

Gianni Blatter

List of Publications by Year in Descending Order

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

229 papers	13,152 citations	45 h-index	112 g-index
241 ext. papers	14,164 ext. citations	5.2 avg, IF	6.13 L-index

#	Paper	IF	Citations
229	Linear Ascending Metrological Algorithm. <i>Physical Review Research</i> , 2021 , 3,	3.9	2
228	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,	3.9	7
227	Spontaneous Valley Spirals in Magnetically Encapsulated Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2021 , 126, 056803	7.4	8
226	Role of rare events in the pinning problem. <i>Physical Review Research</i> , 2020 , 2,	3.9	2
225	Electrically Tunable Flat Bands and Magnetism in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2019 , 123, 096802	7.4	43
224	Quantum stabilization of photonic spatial correlations. <i>Physica Scripta</i> , 2019 , 94, 024001	2.6	2
223	Strong pinning theory of thermal vortex creep in type-II superconductors. <i>Physical Review B</i> , 2019 , 100,	3.3	6
222	Rashba Cavity QED: A Route Towards the Superradiant Quantum Phase Transition. <i>Physical Review Letters</i> , 2019 , 123, 207402	7.4	15
221	Experimental test of strong pinning and creep in current-voltage characteristics of type-II superconductors. <i>Physical Review B</i> , 2019 , 100,	3.3	2
220	H-theorem and Maxwell demon in quantum physics 2018 ,		3
219	Quantum metrology with a transmon qutrit. <i>Physical Review A</i> , 2018 , 97,	2.6	16
218	Entropy Dynamics in the System of Interacting Qubits. <i>Journal of Russian Laser Research</i> , 2018 , 39, 120-127		5
217	Cavity-Mediated Coherent Coupling between Distant Quantum Dots. <i>Physical Review Letters</i> , 2018 , 120, 236801	7.4	7
216	Persistence of pinning and creep beyond critical drive within the strong pinning paradigm. <i>Physical Review B</i> , 2018 , 98,	3.3	11
215	Extended quantum Maxwell demon acting over macroscopic distances. <i>Physical Review B</i> , 2018 , 98,	3.3	4
214	Emergent light crystal from frustration and pump engineering. <i>Physical Review B</i> , 2018 , 98,	3.3	4
213	Substrate-induced topological minibands in graphene. <i>Physical Review B</i> , 2018 , 98,	3.3	5

212	Quantum-enhanced magnetometry by phase estimation algorithms with a single artificial atom. <i>Npj Quantum Information</i> , 2018 , 4,	8.6	27
211	Phase Diagram and Excitations of the Jaynes-Cummings-Hubbard Model. <i>Quantum Science and Technology</i> , 2017 , 23-41	1.2	
210	Nonequilibrium gas-liquid transition in the driven-dissipative photonic lattice. <i>Physical Review A</i> , 2017 , 96,	2.6	36
209	Vortex dynamics in type-II superconductors under strong pinning conditions. <i>Physical Review B</i> , 2017 , 96,	3.3	12
208	Spatial correlations in driven-dissipative photonic lattices. <i>New Journal of Physics</i> , 2017 , 19, 125016	2.9	11
207	Long-range spin coherence in a strongly coupled all-electronic dot-cavity system. <i>Physical Review B</i> , 2017 , 96,	3.3	4
206	Competing structures in two dimensions: Square-to-hexagonal transition. <i>Physical Review B</i> , 2016 , 94,	3.3	8
205	Time correlators from deferred measurements. <i>Physical Review B</i> , 2016 , 93,	3.3	6
204	Probing the pinning landscape in type-II superconductors via Campbell penetration depth. <i>Physical Review B</i> , 2016 , 93,	3.3	24
203	Optimal noninvasive measurement of full counting statistics by a single qubit. <i>Physical Review B</i> , 2016 , 93,	3.3	4
202	Trading coherence and entropy by a quantum Maxwell demon. <i>Physical Review A</i> , 2016 , 94,	2.6	11
201	Tunable, nonlinear Hong-Ou-Mandel interferometer. <i>Physical Review A</i> , 2015 , 91,	2.6	9
200	Campbell penetration in the critical state of type-II superconductors. <i>Physical Review B</i> , 2015 , 92,	3.3	13
199	Incompressible Polaritons in a Flat Band. <i>Physical Review Letters</i> , 2015 , 115, 143601	7.4	45
198	Transport Spectroscopy of a Spin-Coherent Dot-Cavity System. <i>Physical Review Letters</i> , 2015 , 115, 166603,	7.4	19
197	Campbell Response in Type-II Superconductors under Strong Pinning Conditions. <i>Physical Review Letters</i> , 2015 , 115, 207001	7.4	13
196	Suppression of geometric barrier in type-II superconducting strips. <i>Physical Review B</i> , 2014 , 89,	3.3	9
195	Sequential quantum-enhanced measurement with an atomic ensemble. <i>Physical Review A</i> , 2014 , 89,	2.6	3

