

Gianni Blatter

List of Publications by Year in descending order

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240
papers

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47409

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docs citations

241
times ranked

7463
citing authors

#	ARTICLE	IF	CITATIONS
1	Creep effects on the Campbell response in type-II superconductors. <i>Physical Review Research</i> , 2022, 4, .	1.3	1
2	Hessian characterization of the pinning landscape in a type-II superconductor. <i>Physical Review B</i> , 2022, 105, .	1.1	1
3	Spontaneous Valley Spirals in Magnetically Encapsulated Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2021, 126, 056803.	2.9	13
4	Linear Ascending Metrological Algorithm. <i>Physical Review Research</i> , 2021, 3, .	1.3	5
5	Open quantum systems beyond Fermi's golden rule: Diagrammatic expansion of the steady-state time-convolutionless master equations. <i>Physical Review Research</i> , 2021, 3, .	1.3	12
6	Role of rare events in the pinning problem. <i>Physical Review Research</i> , 2020, 2, .	1.3	4
7	Strong pinning theory of thermal vortex creep in type-II superconductors. <i>Physical Review B</i> , 2019, 100, .	1.1	8
8	Electrically Tunable Flat Bands and Magnetism in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2019, 123, 096802.	2.9	69
9	Quantum stabilization of photonic spatial correlations. <i>Physica Scripta</i> , 2019, 94, 024001.	1.2	2
10	Rashba Cavity QED: A Route Towards the Superradiant Quantum Phase Transition. <i>Physical Review Letters</i> , 2019, 123, 207402.	2.9	38
11	Experimental test of strong pinning and creep in current-voltage characteristics of type-II superconductors. <i>Physical Review B</i> , 2019, 100, .	1.1	6
12	H-theorem and Maxwell demon in quantum physics. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
13	Quantum metrology with a transmon qutrit. <i>Physical Review A</i> , 2018, 97, .	1.0	34
14	Persistence of pinning and creep beyond critical drive within the strong pinning paradigm. <i>Physical Review B</i> , 2018, 98, .	1.1	13
15	Extended quantum Maxwell demon acting over macroscopic distances. <i>Physical Review B</i> , 2018, 98, .	1.1	8
16	Emergent light crystal from frustration and pump engineering. <i>Physical Review B</i> , 2018, 98, .	1.1	5
17	Substrate-induced topological minibands in graphene. <i>Physical Review B</i> , 2018, 98, .	1.1	9
18	Quantum-enhanced magnetometry by phase estimation algorithms with a single artificial atom. <i>Npj Quantum Information</i> , 2018, 4, .	2.8	41

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19	Entropy Dynamics in the System of Interacting Qubits. Journal of Russian Laser Research, 2018, 39, 120-127.	0.3	8
20	Cavity-Mediated Coherent Coupling between Distant Quantum Dots. Physical Review Letters, 2018, 120, 236801.	2.9	10
21	Phase Diagram and Excitations of the Jaynes-Cummings-Hubbard Model. Quantum Science and Technology, 2017, , 23-41.	1.5	0
22	Nonequilibrium gas-liquid transition in the driven-dissipative photonic lattice. Physical Review A, 2017, 96, .	1.0	50
23	Vortex dynamics in type-II superconductors under strong pinning conditions. Physical Review B, 2017, 96, .	1.1	15
24	Spatial correlations in driven-dissipative photonic lattices. New Journal of Physics, 2017, 19, 125016.	1.2	12
25	Long-range spin coherence in a strongly coupled all-electronic dot-cavity system. Physical Review B, 2017, 96, .	1.1	7
26	Trading coherence and entropy by a quantum Maxwell demon. Physical Review A, 2016, 94, .	1.0	13
27	Competing structures in two dimensions: Square-to-hexagonal transition. Physical Review B, 2016, 94, .	1.1	8
28	Time correlators from deferred measurements. Physical Review B, 2016, 93, .	1.1	6
29	Probing the pinning landscape in type-II superconductors via Campbell penetration depth. Physical Review B, 2016, 93, .	1.1	30
30	Optimal noninvasive measurement of full counting statistics by a single qubit. Physical Review B, 2016, 93, .	1.1	4
31	Campbell penetration in the critical state of type-II superconductors. Physical Review B, 2015, 92, .	1.1	16
32	Incompressible Polaritons in a Flat Band. Physical Review Letters, 2015, 115, 143601.	2.9	51
33	Transport Spectroscopy of a Spin-Coherent Dot-Cavity System. Physical Review Letters, 2015, 115, 166603.	2.9	26
34	Campbell Response in Type-II Superconductors under Strong Pinning Conditions. Physical Review Letters, 2015, 115, 207001.	2.9	19
35	Tunable, nonlinear Hong-Ou-Mandel interferometer. Physical Review A, 2015, 91, .	1.0	11
36	Sequential quantum-enhanced measurement with an atomic ensemble. Physical Review A, 2014, 89, .	1.0	3

