

Eli Zeldov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6319631/publications.pdf>

Version: 2024-02-01

195
papers

10,449
citations

41344

49
h-index

32842

100
g-index

196
all docs

196
docs citations

196
times ranked

4821
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic observation of first-order vortex-lattice melting transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Nature, 1995, 375, 373-376.	27.8	745
2	Magnetization and transport currents in thin superconducting films. Physical Review B, 1994, 49, 9802-9822.	3.2	574
3	Geometrical Barriers in High-Temperature Superconductors. Physical Review Letters, 1994, 73, 1428-1431.	7.8	567
4	Flux creep characteristics in high-temperature superconductors. Applied Physics Letters, 1990, 56, 680-682.	3.3	401
5	Vortex-Lattice Phase Transitions in Bi ₂ Sr ₂ CaCu ₂ O ₈ Crystals with Different Oxygen Stoichiometry. Physical Review Letters, 1996, 76, 2555-2558.	7.8	394
6	A scanning superconducting quantum interference device with single electron spin sensitivity. Nature Nanotechnology, 2013, 8, 639-644.	31.5	326
7	Plastic Vortex Creep in YBa ₂ Cu ₃ O _{7-x} Crystals. Physical Review Letters, 1996, 77, 1596-1599.	7.8	296
8	Optical and electrical enhancement of flux creep in YBa ₂ Cu ₃ O _{7-x} epitaxial films. Physical Review Letters, 1989, 62, 3093-3096.	7.8	292
9	'Inverse' melting of a vortex lattice. Nature, 2001, 411, 451-454.	27.8	262
10	Mapping the twist-angle disorder and Landau levels in magic-angle graphene. Nature, 2020, 581, 47-52.	27.8	241
11	Instabilities and Disorder-Driven First-Order Transition of the Vortex Lattice. Physical Review Letters, 2000, 85, 3712-3715.	7.8	237
12	Dynamic instabilities and memory effects in vortex matter. Nature, 2000, 403, 398-401.	27.8	236
13	Imaging the vortex-lattice melting process in the presence of disorder. Nature, 2000, 406, 282-287.	27.8	212
14	Lindemann criterion and vortex-matter phase transitions in high-temperature superconductors. Physica C: Superconductivity and Its Applications, 1998, 295, 209-217.	1.2	197
15	Steady-state photocarrier grating technique for diffusion length measurement in photoconductive insulators. Applied Physics Letters, 1986, 49, 791-793.	3.3	175
16	Mechanics of individual isolated vortices in a cuprate superconductor. Nature Physics, 2009, 5, 35-39.	16.7	161
17	Steady-state photocarrier grating technique for diffusion length measurement in semiconductors: Theory and experimental results for amorphous silicon and semi-insulating GaAs. Journal of Applied Physics, 1987, 62, 4563-4570.	2.5	157
18	Separation of the Irreversibility and Melting Lines in Bi ₂ Sr ₂ CaCu ₂ O ₈ Crystals. Physical Review Letters, 1995, 75, 1166-1169.	7.8	156