194	Self-protected polariton states in photonic quantum metamaterials. <i>Physical Review A</i> , 2014 , 89,	2.6	13
193	Competing structures in two-dimensional trapped dipolar gases. <i>Physical Review B</i> , 2014 , 90,	3.3	3
192	Projective versus weak measurement of charge in a mesoscopic conductor. <i>Physical Review B</i> , 2014 , 90,	3.3	6
191	Flux-dependent crossover between quantum and classical behavior in a dc SQUID. <i>Physical Review Letters</i> , 2014 , 113, 247005	7.4	3
190	Transition from slow Abrikosov to fast moving Josephson vortices in iron pnictide superconductors. <i>Nature Materials</i> , 2013 , 12, 134-8	27	36
189	Two-particle entanglement in capacitively coupled Mach-Zehnder interferometers. <i>Physical Review B</i> , 2013 , 87,	3.3	9
188	Finite-temperature perturbation theory for the random directed polymer problem. <i>Journal of Experimental and Theoretical Physics</i> , 2013 , 117, 570-578	1	1
187	From the Jaynes-Cummings-Hubbard to the Dicke model. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 224020	1.3	11
186	Scattering matrix approach to interacting electron transport. <i>Physical Review B</i> , 2012 , 86,	3.3	4
185	Nonequilibrium dynamics of coupled qubit-cavity arrays. <i>Physical Review Letters</i> , 2012 , 108, 233603	7.4	98
184	Dynamical aspects of strong pinning of magnetic vortices in type-II superconductors. <i>Physical Review Letters</i> , 2012 , 108, 217001	7.4	21
183	Andreev quantum dot with several conducting channels. <i>Physical Review B</i> , 2012 , 85,	3.3	6
182	Influence of a random telegraph process on the transport through a point contact. <i>European Physical Journal B</i> , 2011 , 83, 349-356	1.2	1
181	Quantum abacus for counting and factorizing numbers. <i>Physical Review A</i> , 2011 , 83,	2.6	7
180	Dynamical resurrection of the visibility in a Mach-Zehnder interferometer. <i>Physical Review Letters</i> , 2011 , 107, 076803	7.4	9
179	Dynamical unbinding transition in a periodically driven Mott insulator. <i>Physical Review Letters</i> , 2010 , 104, 220402	7.4	9
178	Free-energy distribution functions for the randomly forced directed polymer. <i>Physical Review B</i> , 2010 , 82,	3.3	8
177	Excitations of strongly correlated lattice polaritons. <i>Physical Review Letters</i> , 2010 , 104, 216402	7.4	42