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37	Self-protected polariton states in photonic quantum metamaterials. <i>Physical Review A</i> , 2014, 89, .	1.0	14
38	Competing structures in two-dimensional trapped dipolar gases. <i>Physical Review B</i> , 2014, 90, .	1.1	3
39	Projective versus weak measurement of charge in a mesoscopic conductor. <i>Physical Review B</i> , 2014, 90, .	1.1	7
40	Flux-Dependent Crossover between Quantum and Classical Behavior in a dc SQUID. <i>Physical Review Letters</i> , 2014, 113, 247005.	2.9	4
41	Suppression of geometric barrier in type-II superconducting strips. <i>Physical Review B</i> , 2014, 89, .	1.1	10
42	Transition from slow Abrikosov to fast moving Josephson vortices in iron pnictide superconductors. <i>Nature Materials</i> , 2013, 12, 134-138.	13.3	43
43	Two-particle entanglement in capacitively coupled Mach-Zehnder interferometers. <i>Physical Review B</i> , 2013, 87, .	1.1	12
44	Finite-temperature perturbation theory for the random directed polymer problem. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 570-578.	0.2	1
45	From the Jaynes-Cummings-Hubbard to the Dicke model. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 224020.	0.6	13
46	Scattering matrix approach to interacting electron transport. <i>Physical Review B</i> , 2012, 86, .	1.1	4
47	Nonequilibrium Dynamics of Coupled Qubit-Cavity Arrays. <i>Physical Review Letters</i> , 2012, 108, 233603.	2.9	107
48	Dynamical Aspects of Strong Pinning of Magnetic Vortices in Type-II Superconductors. <i>Physical Review Letters</i> , 2012, 108, 217001.	2.9	24
49	Andreev quantum dot with several conducting channels. <i>Physical Review B</i> , 2012, 85, .	1.1	7
50	Influence of a random telegraph process on the transport through a point contact. <i>European Physical Journal B</i> , 2011, 83, 349-356.	0.6	1
51	Quantum abacus for counting and factorizing numbers. <i>Physical Review A</i> , 2011, 83, .	1.0	11
52	Dynamical Resurrection of the Visibility in a Mach-Zehnder Interferometer. <i>Physical Review Letters</i> , 2011, 107, 076803.	2.9	9
53	Quantum counting algorithm and its application in mesoscopic physics. <i>Physical Review A</i> , 2010, 82, .	1.0	10
54	Publisher's Note: Excitations of Strongly Correlated Lattice Polaritons [<i>Phys. Rev. Lett.</i> 104 , 216402 (2010)]. <i>Physical Review Letters</i> , 2010, 105, .	2.9	1

