropic time-dependent London approach: Application to the ac response in the Meissner state. Physical Review B, 2020, 102, .	3.2	2
10	Temperature-dependent anisotropies of upper critical field and London penetration depth. Physical Review B, 2019, 100, .	3.2	10
11	Time-dependent London approach: Dissipation due to out-of-core normal excitations by moving vortices. Physical Review B, 2018, 97, .	3.2	11
12	Giant microwave absorption in fine powders of superconductors. Scientific Reports, 2018, 8, 11480.	3.3	5
13	Subsurface bending and reorientation of tilted vortex lattices in bulk isotropic superconductors due to Coulomb-like repulsion at the surface. Physical Review B, 2017, 96, .	3.2	7
14	Interband coupling and nonmagnetic interband scattering in $CaK_2MgW_2O_{10}$. Physical Review B, 2016, 93, .	3.2	10
15	Anisotropic criteria for the type of superconductivity. Physical Review B, 2014, 90, .	3.2	7
16	Homes scaling and BCS. Physical Review B, 2013, 87, .	3.2	39
17	Orbital upper critical field and its anisotropy of clean one- and two-band superconductors. Reports on Progress in Physics, 2012, 75, 114502.	20.1	72
18	London penetration depth in iron-based superconductors. Reports on Progress in Physics, 2011, 74, 124505.	20.1	152

#	ARTICLE	IF	CITATIONS
19	Interface energy of two-band superconductors. Physical Review B, 2010, 82, .	3.2	26
20	Superfluid density and specific heat within a self-consistent scheme for a two-band superconductor. Physical Review B, 2009, 80, .	3.2	124
21	Thin-film Josephson junctions with alternating critical current density. Physical Review B, 2009, 79, .	3.2	3
22	Nonexponential London penetration depth of external magnetic fields in superconducting $Ba_{1-x}Bi_x$. Physical Review B, 2009, 80, .	3.2	77
23	Superfluid density in gapless superconductor CeCoIn5. Journal of Physics Condensed Matter, 2009, 21, 102204.	1.8	13
24	Edge-type Josephson junctions in narrow thin-film strips. Physical Review B, 2008, 78, .	3.2	23
25	Measuring the penetration depth anisotropy in MgB2 using small-angle neutron scattering. Physical Review B, 2006, 73, .	3.2	16
26	Magnetic-field-induced orientation of superconducting MgB2 crystallites determined by x-ray diffraction. Physical Review B, 2006, 74, .	3.2	1
27	Observation of domain boundaries in a TbNi2B2C single crystal. JETP Letters, 2003, 77, 502-504.	1.4	6
28	Current in Narrow Channels of Anisotropic Superconductors. Physical Review Letters, 2003, 90, 067004.	7.8	4
29	Free Energy and Torque for Superconductors with Different Anisotropies of H_{c2} and λ . Physical Review Letters, 2002, 89, 237005.	7.8	45
30	Macroscopic anisotropy in superconductors with anisotropic gaps. Physical Review B, 2002, 66, .	3.2	111
31	Basic properties and possible high superconducting anisotropy of MgB ₂ sintered powders and wire segments. AIP Conference Proceedings, 2002, , .	0.4	2
32	VORTEX LATTICE TRANSITIONS. Series on Directions in Condensed Matter Physics, 1998, , 127-149.	0.1	7
33	Vortex Lattices in Cubic Superconductors. Physical Review Letters, 1997, 79, 741-744.	7.8	71
34	London approach to anisotropic type-II superconductors. Physical Review B, 1981, 24, 1572-1575.	3.2	292