#	ARTICLE	IF	CITATIONS
19	Possible New Vortex Matter Phases in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Physical Review Letters</i> , 1998, 80, 4971-4974.	7.8	152
20	Nanoscale thermal imaging of dissipation in quantum systems. <i>Nature</i> , 2016, 539, 407-410.	27.8	149
21	Imaging of super-fast dynamics and flow instabilities of superconducting vortices. <i>Nature Communications</i> , 2017, 8, 85.	12.8	149
22	Nature of the Irreversibility Line in $\text{Bi}_{2-x}\text{Sr}_x\text{CaCu}_2\text{O}_{8-y}$. <i>Europhysics Letters</i> , 1995, 30, 367-372.	2.0	145
23	Disorder-Induced Transition to Entangled Vortex Solid in Nd-Ce-Cu-O Crystal. <i>Physical Review Letters</i> , 1997, 79, 2542-2545.	7.8	144
24	Self-Aligned Nanoscale SQUID on a Tip. <i>Nano Letters</i> , 2010, 10, 1046-1049.	9.1	141
25	Vortex-matter phase transitions in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$: Effects of weak disorder. <i>Physical Review B</i> , 1997, 56, R517-R520.	3.2	137
26	Local electrostatic imaging of striped domain order in $\text{LaAlO}_3/\text{SrTiO}_3$. <i>Nature Materials</i> , 2013, 12, 1112-1118.	27.5	130
27	Visualization of superparamagnetic dynamics in magnetic topological insulators. <i>Science Advances</i> , 2015, 1, e1500740.	10.3	129
28	Transport properties governed by surface barriers in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Nature</i> , 1998, 391, 373-376.	27.8	126
29	Ambipolar transport in amorphous semiconductors in the lifetime and relaxation-time regimes investigated by the steady-state photocarrier grating technique. <i>Physical Review B</i> , 1988, 38, 8296-8304.	3.2	116
30	Flux creep in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ epitaxial films. <i>Applied Physics Letters</i> , 1990, 56, 1700-1702.	3.3	105
31	Observation of mesoscopic vortex physics using micromechanical oscillators. <i>Nature</i> , 1999, 399, 43-46.	27.8	100
32	Local Magnetic Relaxation in High-Temperature Superconductors. <i>Physical Review Letters</i> , 1995, 75, 2404-2407.	7.8	99
33	Propagation of Avalanches in Mn^{12} -Acetate: Magnetic Deflagration. <i>Physical Review Letters</i> , 2005, 95, 147201.	7.8	90
34	Nonbolometric optical response of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ epitaxial films. <i>Physical Review B</i> , 1989, 39, 9712-9714.	3.2	83
35	Measurement of the stray field emanating from magnetic force microscope tips by Hall effect microsensors. <i>Journal of Applied Physics</i> , 1997, 82, 3182-3191.	2.5	74
36	Probing dynamics and pinning of single vortices in superconductors at nanometer scales. <i>Scientific Reports</i> , 2015, 5, 7598.	3.3	74

#	ARTICLE	IF	CITATIONS
37	Distribution of Tunnel Splittings in Mn ₁₂ Acetate. Physical Review Letters, 2001, 87, 227205.	7.8	73
38	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
39	Imaging resonant dissipation from individual atomic defects in graphene. Science, 2017, 358, 1303-1306.	12.6	66
40	Melting of Pore Vortex Matter. Physical Review Letters, 2003, 90, 087004.	7.8	64
41	Scanning superconducting quantum interference device on a tip for magnetic imaging of nanoscale phenomena. Review of Scientific Instruments, 2012, 83, 073702.	1.3	61
42	Simultaneous resistivity onset and first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1996, 54, R796-R799.	3.2	58
43	Paramagnetic ac susceptibility at the first-order vortex-lattice phase transition. Physical Review B, 1996, 54, R3784-R3787.	3.2	55
44	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
45	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
46	Order-disorder phase transition in NbSe ₂ : Absence of amorphous vortex matter. Physical Review B, 2002, 66, .	3.2	51
47	Emergent nanoscale superparamagnetism at oxide interfaces. Nature Communications, 2016, 7, 12566.	12.8	51
48	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
49	Vortex avalanches with robust statistics observed in superconducting niobium. Physical Review B, 2004, 70, .	3.2	50
50	Imaging work and dissipation in the quantum Hall state in graphene. Nature, 2019, 575, 628-633.	27.8	50
51	Negative Local Permeability in Bi ₂ Sr ₂ CaCu ₂ O ₈ Crystals. Physical Review Letters, 1996, 76, 138-141.	7.8	49
52	First-Order Phase Transition from the Vortex Liquid to an Amorphous Solid. Physical Review Letters, 2003, 90, 147001.	7.8	46
53	Surface barrier dominated transport in NbSe ₂ . Physical Review B, 1998, 58, R14763-R14766.	3.2	45
54	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