176	Nonequilibrium delocalization-localization transition of photons in circuit quantum electrodynamics. <i>Physical Review B</i> , 2010 , 82,	3.3	83
175	Measurement Back-Action in Quantum Point-Contact Charge Sensing. <i>Entropy</i> , 2010 , 12, 1721-1732	2.8	4
174	Statistics of radiation emitted from a quantum point contact. <i>Physical Review B</i> , 2010 , 81,	3.3	30
173	Quantum counting algorithm and its application in mesoscopic physics. <i>Physical Review A</i> , 2010 , 82,	2.6	8
172	Mesoscopic aspects of strongly interacting cold atoms. <i>Physical Review B</i> , 2009 , 79,	3.3	2
171	Density of states and critical behavior of the Coulomb glass. <i>Physical Review Letters</i> , 2009 , 102, 067205	7.4	24
170	Quantum instability in a dc SQUID with strongly asymmetric dynamical parameters. <i>Physical Review B</i> , 2009 , 79,	3.3	4
169	Noise-induced spectral shift measured in a double quantum dot. <i>Physical Review B</i> , 2009 , 80,	3.3	9
168	Strong coupling theory for the Jaynes-Cummings-Hubbard model. <i>Physical Review Letters</i> , 2009 , 103, 086403	7.4	94
167	N-particle scattering matrix for electrons interacting on a quantum dot. <i>Physical Review Letters</i> , 2008 , 100, 226805	7.4	13
166	Vortex Matter 2008 , 495-637		1
165	Joint free-energy distribution in the random directed polymer problem. <i>Physical Review Letters</i> , 2008 , 100, 050601	7.4	11
164	Bell's inequality test with time-delayed two-particle correlations. <i>Physical Review B</i> , 2008 , 77,	3.3	2
163	Wave-packet formalism of full counting statistics. <i>Physical Review B</i> , 2008 , 78,	3.3	58
162	Hysteretic magnetotransport in p-type Al _x Ga _{1-x} As heterostructures with In/Zn/Au Ohmic contacts. <i>Physical Review B</i> , 2008 , 77,	3.3	2
161	Engineering exotic phases for topologically protected quantum computation by emulating quantum dimer models. <i>Physical Review B</i> , 2008 , 78,	3.3	16
160	The dynamically asymmetric SQUID: M�chhausen effect. <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 705-708	1.3	1
159	Amplitude mode in the quantum phase model. <i>Physical Review Letters</i> , 2008 , 100, 050404	7.4	53

158	Magnetic flux detection with an Andreev quantum dot. <i>JETP Letters</i> , 2007 , 86, 210-215	1.2	8
157	Dynamical properties of ultracold bosons in an optical lattice. <i>Physical Review B</i> , 2007 , 75,	3.3	119
156	Effects of exchange symmetry on full counting statistics. <i>Physical Review Letters</i> , 2007 , 99, 076804	7.4	11
155	Continuously tunable charge in Andreev quantum dots. <i>Physical Review B</i> , 2007 , 75,	3.3	13
154	Density functional theory of vortex lattice melting in layered superconductors: A mean-field substrate approach. <i>Physical Review B</i> , 2007 , 75,	3.3	6
153	Typical versus average helicity modulus in the three-dimensional gauge glass: Understanding the vortex glass phase. <i>Physical Review B</i> , 2007 , 75,	3.3	3
152	Surface melting of the vortex lattice in layered superconductors: Density functional theory. <i>Physical Review B</i> , 2007 , 75,	3.3	2
151	Zeeman and orbital limiting magnetic fields in cuprates: The pseudogap connection 2006 , 66, 219-225		
150	Uncommonly high upper critical field of the pyrochlore superconductor KOs ₂ O ₆ below the enhanced paramagnetic limit. <i>Physical Review B</i> , 2006 , 74,	3.3	29
149	Using qubits to measure fidelity in mesoscopic systems. <i>Physical Review Letters</i> , 2006 , 96, 106801	7.4	27
148	Surface melting of the vortex lattice. <i>Physical Review Letters</i> , 2006 , 96, 177001	7.4	6
147	Unusual upper critical field in the pyrochlore KOs ₂ O ₆ . <i>Journal of Physics: Conference Series</i> , 2006 , 51, 295-298	0.3	
146	Publisher's Note: Dissociation of Vortex Stacks into Fractional-Flux Vortices [Phys. Rev. Lett. 94, 097001 (2005)]. <i>Physical Review Letters</i> , 2005 , 94,	7.4	8
145	Mean-field glass transition in a model liquid. <i>Physical Review E</i> , 2005 , 72, 021502	2.4	4
144	Wave function collapse in a mesoscopic device. <i>Physical Review B</i> , 2005 , 71,	3.3	4
143	Entanglement in a noninteracting mesoscopic structure. <i>Physical Review B</i> , 2005 , 71,	3.3	39
142	Generating spin-entangled electron pairs in normal conductors using voltage pulses. <i>Physical Review B</i> , 2005 , 72,	3.3	28
141	Dissociation of vortex stacks into fractional-flux vortices. <i>Physical Review Letters</i> , 2005 , 94, 097001	7.4	33

