

# Marcin Konczykowski

## 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.

293  
papers

8,441  
citations

47  
h-index

84  
g-index

307  
ext. papers

8,877  
ext. citations

4  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
293	Synthesis and characterization of a SbTe/BiTe p-n junction heterostructure via electrodeposition in nanoporous membranes. <i>iScience</i> , <b>2021</b> , 24, 102694	6.1	0
292	High-temperature quantum anomalous Hall regime in a MnBi <sub>2</sub> Te <sub>4</sub> /Bi <sub>2</sub> Te <sub>3</sub> superlattice. <i>Nature Physics</i> , <b>2021</b> , 17, 36-42	16.2	43
291	Probing spin chirality of photoexcited topological insulators with circular dichroism: multi-dimensional time-resolved ARPES on Bi <sub>2</sub> Te <sub>2</sub> Se and Bi <sub>2</sub> Se <sub>3</sub> . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2021</b> , 253, 147125	1.7	0
290	Bridge in micron-sized Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> sample act as converging lens for vortices. <i>Physica C: Superconductivity and Its Applications</i> , <b>2021</b> , 590, 1353948	1.3	
289	/ oscillations in interlayer transport of delafossites. <i>Science</i> , <b>2020</b> , 368, 1234-1238	33.3	6
288	Spin memory of the topological material under strong disorder. <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	5
287	Symmetry of Order Parameters in Multiband Superconductors LaRu <sub>4</sub> As <sub>12</sub> and PrOs <sub>4</sub> Sb <sub>12</sub> Probed by Local Magnetization Measurements. <i>Physical Review Letters</i> , <b>2020</b> , 124, 027001	7.4	3
286	Controlled Introduction of Defects to Delafossite Metals by Electron Irradiation. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	5
285	Electron irradiation effects on superconductivity in PdTe <sub>2</sub> : An application of a generalized Anderson theorem. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	7
284	Suppression of anharmonic phonons and s-wave superconductivity by defects in the filled skutterudite LaRu <sub>4</sub> As <sub>12</sub> . <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	1
283	Mechanical detwinning device for anisotropic resistivity measurements in samples requiring dismounting for particle irradiation. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 073904	1.7	0
282	Non-Gaussian tail in the force distribution: a hallmark of correlated disorder in the host media of elastic objects. <i>Scientific Reports</i> , <b>2020</b> , 10, 19452	4.9	3
281	Entropy jump at the first-order vortex phase transition in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+<math>\delta</math></sub> with columnar defects. <i>Materials Today: Proceedings</i> , <b>2019</b> , 14, 30-33	1.4	
280	Direct visualization of local interaction forces in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+<math>\delta</math></sub> vortex matter. <i>Materials Today: Proceedings</i> , <b>2019</b> , 14, 34-37	1.4	1
279	Bulk defects and surface state dynamics in topological insulators: The effects of electron beam irradiation on the ultrafast relaxation of Dirac fermions in Bi <sub>2</sub> Te <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 025103	2.5	5
278	Competition between orthorhombic and re-entrant tetragonal phases in underdoped Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> probed by the response to controlled disorder. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	3
277	Enhancement of penetration field in vortex matter in mesoscopic superconductors due to Andreev bound states. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	1

