

Eli Zeldov

List of Publications by Year in descending order

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papers

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196
docs citations

196
times ranked

5315
citing authors

#	ARTICLE	IF	CITATIONS
1	Chern mosaic and Berry-curvature magnetism in magic-angle graphene. Nature Physics, 2022, 18, 885-892.	6.5	37
2	Direct observation of vortices in an electron fluid. Nature, 2022, 607, 74-80.	13.7	33
3	Long-range nontopological edge currents in charge-neutral graphene. Nature, 2021, 593, 528-534.	13.7	44
4	Nanoscale imaging of equilibrium quantum Hall edge currents and of the magnetic monopole response in graphene. Nature Physics, 2020, 16, 164-170.	6.5	54
5	Mapping the twist-angle disorder and Landau levels in magic-angle graphene. Nature, 2020, 581, 47-52.	13.7	241
6	SQUID-on-tip with single-electron spin sensitivity for high-field and ultra-low temperature nanomagnetic imaging. Nanoscale, 2020, 12, 3174-3182.	2.8	42
7	Sputtered Mo ₆₆ Re ₃₄ SQUID-on-Tip for High-Field Magnetic and Thermal Nanoimaging. Physical Review Applied, 2019, 12, .	1.5	20
8	Imaging work and dissipation in the quantum Hall state in graphene. Nature, 2019, 575, 628-633.	13.7	50
9	Resonant electron-lattice cooling in graphene. Physical Review B, 2018, 97, .	1.1	21
10	Imaging of super-fast dynamics and flow instabilities of superconducting vortices. Nature Communications, 2017, 8, 85.	5.8	149
11	Imaging resonant dissipation from individual atomic defects in graphene. Science, 2017, 358, 1303-1306.	6.0	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, .	1.1	7
13	Observation of superparamagnetism in coexistence with quantum anomalous Hall $\nu = \pm 1$ and $\nu = 0$ Chern states. Npj Quantum Materials, 2017, 2, .	1.8	23
14	Direct Reconstruction of Two-Dimensional Currents in Thin Films from Magnetic-Field Measurements. Physical Review Applied, 2017, 8, .	1.5	19
15	Electrically Tunable Multiterminal SQUID-on-Tip. Nano Letters, 2016, 16, 6910-6915.	4.5	18
16	Nanoscale thermal imaging of dissipation in quantum systems. Nature, 2016, 539, 407-410.	13.7	149
17	Emergent nanoscale superparamagnetism at oxide interfaces. Nature Communications, 2016, 7, 12566.	5.8	51
18	Multi-terminal multi-junction dc SQUID for nanoscale magnetometry. Superconductor Science and Technology, 2016, 29, 114001.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Visualization of superparamagnetic dynamics in magnetic topological insulators. <i>Science Advances</i> , 2015, 1, e1500740.	4.7	129
20	Probing dynamics and pinning of single vortices in superconductors at nanometer scales. <i>Scientific Reports</i> , 2015, 5, 7598.	1.6	74
21	Three-Junction SQUID-on-Tip with Tunable In-Plane and Out-of-Plane Magnetic Field Sensitivity. <i>Nano Letters</i> , 2014, 14, 6481-6487.	4.5	40
22	Quantum ignition of deflagration in the Fe_8 molecular magnet. <i>Physical Review B</i> , 2014, 90, .	1.1	5
23	A scanning superconducting quantum interference device with single electron spin sensitivity. <i>Nature Nanotechnology</i> , 2013, 8, 639-644.	15.6	326
24	Local electrostatic imaging of striped domain order in $\text{LaAlO}_3/\text{SrTiO}_3$. <i>Nature Materials</i> , 2013, 12, 1112-1118.	13.3	130
25	The effect of uniaxial pressure on the magnetic anisotropy of the Mn_{12} -Ac single-molecule magnet. <i>Europhysics Letters</i> , 2013, 102, 47008.	0.7	3
26	Pre-melting of crossing vortex lattices. <i>Europhysics Letters</i> , 2013, 103, 47007.	0.7	0
27	Geometric-Phase Interference in a M_n Single-Molecule Magnet with Fourfold Rotational Symmetry. <i>Physical Review Letters</i> , 2013, 110, 087205.	2.9	21
28	Two regimes of vortex penetration into platelet-shaped type-II superconductors. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 439-448.	0.2	15
29	Nano-sized SQUID-on-tip for scanning probe microscopy. <i>Journal of Physics: Conference Series</i> , 2012, 400, 052004.	0.3	11
30	Scanning superconducting quantum interference device on a tip for magnetic imaging of nanoscale phenomena. <i>Review of Scientific Instruments</i> , 2012, 83, 073702.	0.6	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. <i>Physical Review B</i> , 2011, 83, .	1.1	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. <i>Physical Review Letters</i> , 2011, 107, 247001.	2.9	3
33	Self-Aligned Nanoscale SQUID on a Tip. <i>Nano Letters</i> , 2010, 10, 1046-1049.	4.5	141
34	Experimental evidence for vortex equilibration by an in-plane dc field in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S239-S240.	0.6	2
35	Nanomechanics of an individual vortex in a type-II superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S894-S895.	0.6	2
36	Deforming and moving a vortex by the tip of a magnetic force microscope. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 782-785.	0.6	4