#	ARTICLE	IF	CITATIONS
55	Long-range nontopological edge currents in charge-neutral graphene. <i>Nature</i> , 2021, 593, 528-534.	27.8	44
56	SQUID-on-tip with single-electron spin sensitivity for high-field and ultra-low temperature nanomagnetic imaging. <i>Nanoscale</i> , 2020, 12, 3174-3182.	5.6	42
57	Temperature-dependent morphologies of gold surfaces. <i>Surface Science</i> , 1992, 272, 10-16.	1.9	41
58	Angular dependence of the first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1997, 55, R8705-R8708.	3.2	41
59	Vortex avalanches in Nb thin films: Global and local magnetization measurements. <i>Physical Review B</i> , 1999, 60, 12454-12461.	3.2	40
60	Three-Junction SQUID-on-Tip with Tunable In-Plane and Out-of-Plane Magnetic Field Sensitivity. <i>Nano Letters</i> , 2014, 14, 6481-6487.	9.1	40
61	Vortex Nanoliquid in High-Temperature Superconductors. <i>Physical Review Letters</i> , 2004, 93, 097002.	7.8	39
62	Mott insulator phases and first-order melting in $Bi_{1-x}Sb_x$. <i>Physical Review B</i> , 2009, 79, .	3.2	38
63	Chern mosaic and Berry-curvature magnetism in magic-angle graphene. <i>Nature Physics</i> , 2022, 18, 885-892.	16.7	37
64	Interaction between Magnetic Order and the Vortex Lattice in HoNi ₂ B ₂ C. <i>Physical Review Letters</i> , 1999, 82, 827-830.	7.8	36
65	Geometrical barriers in type II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 2761-2762.	1.2	35
66	Edge and bulk transport in the mixed state of a type-II superconductor. <i>Physical Review B</i> , 2002, 65, .	3.2	35
67	Direct observation of vortices in an electron fluid. <i>Nature</i> , 2022, 607, 74-80.	27.8	33
68	Mn ₁₂ -acetate: a prototypical single molecule magnet. <i>Solid State Communications</i> , 2003, 127, 131-139.	1.9	32
69	Photon-induced magnetization reversal in the Fe ₈ single-molecule magnet. <i>Physical Review B</i> , 2004, 70, .	3.2	31
70	Effect of columnar defects on the vortex-solid melting transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1998, 57, R14088-R14091.	3.2	30
71	Vortex characteristics in the vicinity of the order-disorder transition in vortex matter. <i>Physical Review B</i> , 2002, 66, .	3.2	30
72	Bulk transport properties of Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals in the Corbino disk geometry. <i>Physical Review B</i> , 1999, 60, R757-R760.	3.2	29

#	ARTICLE	IF	CITATIONS
73	Dynamic creation and annihilation of metastable vortex phase as a source of excess noise. Europhysics Letters, 2002, 58, 112-118.	2.0	28
74	Interplay of Anisotropy and Disorder in the Doping-Dependent Melting and Glass Transitions of Vortices in Bi ₂ Sr ₂ CaCu ₂ O ₈ +Tl. Physical Review Letters, 2007, 98, 167004.	7.8	27
75	Temperature Variations of the Disorder-Induced Vortex-Lattice-Melting Landscape. Physical Review Letters, 2001, 87, 167001.	7.8	26
76	Dispersive and Nondispersive Transport in Amorphous Semiconductors in Presence of Bias Illumination. Physical Review Letters, 1984, 53, 1012-1015.	7.8	25
77	Effect of quantum tunneling on the ignition and propagation of magnetic avalanches in Mn_{12} -acetate. Physical Review B, 2007, 76, .	3.2	25
78	Dynamics of single vortices in grain boundaries: I-V characteristics on the femtovolt scale. Applied Physics Letters, 2009, 94, .	3.3	25
79	Flux Creep and the Crossover to Flux Flow in the Resistivity of High-Tc Superconductors. Springer Series in Solid-state Sciences, 1989, , 349-360.	0.3	25
80	Experimental determination of the dipolar field in Mn_{12} -acetate. Physical Review B, 2009, 79, .	3.2	23
81	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
82	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
83	Geometric-Phase Interference in a Mn_{12} Single-Molecule Magnet with Fourfold Rotational Symmetry. Physical Review Letters, 2013, 110, 087205.	7.8	21
84	Resonant electron-lattice cooling in graphene. Physical Review B, 2018, 97, .	3.2	21
85	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
86	Experimental upper bound on superradiance emission from Mn_{12} -acetate. Physical Review B, 2004, 70, .	3.2	20
87	Sputtered Mo ₆₆ Re ₃₄ SQUID-on-Tip for High-Field Magnetic and Thermal Nanoimaging. Physical Review Applied, 2019, 12, .	3.8	20
88	Effect of transport currents on the critical state of YBa ₂ Cu ₃ O _{7-δ} thin films. Physical Review B, 1993, 48, 13192-13195.	3.2	19
89	Flux pinning mechanisms in ErNi ₂ B ₂ C. Physical Review B, 2001, 64, .	3.2	19
90	Direct Reconstruction of Two-Dimensional Currents in Thin Films from Magnetic-Field Measurements. Physical Review Applied, 2017, 8, .	3.8	19