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55	Dynamical Unbinding Transition in a Periodically Driven Mott Insulator. Physical Review Letters, 2010, 104, 220402.	2.9	9
56	Free-energy distribution functions for the randomly forced directed polymer. Physical Review B, 2010, 82, .	1.1	9
57	Excitations of Strongly Correlated Lattice Polaritons. Physical Review Letters, 2010, 104, 216402.	2.9	44
58	SureretÅal.Reply:. Physical Review Letters, 2010, 105, .	2.9	1
59	Nonequilibrium delocalization-localization transition of photons in circuit quantum electrodynamics. Physical Review B, 2010, 82, .	1.1	89
60	Measurement Back-Action in Quantum Point-Contact Charge Sensing. Entropy, 2010, 12, 1721-1732.	1.1	6
61	Statistics of radiation emitted from a quantum point contact. Physical Review B, 2010, 81, .	1.1	32
62	Mesoscopic aspects of strongly interacting cold atoms. Physical Review B, 2009, 79, .	1.1	2
63	Density of States and Critical Behavior of the Coulomb Glass. Physical Review Letters, 2009, 102, 067205.	2.9	32
64	Quantum instability in a dc SQUID with strongly asymmetric dynamical parameters. Physical Review B, 2009, 79, .	1.1	4
65	Noise-induced spectral shift measured in a double quantum dot. Physical Review B, 2009, 80, .	1.1	9
66	Strong Coupling Theory for the Jaynes-Cummings-Hubbard Model. Physical Review Letters, 2009, 103, 086403.	2.9	105
67	Single-Particle Excitations Generated by Voltage Pulses. , 2009, , .		1
68	Muñchhausen effect: tunneling in an asymmetric SQUID. , 2009, , .		0
69	The dynamically asymmetric SQUID: MÅ¼nchhausen effect. Physica C: Superconductivity and Its Applications, 2008, 468, 705-708.	0.6	1
70	Amplitude Mode in the Quantum Phase Model. Physical Review Letters, 2008, 100, 050404.	2.9	55
71	N -Particle Scattering Matrix for Electrons Interacting on a Quantum Dot. Physical Review Letters, 2008, 100, 226805.	2.9	14
72	Vortex Matter. , 2008, , 495-637.		1

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73	Joint Free-Energy Distribution in the Random Directed Polymer Problem. Physical Review Letters, 2008, 100, 050601.	2.9	11
74	Bell's inequality test with time-delayed two-particle correlations. Physical Review B, 2008, 77, .	1.1	2
75	Wave-packet formalism of full counting statistics. Physical Review B, 2008, 78, .	1.1	63
76	Hysteretic magnetotransport in p with In/Zn/Au Ohmic contacts. Physical Review B, 2008, 77, .	1.1	2
77	Engineering exotic phases for topologically protected quantum computation by emulating quantum dimer models. Physical Review B, 2008, 78, .	1.1	17
78	Effects of Exchange Symmetry on Full Counting Statistics. Physical Review Letters, 2007, 99, 076804.	2.9	12
79	Continuously tunable charge in Andreev quantum dots. Physical Review B, 2007, 75, .	1.1	14
80	Density functional theory of vortex lattice melting in layered superconductors: A mean-field substrate approach. Physical Review B, 2007, 75, .	1.1	6
81	Typical versus average helicity modulus in the three-dimensional gauge glass: Understanding the vortex glass phase. Physical Review B, 2007, 75, .	1.1	3
82	Surface melting of the vortex lattice in layered superconductors: Density functional theory. Physical Review B, 2007, 75, .	1.1	2
83	Magnetic flux detection with an Andreev quantum dot. JETP Letters, 2007, 86, 210-215.	0.4	9
84	Dynamical properties of ultracold bosons in an optical lattice. Physical Review B, 2007, 75, .	1.1	135
85	Unusual upper critical field in the pyrochlore KOs_2O_6 . Journal of Physics: Conference Series, 2006, 51, 295-298.	0.3	0
86	Atomic gas in flatland. Nature, 2006, 441, 1053-1054.	13.7	5
87	Zeeman and orbital limiting magnetic fields in cuprates: The pseudogap connection. Pramana - Journal of Physics, 2006, 66, 219-225.	0.9	0
88	Uncommonly high upper critical field of the pyrochlore superconductor KOs_2O_6 below the enhanced paramagnetic limit. Physical Review B, 2006, 74, .	1.1	31
89	Using Qubits to Measure Fidelity in Mesoscopic Systems. Physical Review Letters, 2006, 96, 106801.	2.9	30
90	Surface Melting of the Vortex Lattice. Physical Review Letters, 2006, 96, 177001.	2.9	6

