

Eli Zeldov

List of Publications by Year in descending order

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196
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196
docs citations

196
times ranked

4821
citing authors

#	ARTICLE	IF	CITATIONS
1	Chern mosaic and Berry-curvature magnetism in magic-angle graphene. Nature Physics, 2022, 18, 885-892.	16.7	37
2	Direct observation of vortices in an electron fluid. Nature, 2022, 607, 74-80.	27.8	33
3	Long-range nontopological edge currents in charge-neutral graphene. Nature, 2021, 593, 528-534.	27.8	44
4	Nanoscale imaging of equilibrium quantum Hall edge currents and of the magnetic monopole response in graphene. Nature Physics, 2020, 16, 164-170.	16.7	54
5	Mapping the twist-angle disorder and Landau levels in magic-angle graphene. Nature, 2020, 581, 47-52.	27.8	241
6	SQUID-on-tip with single-electron spin sensitivity for high-field and ultra-low temperature nanomagnetic imaging. Nanoscale, 2020, 12, 3174-3182.	5.6	42
7	Sputtered Mo ₆₆ Re ₃₄ SQUID-on-Tip for High-Field Magnetic and Thermal Nanoimaging. Physical Review Applied, 2019, 12, .	3.8	20
8	Imaging work and dissipation in the quantum Hall state in graphene. Nature, 2019, 575, 628-633.	27.8	50
9	Resonant electron-lattice cooling in graphene. Physical Review B, 2018, 97, .	3.2	21
10	Imaging of super-fast dynamics and flow instabilities of superconducting vortices. Nature Communications, 2017, 8, 85.	12.8	149
11	Imaging resonant dissipation from individual atomic defects in graphene. Science, 2017, 358, 1303-1306.	12.6	66
12	Effects of uniaxial pressure on the quantum tunneling of magnetization in a high-symmetry Mn ₁₂ single-molecule magnet. Physical Review B, 2017, 95, .	3.2	7
13	Observation of superparamagnetism in coexistence with quantum anomalous Hall $\nu = \pm 1$ and $\nu = 0$ Chern states. Npj Quantum Materials, 2017, 2, .	5.2	23
14	Direct Reconstruction of Two-Dimensional Currents in Thin Films from Magnetic-Field Measurements. Physical Review Applied, 2017, 8, .	3.8	19
15	Electrically Tunable Multiterminal SQUID-on-Tip. Nano Letters, 2016, 16, 6910-6915.	9.1	18
16	Nanoscale thermal imaging of dissipation in quantum systems. Nature, 2016, 539, 407-410.	27.8	149
17	Emergent nanoscale superparamagnetism at oxide interfaces. Nature Communications, 2016, 7, 12566.	12.8	51
18	Multi-terminal multi-junction dc SQUID for nanoscale magnetometry. Superconductor Science and Technology, 2016, 29, 114001.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Visualization of superparamagnetic dynamics in magnetic topological insulators. Science Advances, 2015, 1, e1500740.	10.3	129
20	Probing dynamics and pinning of single vortices in superconductors at nanometer scales. Scientific Reports, 2015, 5, 7598.	3.3	74
21	Three-Junction SQUID-on-Tip with Tunable In-Plane and Out-of-Plane Magnetic Field Sensitivity. Nano Letters, 2014, 14, 6481-6487.	9.1	40
22	Quantum ignition of deflagration in the Fe_8 molecular magnet. Physical Review B, 2014, 90, .	3.2	5
23	A scanning superconducting quantum interference device with single electron spin sensitivity. Nature Nanotechnology, 2013, 8, 639-644.	31.5	326
24	Local electrostatic imaging of striped domain order in $\text{LaAlO}_3/\text{SrTiO}_3$. Nature Materials, 2013, 12, 1112-1118.	27.5	130
25	The effect of uniaxial pressure on the magnetic anisotropy of the Mn_{12} -Ac single-molecule magnet. Europhysics Letters, 2013, 102, 47008.	2.0	3
26	Pre-melting of crossing vortex lattices. Europhysics Letters, 2013, 103, 47007.	2.0	0
27	Geometric-Phase Interference in a M_n Single-Molecule Magnet with Fourfold Rotational Symmetry. Physical Review Letters, 2013, 110, 087205.	7.8	21
28	Two regimes of vortex penetration into platelet-shaped type-II superconductors. Journal of Experimental and Theoretical Physics, 2013, 117, 439-448.	0.9	15
29	Nano-sized SQUID-on-tip for scanning probe microscopy. Journal of Physics: Conference Series, 2012, 400, 052004.	0.4	11
30	Scanning superconducting quantum interference device on a tip for magnetic imaging of nanoscale phenomena. Review of Scientific Instruments, 2012, 83, 073702.	1.3	61
31	Suppression of geometrical barrier in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+\text{I}$ crystals by Josephson vortex stacks. Physical Review B, 2011, 83, .	3.2	8
32	Lamellar Solid-Liquid Mesophase Nucleated by Josephson Vortices at the Melting of the Vortex Lattice in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+\text{I}$ Superconductor. Physical Review Letters, 2011, 107, 247001.	7.8	3
33	Self-Aligned Nanoscale SQUID on a Tip. Nano Letters, 2010, 10, 1046-1049.	9.1	141
34	Experimental evidence for vortex equilibration by an in-plane dc field in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. Physica C: Superconductivity and Its Applications, 2010, 470, S239-S240.	1.2	2
35	Nanomechanics of an individual vortex in a type-II superconductor. Physica C: Superconductivity and Its Applications, 2010, 470, S894-S895.	1.2	2
36	Deforming and moving a vortex by the tip of a magnetic force microscope. Physica C: Superconductivity and Its Applications, 2010, 470, 782-785.	1.2	4