276	Interplay between superconductivity and itinerant magnetism in underdoped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ ( $x = 0.2$ ) probed by the response to controlled point-like disorder. <i>Npj Quantum Materials</i> , <b>2019</b> , 4,	5	6
275	Hyperuniform vortex patterns at the surface of type-II superconductors. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	5
274	Unveiling the vortex glass phase in the surface and volume of a type-II superconductor. <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	6
273	Manifestations of Surface States in the Longitudinal Magnetoresistance of an Array of Bi Nanowires. <i>JETP Letters</i> , <b>2018</b> , 107, 192-195	1.2	2
272	Robust $s\pm$ pairing in $\text{CaK}(\text{Fe}_{1-x}\text{Ni}_x)_4\text{As}_4$ ( $x=0$ and $0.05$ ) from the response to electron irradiation. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	13
271	Using controlled disorder to probe the interplay between charge order and superconductivity in $\text{NbSe}$ . <i>Nature Communications</i> , <b>2018</b> , 9, 2796	17.4	43
270	Evidence for s-wave pairing with atomic scale disorder in the van der Waals superconductor $\text{NaSn}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	13
269	Unraveling the Dirac fermion dynamics of the bulk-insulating topological system $\text{Bi}_2\text{Te}_2\text{Se}$ . <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	12
268	Anomalous enhancement of the lower critical field deep in the superconducting state of $\text{LaRu}_4\text{As}_{12}$ . <i>Physica B: Condensed Matter</i> , <b>2018</b> , 536, 813-815	2.8	2
267	Using electron irradiation to probe iron-based superconductors. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 064002	3.1	11
266	Fully gapped superconductivity with no sign change in the prototypical heavy-fermion $\text{CeCuSi}$ . <i>Science Advances</i> , <b>2017</b> , 3, e1601667	14.3	30
265	Impact of Disorder on the Superconducting Phase Diagram in $\text{BaFe}_2(\text{As}_{1-x}\text{Px})_2$ . <i>Journal of the Physical Society of Japan</i> , <b>2017</b> , 86, 083706	1.5	15
264	Excess of topological defects induced by confinement in vortex nanocrystals. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
263	Full-Gap Superconductivity Robust against Disorder in Heavy-Fermion $\text{CeCu}_{2}\text{Si}_{2}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 077001	7.4	24
262	Influence of magnetic domain landscape on the flux dynamics in superconductor/ferromagnet bilayers. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	6
261	$g$ -factors of conduction electrons and holes in $\text{Bi}_2\text{Se}_3$ three-dimensional topological insulator. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	20
260	Vortex matter freezing in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ samples with a very dense distribution of columnar defects. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	5
259	Energy gap evolution across the superconductivity dome in single crystals of $(\text{Ba K})\text{FeAs}$ . <i>Science Advances</i> , <b>2016</b> , 2, e1600807	14.3	38

258	Ultrafast photocurrents at the surface of the three-dimensional topological insulator BiSe. <i>Nature Communications</i> , <b>2016</b> , 7, 13259	17.4	105
257	Stable topological insulators achieved using high energy electron beams. <i>Nature Communications</i> , <b>2016</b> , 7, 10957	17.4	15
256	Manipulating the Topological Interface by Molecular Adsorbates: Adsorption of Co-Phthalocyanine on Bi <sub>2</sub> Se <sub>3</sub> . <i>Nano Letters</i> , <b>2016</b> , 16, 3409-14	11.5	41
255	Effect of Quenched Disorder in the Entropy-Jump at the First-Order Vortex Phase Transition of Bi <sub>2</sub> Sr <sub>2</sub> CaCuO <sub>(8+δ)</sub> . <i>Journal of Low Temperature Physics</i> , <b>2015</b> , 179, 28-34	1.3	1
254	Geometrical Confinement Effects in Layered Mesoscopic Vortex Matter. <i>Journal of Low Temperature Physics</i> , <b>2015</b> , 179, 35-41	1.3	9
253	Size-Induced Depression of First-Order Transition Lines and Entropy Jump in Extremely Layered Nanocrystalline Vortex Matter. <i>Physical Review Letters</i> , <b>2015</b> , 115, 137003	7.4	8
252	Singular robust room-temperature spin response from topological Dirac fermions. <i>Nature Materials</i> , <b>2014</b> , 13, 580-5	27	29
251	Comparative study of the effects of electron irradiation and natural disorder in single crystals of SrFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> superconductor (x=0.35). <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	15
250	Detection of discretized single-shell penetration in mesoscopic vortex matter. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 568, 022010	0.3	2
249	Latent heat and nonlinear vortex liquid in the vicinity of the first-order phase transition in layered high-T <sub>c</sub> superconductors. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	9
248	Negative Hall coefficient of ultrathin niobium in Si/Nb/Si trilayers. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	9
247	Effect of Electron Irradiation on Superconductivity in Single Crystals of Ba(Fe <sub>1-x</sub> Ru <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> (x=0.24). <i>Physical Review X</i> , <b>2014</b> , 4,	9.1	40
246	Effects of electron irradiation on resistivity and London penetration depth of Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> (x=0.34) iron-pnictide superconductor. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	32
245	Disorder-induced topological change of the superconducting gap structure in iron pnictides. <i>Nature Communications</i> , <b>2014</b> , 5, 5657	17.4	65
244	Orbital quantization in a system of edge Dirac fermions in nanoporated graphene. <i>JETP Letters</i> , <b>2013</b> , 98, 214-218	1.2	11
243	Electron irradiation of Co, Ni, and P-doped BaFe <sub>2</sub> As <sub>2</sub> -type iron-based superconductors. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 449, 012023	0.3	21
242	Disorder, critical currents, and vortex pinning energies in isovalently substituted BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	26
241	Testing dependence of anomalous Hall effect on resistivity in SrRuO <sub>3</sub> by its increase with electron irradiation. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	2