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91	Entanglement in a Noninteracting Mesoscopic Structure. AIP Conference Proceedings, 2005, , .	0.3	0
92	Publisher's Note: Dissociation of Vortex Stacks into Fractional-Flux Vortices [Phys. Rev. Lett.94, 097001 (2005)]. Physical Review Letters, 2005, 94, .	2.9	11
93	Mean-field glass transition in a model liquid. Physical Review E, 2005, 72, 021502.	0.8	4
94	Wave function collapse in a mesoscopic device. Physical Review B, 2005, 71, .	1.1	5
95	Entanglement in a noninteracting mesoscopic structure. Physical Review B, 2005, 71, .	1.1	43
96	Generating spin-entangled electron pairs in normal conductors using voltage pulses. Physical Review B, 2005, 72, .	1.1	31
97	Dissociation of Vortex Stacks into Fractional-Flux Vortices. Physical Review Letters, 2005, 94, 097001.	2.9	35
98	SEPARATED SPIN AND CHARGE DEGREES OF FREEDOM IN HIGH-Tc SUPERCONDUCTORS. International Journal of Modern Physics B, 2005, 19, 193-197.	1.0	1
99	The Nobel Prize in Physics 2003. Europhysics News, 2004, 35, 58-59.	0.1	1
100	Decoherence in Superconducting Quantum Bits by Phonon Radiation. Physical Review Letters, 2004, 93, 057001.	2.9	41
101	Quantum Fluctuations in Thin Superconducting Wires of Finite Length. Physical Review Letters, 2004, 92, 067007.	2.9	65
102	Entanglement in mesoscopic structures: Role of projection. Physical Review B, 2004, 69, .	1.1	38
103	Weak to Strong Pinning Crossover. Physical Review Letters, 2004, 92, 067009.	2.9	107
104	Superconducting tetrahedral quantum bits: Emulation of a noise-resistant spin-1/2 system. Physical Review B, 2004, 70, .	1.1	11
105	Phase separation of atomic Bose-Fermi mixtures in an optical lattice. Physical Review A, 2004, 69, .	1.0	46
106	Zeeman and orbital limiting fields: Separated spin and charge degrees of freedom in cuprate superconductors. Physical Review B, 2004, 69, .	1.1	15
107	Surface effects on the pancake vortex phase diagram. Physica C: Superconductivity and Its Applications, 2004, 404, 119-122.	0.6	0
108	Peak effect at the weak to strong pinning crossover. Physica C: Superconductivity and Its Applications, 2004, 404, 209-214.	0.6	8

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109	Superconducting Tetrahedral Quantum Bits. <i>Physical Review Letters</i> , 2004, 92, 098301.	2.9	13
110	Pseudogap state in overdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+y}$. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 387, 169-174.	0.6	2
111	The qubit duet. <i>Nature</i> , 2003, 421, 796-797.	13.7	3
112	Commensurate-Incommensurate Transition of Cold Atoms in an Optical Lattice. <i>Physical Review Letters</i> , 2003, 90, 130401.	2.9	114
113	Impact of long-range interactions on the disordered vortex lattice. <i>Physical Review B</i> , 2003, 68, .	1.1	0
114	Vortex viscosity in the moderately clean limit of layered superconductors. <i>Physical Review B</i> , 2003, 67, .	1.1	4
115	Optical resonances in reflectivity due to crystal modes with spatial dispersion. <i>Physical Review B</i> , 2003, 68, .	1.1	6
116	Supersolid versus Phase Separation in Atomic Bose-Fermi Mixtures. <i>Physical Review Letters</i> , 2003, 91, 130404.	2.9	164
117	Unconventionally large quantum-dissipative gap regime in overdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+y}$. <i>Physical Review B</i> , 2003, 67, .	1.1	36
118	Vortex Matter. , 2003, , 725-936.		6
119	Minigap in a long disordered SNS junction: Analytical results. <i>Physical Review B</i> , 2002, 66, .	1.1	20
120	Spontaneous magnetic moments in clean normal-metal "superconductor proximity layers. <i>Physical Review B</i> , 2002, 65, .	1.1	4
121	Quantum collective creep: A quasiclassical Langevin equation approach. <i>Physical Review B</i> , 2002, 66, .	1.1	16
122	Interaction of vortices in superconductors with ν close to $1/2$. <i>Physical Review B</i> , 2002, 65, .	1.1	26
123	Bell inequalities and entanglement in solid-state devices. <i>Physical Review B</i> , 2002, 66, .	1.1	213
124	Topologically protected quantum bits using Josephson junction arrays. <i>Nature</i> , 2002, 415, 503-506.	13.7	177
125	Design aspects of superconducting-phase quantum bits. <i>Physical Review B</i> , 2001, 63, .	1.1	166
126	Supercurrents through gated superconductor "normal-metal" superconductor contacts: The Josephson transistor. <i>Physical Review B</i> , 2001, 63, .	1.1	16