#	ARTICLE	IF	CITATIONS
109	Vortex pinning by magnetic order in ErNi ₂ B ₂ C. Physical Review B, 2000, 63, .	3.2	12
110	Shear-induced vortex decoupling in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals. Physical Review B, 2000, 61, R9261-R9264.	3.2	12
111	Dynamic Order-to-Metastable-Disorder Vortex Matter Transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ + \hat{t} . Physical Review Letters, 2007, 98, 107001.	7.8	12
112	Ground-state tunneling in Mn ₁₂ -acetate. Physical Review B, 2002, 65, .	3.2	11
113	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
114	Nano-sized SQUID-on-tip for scanning probe microscopy. Journal of Physics: Conference Series, 2012, 400, 052004.	0.4	11
115	Magnetic avalanches of minor fast-relaxing species of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Mn} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 12 \langle \text{mml:mtext} \rangle$. Physical Review B, 2009, 80, .	3.2	10
116	Ambipolar transport in amorphous semiconductors in the relaxation regime. Journal of Non-Crystalline Solids, 1987, 97-98, 619-622.	3.1	9
117	Global ac susceptibility of low pinning high-T _c crystals near T _c . Zeitschrift für Physik B-Condensed Matter, 1996, 101, 561-564.	1.1	9
118	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
119	Noise in vortex matter. , 2003, , .		9
120	Phase diagram of Bi ₂ Sr ₂ CaCu ₂ O ₈ in the mixed state: effects of anisotropy and disorder. European Physical Journal D, 1996, 46, 3218-3224.	0.4	8
121	Magnetic noise measurements using cross-correlated Hall sensor arrays. Applied Physics Letters, 2001, 78, 359-361.	3.3	8
122	FLUX-FLOW NOISE IN THE VICINITY OF THE PEAK EFFECT. Fluctuation and Noise Letters, 2002, 02, L31-L36.	1.5	8
123	First-order disorder-driven transition and inverse melting of the vortex lattice. Physica C: Superconductivity and Its Applications, 2002, 369, 36-44.	1.2	8
124	Local measurements of magnetization in Mn ₁₂ crystals. Physical Review B, 2005, 72, .	3.2	8
125	Spatiotemporal Vortex Matter Oscillations in Bi ₂ Sr ₂ CaCu ₂ O ₈ + \hat{t} Crystals. Physical Review Letters, 2007, 98, 017001.	7.8	8
126	Influence of spatial variations in the lower critical field on the equilibrium field penetration into superconductors. Physical Review B, 2008, 77, .	3.2	8