240	Tuning vortex confinement by magnetic domains in a superconductor/ferromagnet bilayer. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	11
239	Vortex pinning: A probe for nanoscale disorder in iron-based superconductors. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 1746-1749	2.8	10
238	Anisotropy of strong pinning in multi-band superconductors. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 084010	3.1	30
237	Vortex creep and critical current densities in superconducting (Ba,K)Fe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	14
236	Anisotropy of the coherence length from critical currents in the stoichiometric superconductor LiFeAs. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	19
235	Anomalous low-field diamagnetic response in ultraclean URu <sub>2</sub> Si <sub>2</sub> superconductor. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 273, 012081	0.3	3
234	Enhancement of vortex pinning in superconductor/ferromagnet bilayers via angled demagnetization. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	9
233	Experimental evidence for violation of the fluctuation-dissipation theorem in a superspin glass. <i>Physical Review Letters</i> , <b>2011</b> , 106, 150603	7.4	18
232	Aharonov-bohm effect on multiwall carbon nanotubes under conditions close to strong carrier localization. <i>JETP Letters</i> , <b>2010</b> , 90, 608-611	1.2	1
231	First-order transition in the magnetic vortex matter in superconducting MgB <sub>2</sub> tuned by disorder. <i>Physical Review Letters</i> , <b>2010</b> , 105, 047001	7.4	14
230	Magnetic noise of a frozen ferrofluid. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09E140	2.5	3
229	Flux pinning in PrFeAsO <sub>0.9</sub> and NdFeAsO <sub>0.9</sub> F <sub>0.1</sub> superconducting crystals. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	93
228	Quasiparticle scattering induced by charge doping of iron-pnictide superconductors probed by collective vortex pinning. <i>Physical Review Letters</i> , <b>2010</b> , 105, 267002	7.4	63
227	Aharonov-Bohm effect on columnar defects in thin graphite and graphene. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 248, 012001	0.3	6
226	Anomalous Temperature Dependence of Lower Critical Field in Ultraclean URu <sub>2</sub> Si <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 084705	1.5	14
225	Enhancement of the field of first flux penetration due to Andreev bound states in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S241-S242	1.3	
224	Disorder and flux pinning in superconducting pnictide single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S385-S386	1.3	1
223	Lower critical fields and the anisotropy in PrFeAsO <sub>1-x</sub> single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S485-S486	1.3	