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37	Critical current in type-II superconductors near the order-disorder transition. Physical Review B, 2010, 81, .	3.2	6
38	Tuning magnetic avalanches in the molecular magnet Mn_{12} . Physical Review B, 2009, 79, .	3.2	16
39	Transport properties of vortex matter governed by the edge inductance in superconducting Bi_2 . Physical Review B, 2009, 80, .	3.2	6
40	Magnetic avalanches of minor fast-relaxing species of Mn_{12} . Physical Review B, 2009, 79, .	3.2	19
41	Mott insulator phases and first-order melting in Bi_2 . Physical Review B, 2009, 79, .	3.2	38
42	Experimental determination of the dipolar field in Mn_{12} -acetate. Physical Review B, 2009, 79, .	3.2	23
43	Dynamics of single vortices in grain boundaries: I-V characteristics on the femtovolt scale. Applied Physics Letters, 2009, 94, .	3.3	25
44	Mechanics of individual isolated vortices in a cuprate superconductor. Nature Physics, 2009, 5, 35-39.	16.7	161
45	Nanomechanics of an individual vortex in an anisotropic type-II superconductor. Physical Review B, 2009, 80, .	3.2	6
46	Spatial determination of magnetic avalanche ignition points. Journal of Magnetism and Magnetic Materials, 2008, 320, 695-698.	2.3	7
47	Influence of spatial variations in the lower critical field on the equilibrium field penetration into superconductors. Physical Review B, 2008, 77, .	3.2	8
48	Multiple Changes of Order of the Vortex Melting Transition in Sr_2O_8 with Dilute Columnar Defects. Physical Review Letters, 2008, 101, 157003.	3.4	15
49	Noise characteristics of 100nm scale $GaAs_{1-x}Al_xGa_{1-x}As$ scanning Hall probes. Applied Physics Letters, 2007, 90, 133512.	3.3	18
50	Interplay of Anisotropy and Disorder in the Doping-Dependent Melting and Glass Transitions of Vortices in $Bi_2Sr_2CaCu_2O_{8+\delta}$. Physical Review Letters, 2007, 98, 167004.	7.8	27
51	Effect of quantum tunneling on the ignition and propagation of magnetic avalanches in Mn_{12} -acetate. Physical Review B, 2007, 76, .	3.2	25
52	Spatiotemporal Vortex Matter Oscillations in $Bi_2Sr_2CaCu_2O_{8+\delta}$ Crystals. Physical Review Letters, 2007, 98, 017001.	7.8	8
53	Dynamic and Thermodynamic Properties of Porous Vortex Matter in $Bi_2Sr_2CaCu_2O_8$ in an Oblique Magnetic Field. Physical Review Letters, 2007, 99, 087001.	7.8	17
54	Dynamic Order-to-Metastable-Disorder Vortex Matter Transition in $Bi_2Sr_2CaCu_2O_{8+\delta}$. Physical Review Letters, 2007, 98, 107001.	7.8	12

