

Alexei E Koshelev

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

7,773
citations

45
h-index

83
g-index

180
ext. papers

8,229
ext. citations

4.1
avg, IF

6.05
L-index

#	Paper	IF	Citations
168	Observing the Suppression of Superconductivity in RbEuFe ₄ As ₄ by Correlated Magnetic Fluctuations. <i>Physical Review Letters</i> , 2021 , 126, 157001	7.4	5
167	Cooperative response of magnetism and superconductivity in the magnetic superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2020 , 101,	3.3	3
166	Magnetoresistance Scaling and the Origin of H-Linear Resistivity in BaFe ₂ (As _{1-x} Px) ₂ . <i>Physical Review X</i> , 2020 , 10,	9.1	1
165	Suppression of superconducting parameters by correlated quasi-two-dimensional magnetic fluctuations. <i>Physical Review B</i> , 2020 , 102,	3.3	1
164	Melting of vortex lattice in the magnetic superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 100,	3.3	6
163	Strongly fluctuating moments in the high-temperature magnetic superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 99,	3.3	14
162	Quantum FFLO State in Clean Layered Superconductors. <i>Physical Review X</i> , 2019 , 9,	9.1	8
161	Self-induced magnetic flux structure in the magnetic superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 99,	3.3	9
160	Vortex-core properties and vortex-lattice transformation in FeSe. <i>Physical Review B</i> , 2019 , 99,	3.3	2
159	Targeted evolution of pinning landscapes for large superconducting critical currents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10291-10296	11.5	11
158	Temperature-dependent anisotropies of upper critical field and London penetration depth. <i>Physical Review B</i> , 2019 , 100,	3.3	5
157	Helical structures in layered magnetic superconductors due to indirect exchange interactions mediated by interlayer tunneling. <i>Physical Review B</i> , 2019 , 100,	3.3	7
156	Anisotropic upper critical field of pristine and proton-irradiated single crystals of the magnetically ordered superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 100,	3.3	9
155	Observation of a two-mode resonant state in a Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ mesa device for terahertz emission. <i>Physical Review B</i> , 2019 , 100,	3.3	5
154	Tuning the structure of the Josephson vortex lattice in BiSrCaCuO single crystals with pancake vortices. <i>Scientific Reports</i> , 2018 , 8, 10914	4.9	2
153	Strong-pinning regimes by spherical inclusions in anisotropic type-II superconductors. <i>Superconductor Science and Technology</i> , 2018 , 31, 014001	3.1	27
152	Thick Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ films grown by liquid-phase epitaxy for Josephson THz applications. <i>Superconductor Science and Technology</i> , 2018 , 31, 015009	3.1	2

151	Nanocalorimetric evidence for nematic superconductivity in the doped topological insulator Sr _{0.1} Bi ₂ Se ₃ . <i>Physical Review B</i> , 2018 , 98,	3-3	21
150	Anisotropic superconductivity and magnetism in single-crystal RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2018 , 98,	3-3	24
149	Peak effect due to competing vortex ground states in superconductors with large inclusions. <i>Physical Review B</i> , 2018 , 98,	3-3	10
148	Superconducting and normal-state anisotropy of the doped topological insulator SrBiSe. <i>Scientific Reports</i> , 2018 , 8, 7666	4-9	23
147	Interplay between orbital-quantization effects and the Fulde-Ferrell-Larkin-Ovchinnikov instability in multiple-band layered superconductors. <i>Physical Review B</i> , 2018 , 97,	3-3	4
146	Strong Landau-quantization effects in high-magnetic-field superconductivity of a two-dimensional multiple-band metal near the Lifshitz transition. <i>Physical Review B</i> , 2017 , 95,	3-3	4
145	Vortices in high-performance high-temperature superconductors. <i>Reports on Progress in Physics</i> , 2016 , 79, 116501	14.4	100
144	Simulation of the Vortex Dynamics in a Real Pinning Landscape of YBa ₂ Cu ₃ O ₇ -Coated Conductors. <i>Physical Review Applied</i> , 2016 , 5,	4-3	28
143	Optimization of vortex pinning by nanoparticles using simulations of the time-dependent Ginzburg-Landau model. <i>Physical Review B</i> , 2016 , 93,	3-3	32
142	Magnetotransport of multiple-band nearly antiferromagnetic metals due to hot-spot scattering. <i>Physical Review B</i> , 2016 , 94,	3-3	5
141	Toward Superconducting Critical Current by Design. <i>Advanced Materials</i> , 2016 , 28, 4593-600	24	45
140	Surface nematic order in iron pnictides. <i>Physical Review B</i> , 2016 , 94,	3-3	2
139	Stable large-scale solver for Ginzburg-Landau equations for superconductors. <i>Journal of Computational Physics</i> , 2015 , 294, 639-654	4-1	45
138	Critical fields and vortex pinning in overdoped Ba _{0.2} K _{0.8} Fe ₂ As ₂ . <i>Physical Review B</i> , 2015 , 91,	3-3	5
137	Anisotropic superconductors in tilted magnetic fields. <i>Physical Review B</i> , 2015 , 91,	3-3	8
136	Local spin-density-wave order inside vortex cores in multiband superconductors. <i>Physical Review B</i> , 2015 , 92,	3-3	2
135	Current Filamentation in Large Bi ₂ Sr ₂ CaCu ₂ O ₈ +Mesa Devices Observed via Luminescent and Scanning Laser Thermal Microscopy. <i>Physical Review Applied</i> , 2015 , 3,	4-3	19
134	Stripe domains and first-order phase transition in the vortex matter of anisotropic high-temperature superconductors. <i>Physical Review Letters</i> , 2014 , 112, 157001	7-4	2