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37	Critical current in type-II superconductors near the order-disorder transition. Physical Review B, 2010, 81, .	1.1	6
38	Tuning magnetic avalanches in the molecular magnet Mn_{12} . Physical Review B, 2009, 79, .	1.1	16
39	Transport properties of vortex matter governed by the edge inductance in superconducting Bi_2 . Physical Review B, 2009, 80, .	1.1	6
40	Magnetic avalanches of minor fast-relaxing species of Mn_{12} . Physical Review B, 2009, 79, .	1.1	19
41	Mott insulator phases and first-order melting in Bi_2 . Physical Review B, 2009, 79, .	1.1	38
42	Experimental determination of the dipolar field in Mn_{12} -acetate. Physical Review B, 2009, 79, .	1.1	23
43	Dynamics of single vortices in grain boundaries: I-V characteristics on the femtovolt scale. Applied Physics Letters, 2009, 94, .	1.5	25
44	Mechanics of individual isolated vortices in a cuprate superconductor. Nature Physics, 2009, 5, 35-39.	6.5	161
45	Nanomechanics of an individual vortex in an anisotropic type-II superconductor. Physical Review B, 2009, 80, .	1.1	6
46	Spatial determination of magnetic avalanche ignition points. Journal of Magnetism and Magnetic Materials, 2008, 320, 695-698.	1.0	7
47	Influence of spatial variations in the lower critical field on the equilibrium field penetration into superconductors. Physical Review B, 2008, 77, .	1.1	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.	2.9	15
49	Noise characteristics of 100nm scale $GaAs_{1-x}Al_xGa_{1-x}As$ scanning Hall probes. Applied Physics Letters, 2007, 90, 133512.	1.5	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.	2.9	27
51	Effect of quantum tunneling on the ignition and propagation of magnetic avalanches in Mn_{12} -acetate. Physical Review B, 2007, 76, .	1.1	25
52	Spatiotemporal Vortex Matter Oscillations in $Bi_2Sr_2CaCu_2O_{8+\delta}$ Crystals. Physical Review Letters, 2007, 98, 017001.	2.9	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.	2.9	17
54	Dynamic Order-to-Metastable-Disorder Vortex Matter Transition in $Bi_2Sr_2CaCu_2O_{8+\delta}$. Physical Review Letters, 2007, 98, 107001.	2.9	12