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55	Superconducting strip with ac current. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1251-1252.	1.2	1
56	Distributed injection of transient vortex states in a prism-shaped Bi ₂ Sr ₂ CaCu ₂ O ₈ + \hat{I} crystal. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1210-1212.	1.2	0
57	Edge Contamination Effects in the Dynamics of Vortex Matter in Superconductors: Memory Effects and Excess Flux-flow Noise. , 2006, , 109-128.		1
58	Melting of heterogeneous vortex matter: The vortex $\hat{\epsilon}$ -nanoliquid $\hat{\epsilon}$ ™. Pramana - Journal of Physics, 2006, 66, 43-54.	1.8	1
59	Photon-induced magnetization changes in single-molecule magnets (invited). Journal of Applied Physics, 2006, 99, 08D103.	2.5	16
60	Self field of ac current reveals voltage-current law in type-II superconductors. Physical Review B, 2006, 74, .	3.2	3
61	Edge Contamination Effects in the Dynamics of Vortex Matter in Superconductors: Memory Effects and Excess Flux-flow Noise. , 2006, , 109-128.		0
62	Non-equilibrium magnetization dynamics in the Fe 8 single-molecule magnet induced by high-intensity microwave radiation. Europhysics Letters, 2005, 71, 110-116.	2.0	21
63	The occurrence of avalanches in a single crystal of Mn ₁₂ -acetate. Journal of Applied Physics, 2005, 97, 10M517.	2.5	3
64	Equilibrium First-Order Melting and Second-Order Glass Transitions of the Vortex Matter in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review Letters, 2005, 95, 257004.	7.8	70
65	Local measurements of magnetization in Mn ₁₂ crystals. Physical Review B, 2005, 72, .	3.2	8
66	Propagation of Avalanches in Mn ₁₂ -Acetate: Magnetic Deflagration. Physical Review Letters, 2005, 95, 147201.	7.8	90
67	Vortex avalanches with robust statistics observed in superconducting niobium. Physical Review B, 2004, 70, .	3.2	50
68	Vortex Nanoliquid in High-Temperature Superconductors. Physical Review Letters, 2004, 93, 097002.	7.8	39
69	Experimental upper bound on superradiance emission from Mn ₁₂ acetate. Physical Review B, 2004, 70, .	3.2	20
70	Amorphous Vortex Phase in Bi ₂ Sr ₂ CaCu ₂ O ₈ After the First Order Liquid-Solid Phase Transition. Journal of Low Temperature Physics, 2004, 135, 139-142.	1.4	1
71	Porous vortex matter. Physica C: Superconductivity and Its Applications, 2004, 408-410, 495-498.	1.2	3
72	Thermally assisted tunneling for a distribution of tunnel splittings in Mn ₁₂ -acetate. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E739-E740.	2.3	0

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73	Tunnel splitting distributions and dipolar shuffling in Mn ₁₂ -acetate. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E719-E720.	2.3	0
74	Experiments in superconducting vortex avalanches. Physica C: Superconductivity and Its Applications, 2004, 408-410, 501-504.	1.2	2
75	Persistence of the intrinsic transition in the vortex matter of disordered BSCCO:2212 crystals. Physica C: Superconductivity and Its Applications, 2004, 408-410, 547-548.	1.2	2
76	Photon-induced magnetization reversal in the Fe ₈ single-molecule magnet. Physical Review B, 2004, 70, .	3.2	31
77	Velocity-fluctuations-dominated flux-flow noise in the peak effect. Europhysics Letters, 2004, 66, 412-418.	2.0	5
78	Mn ₁₂ -acetate: a prototypical single molecule magnet. Solid State Communications, 2003, 127, 131-139.	1.9	32
79	Melting of Porous Vortex Matter. Physical Review Letters, 2003, 90, 087004.	7.8	64
80	First-Order Phase Transition from the Vortex Liquid to an Amorphous Solid. Physical Review Letters, 2003, 90, 147001.	7.8	46
81	More evidence for a distribution of tunnel splittings in Mn ₁₂ -acetate. Journal of Applied Physics, 2003, 93, 7095-7097.	2.5	2
82	Noise in vortex matter. , 2003, , .		9
83	Edge and bulk transport in the mixed state of a type-II superconductor. Physical Review B, 2002, 65, .	3.2	35
84	V _A characteristics in the vicinity of the order-disorder transition in vortex matter. Physical Review B, 2002, 66, .	3.2	30
85	Ground state tunneling due to a distribution of tunnel splittings in Mn ₁₂ -acetate. Journal of Applied Physics, 2002, 91, 7161.	2.5	0
86	Ground-state tunneling in Mn ₁₂ -acetate. Physical Review B, 2002, 65, .	3.2	11
87	FLUX-FLOW NOISE IN THE VICINITY OF THE PEAK EFFECT. Fluctuation and Noise Letters, 2002, 02, L31-L36.	1.5	8
88	Dynamic creation and annihilation of metastable vortex phase as a source of excess noise. Europhysics Letters, 2002, 58, 112-118.	2.0	28
89	Order-disorder phase transition in NbSe ₂ : Absence of amorphous vortex matter. Physical Review B, 2002, 66, .	3.2	51
90	Out-of-plane stray field at magnetization reversal in epitaxial magnetite thin films. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 1097-1099.	2.3	11