133	Fluctuations in two-band superconductors in strong magnetic field. <i>Superconductor Science and Technology</i> , 2014 , 27, 124001	3.1	12
132	Anomalous density of states in multiband superconductors near the Lifshitz transition. <i>Physical Review B</i> , 2014 , 90,	3.3	8
131	Complex state induced by impurities in multiband superconductors. <i>Physical Review B</i> , 2014 , 89,	3.3	18
130	Synchronization of Josephson oscillations in a mesa array of Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ through the Josephson plasma waves in the base crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 491, 24-29	1.3	11
129	Linewidth of the electromagnetic radiation from Josephson junctions near cavity resonances. <i>Physical Review B</i> , 2013 , 87,	3.3	8
128	Huge critical current density and tailored superconducting anisotropy in SmFeAsO _{0.85} F _{0.15} by low-density columnar-defect incorporation. <i>Nature Communications</i> , 2013 , 4, 2655	17.4	59
127	Josephson vortex lattice in layered superconductors. <i>Journal of Experimental and Theoretical Physics</i> , 2013 , 117, 449-479	1	10
126	The ac Josephson relation and inhomogeneous temperature distributions in large Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ mesas for THz emission. <i>Superconductor Science and Technology</i> , 2013 , 26, 085016	3.1	19
125	High-field critical current enhancement by irradiation induced correlated and random defects in (Ba _{0.6} K _{0.4})Fe ₂ As ₂ . <i>Applied Physics Letters</i> , 2013 , 103, 202601	3.4	36
124	Linear magnetoconductivity in multiband spin-density-wave metals with nonideal nesting. <i>Physical Review B</i> , 2013 , 88,	3.3	15
123	Powerful terahertz emission from Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ mesa arrays. <i>Applied Physics Letters</i> , 2013 , 103, 022602	3.4	79
122	Direct imaging of hot spots in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ mesa terahertz sources. <i>Journal of Applied Physics</i> , 2013 , 113, 133902	2.5	54
121	Phase diagram of Josephson junction between s and s _B superconductors in the dirty limit. <i>Physical Review B</i> , 2012 , 86,	3.3	11
120	High, magnetic field independent critical currents in (Ba,K)Fe ₂ As ₂ crystals. <i>Applied Physics Letters</i> , 2012 , 101, 012601	3.4	70
119	Anomalous proximity effects at the interface of s- and s _B - superconductors. <i>Physical Review B</i> , 2012 , 86,	3.3	20
118	Mesoscopic variations of local density of states in disordered superconductors. <i>Physical Review B</i> , 2012 , 85,	3.3	2
117	Anisotropic phase diagram and superconducting fluctuations of single-crystalline SmFeAsO _{0.85} F _{0.15} . <i>Physical Review B</i> , 2011 , 83,	3.3	42
116	Proximity fingerprint of s _B -superconductivity. <i>Europhysics Letters</i> , 2011 , 96, 27014	1.6	13