140	SEPARATED SPIN AND CHARGE DEGREES OF FREEDOM IN HIGH-T _c SUPERCONDUCTORS. <i>International Journal of Modern Physics B</i> , 2005 , 19, 193-197	1.1	1
139	Decoherence in superconducting quantum bits by phonon radiation. <i>Physical Review Letters</i> , 2004 , 93, 057001	7.4	31
138	Quantum fluctuations in thin superconducting wires of finite length. <i>Physical Review Letters</i> , 2004 , 92, 067007	7.4	57
137	Entanglement in mesoscopic structures: Role of projection. <i>Physical Review B</i> , 2004 , 69,	3.3	38
136	Weak to strong pinning crossover. <i>Physical Review Letters</i> , 2004 , 92, 067009	7.4	97
135	Superconducting tetrahedral quantum bits: Emulation of a noise-resistant spin-12 system. <i>Physical Review B</i> , 2004 , 70,	3.3	11
134	Phase separation of atomic Bose-Fermi mixtures in an optical lattice. <i>Physical Review A</i> , 2004 , 69,	2.6	42
133	Zeeman and orbital limiting fields: Separated spin and charge degrees of freedom in cuprate superconductors. <i>Physical Review B</i> , 2004 , 69,	3.3	14
132	Surface effects on the pancake vortex phase diagram. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 404, 119-122	1.3	
131	Peak effect at the weak to strong pinning crossover. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 404, 209-214	1.3	8
130	Superconducting tetrahedral quantum bits. <i>Physical Review Letters</i> , 2004 , 92, 098301	7.4	12
129	Pseudogap state in overdoped Bi ₂ Sr ₂ CaCu ₂ O _{8+y} . <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 387, 169-174	1.3	2
128	Commensurate-incommensurate transition of cold atoms in an optical lattice. <i>Physical Review Letters</i> , 2003 , 90, 130401	7.4	102
127	From Frustrated Ising Models to Quantum Computing. <i>Springer Proceedings in Physics</i> , 2003 , 75-88	0.2	
126	Vortex viscosity in the moderately clean limit of layered superconductors. <i>Physical Review B</i> , 2003 , 67,	3.3	2
125	Optical resonances in reflectivity due to crystal modes with spatial dispersion. <i>Physical Review B</i> , 2003 , 68,	3.3	6
124	Supersolid versus phase separation in atomic bose-fermi mixtures. <i>Physical Review Letters</i> , 2003 , 91, 130404	7.4	149
123	Unconventionally large quantum-dissipative gap regime in overdoped Bi ₂ Sr ₂ CaCu ₂ O _{8+y} . <i>Physical Review B</i> , 2003 , 67,	3.3	36

122	Vortex Matter 2003 , 725-936		6
121	Topologically protected quantum bits using Josephson junction arrays. <i>Nature</i> , 2002 , 415, 503-6	50.4	163
120	Minigap in a long disordered SNS junction: Analytical results. <i>Physical Review B</i> , 2002 , 66,	3.3	17
119	Spontaneous magnetic moments in clean normal-metal-Superconductor proximity layers. <i>Physical Review B</i> , 2002 , 65,	3.3	3
118	Quantum collective creep: A quasiclassical Langevin equation approach. <i>Physical Review B</i> , 2002 , 66,	3.3	13
117	Interaction of vortices in superconductors with ℓ close to $1/2$. <i>Physical Review B</i> , 2002 , 65,	3.3	23
116	Bell inequalities and entanglement in solid-state devices. <i>Physical Review B</i> , 2002 , 66,	3.3	185
115	Electronic entanglement in the vicinity of a superconductor. <i>European Physical Journal B</i> , 2001 , 24, 287-299		259
114	Quantum computing with superconducting phase qubits. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 352, 105-109	1.3	1
113	Superfluidity versus Bloch oscillations in confined atomic gases. <i>Physical Review Letters</i> , 2001 , 87, 100403	3.4	36
112	Velocity-force characteristics of a driven interface in a disordered medium. <i>Physical Review B</i> , 2001 , 63,	3.3	28
111	Marginal pinning of vortices at high temperature. <i>Physical Review B</i> , 2001 , 64,	3.3	9
110	Interference effects in isolated Josephson junction arrays with geometric symmetries. <i>Physical Review B</i> , 2001 , 65,	3.3	18
109	Design aspects of superconducting-phase quantum bits. <i>Physical Review B</i> , 2001 , 63,	3.3	147
108	Supercurrents through gated superconductor-normal-metal-superconductor contacts: The Josephson transistor. <i>Physical Review B</i> , 2001 , 63,	3.3	15
107	Vortex collisions: crossing or recombination?. <i>Physical Review Letters</i> , 2001 , 86, 5132-5	7.4	20
106	Vortices in weakly coupled layered superconductors. <i>Physica B: Condensed Matter</i> , 2000 , 280, 220-224	2.8	7
105	Anisotropy-enhanced vortex pinning by randomly splayed extended defects in high-Tc superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 335, 144-147	1.3	8