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91	Investigating the vortex melting phenomenon in BSCCO crystals using magneto-optical imaging technique. <i>Pramana - Journal of Physics</i> , 2002, 58, 893-898.	1.8	0
92	First-order disorder-driven transition and inverse melting of the vortex lattice. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 369, 36-44.	1.2	8
93	Abrupt crossover between thermally activated relaxation and quantum tunneling in a molecular magnet. <i>Europhysics Letters</i> , 2001, 55, 874-879.	2.0	16
94	'Inverse' melting of a vortex lattice. <i>Nature</i> , 2001, 411, 451-454.	27.8	262
95	Magnetic noise measurements using cross-correlated Hall sensor arrays. <i>Applied Physics Letters</i> , 2001, 78, 359-361.	3.3	8
96	Flux pinning mechanisms in ErNi ₂ B ₂ C. <i>Physical Review B</i> , 2001, 64, .	3.2	19
97	Transition between thermally assisted relaxation and quantum tunneling in a molecular magnet. <i>Journal of Applied Physics</i> , 2001, 89, 6802-6804.	2.5	0
98	Distribution of Tunnel Splittings in Mn ₁₂ Acetate. <i>Physical Review Letters</i> , 2001, 87, 227205.	7.8	73
99	Temperature Variations of the Disorder-Induced Vortex-Lattice-Melting Landscape. <i>Physical Review Letters</i> , 2001, 87, 167001.	7.8	26
100	Vortex Pinning and Dynamics in Magnetic and Non- Magnetic (RE)Ni ₂ B ₂ C Superconductors. , 2001, , 347-356.		0
101	Nonlinear microwave response to magnetic modulation in BSCCO. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 937-938.	2.7	0
102	Current-induced decoupling of vortices in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica B: Condensed Matter</i> , 2000, 284-288, 685-686.	2.7	3
103	Current-enhanced anisotropy of Bi ₂ Sr ₂ CaCu ₂ O ₈ in the mixed state. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 985-986.	1.2	0
104	Magnetization decay due to vortex phase boundary motion in BSCCO. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1317-1318.	1.2	15
105	Melting of regular and decoupled vortex lattices in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1213-1214.	1.2	12
106	Local studies of vortex instabilities and memory effects in NbSe ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1221-1222.	1.2	0
107	Dynamic studies of vortices in NbSe ₂ , from single flux lines to lattices. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 332, 160-165.	1.2	0
108	Flux pinning, surface and geometrical barriers in YNi ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 332, 173-177.	1.2	15