115	Thermal conductivity in the mixed state of a superconductor at low magnetic fields. <i>Physical Review B</i> , 2011 , 83,	3-3	6
114	Fluctuating pancake vortices revealed by dissipation of the Josephson vortex lattice. <i>Physical Review B</i> , 2011 , 83,	3-3	8
113	Tunable terahertz emission from Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ mesa devices. <i>Physical Review B</i> , 2011 , 84,	3-3	96
112	Doping- and irradiation-controlled pinning of vortices in BaFe ₂ (As _{1-x} P _x) ₂ single crystals. <i>Physical Review B</i> , 2011 , 84,	3-3	43
111	Theory and simulations on strong pinning of vortex lines by nanoparticles. <i>Physical Review B</i> , 2011 , 84,	3-3	54
110	Shunt-capacitor-assisted synchronization of oscillations in intrinsic Josephson junctions stack. <i>Journal of Applied Physics</i> , 2010 , 108, 033908	2-5	7
109	Stability of dynamic coherent states in intrinsic Josephson-junction stacks near internal cavity resonance. <i>Physical Review B</i> , 2010 , 82,	3-3	53
108	Statistics of the subgap states of s _d superconductors. <i>Physical Review B</i> , 2010 , 82,	3-3	21
107	Effect of point-like disorder on the vortex phase diagram in Bi ₂ Sr ₂ CaCu ₂ O ₈ in oblique field. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S257-S258	1-3	1
106	Thermal Management in Large Bi ₂₂₁₂ Mesas Used for Terahertz Sources. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 428-431	1-8	37
105	Anisotropic phase diagram and strong coupling effects in Ba _{1-x} K _x Fe ₂ As ₂ from specific-heat measurements. <i>Physical Review B</i> , 2009 , 79,	3-3	56
104	Emission of Terahertz Waves From Stacks of Intrinsic Josephson Junctions. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 886-890	1-8	37
103	Resonant terahertz radiation from layered superconductors: mechanisms of damping and structure of dynamic states. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052124	0-3	10
102	Coexisting multiple dynamic states generated by magnetic field in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ stacked Josephson junctions. <i>Europhysics Letters</i> , 2009 , 88, 27007	1-6	3
101	Terahertz wave emission from intrinsic Josephson junctions in high-T _c superconductors. <i>Superconductor Science and Technology</i> , 2009 , 22, 114009	3-1	37
100	Specific heat and phase diagrams of single crystal iron pnictide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 575-581	1-3	17
99	STM studies of Co _x NbSe ₂ and Mn _x NbSe ₂ . <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052073	0-3	3
98	Vortex matter in Bi ₂ Sr ₂ CaCu ₂ O ₈ with pointlike disorder. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052119	0-3	4

97	Alternating dynamic state self-generated by internal resonance in stacks of intrinsic Josephson junctions. <i>Physical Review B</i> , 2008 , 78,	3-3	90
96	Resonant electromagnetic emission from intrinsic Josephson-junction stacks with laterally modulated Josephson critical current. <i>Physical Review B</i> , 2008 , 77,	3-3	94
95	Effect of magnetic impurities on the vortex lattice properties in NbSe ₂ single crystals. <i>Physical Review B</i> , 2008 , 78,	3-3	34
94	Shapiro steps and stimulated radiation of electromagnetic waves due to Josephson oscillations in layered superconductors. <i>Physical Review B</i> , 2008 , 78,	3-3	8
93	Calorimetric determination of the upper critical fields and anisotropy of NdFeAsO _{1-x} Fx single crystals. <i>Physical Review B</i> , 2008 , 78,	3-3	53
92	Radiation from Flux Flow in Josephson Junction Structures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2007 , 19, 349-367	1.5	39
91	Magnetic oscillations of critical current in intrinsic Josephson-junction stacks. <i>Physical Review B</i> , 2007 , 75,	3-3	14
90	Microscopic theory of thermal phase slips in clean narrow superconducting wires. <i>Physical Review Letters</i> , 2007 , 98, 197005	7-4	14
89	Radiation due to Josephson oscillations in layered superconductors. <i>Physical Review Letters</i> , 2007 , 99, 057002	7-4	103
88	Electrodynamics of the Josephson vortex lattice in high-temperature superconductors. <i>Physical Review B</i> , 2007 , 76,	3-3	8
87	Emission of coherent THz radiation from superconductors. <i>Science</i> , 2007 , 318, 1291-3	33-3	581
86	Composite to tilted vortex lattice transition in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} in oblique fields. <i>Physical Review Letters</i> , 2006 , 97, 237005	7-4	18
85	Radiation from a single Josephson junction into free space due to Josephson oscillations. <i>Physical Review Letters</i> , 2006 , 97, 267001	7-4	41
84	Slowing down the Josephson vortex lattice in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} with pancake vortices. <i>Physical Review B</i> , 2006 , 74,	3-3	13
83	Theory of fluctuations in a two-band superconductor: MgB ₂ . <i>Physical Review B</i> , 2005 , 72,	3-3	27
82	Tilted and crossing vortex chains in layered superconductors. <i>Journal of Low Temperature Physics</i> , 2005 , 139, 111-125	1-3	1
81	Tilted and Crossing Vortex Chains in Layered Superconductors. <i>Journal of Low Temperature Physics</i> , 2005 , 139, 111-125	1-3	
80	Vortex-chain phases in layered superconductors. <i>Physical Review B</i> , 2005 , 71,	3-3	30