104	Melting and decoupling in the vortex system of layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 332, 66-70	1.3	4
103	Casimir force between two half spaces of vortex matter in anisotropic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 332, 402-404	1.3	1
102	Quantum decay of a superflow through a weak link in a thin tube. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 332, 437-439	1.3	1
101	Schrodinger's cat is now fat. <i>Nature</i> , 2000 , 406, 25-6	50.4	18
100	Andreev Spectroscopy for Superconducting Phase Qubits. <i>Journal of Low Temperature Physics</i> , 2000 , 118, 805-816	1.3	11
99	Supercurrent quantization in narrow-channel superconductor-normal-metal-superconductor junctions. <i>Physical Review B</i> , 2000 , 62, 3559-3564	3.3	19
98	Evaporation of the pancake-vortex lattice in weakly coupled layered superconductors. <i>Physical Review Letters</i> , 2000 , 84, 2698-701	7.4	32
97	Marginal pinning of quenched random polymers. <i>Physical Review B</i> , 2000 , 62, 14032-14039	3.3	6
96	From microscopic theory to Boltzmann kinetic equation: Application to vortex dynamics. <i>Physical Review B</i> , 1999 , 59, 14663-14673	3.3	15
95	Singularities of the renormalization-group flow for random elastic manifolds. <i>Physical Review B</i> , 1999 , 59, 32-33	3.3	4
94	Paramagnetic Instability at Normal-Metal-Superconductor Interfaces. <i>Physical Review Letters</i> , 1999 , 82, 3336-3339	7.4	44
93	Nonlocality in mesoscopic Josephson junctions with strip geometry. <i>Physical Review B</i> , 1999 , 59, R9027-R9030	3.3	26
92	Renormalization-group analysis of weak collective pinning in type-II superconductors. <i>Physical Review B</i> , 1999 , 59, 11551-11562	3.3	6
91	Comment on Orbital Paramagnetism of Electrons in Proximity to a Superconductor. <i>Physical Review Letters</i> , 1999 , 82, 1796-1796	7.4	10
90	Defect-Unbinding Transition in Layered Superconductors. <i>Physical Review Letters</i> , 1999 , 83, 5358-5361	7.4	21
89	Exact Free Energy Distribution Function of a Randomly Forced Directed Polymer. <i>Physical Review Letters</i> , 1999 , 82, 2705-2708	7.4	16
88	Casimir force between vortex matter in anisotropic and layered superconductors. <i>Physical Review B</i> , 1999 , 59, 11990-12000	3.3	4
87	Environmentally decoupled sds -wave Josephson junctions for quantum computing. <i>Nature</i> , 1999 , 398, 679-681	50.4	369