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109	Magnetic relaxation in the vicinity of second magnetization peak in BSCCO crystals. Physica C: Superconductivity and Its Applications, 2000, 332, 219-224.	1.2	15
110	Dynamic instabilities and memory effects in vortex matter. Nature, 2000, 403, 398-401.	27.8	236
111	Imaging the vortex-lattice melting process in the presence of disorder. Nature, 2000, 406, 282-287.	27.8	212
112	Vortex pinning by magnetic order in ErNi ₂ B ₂ C. Physical Review B, 2000, 63, .	3.2	12
113	Shear-induced vortex decoupling in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals. Physical Review B, 2000, 61, R9261-R9264.	3.2	12
114	Instabilities and Disorder-Driven First-Order Transition of the Vortex Lattice. Physical Review Letters, 2000, 85, 3712-3715.	7.8	237
115	Effect of surface barriers on transport properties of Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals using the Corbino disc configuration. Superconductor Science and Technology, 1999, 12, 1067-1070.	3.5	3
116	Vortex avalanches in Nb thin films: Global and local magnetization measurements. Physical Review B, 1999, 60, 12454-12461.	3.2	40
117	Interaction between Magnetic Order and the Vortex Lattice in HoNi ₂ B ₂ C. Physical Review Letters, 1999, 82, 827-830.	7.8	36
118	Hall-array gradiometer for measurement of the magnetic induction vector in superconductors. Journal of Applied Physics, 1999, 85, 5471-5473.	2.5	5
119	Bulk transport properties of Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals in the Corbino disk geometry. Physical Review B, 1999, 60, R757-R760.	3.2	29
120	Temperature dependence of the lower critical field of high-T _c superconducting crystals near T _c . Physical Review B, 1999, 60, 4370-4377.	3.2	9
121	Observation of mesoscopic vortex physics using micromechanical oscillators. Nature, 1999, 399, 43-46.	27.8	100
122	Flux Pinning in (Re)Ni ₂ B ₂ C Superconductors. , 1999, , 265-280.		0
123	Experimental Evaluation of the Role of Geometrical and Surface Barriers in BSCCO-2212 Crystals. , 1999, , 239-264.		0
124	Transport properties governed by surface barriers in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Nature, 1998, 391, 373-376.	27.8	126
125	Lindemann criterion and vortex-matter phase transitions in high-temperature superconductors. Physica C: Superconductivity and Its Applications, 1998, 295, 209-217.	1.2	197
126	The effect of sample shape on the magnetisation in Bi ₂ Sr ₂ CaCu ₂ O ₈ +f' crystals. Physica C: Superconductivity and Its Applications, 1998, 308, 123-131.	1.2	14

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127	Surface barrier dominated transport in NbSe ₂ . Physical Review B, 1998, 58, R14763-R14766.	3.2	45
128	Role of sample geometry on nonlinear transport properties of the vortex solid in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1998, 58, 135-138.	3.2	16
129	Effect of columnar defects on the vortex-solid melting transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1998, 57, R14088-R14091.	3.2	30
130	Measurement of the magnetic induction vector in superconductors using a double-layer Hall sensor array. Applied Physics Letters, 1998, 72, 2891-2893.	3.3	7
131	Transport Properties of Bi ₂ Sr ₂ CaCu ₂ O ₈ Crystals with and without Surface Barriers. Physical Review Letters, 1998, 81, 3944-3947.	7.8	45
132	Possible New Vortex Matter Phases in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review Letters, 1998, 80, 4971-4974.	7.8	152
133	Vortex-matter phase transitions in Bi ₂ Sr ₂ CaCu ₂ O ₈ : Effects of weak disorder. Physical Review B, 1997, 56, R517-R520.	3.2	137
134	Angular dependence of the first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1997, 55, R8705-R8708.	3.2	41
135	Disorder-Induced Transition to Entangled Vortex Solid in Nd-Ce-Cu-O Crystal. Physical Review Letters, 1997, 79, 2542-2545.	7.8	144
136	Resistive evidence for vortex-lattice sublimation in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1997, 55, R6156-R6160.	3.2	54
137	Abulafia et al. Reply. Physical Review Letters, 1997, 79, 3796-3796.	7.8	3
138	Investigation of flux creep in high-T _c superconductors using Hall-sensor array. Journal of Applied Physics, 1997, 81, 4944-4946.	2.5	12
139	Measurement of the stray field emanating from magnetic force microscope tips by Hall effect microsensors. Journal of Applied Physics, 1997, 82, 3182-3191.	2.5	74
140	Sublimation and hysteretic transition of the vortex-lattice in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physica C: Superconductivity and Its Applications, 1997, 282-287, 2023-2024.	1.2	3
141	Effects of correlated disorder on vortex-lattice melting in BSCCO. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2067-2068.	1.2	2
142	Local magnetic measurement of strong pinning by columnar defects. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2189-2190.	1.2	1
143	Geometrical and distributed surface barriers in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physica C: Superconductivity and Its Applications, 1997, 291, 113-131.	1.2	50
144	Local magnetic relaxation close to the second peak in BSCCO crystals. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2259-2260.	1.2	7