222	Flux-creep and depinning from columnar defects in layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S898-S899	1.3	1
221	Effect of point-like disorder on the vortex phase diagram in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8-x}$ in oblique field. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S257-S258	1.3	1
220	Strongly dissimilar vortex-liquid regimes in single-crystalline $\text{NdFeAs}(\text{O},\text{F})$ and $(\text{Ba},\text{K})\text{Fe}_2\text{As}_2$ : A comparative study. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	25
219	Upper and lower critical magnetic fields of superconducting $\text{NdFeAsO}_{1-x}\text{F}_x$ single crystals studied by Hall-probe magnetization and specific heat. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	46
218	Microwave surface-impedance measurements of the magnetic penetration depth in single crystal $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ superconductors: evidence for a disorder-dependent superfluid density. <i>Physical Review Letters</i> , <b>2009</b> , 102, 207001	7.4	138
217	Noise Measurement of Interacting Ferromagnetic Particles with High Resolution Hall Microprobes <b>2009</b> ,		1
216	Probing the mechanism of interaction of Josephson vortices and pancake vortex lines in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8 + x$ with columnar defects. <i>JETP Letters</i> , <b>2009</b> , 89, 342-344	1.2	2
215	Lower critical fields of superconducting $\text{PrFeAsO}_{1-x}$ single crystals. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	53
214	Novel vortex distribution in the pyrochlore superconductor $\text{KOs}_2\text{O}_6$ . <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 052233	0.3	
213	Vortex lattice melting in the ultraclean heavy-fermion superconductor $\text{URu}_2\text{Si}_2$ . <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 052198	0.3	1
212	Magneto-optical imaging of exotic superconductors. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 012052	0.3	
211	Shear viscosity measurements at the vortex melting transition in confined geometry in optimally doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ . <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 052288	0.3	1
210	Vortex matter in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ with pointlike disorder. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 052119	0.3	4
209	A local noise measurement device for magnetic physical systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2009</b> , 2009, P01027	1.9	3
208	Structure and Magnetic Characterization of $\text{BiFeO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ Bilayers. <i>Acta Physica Polonica A</i> , <b>2009</b> , 115, 95-97	0.6	6
207	Influence of spatial variations in the lower critical field on the equilibrium field penetration into superconductors. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	7
206	Flux line lattice melting and the formation of a coherent quasiparticle Bloch state in the ultraclean $\text{URu}_2\text{Si}_2$ superconductor. <i>Physical Review Letters</i> , <b>2008</b> , 100, 037004	7.4	26
205	Local magnetization study of the first-order superconducting transition in $\text{CeCoIn}_5$ . <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 3208-3210	3.9	

204	Vortex lattice melting in the heavy-fermion superconductor URu <sub>2</sub> Si <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2008</b> , 468, 1258-1261	1.3	1
203	Local magnetization measurements of the first-order transition of CeCoIn <sub>5</sub> . <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 871-873	2.8	
202	Vortex Dynamics in Ferromagnetic/Superconducting Bilayers. <i>Acta Physica Polonica A</i> , <b>2008</b> , 114, 23-28	0.6	
201	Vortex liquid correlations induced by in-plane field in underdoped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 1218-1219	1.3	1
200	Effect of pulsed UV laser irradiation on the properties of crystalline YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7<math>\delta</math></sub> thin films. <i>Superconductor Science and Technology</i> , <b>2007</b> , 20, 433-440	3.1	3
199	In-plane field-induced vortex liquid correlations in underdoped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	2
198	Vortex redistribution below the first-order transition temperature in the beta-pyrochlore superconductor KOs <sub>2</sub> O <sub>6</sub> . <i>Physical Review Letters</i> , <b>2007</b> , 99, 257001	7.4	12
197	Dynamic and thermodynamic properties of porous vortex matter in Bi <sub>2</sub> (Sr <sub>2</sub> )CaCu <sub>2</sub> O <sub>8</sub> in an oblique magnetic field. <i>Physical Review Letters</i> , <b>2007</b> , 99, 087001	7.4	17
196	High-field superconducting transition of CeCoIn <sub>5</sub> studied by local magnetic induction measurements. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	12
195	Dependence of maximum static friction on waiting time using dynamics of vortices in superconductors. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 89, 012021	0.3	2
194	Flux Penetration in a Ferromagnetic/Superconducting Bilayer. <i>Acta Physica Polonica A</i> , <b>2007</b> , 111, 95-98	0.6	2
193	Melting of heterogeneous vortex matter: The vortex $\delta$ -an liquid <b>2006</b> , 66, 43-54		1
192	Composite to tilted vortex lattice transition in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ in oblique fields. <i>Physical Review Letters</i> , <b>2006</b> , 97, 237005	7.4	18
191	Slowing down the Josephson vortex lattice in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ with pancake vortices. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	13
190	Vortex Pinning in Ferromagnet/Superconductor Bilayers - the Dependence on the Ferromagnetic Layer and Temperature. <i>Acta Physica Polonica A</i> , <b>2006</b> , 109, 451-456	0.6	2
189	Thermodynamics of the vortex liquid in heavy-ion-irradiated superconductors. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	6
188	Conductance in multiwall carbon nanotubes and semiconductor nanowires. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	14
187	Vortex correlations in the liquid states of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ with tilted columnar defects. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	8