- 86 Hall Tunneling of Vortices in Superclean Superconductors. *Journal of Superconductivity and Novel Magnetism*, **1999**, 12, 835-837
- 85 Dynamics and effective actions of BCS superconductors. *European Physical Journal B*, **1999**, 10, 131-143 1.2 37
- 84 Statistical Mechanics of Vortex Lines **1999**, 435-463
- 83 Nonlinear transport through NS junctions due to imperfect Andreev reflection. *JETP Letters*, **1998**, 68, 599-605 1.2 1
- 82 Finite-voltage shot noise in normal-metal-superconductor junctions. *Physical Review B*, **1998**, 58, 11177-11180 1.3 18
- 81 Metastability of (d+n)-dimensional elastic manifolds. *Physical Review B*, **1998**, 58, 5486-5492 3.3 13
- 80 Diffusion and creep of a particle in a random potential. *Physical Review B*, **1998**, 58, 213-217 3.3 17
- 79 (4+N)-dimensional elastic manifolds in random media: A renormalization-group analysis. *Physical Review B*, **1998**, 57, 7642-7652 3.3 19
- 78 Vortex motion in charged and neutral superfluids: A hydrodynamic approach. *Physical Review B*, **1998**, 57, 575-581 3.3 70
- 77 Numerical study of vortex matter using the Bose model: First-order melting and entanglement. *Physical Review B*, **1998**, 58, 14556-14571 3.3 35
- 76 Lower Critical Field H_{c1} and Barriers for Vortex Entry in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ Crystals. *Physical Review Letters*, **1998**, 81, 3231-3234 7.4 50
- 75 Characteristics of First-Order Vortex Lattice Melting: Jumps in Entropy and Magnetization. *Physical Review Letters*, **1998**, 80, 837-840 7.4 57
- 74 Thermal Suppression of Strong Pinning. *Physical Review Letters*, **1998**, 81, 906-909 7.4 8
- 73 Thermally activated Hall creep of flux lines from a columnar defect. *Physical Review B*, **1998**, 57, 3577-3585 3.3 5
- 72 Thermodynamics of the first-order vortex lattice melting transition in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ *Physical Review B*, **1998**, 57, 14498-14506 3.3 12
- 71 Quantum depinning of a pancake vortex from a columnar defect. *Physical Review B*, **1998**, 57, 3586-3592 3.3 19
- 70 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 7.4 31
- 69 Vortices and 2D Bosons: A Path-Integral Monte Carlo Study. *Physical Review Letters*, **1997**, 79, 1925-1928 7.4 68

68	Magnetic breakdown in a normal-metal/superconductor proximity sandwich. <i>Physical Review B</i> , 1997 , 56, 14102-14107	3.3	30
67	Decay of metastable states: Sharp transition from quantum to classical behavior. <i>Physical Review B</i> , 1997 , 56, 3130-3139	3.3	65
66	Deformations and dynamics of an elastic string in a periodic potential. <i>Physical Review B</i> , 1997 , 56, 416-424	3.3	3
65	Role of electromagnetic coupling in the low-field phase diagram of Bi ₂ Sr _{1.85} Cu ₂ O ₈ + δ . <i>Physical Review B</i> , 1997 , 55, 5666-5669	3.3	36
64	Nonlinearity in normal-metal/superconductor transport: Scattering-matrix approach. <i>Physical Review B</i> , 1997 , 55, 3146-3154	3.3	39
63	Superfast Vortex Creep in YBa ₂ Cu ₃ O ₇ Crystals with Columnar Defects: Evidence for Variable-Range Vortex Hopping. <i>Physical Review Letters</i> , 1997 , 78, 3181-3184	7.4	88
62	Vortices in d-wave superconductors. <i>Physica B: Condensed Matter</i> , 1997 , 230-232, 932-934	2.8	
61	Relaxation rates of flux-lines and flux-pancakes in the presence of correlated disorder. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 276, 42-56	1.3	1
60	Vortex matter. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 19-26	1.3	25
59	Van der Waals attraction of vortices in superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 319-322	1.3	1
58	Temperature dependence of the lower critical field H _{c1} in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 1301-1302	1.3	5
57	Vortices in d-wave superconductors. <i>Physical Review B</i> , 1996 , 54, 9385-9398	3.3	41
56	Dynamics of vortices pinned by columnar defects in YBa ₂ Cu ₃ O ₇ crystals. <i>European Physical Journal D</i> , 1996 , 46, 1661-1662		1
55	Low-field vortex dynamics over seven time decades in a Bi ₂ 212 single crystal. <i>European Physical Journal D</i> , 1996 , 46, 1725-1726		
54	Classical and quantum creep of vortices from columnar defects. <i>European Physical Journal D</i> , 1996 , 46, 1739-1740		3
53	Renormalization group analysis of weak collective pinning. <i>European Physical Journal D</i> , 1996 , 46, 1815-1816		1
52	Path integral monte carlo simulation of vortices. <i>European Physical Journal D</i> , 1996 , 46, 1817-1818		1
51	Van der Waals attraction between vortices in HTSC. <i>European Physical Journal D</i> , 1996 , 46, 1827-1828		