#	ARTICLE	IF	CITATIONS
127	Suppression of geometrical barrier in Bi ₂ Sr ₂ CaCu ₂ O ₈ +Îcrystals by Josephson vortex stacks. Physical Review B, 2011, 83, .	3.2	8
128	Determination of bandtail parameters and recombination mechanisms in a-Si:H by comparative study of photoabsorption and photoconductivity. Solid State Communications, 1985, 56, 867-870.	1.9	7
129	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
130	Vortex matter phase transitions in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physica C: Superconductivity and Its Applications, 1997, 282-287, 323-326.	1.2	7
131	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
132	Spatial determination of magnetic avalanche ignition points. Journal of Magnetism and Magnetic Materials, 2008, 320, 695-698.	2.3	7
133	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
134	Flux-pinning energies in high-Tc superconductors. Physical Review Letters, 1990, 65, 278-278.	7.8	6
135	Hall-array measurements of flux creep parameters in Y-Ba-Cu-O crystals. Journal of Low Temperature Physics, 1997, 107, 455-465.	1.4	6
136	Transport properties of vortex matter governed by the edge inductance in superconducting $\text{Bi}_{2-x}\text{Sr}_x\text{CuO}_{8-y}$. Physical Review B, 2009, 80, .	3.2	6
137	Nanomechanics of an individual vortex in an anisotropic type-II superconductor. Physical Review B, 2009, 80, .	3.2	6
138	Critical current in type-II superconductors near the order-disorder transition. Physical Review B, 2010, 81, .	3.2	6
139	Diffusion length measurements in a-Si:H using the steady state Photocarrier grating technique. Journal of Non-Crystalline Solids, 1987, 97-98, 571-574.	3.1	5
140	Hall-array gradiometer for measurement of the magnetic induction vector in superconductors. Journal of Applied Physics, 1999, 85, 5471-5473.	2.5	5
141	Velocity-fluctuationsâ€‘dominated flux-flow noise in the peak effect. Europhysics Letters, 2004, 66, 412-418.	2.0	5
142	Multiple Changes of Order of the Vortex Melting Transition in $\text{Bi}_{2-x}\text{Sr}_x\text{CuO}_{8-y}$ with Dilute Columnar Defects. Physical Review Letters, 2008, 101, 157003.	3.4	5
143	Quantum ignition of deflagration in the Fe_8 molecular magnet. Physical Review B, 2014, 90, .	3.2	5
144	Multi-terminal multi-junction dc SQUID for nanoscale magnetometry. Superconductor Science and Technology, 2016, 29, 114001.	3.5	5

#	ARTICLE	IF	CITATIONS
145	Electron equilibration in a-Si:H bandtails following pulse excitation. Solid State Communications, 1988, 67, 903-906.	1.9	4
146	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
147	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
148	Study of recombination of photocarriers in a-As ₂ Se ₃ and As ₂ Te ₃ by photoconductivity and photo-absorption measurements. Journal of Non-Crystalline Solids, 1983, 59-60, 965-968.	3.1	3
149	Abulafia et al. Reply. Physical Review Letters, 1997, 79, 3796-3796.	7.8	3
150	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
151	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
152	Current-induced decoupling of vortices in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physica B: Condensed Matter, 2000, 284-288, 685-686.	2.7	3
153	Porous vortex matter. Physica C: Superconductivity and Its Applications, 2004, 408-410, 495-498.	1.2	3
154	The occurrence of avalanches in a single crystal of Mn ₁₂ -acetate. Journal of Applied Physics, 2005, 97, 10M517.	2.5	3
155	Self field of ac current reveals voltage-current law in type-II superconductors. Physical Review B, 2006, 74, .	3.2	3
156	Lamellar Solid-Liquid Mesophase Nucleated by Josephson Vortices at the Melting of the Vortex Lattice in Bi ₂ Sr ₂ CaCu ₂ O ₈ +t Superconductor. Physical Review Letters, 2011, 107, 247001.	7.8	3
157	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
158	Photoabsorption in amorphous chalcogenides at 10.6 μm using guided wave techniques. Thin Solid Films, 1982, 89, 263-266.	1.8	2
159	Local ac magnetic response in Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals. European Physical Journal D, 1996, 46, 1543-1544.	0.4	2
160	Resistivity onset at the first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . European Physical Journal D, 1996, 46, 1583-1584.	0.4	2
161	Effects of correlated disorder on vortex-lattice melting in BSCCO. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2067-2068.	1.2	2
162	More evidence for a distribution of tunnel splittings in Mn ₁₂ -acetate. Journal of Applied Physics, 2003, 93, 7095-7097.	2.5	2