79	Effect of disorder in MgB ₂ thin films. <i>Physical Review B</i> , 2005 , 71,	3-3	37
78	Tilt of pancake vortex stacks in layered superconductors in the crossing lattice regime. <i>Physical Review Letters</i> , 2005 , 94, 067001	7-4	13
77	STM tunnelling spectroscopy in MgB ₂ thin films: the role of band structure in tunnelling spectra. <i>Superconductor Science and Technology</i> , 2004 , 17, S106-S111	3-1	6
76	Why magnesium diboride is not described by anisotropic Ginzburg-Landau theory. <i>Physical Review Letters</i> , 2004 , 92, 107008	7-4	57
75	Two-band effects in the angular dependence of H _{c2} of MgB ₂ single crystals. <i>Physical Review B</i> , 2004 , 70,	3-3	43
74	Magneto-Optical Imaging of Josephson Vortices in Layered Superconductors 2004 , 39-46		1
73	Upper critical field in dirty two-band superconductors: Breakdown of the anisotropic Ginzburg-Landau theory. <i>Physical Review B</i> , 2003 , 68,	3-3	109
72	Periodic alternating 0- and π -junction structures as realization of π -Josephson junctions. <i>Physical Review B</i> , 2003 , 67,	3-3	114
71	Mixed state of a dirty two-band superconductor: application to MgB ₂ . <i>Physical Review Letters</i> , 2003 , 90, 177002	7-4	118
70	Probing quasiparticle dynamics in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ with a driven Josephson vortex lattice. <i>Physical Review B</i> , 2003 , 68,	3-3	33
69	Vortex matter in layered superconductors without Josephson coupling: Numerical simulations within a mean-field approach. <i>Physical Review B</i> , 2003 , 67,	3-3	21
68	Josephson vortices and solitons inside pancake vortex lattice in layered superconductors. <i>Physical Review B</i> , 2003 , 68,	3-3	34
67	Surface contribution to the superconducting properties of MgB ₂ single crystals. <i>Physical Review B</i> , 2003 , 68,	3-3	37
66	Novel features of Josephson flux flow in Bi-2212: contribution of in-plane dissipation, coherent response to mm-wave radiation, size effect. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 367, 365-375	1-3	17
65	Visualization of interacting crossing vortex lattices in the presence of quenched disorder. <i>Physical Review Letters</i> , 2002 , 89, 217003	7-4	19
64	Evidence for linelike vortex liquid phase in Tl ₂ Ba ₂ CaCu ₂ O ₈ probed by the Josephson plasma resonance. <i>Physical Review B</i> , 2002 , 66,	3-3	12
63	Edge critical currents of dense Josephson vortex lattice in layered superconductors. <i>Physical Review B</i> , 2002 , 66,	3-3	52
62	Two-band superconductivity in MgB ₂ . <i>Physical Review Letters</i> , 2002 , 89, 187002	7-4	274