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127	Vortex Collisions: Crossing or Recombination?. Physical Review Letters, 2001, 86, 5132-5135.	2.9	21
128	Electronic entanglement in the vicinity of a superconductor. European Physical Journal B, 2001, 24, 287-290.	0.6	290
129	Quantum computing with superconducting phase qubits. Physica C: Superconductivity and Its Applications, 2001, 352, 105-109.	0.6	1
130	Superfluidity versus Bloch Oscillations in Confined Atomic Gases. Physical Review Letters, 2001, 87, 100403.	2.9	39
131	Velocity-force characteristics of a driven interface in a disordered medium. Physical Review B, 2001, 63, .	1.1	30
132	Marginal pinning of vortices at high temperature. Physical Review B, 2001, 64, .	1.1	10
133	Interference effects in isolated Josephson junction arrays with geometric symmetries. Physical Review B, 2001, 65, .	1.1	22
134	Vortices in weakly coupled layered superconductors. Physica B: Condensed Matter, 2000, 280, 220-224.	1.3	7
135	Anisotropy-enhanced vortex pinning by randomly splayed extended defects in high-Tc superconductors. Physica C: Superconductivity and Its Applications, 2000, 335, 144-147.	0.6	9
136	Melting and decoupling in the vortex system of layered superconductors. Physica C: Superconductivity and Its Applications, 2000, 332, 66-70.	0.6	4
137	Casimir force between two half spaces of vortex matter in anisotropic superconductors. Physica C: Superconductivity and Its Applications, 2000, 332, 402-404.	0.6	1
138	Quantum decay of a superflow through a weak link in a thin tube. Physica C: Superconductivity and Its Applications, 2000, 332, 437-439.	0.6	1
139	Schrödinger's cat is now fat. Nature, 2000, 406, 25-26.	13.7	23
140	Andreev Spectroscopy for Superconducting Phase Qubits. Journal of Low Temperature Physics, 2000, 118, 805-816.	0.6	11
141	Supercurrent quantization in narrow-channel superconductorâ€“normal-metalâ€“superconductor junctions. Physical Review B, 2000, 62, 3559-3564.	1.1	21
142	Evaporation of the Pancake-Vortex Lattice in Weakly Coupled Layered Superconductors. Physical Review Letters, 2000, 84, 2698-2701.	2.9	33
143	Marginal pinning of quenched random polymers. Physical Review B, 2000, 62, 14032-14039.	1.1	6
144	From microscopic theory to Boltzmann kinetic equation: Application to vortex dynamics. Physical Review B, 1999, 59, 14663-14673.	1.1	18

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145	Singularities of the renormalization-group flow for random elastic manifolds. Physical Review B, 1999, 59, 32-33.	1.1	4
146	Paramagnetic Instability at Normal-Metal-Superconductor Interfaces. Physical Review Letters, 1999, 82, 3336-3339.	2.9	52
147	Nonlocality in mesoscopic Josephson junctions with strip geometry. Physical Review B, 1999, 59, R9027-R9030.	1.1	27
148	Renormalization-group analysis of weak collective pinning in type-II superconductors. Physical Review B, 1999, 59, 11551-11562.	1.1	7
149	Comment on "Orbital Paramagnetism of Electrons in Proximity to a Superconductor". Physical Review Letters, 1999, 82, 1796-1796.	2.9	12
150	Defect-Unbinding Transition in Layered Superconductors. Physical Review Letters, 1999, 83, 5358-5361.	2.9	21
151	Exact Free Energy Distribution Function of a Randomly Forced Directed Polymer. Physical Review Letters, 1999, 82, 2705-2708.	2.9	16
152	Casimir force between vortex matter in anisotropic and layered superconductors. Physical Review B, 1999, 59, 11990-12000.	1.1	4
153	Environmentally decoupled sds -wave Josephson junctions for quantum computing. Nature, 1999, 398, 679-681.	13.7	423
154	Hall Tunneling of Vortices in Superclean Superconductors. Journal of Superconductivity and Novel Magnetism, 1999, 12, 835-837.	0.5	0
155	Dynamics and effective actions of BCS superconductors. European Physical Journal B, 1999, 10, 131-143.	0.6	44
156	Statistical Mechanics of Vortex Lines. , 1999, , 435-463.		0
157	Nonlinear transport through NS junctions due to imperfect Andreev reflection. JETP Letters, 1998, 68, 599-605.	0.4	3
158	Finite-voltage shot noise in normal-metal-superconductor junctions. Physical Review B, 1998, 58, 11177-11180.	1.1	20
159	Metastability of(d+n)-dimensional elastic manifolds. Physical Review B, 1998, 58, 5486-5492.	1.1	15
160	Diffusion and creep of a particle in a random potential. Physical Review B, 1998, 58, 213-217.	1.1	17
161	(4+N)-dimensional elastic manifolds in random media: A renormalization-group analysis. Physical Review B, 1998, 57, 7642-7652.	1.1	22
162	Vortex motion in charged and neutral superfluids: A hydrodynamic approach. Physical Review B, 1998, 57, 575-581.	1.1	93