186	Josephson plasma resonance in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> with spatially dependent interlayer phase coherence. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	12
185	Vortex nanoliquid in high-temperature superconductors. <i>Physical Review Letters</i> , <b>2004</b> , 93, 097002	7-4	38
184	Direct transition from Bose glass to normal state in the (K,Ba)BiO <sub>3</sub> superconductor. <i>Physical Review Letters</i> , <b>2004</b> , 92, 037005	7-4	7
183	Geometrical barriers and lower critical field in MgB <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	22
182	Vortex-lattice melting front in thin superconductors with pinning. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	5
181	Spin transfer by spin injection between both interfaces of a Ni nanowire. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 4490-4493	2-5	4
180	Amorphous Vortex Phase in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> After the First Order Liquid-Solid Phase Transition. <i>Journal of Low Temperature Physics</i> , <b>2004</b> , 135, 139-142	1-3	1
179	Flux lenses in the crossing lattices regime of layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 404, 99-102	1-3	5
178	Origin of linear extended defects in single crystalline Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 25-26	1-3	7
177	Porous vortex matter. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 495-498	1-3	3
176	Persistence of the intrinsic transition in the vortex matter of disordered BSCCO:2212 crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 547-548	1-3	2
175	Vortex solid-liquid transition in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+<math>\delta</math></sub> with a high density of strong pins. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	8
174	Superconducting Pinning by Magnetic Domains in a Ferromagnet-Superconductor Bilayer. <i>Acta Physica Polonica A</i> , <b>2004</b> , 106, 693-698	0.6	3
173	First Order Transition of the Vortex Lattice in Disordered Bi-2212 Crystals <b>2004</b> , 79-86		
172	Study of Excimer Laser Irradiation Effects on Properties of Crystalline YBaCuO Thin Films. <i>Acta Physica Polonica A</i> , <b>2004</b> , 106, 681-685	0.6	
171	Josephson plasma resonance in partially irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 388-389, 423-424	1-3	
170	Effect of heavy-ion irradiation on the pinning properties of MgB <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 388-389, 167-168	1-3	19
169	Microwave response in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> with spatially distributed interlayer phase coherence. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 392-396, 378-381	1-3	



168	Anisotropic enhancement of superconductivity in heavy-ion irradiated (K, Ba)BiO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2003</b> , 90, 037004	7.4	9
167	Melting of "porous" vortex matter. <i>Physical Review Letters</i> , <b>2003</b> , 90, 087004	7.4	60
166	First-order phase transition from the vortex liquid to an amorphous solid. <i>Physical Review Letters</i> , <b>2003</b> , 90, 147001	7.4	43
165	Vortex fluctuations in underdoped Bi(2)Sr(2)CaCu(2)O(8+delta) crystals. <i>Physical Review Letters</i> , <b>2003</b> , 90, 137002	7.4	27
164	Vortex quasicrystalline-disordered solid transition in strongly underdoped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> single crystals. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 319, 303-309	2.8	
163	Josephson plasma resonance in half-irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 367, 400-403	1.3	2
162	First-order disorder-driven transition and inverse melting of the vortex lattice. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 369, 36-44	1.3	8
161	Josephson plasma resonance in underdoped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 369, 236-239	1.3	5
160	Strong pinning by correlated and point disorder in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> thin films. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 369, 240-244	1.3	1
159	The Bose-glass transition in underdoped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> crystals with columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 369, 278-281	1.3	1
158	Magnetization behavior of MgB <sub>2</sub> and the effect of high energy heavy-ion irradiation. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 378-381, 466-469	1.3	19
157	Mixing of longitudinal and transverse plasma modes in half-irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 378-381, 546-549	1.3	1
156	Quasiparticle structure in the vortex state of anisotropic s-wave superconductor YNi <sub>2</sub> B <sub>2</sub> C. <i>Journal of Physics and Chemistry of Solids</i> , <b>2002</b> , 63, 991-993	3.9	1
155	Self-doping caused by oxygen displacements in heavy-ion-irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> crystals. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	4
154	Superconducting properties of strongly underdoped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> single crystals. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	23
153	Strong pinning in high-temperature superconducting films. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	170
152	Visualization of Magnetic Structures in Superconductors and Magnetic Materials using Magneto-Optical Garnet Films. <i>Transactions of the Magnetism Society of Japan</i> , <b>2002</b> , 2, 244-247		4
151	Radio frequency vortex dynamics in heavy ion irradiated (Bi <sub>1-x</sub> Bb <sub>x</sub> ) <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub> superconducting platelets. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 349, 155-165	1.3	1