50	Vortex charge in type II superconductors. <i>European Physical Journal D</i> , 1996 , 46, 909-910		
49	Low-field phase diagram of layered superconductors: The role of electromagnetic coupling. <i>Physical Review B</i> , 1996 , 54, 72-75	3.3	133
48	Electrostatics of Vortices in Type-II Superconductors. <i>Physical Review Letters</i> , 1996 , 77, 566-569	7.4	77
47	Van der Waals Attraction of Vortices in Anisotropic and Layered Superconductors. <i>Physical Review Letters</i> , 1996 , 77, 4958-4961	7.4	33
46	Phase diagram of Bi ₂ .15Sr _{1.85} CaCu ₂ O ₈ + δ in the presence of columnar defects. <i>Physical Review B</i> , 1996 , 54, 6129-6132	3.3	30
45	Quantum depinning of vortices in type-II superconductors. <i>Physical Review B</i> , 1996 , 54, 13330-13338	3.3	1
44	Low-field vortex dynamics over seven time decades in a Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ single crystal for temperatures 13 . <i>Physical Review B</i> , 1996 , 53, 9286-9295	3.3	68
43	Strong Pinning and Plastic Deformations of the Vortex Lattice. <i>Physical Review Letters</i> , 1996 , 77, 4636-4639	3.3	23
42	Creep of vortices from columnar defects. <i>Physical Review B</i> , 1996 , 54, R784-R787	3.3	20
41	Vortex dynamics and the Hall anomaly: A microscopic analysis. <i>Physical Review Letters</i> , 1995 , 75, 3736-3739	3.3	124
40	Quantum intrinsic Hall creep. <i>Physical Review B</i> , 1995 , 52, 10581-10587	3.3	7
39	Sound attenuation by helicon modes in high-T _c superconductors. <i>Physical Review B</i> , 1995 , 52, 4588-4591	3.3	12
38	Krusin-Elbaum, Blatter, and Civalé reply. <i>Physical Review Letters</i> , 1995 , 75, 187	7.4	7
37	Correlation of flux lines in single-crystal Bi ₂ Sr ₂ CaCu ₂ O ₈ with columnar defects. <i>Physical Review B</i> , 1995 , 52, 6913-6919	3.3	50
36	Vortex entanglement and broken symmetry. <i>Physical Review Letters</i> , 1995 , 75, 1380-1383	7.4	18
35	Bose-glass melting in YBaCuO crystals with correlated disorder. <i>Physical Review Letters</i> , 1994 , 72, 1914-1917	7.4	155
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33	Quantum statistical mechanics of vortices in high-temperature superconductors. <i>Physical Review B</i> , 1994 , 50, 10272-10286	3.3	61

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30	Hall tunneling of vortices. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2963-2964	1.3	
29	Quantum statistical and dynamical effects in vortex systems. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 41-44	1.3	2
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18	From isotropic to anisotropic superconductors: A scaling approach. <i>Physical Review Letters</i> , 1992 , 68, 875-878	7.4	555
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16	Vortex pinning by twin boundaries in copper oxide superconductors. <i>Physical Review B</i> , 1991 , 43, 7826-7830	3.3	93
15	Exact solution of the t-J model in one dimension at $2t=\pm J$: Ground state and excitation spectrum. <i>Physical Review B</i> , 1991 , 44, 130-154	3.3	162

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13	Kosterlitz-Thouless transition in the smectic vortex state of a layered superconductor. <i>Physical Review Letters</i> , 1991 , 66, 2392-2395	7.4	71
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