61	Terahertz Technology: Terahertz Tomographic Imaging With a Fresnel Lens. <i>Optics and Photonics News</i> , 2002 , 13, 58	1.9	11
60	Transport currents measured in ring samples: test of superconducting weld. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 350, 17-23	1.3	26
59	Effects of vortex pinning and thermal fluctuations on the Josephson plasma resonance in $Tl_2Ba_2CaCu_2O_8$ and $YBa_2Cu_3O_{6.5}$. <i>Physical Review Letters</i> , 2001 , 86, 4660-3	7.4	20
58	Suppression of surface barriers in superconductors by columnar defects. <i>Physical Review B</i> , 2001 , 64,	3.3	23
57	Dynamic structure selection and instabilities of driven Josephson lattice in high-temperature superconductors. <i>Physical Review B</i> , 2001 , 64,	3.3	41
56	Josephson coupling and plasma resonance in a vortex crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1503-1506	1.3	11
55	Plasma resonance at low magnetic fields as a probe of vortex line meandering in layered superconductors. <i>Physical Review B</i> , 2000 , 61, R3819-R3822	3.3	20
54	Role of in-plane dissipation in dynamics of a Josephson vortex lattice in high-temperature superconductors. <i>Physical Review B</i> , 2000 , 62, R3616-R3619	3.3	38
53	Interlayer quasiparticle transport in the vortex state of Josephson coupled superconductors. <i>Physical Review Letters</i> , 2000 , 84, 1296-9	7.4	14
52	Evaporation of the pancake-vortex lattice in weakly coupled layered superconductors. <i>Physical Review Letters</i> , 2000 , 84, 2698-701	7.4	32
51	Josephson coupling, phase correlations, and Josephson plasma resonance in vortex liquid phase. <i>Physical Review B</i> , 2000 , 62, 14403-14418	3.3	28
50	Numerical simulations of driven vortex systems. <i>Physical Review B</i> , 2000 , 61, 1446-1455	3.3	36
49	Resonances, instabilities, and structure selection of driven Josephson lattice in layered superconductors. <i>Physical Review Letters</i> , 2000 , 85, 3938-41	7.4	42
48	Fluctuation broadening of the plasma resonance line in the vortex liquid state of layered superconductors. <i>Physical Review B</i> , 1999 , 60, R3743-R3746	3.3	12
47	Crossing Lattices, Vortex Chains, and Angular Dependence of Melting Line in Layered Superconductors. <i>Physical Review Letters</i> , 1999 , 83, 187-190	7.4	208
46	Angular dependence of c-axis magnetoresistance in $Bi_2Sr_2CaCu_2O_{8+\delta}$ single crystals with columnar defects. <i>Physical Review B</i> , 1999 , 60, 96-99	3.3	5
45	Universal properties for linelike melting of the vortex lattice. <i>Physical Review B</i> , 1999 , 59, 4358-4363	3.3	15
44	Structure of Vortex Liquid Phase in Irradiated $Bi_2Sr_2CaCu_2O_{8+\delta}$ Crystals. <i>Physical Review Letters</i> , 1999 , 82, 1008-1011	7.4	25

43	Pinning-induced transition to disordered vortex phase in layered superconductors. <i>Physical Review B</i> , 1998 , 57, 8026-8033	3-3	92
42	Josephson Plasma Resonance as a Structural Probe of Vortex Liquid. <i>Physical Review Letters</i> , 1998 , 81, 902-905	7-4	34
41	Phase diagram for a driven vortex lattice in layered superconductors. <i>Physical Review B</i> , 1997 , 56, 5136-5139	3-3	19
40	Scanning Tunneling Microscopy Observation of a Square Abrikosov Lattice in LuNi ₂ B ₂ C. <i>Physical Review Letters</i> , 1997 , 78, 4273-4276	7-4	166
39	Point-like and line-like melting of the vortex lattice in the universal phase diagram of layered superconductors. <i>Physical Review B</i> , 1997 , 56, 11201-11212	3-3	56
38	Anisotropic Upper Critical Field of LuNi ₂ B ₂ C. <i>Physical Review Letters</i> , 1997 , 79, 1738-1741	7-4	100
37	Effects of 1-GeV uranium ion irradiation on vortex pinning in single crystals of the high-temperature superconductor YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1997 , 56, 913-924	3-3	82
36	The superconducting energy gap and vortex lattice structure in LuNi ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 355-358	1-3	6
35	Columnar defects and vortex fluctuations in layered superconductors. <i>Physical Review B</i> , 1996 , 53, R8855-R8858	3-3	14
34	Structure of a moving vortex lattice. <i>Physical Review Letters</i> , 1996 , 76, 831-834	7-4	34
33	Driven motion of vortices in superconductors 1996 , 303-315		1
32	Time-dependent Ginzburg-Landau simulations of vortex guidance by twin boundaries. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 263, 401-408	1-3	30
31	Mechanism of thermally activated c-axis dissipation in layered high-T _c superconductors at high fields. <i>Physical Review Letters</i> , 1996 , 76, 1340-1343	7-4	58
30	Disorder-induced decoupling of pancake vortices in a layered superconductor. <i>Physical Review B</i> , 1996 , 53, 2786-2791	3-3	58
29	Plasma Resonance and Remaining Josephson Coupling in the "Decoupled Vortex Liquid Phase" in Layered Superconductors. <i>Physical Review Letters</i> , 1996 , 77, 3901-3904	7-4	112
28	Static and Dynamic Vortex Phases in YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review Letters</i> , 1996 , 77, 2073-2076	7-4	86
27	Vortex shear modulus and lattice melting in twin boundary channels of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review Letters</i> , 1996 , 76, 4596-4599	7-4	56
26	Transport properties of high-temperature superconductors: Surface vs bulk effect. <i>Physical Review B</i> , 1996 , 54, 6750-6757	3-3	68