#	ARTICLE	IF	CITATIONS
163	Experiments in superconducting vortex avalanches. Physica C: Superconductivity and Its Applications, 2004, 408-410, 501-504.	1.2	2
164	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
165	Experimental evidence for vortex equilibration by an in-plane dc field in Bi2Sr2CaCu2O8. Physica C: Superconductivity and Its Applications, 2010, 470, S239-S240.	1.2	2
166	Nanomechanics of an individual vortex in a type-II superconductor. Physica C: Superconductivity and Its Applications, 2010, 470, S894-S895.	1.2	2
167	Zeldov and Weiser Respond. Physical Review Letters, 1985, 54, 249-249.	7.8	1
168	Dependence of photoconductivity and photoabsorption on H content in a-Si:H films. Journal of Non-Crystalline Solids, 1985, 77-78, 639-642.	3.1	1
169	Enhanced flux creep and nonequilibrium optical response in YBaCuO epitaxial films. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1599-1600.	1.2	1
170	The effect of anisotropy on the phase diagram of Bi2Sr2CaCu2O8. European Physical Journal D, 1996, 46, 1563-1564.	0.4	1
171	Local magnetic measurement of strong pinning by columnar defects. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2189-2190.	1.2	1
172	Local magnetic relaxation in Nd1.85Ce0.15CuO4 crystals. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2209-2210.	1.2	1
173	Amorphous Vortex Phase in Bi2Sr2CaCu2O8 After the First Order Liquid-Solid Phase Transition. Journal of Low Temperature Physics, 2004, 135, 139-142.	1.4	1
174	Edge Contamination Effects in the Dynamics of Vortex Matter in Superconductors: Memory Effects and Excess Flux-flow Noise. , 2006, , 109-128.		1
175	Melting of heterogeneous vortex matter: The vortex "nanoliquid". Pramana - Journal of Physics, 2006, 66, 43-54.	1.8	1
176	Superconducting strip with ac current. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1251-1252.	1.2	1
177	Photoabsorption in amorphous semiconductors using a wave guided CO2 laser. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1983, 117-118, 983-985.	0.9	0
178	Anomalous magnetic field dependence of the critical current density in polycrystalline YBa2Cu3O7. Physica C: Superconductivity and Its Applications, 1994, 235-240, 3091-3092.	1.2	0
179	The penetration length λ , the bulk critical field H_{c1} , and the geometrical barrier in Tl2Ba2CaCu2O8 single crystals. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1805-1806.	1.2	0
180	Angular dependence of the first-order vortex-lattice phase transition in Bi2Sr2CaCu2O8. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2045-2046.	1.2	0

#	ARTICLE	IF	CITATIONS
181	Nonlinear microwave response to magnetic modulation in BSCCO. Physica B: Condensed Matter, 2000, 284-288, 937-938.	2.7	0
182	Current-enhanced anisotropy of Bi ₂ Sr ₂ CaCu ₂ O ₈ in the mixed state. Physica C: Superconductivity and Its Applications, 2000, 341-348, 985-986.	1.2	0
183	Local studies of vortex instabilities and memory effects in NbSe ₂ . Physica C: Superconductivity and Its Applications, 2000, 341-348, 1221-1222.	1.2	0
184	Dynamic studies of vortices in NbSe ₂ , from single flux lines to lattices. Physica C: Superconductivity and Its Applications, 2000, 332, 160-165.	1.2	0
185	Transition between thermally assisted relaxation and quantum tunneling in a molecular magnet. Journal of Applied Physics, 2001, 89, 6802-6804.	2.5	0
186	Ground state tunneling due to a distribution of tunnel splittings in Mn ¹² -acetate. Journal of Applied Physics, 2002, 91, 7161.	2.5	0
187	Investigating the vortex melting phenomenon in BSCCO crystals using magneto-optical imaging technique. Pramana - Journal of Physics, 2002, 58, 893-898.	1.8	0
188	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
189	Tunnel splitting distributions and dipolar shuffling in Mn ¹² -acetate. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E719-E720.	2.3	0
190	Distributed injection of transient vortex states in a prism-shaped Bi ₂ Sr ₂ CaCu ₂ O ₈ + \hat{r} crystal. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1210-1212.	1.2	0
191	Pre-melting of crossing vortex lattices. Europhysics Letters, 2013, 103, 47007.	2.0	0
192	Vortex Pinning and Dynamics in Magnetic and Non-Magnetic (RE)Ni ₂ B ₂ C Superconductors. , 2001, , 347-356.		0
193	Flux Pinning in (Re)Ni ₂ B ₂ C Superconductors. , 1999, , 265-280.		0
194	Experimental Evaluation of the Role of Geometrical and Surface Barriers in BSCCO-2212 Crystals. , 1999, , 239-264.		0
195	Edge Contamination Effects in the Dynamics of Vortex Matter in Superconductors: Memory Effects and Excess Flux-flow Noise. , 2006, , 109-128.		0