150	Study of flux dynamics in NdBCO single crystal before and after heavy ions irradiation. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 354, 309-312	1.3	1
149	Heat capacity of YNi <sub>2</sub> B <sub>2</sub> C in the vortex state: evidence of the extended s-wave state. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 357-360, 513-516	1.3	
148	Vortex states in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> with tilted columnar defects probed by Josephson plasma resonance. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 362, 239-243	1.3	
147	'Inverse' melting of a vortex lattice. <i>Nature</i> , <b>2001</b> , 411, 451-4	50.4	251
146	Negative deviations from Matthiessen's rule for SrRuO <sub>3</sub> and CaRuO <sub>3</sub> . <i>Europhysics Letters</i> , <b>2001</b> , 55, 532-538	1.6	8
145	Modification of flux pinning properties of RE-Ba-Cu-O superconductor by fast-neutron and heavy-ion irradiation. <i>Superconductor Science and Technology</i> , <b>2001</b> , 14, 663-665	3.1	5
144	Defect-unbinding and the Bose-glass transition in layered superconductors. <i>Physical Review Letters</i> , <b>2001</b> , 86, 5136-9	7.4	29
143	Suppression of surface barriers for flux penetration in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ whiskers by electron and heavy ion irradiation. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	20
142	Low energy quasiparticle excitation in the vortex state of borocarbide superconductor yni <sub>2</sub> b <sub>2</sub> c. <i>Physical Review Letters</i> , <b>2001</b> , 86, 1327-30	7.4	76
141	Current-induced decoupling of vortices in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physica B: Condensed Matter</i> , <b>2000</b> , 284-288, 685-686	2.8	2
140	Interaction between columnar defects and pancake vortices in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> studied by Josephson plasma resonance. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 973-976	1.3	
139	Current-enhanced anisotropy of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> in the mixed state. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 985-986	1.3	
138	Interplay of pancake vortices and columnar defects in heavy-ion irradiated Bi-2212. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1167-1168	1.3	1
137	Magnetic relaxation in the Bragg-glass phase in BSCCO. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1279-1280	1.3	4
136	Magnetization decay due to vortex phase boundary motion in BSCCO. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1317-1318	1.3	15
135	Supercooling of the high field vortex phase in single crystalline BSCCO. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1319-1320	1.3	1
134	Melting of regular and decoupled vortex lattices in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1213-1214	1.3	12
133	Gigantic surface pinning created by columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1251-1252	1.3	7

132	Magnetic relaxation in the vicinity of second magnetization peak in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 332, 219-224	1.3	14
131	Imaging the vortex-lattice melting process in the presence of disorder. <i>Nature</i> , <b>2000</b> , 406, 282-7	50.4	202
130	Entropy, vortex interactions and the phase diagram of heavy-ion irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 332, 178-186	1.3	2
129	Modification of flux pinning properties of RE-Ba-Cu-O superconductor by irradiation. <i>Superconductor Science and Technology</i> , <b>2000</b> , 13, 749-752	3.1	9
128	Vortex phases and c-axis correlation in as-grown and heavy ion irradiated Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub> +δ tapes: a flux transformer experiment. <i>Superconductor Science and Technology</i> , <b>2000</b> , 13, 337-342	3.1	
127	Supercooling of the disordered vortex lattice in Bi(2)Sr(2)CaCu(2)O(8+δ). <i>Physical Review Letters</i> , <b>2000</b> , 84, 4196-9	7.4	111
126	Shear-induced vortex decoupling in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> crystals. <i>Physical Review B</i> , <b>2000</b> , 61, R9261-R9264	3.3	12
125	Bose-glass melting in the cubic (K,Ba)BiO <sub>3</sub> high-T <sub>c</sub> oxide with columnar defects. <i>Physical Review B</i> , <b>2000</b> , 61, R3830-R3833	3.3	20
124	Influence of electromagnetic anisotropy on the flux-pinning strength of columnar defects in Bi <sub>2.2</sub> Pb <sub>x</sub> Sr <sub>1.8</sub> CaCu <sub>2.0</sub> O <sub>y</sub> . <i>Physical Review B</i> , <b>2000</b> , 62, 1452-1456	3.3	24
123	Do columnar defects produce bulk pinning?. <i>Physical Review Letters</i> , <b>2000</b> , 84, 1792-5	7.4	31
122	Entropy, vortex interactions, and the phase diagram of heavy-ion-irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> <i>Physical Review B</i> , <b>2000</b> , 61, 4259-4269	3.3	40
121	Angular Dependence of Josephson Plasma Resonance in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> with Columnar Defects <b>2000</b> , 302-307		
120	Magnetization Behavior of BSCCO with Various Configuration of Columnar Defects <b>2000</b> , 311-313		
119	Tuning the pinning energy in layered superconductors. <i>Physical Review B</i> , <b>1999</b> , 59, 13612-13615	3.3	18
118	Comparison of magnetic field profiles of Ag/BSCCO-2223 tapes carrying AC and DC currents. <i>IEEE Transactions on Applied Superconductivity</i> , <b>1999</b> , 9, 2557-2560	1.8	7
117	Partial filling of columnar defects by vortices as seen in measurements of the c-axis critical current of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> <i>Physical Review B</i> , <b>1999</b> , 60, 12480-12484	3.3	11
116	Josephson coupling in the vortex-liquid state of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> with columnar defects. <i>Physical Review B</i> , <b>1999</b> , 59, 8970-8977	3.3	21
115	Effects of granularity and strong pinning on high frequency vortex dynamics in (BiPb) <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub> superconducting platelets. <i>Solid State Communications</i> , <b>1999</b> , 113, 109-113	1.6	1