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163	Numerical study of vortex matter using the Bose model: First-order melting and entanglement. Physical Review B, 1998, 58, 14556-14571.	1.1	36
164	Lower Critical Field H_{c1} and Barriers for Vortex Entry in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8 + \delta$ Crystals. Physical Review Letters, 1998, 81, 3231-3234.	2.9	52
165	Characteristics of First-Order Vortex Lattice Melting: Jumps in Entropy and Magnetization. Physical Review Letters, 1998, 80, 837-840.	2.9	59
166	Thermal Suppression of Strong Pinning. Physical Review Letters, 1998, 81, 906-909.	2.9	8
167	Thermally activated Hall creep of flux lines from a columnar defect. Physical Review B, 1998, 57, 3577-3585.	1.1	5
168	Thermodynamics of the first-order vortex lattice melting transition in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. Physical Review B, 1998, 57, 14498-14506.	1.1	13
169	Quantum depinning of a pancake vortex from a columnar defect. Physical Review B, 1998, 57, 3586-3592.	1.1	22
170	Anisotropic Rescaling of a Splayed Pinning Landscape in Hg Cuprates: Strong Vortex Pinning and Recovery of Variable Range Hopping. Physical Review Letters, 1998, 81, 3948-3951.	2.9	33
171	Vortices and 2D Bosons: A Path-Integral Monte Carlo Study. Physical Review Letters, 1997, 79, 1925-1928.	2.9	92
172	Magnetic breakdown in a normal-metal/superconductor proximity sandwich. Physical Review B, 1997, 56, 14102-14107.	1.1	33
173	Decay of metastable states: Sharp transition from quantum to classical behavior. Physical Review B, 1997, 56, 3130-3139.	1.1	70
174	Deformations and dynamics of an elastic string in a periodic potential. Physical Review B, 1997, 56, 416-424.	1.1	3
175	Role of electromagnetic coupling in the low-field phase diagram of $\text{Bi}_2.15\text{Sr}_{1.85}\text{CaCu}_2\text{O}_8 + \delta$. Physical Review B, 1997, 55, 5666-5669.	1.1	36
176	Nonlinearity in normal-metal/superconductor transport: Scattering-matrix approach. Physical Review B, 1997, 55, 3146-3154.	1.1	43
177	Superfast Vortex Creep in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Crystals with Columnar Defects: Evidence for Variable-Range Vortex Hopping. Physical Review Letters, 1997, 78, 3181-3184.	2.9	92
178	Vortices in d-wave superconductors. Physica B: Condensed Matter, 1997, 230-232, 932-934.	1.3	0
179	Relaxation rates of flux-lines and flux-pancakes in the presence of correlated disorder. Physica C: Superconductivity and Its Applications, 1997, 276, 42-56.	0.6	3
180	Vortex matter. Physica C: Superconductivity and Its Applications, 1997, 282-287, 19-26.	0.6	26