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55	Superconducting strip with ac current. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1251-1252.	0.6	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.	0.6	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.	0.9	1
59	Photon-induced magnetization changes in single-molecule magnets (invited). Journal of Applied Physics, 2006, 99, 08D103.	1.1	16
60	Self field of ac current reveals voltage-current law in type-II superconductors. Physical Review B, 2006, 74, .	1.1	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.	0.7	21
63	The occurrence of avalanches in a single crystal of Mn ₁₂ -acetate. Journal of Applied Physics, 2005, 97, 10M517.	1.1	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.	2.9	70
65	Local measurements of magnetization in Mn ₁₂ crystals. Physical Review B, 2005, 72, .	1.1	8
66	Propagation of Avalanches in Mn ₁₂ -Acetate: Magnetic Deflagration. Physical Review Letters, 2005, 95, 147201.	2.9	90
67	Vortex avalanches with robust statistics observed in superconducting niobium. Physical Review B, 2004, 70, .	1.1	50
68	Vortex Nanoliquid in High-Temperature Superconductors. Physical Review Letters, 2004, 93, 097002.	2.9	39
69	Experimental upper bound on superradiance emission from Mn ₁₂ acetate. Physical Review B, 2004, 70, .	1.1	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.	0.6	1
71	Porous vortex matter. Physica C: Superconductivity and Its Applications, 2004, 408-410, 495-498.	0.6	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.	1.0	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.	1.0	0
74	Experiments in superconducting vortex avalanches. Physica C: Superconductivity and Its Applications, 2004, 408-410, 501-504.	0.6	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.	0.6	2
76	Photon-induced magnetization reversal in the Fe ₈ single-molecule magnet. Physical Review B, 2004, 70, .	1.1	31
77	Velocity-fluctuations-dominated flux-flow noise in the peak effect. Europhysics Letters, 2004, 66, 412-418.	0.7	5
78	Mn ₁₂ -acetate: a prototypical single molecule magnet. Solid State Communications, 2003, 127, 131-139.	0.9	32
79	Melting of Porous Vortex Matter. Physical Review Letters, 2003, 90, 087004.	2.9	64
80	First-Order Phase Transition from the Vortex Liquid to an Amorphous Solid. Physical Review Letters, 2003, 90, 147001.	2.9	46
81	More evidence for a distribution of tunnel splittings in Mn ₁₂ -acetate. Journal of Applied Physics, 2003, 93, 7095-7097.	1.1	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, .	1.1	35
84	V _A characteristics in the vicinity of the order-disorder transition in vortex matter. Physical Review B, 2002, 66, .	1.1	30
85	Ground state tunneling due to a distribution of tunnel splittings in Mn ₁₂ -acetate. Journal of Applied Physics, 2002, 91, 7161.	1.1	0
86	Ground-state tunneling in Mn ₁₂ -acetate. Physical Review B, 2002, 65, .	1.1	11
87	FLUX-FLOW NOISE IN THE VICINITY OF THE PEAK EFFECT. Fluctuation and Noise Letters, 2002, 02, L31-L36.	1.0	8
88	Dynamic creation and annihilation of metastable vortex phase as a source of excess noise. Europhysics Letters, 2002, 58, 112-118.	0.7	28
89	Order-disorder phase transition in NbSe ₂ : Absence of amorphous vortex matter. Physical Review B, 2002, 66, .	1.1	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.	1.0	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.	0.9	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.	0.6	8
93	Abrupt crossover between thermally activated relaxation and quantum tunneling in a molecular magnet. <i>Europhysics Letters</i> , 2001, 55, 874-879.	0.7	16
94	'Inverse' melting of a vortex lattice. <i>Nature</i> , 2001, 411, 451-454.	13.7	262
95	Magnetic noise measurements using cross-correlated Hall sensor arrays. <i>Applied Physics Letters</i> , 2001, 78, 359-361.	1.5	8
96	Flux pinning mechanisms in ErNi ₂ B ₂ C. <i>Physical Review B</i> , 2001, 64, .	1.1	19
97	Transition between thermally assisted relaxation and quantum tunneling in a molecular magnet. <i>Journal of Applied Physics</i> , 2001, 89, 6802-6804.	1.1	0
98	Distribution of Tunnel Splittings in Mn ₁₂ Acetate. <i>Physical Review Letters</i> , 2001, 87, 227205.	2.9	73
99	Temperature Variations of the Disorder-Induced Vortex-Lattice-Melting Landscape. <i>Physical Review Letters</i> , 2001, 87, 167001.	2.9	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.	1.3	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.	1.3	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.	0.6	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.	0.6	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.	0.6	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.	0.6	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.	0.6	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.	0.6	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.	0.6	15
110	Dynamic instabilities and memory effects in vortex matter. Nature, 2000, 403, 398-401.	13.7	236
111	Imaging the vortex-lattice melting process in the presence of disorder. Nature, 2000, 406, 282-287.	13.7	212
112	Vortex pinning by magnetic order in ErNi ₂ B ₂ C. Physical Review B, 2000, 63, .	1.1	12
113	Shear-induced vortex decoupling in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals. Physical Review B, 2000, 61, R9261-R9264.	1.1	12
114	Instabilities and Disorder-Driven First-Order Transition of the Vortex Lattice. Physical Review Letters, 2000, 85, 3712-3715.	2.9	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.	1.8	3
116	Vortex avalanches in Nb thin films: Global and local magnetization measurements. Physical Review B, 1999, 60, 12454-12461.	1.1	40
117	Interaction between Magnetic Order and the Vortex Lattice in HoNi ₂ B ₂ C. Physical Review Letters, 1999, 82, 827-830.	2.9	36
118	Hall-array gradiometer for measurement of the magnetic induction vector in superconductors. Journal of Applied Physics, 1999, 85, 5471-5473.	1.1	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.	1.1	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.	1.1	9
121	Observation of mesoscopic vortex physics using micromechanical oscillators. Nature, 1999, 399, 43-46.	13.7	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.	13.7	126
125	Lindemann criterion and vortex-matter phase transitions in high-temperature superconductors. Physica C: Superconductivity and Its Applications, 1998, 295, 209-217.	0.6	197
126	The effect of sample shape on the magnetisation in Bi ₂ Sr ₂ CaCu ₂ O ₈ + <i>f</i> ' crystals. Physica C: Superconductivity and Its Applications, 1998, 308, 123-131.	0.6	14

