Vladimir Kogan

List of Publications by Year
in descending order

34	1,179	687363 13	377865 34
papers	citations	h-index	g-index

34	34	34	912
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	London approach to anisotropic type-II superconductors. Physical Review B, 1981, 24, 1572-1575.	3.2	292
2	London penetration depth in iron-based superconductors. Reports on Progress in Physics, 2011, 74, 124505.	20.1	152
3	Superfluid density and specific heat within a self-consistent scheme for a two-band superconductor. Physical Review B, 2009, 80, .	3.2	124
4	Macroscopic anisotropy in superconductors with anisotropic gaps. Physical Review B, 2002, 66, .	3.2	111
5	Nonexponential London penetration depth of external magnetic fields in superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ba</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2009, 80, .	3.2	77
6	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
7	Vortex Lattices in Cubic Superconductors. Physical Review Letters, 1997, 79, 741-744.	7.8	71
8	Free Energy and Torque for Superconductors with Different Anisotropies ofHc2andÎ». Physical Review Letters, 2002, 89, 237005.	7.8	45
9	Homes scaling and BCS. Physical Review B, 2013, 87, .	3.2	39
10	Interface energy of two-band superconductors. Physical Review B, 2010, 82, .	3.2	26
11	Edge-type Josephson junctions in narrow thin-film strips. Physical Review B, 2008, 78, .	3.2	23
12	Measuring the penetration depth anisotropy inMgB2using small-angle neutron scattering. Physical Review B, 2006, 73, .	3.2	16
13	Superfluid density in gapless superconductor CeCoIn5. Journal of Physics Condensed Matter, 2009, 21, 102204.	1.8	13
14	Interband coupling and nonmagnetic interband scattering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>Â±</mml:mo><mml:mi>s</mml:mi></mml:mrow></mml Physical Review B, 2016, 93, .	3.2	13
15	Time-dependent London approach: Dissipation due to out-of-core normal excitations by moving vortices. Physical Review B, 2018, 97, .	3.2	11
16	Temperature-dependent anisotropies of upper critical field and London penetration depth. Physical Review B, 2019, 100, .	3.2	10
17	Interaction between moving Abrikosov vortices in type-II superconductors. Physical Review B, 2020, 102, .	3.2	9
18	Multiband superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Si</mml:mi></mml:math> determined from studying the response to controlled disorder. Physical Review B, 2022, 105, .	3.2	9

#	Article	IF	Citations
19	Anisotropic criteria for the type of superconductivity. Physical Review B, 2014, 90, .	3.2	7
20	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
21	Temperature dependence of London penetration depth anisotropy in superconductors with anisotropic order parameters. Physical Review B, 2021, 103, .	3.2	7
22	VORTEX LATTICE TRANSITIONS. Series on Directions in Condensed Matter Physics, 1998, , 127-149.	0.1	7
23	Observation of domain boundaries in a TbNi2B2C single crystal. JETP Letters, 2003, 77, 502-504.	1.4	6
24	Superconductivity and phase diagrams of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>CaK</mml:mi><mml:mo>(</mml:mo><mml:msub><mml:mrow><mml: Physical Review B, 2022, 105, .	3.2	6
25	Giant microwave absorption in fine powders of superconductors. Scientific Reports, 2018, 8, 11480.	3.3	5
26	Current in Narrow Channels of Anisotropic Superconductors. Physical Review Letters, 2003, 90, 067004.	7.8	4
27	Dissipation of moving vortices in thin films. Physical Review B, 2022, 105, .	3.2	4
28	Thin-film Josephson junctions with alternating critical current density. Physical Review B, 2009, 79, .	3.2	3
29	Moving Pearl Vortices in Thin-Film Superconductors. Condensed Matter, 2021, 6, 4.	1.8	3
30	Basic properties and possible high superconducting anisotropy of MgB[sub 2] sintered powders and wire segments. AIP Conference Proceedings, 2002, , .	0.4	2
31	Anisotropic time-dependent London approach: Application to the ac response in the Meissner state. Physical Review B, 2020, 102, .	3.2	2
32	Magnetic-field-induced orientation of superconductingMgB2crystallites determined by x-ray diffraction. Physical Review B, 2006, 74, .	3.2	1
33	Moving vortices in anisotropic superconductors. Physical Review B, 2021, 104, .	3.2	1
34	Pearl vortices in anisotropic superconducting films. Physical Review B, 2021, 104, .	3.2	1