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181	Van der Waals attraction of vortices in superconductors. Physica C: Superconductivity and Its Applications, 1997, 282-287, 319-322.	0.6	1
182	Temperature dependence of the lower critical field H_{c1} in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ single crystals. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1301-1302.	0.6	5
183	Vortices in d-wave superconductors. Physical Review B, 1996, 54, 9385-9398.	1.1	63
184	Dynamics of vortices pinned by columnar defects in $\text{YBa}_2\text{Cu}_3\text{O}_7$ crystals. European Physical Journal D, 1996, 46, 1661-1662.	0.4	1
185	Low-field vortex dynamics over seven time decades in a $\text{Bi}_2\text{212}$ single crystal. European Physical Journal D, 1996, 46, 1725-1726.	0.4	0
186	Classical and quantum creep of vortices from columnar defects. European Physical Journal D, 1996, 46, 1739-1740.	0.4	3
187	Renormalization group analysis of weak collective pinning. European Physical Journal D, 1996, 46, 1815-1816.	0.4	1
188	Path integral monte carlo simulation of vortices. European Physical Journal D, 1996, 46, 1817-1818.	0.4	1
189	Van der Waals attraction between vortices in HTSC. European Physical Journal D, 1996, 46, 1827-1828.	0.4	0
190	Vortex charge in type II superconductors. European Physical Journal D, 1996, 46, 909-910.	0.4	1
191	Low-field phase diagram of layered superconductors: The role of electromagnetic coupling. Physical Review B, 1996, 54, 72-75.	1.1	135
192	Electrostatics of Vortices in Type-II Superconductors. Physical Review Letters, 1996, 77, 566-569.	2.9	121
193	Van der Waals Attraction of Vortices in Anisotropic and Layered Superconductors. Physical Review Letters, 1996, 77, 4958-4961.	2.9	36
194	Phase diagram of $\text{Bi}_{2.15}\text{Sr}_{1.85}\text{CaCu}_2\text{O}_{8+\delta}$ in the presence of columnar defects. Physical Review B, 1996, 54, 6129-6132.	1.1	30
195	Quantum depinning of vortices in type-II superconductors. Physical Review B, 1996, 54, 13330-13338.	1.1	1
196	Low-field vortex dynamics over seven time decades in a $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ single crystal for temperatures $13 < -T < -83\text{K}$. Physical Review B, 1996, 53, 9286-9295.	1.1	69
197	Strong Pinning and Plastic Deformations of the Vortex Lattice. Physical Review Letters, 1996, 77, 4636-4639.	2.9	25
198	Creep of vortices from columnar defects. Physical Review B, 1996, 54, R784-R787.	1.1	23

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199	Vortex Dynamics and the Hall Anomaly: A Microscopic Analysis. Physical Review Letters, 1995, 75, 3736-3739.	2.9	189
200	Quantum intrinsic Hall creep. Physical Review B, 1995, 52, 10581-10587.	1.1	8
201	Sound attenuation by helicon modes in high-Tc superconductors. Physical Review B, 1995, 52, 4588-4591.	1.1	12
202	Krusin-Elbaum, Blatter, and Civale Reply:. Physical Review Letters, 1995, 75, 187-187.	2.9	9
203	Correlation of flux lines in single-crystal Bi ₂ Sr ₂ CaCu ₂ O ₈ with columnar defects. Physical Review B, 1995, 52, 6913-6919.	1.1	50
204	Vortex Entanglement and Broken Symmetry. Physical Review Letters, 1995, 75, 1380-1383.	2.9	18
205	Bose-glass melting in YBaCuO crystals with correlated disorder. Physical Review Letters, 1994, 72, 1914-1917.	2.9	164
206	Quantum liquid of vortices in superconductors at T=0. Physical Review B, 1994, 50, 13013-13016.	1.1	54
207	Quantum statistical mechanics of vortices in high-temperature superconductors. Physical Review B, 1994, 50, 10272-10286.	1.1	64
208	Quantum statistical mechanics of vortices in type II superconductors. Journal of Low Temperature Physics, 1994, 95, 365-376.	0.6	5
209	Fluctuations and disorder in high temperature superconductors. Physica B: Condensed Matter, 1994, 194-196, 1795-1796.	1.3	0
210	Hall tunneling of vortices. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2963-2964.	0.6	0
211	Quantum statistical and dynamical effects in vortex systems. Physica C: Superconductivity and Its Applications, 1994, 235-240, 41-44.	0.6	2
212	Vortices in high-temperature superconductors. Reviews of Modern Physics, 1994, 66, 1125-1388.	16.4	5,637
213	Macroscopic quantum tunneling in a dc SQUID: Instanton splitting. Physical Review B, 1994, 49, 4033-4042.	1.1	14
214	Vortices in high temperature superconductors: the statistical mechanics and dynamics of strings. Physica A: Statistical Mechanics and Its Applications, 1993, 200, 341-350.	1.2	2
215	Scaling of the Hall resistivity in high-Tc superconductors. Physical Review Letters, 1993, 71, 1242-1245.	2.9	205
216	Elastic properties of the Abrikosov flux-line lattice in anisotropic superconductors. Physical Review B, 1993, 48, 15914-15919.	1.1	12