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127	Surface barrier dominated transport inNbSe ₂ . Physical Review B, 1998, 58, R14763-R14766.	1.1	45
128	Role of sample geometry on nonlinear transport properties of the vortex solid inBi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1998, 58, 135-138.	1.1	16
129	Effect of columnar defects on the vortex-solid melting transition inBi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1998, 57, R14088-R14091.	1.1	30
130	Measurement of the magnetic induction vector in superconductors using a double-layer Hall sensor array. Applied Physics Letters, 1998, 72, 2891-2893.	1.5	7
131	Transport Properties ofBi ₂ Sr ₂ CaCu ₂ O ₈ Crystals with and without Surface Barriers. Physical Review Letters, 1998, 81, 3944-3947.	2.9	45
132	Possible New Vortex Matter Phases inBi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review Letters, 1998, 80, 4971-4974.	2.9	152
133	Vortex-matter phase transitions inBi ₂ Sr ₂ CaCu ₂ O ₈ :Effects of weak disorder. Physical Review B, 1997, 56, R517-R520.	1.1	137
134	Angular dependence of the first-order vortex-lattice phase transition inBi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1997, 55, R8705-R8708.	1.1	41
135	Disorder-Induced Transition to Entangled Vortex Solid in Nd-Ce-Cu-O Crystal. Physical Review Letters, 1997, 79, 2542-2545.	2.9	144
136	Resistive evidence for vortex-lattice sublimation inBi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1997, 55, R6156-R6160.	1.1	54
137	Abulafiaet al.Reply:. Physical Review Letters, 1997, 79, 3796-3796.	2.9	3
138	Investigation of flux creep in high-T _c superconductors using Hall-sensor array. Journal of Applied Physics, 1997, 81, 4944-4946.	1.1	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.	1.1	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.	0.6	3
141	Effects of correlated disorder on vortex-lattice melting in BSCCO. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2067-2068.	0.6	2
142	Local magnetic measurement of strong pinning by columnar defects. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2189-2190.	0.6	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.	0.6	50
144	Local magnetic relaxation close to the second peak in BSCCO crystals. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2259-2260.	0.6	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.	0.6	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.	0.6	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.	0.6	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.	0.6	1
149	Plastic Vortex Creep in YBa ₂ Cu ₃ O _{7-x} Crystals. <i>Physical Review Letters</i> , 1996, 77, 1596-1599.	2.9	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.	2.9	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.	2.9	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.	1.1	58
158	Paramagnetic ac susceptibility at the first-order vortex-lattice phase transition. <i>Physical Review B</i> , 1996, 54, R3784-R3787.	1.1	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.	18.7	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.	1.1	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.	2.9	156

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163	Local Magnetic Relaxation in High-Temperature Superconductors. Physical Review Letters, 1995, 75, 2404-2407.	2.9	99
164	Nature of the Irreversibility Line in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Europhysics Letters, 1995, 30, 367-372.	0.7	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.	0.6	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.	0.6	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.	0.6	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.	0.6	14
169	Geometrical barriers in type II superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2761-2762.	0.6	35
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