25	The 2D collective creep exponents reconsidered. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 248, 179-184	1-3	22
24	Low-angle resistivity anomaly in layered superconductors. <i>Physical Review B</i> , 1995 , 51, 11678-11682	3-3	4
23	Paramagnetic moment in field-cooled superconducting plates: Paramagnetic Meissner effect. <i>Physical Review B</i> , 1995 , 52, 13559-13562	3-3	125
22	Ginzburg-Landau theory of fluctuation magnetization of two-dimensional superconductors. <i>Physical Review B</i> , 1994 , 50, 506-516	3-3	80
21	Equilibrium magnetization of a Bi2Sr2CaCu2Ox single crystal measured up to 20 T. <i>Physical Review Letters</i> , 1994 , 72, 3614-3617	7-4	22
20	Vortex lattice melting in multilayers with variable anisotropies. <i>Physical Review Letters</i> , 1994 , 72, 3250-3253	7-3	22
19	Surface barrier in the mixed state of type-II superconductors near equilibrium. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 223, 276-282	1-3	29
18	Melting of the moving vortex lattice in the presence of disorder. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2655-2656	1-3	
17	Giant flux creep through the surface barriers and the irreversibility line in high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2783-2784	1-3	
16	Giant flux creep through surface barriers and the irreversibility line in high-temperature superconductors. <i>Physical Review B</i> , 1994 , 50, 16770-16773	3-3	135
15	Dynamic Melting of the Vortex Lattice. <i>Physical Review Letters</i> , 1994 , 73, 3580-3583	7-4	446
14	Collective-pinning theory for magnetically coupled layered superconductors. <i>Physical Review B</i> , 1993 , 48, 6539-6549	3-3	47
13	Kink walls and critical behavior of magnetization near the lock-in transition in layered superconductors. <i>Physical Review B</i> , 1993 , 48, 1180-1191	3-3	52
12	Influence of disorder on the transport properties of two-dimensional vortex liquids. <i>Physical Review B</i> , 1992 , 45, 12936-12941	3-3	7
11	Magnetic anisotropy of a Bi2Sr2CaCu2Ox single crystal. <i>Physical Review Letters</i> , 1992 , 69, 2276-2279	7-4	182
10	Numerical simulation of thermal depinning for a two-dimensional vortex system. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 198, 371-377	1-3	29
9	Thermally activated penetration of magnetic flux through a surface barrier in high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 191, 219-223	1-3	36
8	Thermal destruction of phase coherence in layered superconductors A new phase transition in an ordered vortex state. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 173, 180-184	1-3	29

7	Frequency response of pinned vortex lattice. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 173, 465-475	1.3	83
6	Thermally activated penetration of the magnetic flux through surface barrier in the high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2435-2436	1.3	6
5	Thermal fluctuations and phase transitions in the vortex state of a layered superconductor. <i>Physical Review B</i> , 1991 , 43, 2835-2843	3.3	507
4	Flux pinning and creep in very anisotropic high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 29-39	1.3	276
3	The role of surface effects in magnetization of high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 170, 291-297	1.3	221
2	Influence of electron-phonon scattering on the properties of high Tc superconductors. <i>Solid State Communications</i> , 1989 , 72, 81-83	1.6	29
1	Resistive Transition Broadening of Metal-Oxide Superconductors in Magnetic Fields. <i>Physica Status Solidi (B): Basic Research</i> , 1989 , 155, K45-K49	1.3	