#	ARTICLE	IF	CITATIONS
217	Vortex fluctuations in layered superconductors and thin films. <i>Physical Review B</i> , 1993, 48, 10448-10456.	1.1	26
218	Blatter, Geshkenbein, and Larkin reply. <i>Physical Review Letters</i> , 1993, 71, 302-302.	2.9	11
219	Quantum melting of the vortex lattice in high-T _c superconductors. <i>Physical Review Letters</i> , 1993, 70, 2621-2624.	2.9	119
220	Quantum collective creep: Effects of anisotropy, layering, and finite temperature. <i>Physical Review B</i> , 1993, 47, 2725-2741.	1.1	87
221	Pinning phenomena and critical currents in disordered long Josephson junctions. <i>Physical Review B</i> , 1992, 45, 5450-5467.	1.1	81
222	From isotropic to anisotropic superconductors: A scaling approach. <i>Physical Review Letters</i> , 1992, 68, 875-878.	2.9	612
223	Kosterlitz-Thouless transition in the smectic vortex state of a layered superconductor. <i>Physical Review Letters</i> , 1991, 66, 2392-2395.	2.9	78
224	Analysis of the low field critical state in ceramic high-T _c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 181, 385-391.	0.6	17
225	Vortex pinning by twin boundaries in copper oxide superconductors. <i>Physical Review B</i> , 1991, 43, 7826-7830.	1.1	97
226	Exact solution of the t-J model in one dimension at $2t = \tilde{A} \pm J$: Ground state and excitation spectrum. <i>Physical Review B</i> , 1991, 44, 130-154.	1.1	166
227	Quantum collective creep. <i>Physical Review Letters</i> , 1991, 66, 3297-3300.	2.9	198
228	Ballistic quasiparticle propagation and symmetry of the superconducting order parameter. <i>Physical Review B</i> , 1990, 42, 4812-4814.	1.1	1
229	Electrical properties of grain boundaries in polycrystalline compound semiconductors. <i>Semiconductor Science and Technology</i> , 1990, 5, 111-137.	1.0	449
230	Limiting-path model of the critical current in a textured YBa ₂ Cu ₃ O _{7-δ} film. <i>Physical Review B</i> , 1989, 40, 829-832.	1.1	58
231	Optimal Manifolds in Random Media. <i>Europhysics Letters</i> , 1989, 10, 401-406.	0.7	2
232	New critical-state model for critical currents in ceramic high-T _c superconductors. <i>Physical Review B</i> , 1988, 38, 11391-11404.	1.1	250
233	Zener tunneling and localization in small conducting rings. <i>Physical Review B</i> , 1988, 37, 3856-3880.	1.1	73
234	Monoenergetic and Directed Electron Emission from a Large-Bandgap Organic Insulator with Negative Electron Affinity. <i>Europhysics Letters</i> , 1988, 5, 375-380.	0.7	18

#	ARTICLE	IF	CITATIONS
235	High-field transport phenomenology: Hot-electron generation at semiconductor interfaces. Physical Review B, 1987, 36, 6446-6464.	1.1	22
236	Carrier transport through grain boundaries in semiconductors. Physical Review B, 1986, 33, 3952-3966.	1.1	345
237	Electrical breakdown at semiconductor grain boundaries. Physical Review B, 1986, 34, 8555-8572.	1.1	149
238	Scattering of atomic beams off a single surface step: An exact solution. Annals of Physics, 1985, 162, 100-131.	1.0	3
239	Scattering of atomic beams off stepped surfaces. Physical Review B, 1983, 27, 7050-7072.	1.1	17
240	Stopping of light due to spatial dispersion. , 0, , .		0