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145	Hall-array measurements of flux creep parameters in Y-Ba-Cu-O crystals. <i>Journal of Low Temperature Physics</i> , 1997, 107, 455-465.	1.4	6
146	Vortex matter phase transitions in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 323-326.	1.2	7
147	Angular dependence of the first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 2045-2046.	1.2	0
148	Local magnetic relaxation in Nd _{1.85} Ce _{0.15} CuO ₄ crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 2209-2210.	1.2	1
149	Plastic Vortex Creep in YBa ₂ Cu ₃ O _{7-x} Crystals. <i>Physical Review Letters</i> , 1996, 77, 1596-1599.	7.8	296
150	Vortex-Lattice Phase Transitions in Bi ₂ Sr ₂ CaCu ₂ O ₈ Crystals with Different Oxygen Stoichiometry. <i>Physical Review Letters</i> , 1996, 76, 2555-2558.	7.8	394
151	Phase diagram of Bi ₂ Sr ₂ CaCu ₂ O ₈ in the mixed state: effects of anisotropy and disorder. <i>European Physical Journal D</i> , 1996, 46, 3218-3224.	0.4	8
152	Local ac magnetic response in Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals. <i>European Physical Journal D</i> , 1996, 46, 1543-1544.	0.4	2
153	The effect of anisotropy on the phase diagram of Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>European Physical Journal D</i> , 1996, 46, 1563-1564.	0.4	1
154	Resistivity onset at the first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>European Physical Journal D</i> , 1996, 46, 1583-1584.	0.4	2
155	Global ac susceptibility of low pinning high-T _c crystals near T _c . <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 101, 561-564.	1.1	9
156	Negative Local Permeability in Bi ₂ Sr ₂ CaCu ₂ O ₈ Crystals. <i>Physical Review Letters</i> , 1996, 76, 138-141.	7.8	49
157	Simultaneous resistivity onset and first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1996, 54, R796-R799.	3.2	58
158	Paramagnetic ac susceptibility at the first-order vortex-lattice phase transition. <i>Physical Review B</i> , 1996, 54, R3784-R3787.	3.2	55
159	Flux Lattice Melting and Dimensional Crossover in Bi-2212 Single Crystals. <i>Journal De Physique</i> , I, 1996, 6, 2327-2354.	1.2	16
160	Thermodynamic observation of first-order vortex-lattice melting transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Nature</i> , 1995, 375, 373-376.	27.8	745
161	Local time-dependent magnetization of superconducting films in the presence of a transport current. <i>Physical Review B</i> , 1995, 51, 9111-9117.	3.2	14
162	Separation of the Irreversibility and Melting Lines in Bi ₂ Sr ₂ CaCu ₂ O ₈ Crystals. <i>Physical Review Letters</i> , 1995, 75, 1166-1169.	7.8	156

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163	Local Magnetic Relaxation in High-Temperature Superconductors. Physical Review Letters, 1995, 75, 2404-2407.	7.8	99
164	Nature of the Irreversibility Line in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Europhysics Letters, 1995, 30, 367-372.	2.0	145
165	Flux profiles in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals containing columnar defects. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2965-2966.	1.2	4
166	Anomalous magnetic field dependence of the critical current density in polycrystalline YBa ₂ Cu ₃ O ₇ . Physica C: Superconductivity and Its Applications, 1994, 235-240, 3091-3092.	1.2	0
167	The penetration length λ , the bulk critical field H_{c1} , and the geometrical barrier in Tl ₂ Ba ₂ CaCu ₂ O ₈ single crystals. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1805-1806.	1.2	0
168	Vortex dynamics in a ring-like irradiated Bi ₂ Sr ₂ CaCu ₂ O ₈ crystal. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2757-2758.	1.2	14
169	Geometrical barriers in type II superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2761-2762.	1.2	35
170	Surface currents and bulk pinning in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physica C: Superconductivity and Its Applications, 1994, 235-240, 2765-2766.	1.2	20
171	Magnetization and transport currents in thin superconducting films. Physical Review B, 1994, 49, 9802-9822.	3.2	574
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