114	Flux Flow Resistance and Transmittivity in Overdoped $Tl_2Ba_2CuO_6$ □ <i>Journal of Low Temperature Physics</i> , <b>1999</b> , 117, 1193-1197	1.3	2
113	Enhancement of Interlayer Phase Coherence in the Vortex Liquid State of $Bi_2Sr_2CaCu_2O_{8+y}$ with Columnar Defects. <i>Journal of Low Temperature Physics</i> , <b>1999</b> , 117, 1363-1367	1.3	1
112	Nature of Vortex Liquid in Heavy-Ion Irradiated $Bi_2Sr_2CaCu_2O_{8+y}$ <b>1999</b> , 571-574		1
111	Lindemann criterion and vortex-matter phase transitions in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1998</b> , 295, 209-217	1.3	190
110	Magnetic studies on the field-driven transition from decoupled to coupled pancake vortex phase in $Bi_2Sr_2CaCu_2O_8$ □ with columnar defects. <i>Physical Review B</i> , <b>1998</b> , 57, 14507-14510	3.3	35
109	Effect of columnar defects on the vortex-solid melting transition in $Bi_2Sr_2CaCu_2O_8$ . <i>Physical Review B</i> , <b>1998</b> , 57, R14088-R14091	3.3	30
108	Equilibrium magnetization in heavy-ion-irradiated $Bi_2Sr_2CaCu_2O_8$ probed by torque and SQUID magnetometry. <i>Physical Review B</i> , <b>1998</b> , 58, R615-R618	3.3	25
107	Vortex Phase Diagram in Heavy-Ion Irradiated $Bi_2Sr_2CaCu_2O_{8+y}$ Studied by Josephson Plasma Resonance <b>1998</b> , 473-476		2
106	Magnetic Properties of $Nd^{123}$ Irradiated by 5.8 GeV Pb-ions <b>1998</b> , 477-480		2
105	Influence of Columnar Defects on the Reversible Magnetization of $Bi_2212$ <b>1998</b> , 95-98		
104	Vortex-matter phase transitions in $Bi_2Sr_2CaCu_2O_8$ : Effects of weak disorder. <i>Physical Review B</i> , <b>1997</b> , 56, R517-R520	3.3	136
103	Angular dependence of the first-order vortex-lattice phase transition in $Bi_2Sr_2CaCu_2O_8$ . <i>Physical Review B</i> , <b>1997</b> , 55, R8705-R8708	3.3	40
102	Konczykowski and Samoilov Reply:. <i>Physical Review Letters</i> , <b>1997</b> , 78, 1830-1830	7.4	5
101	Recoupling of Decoupled Vortex Liquid by Columnar Defects in $Bi_2Sr_2CaCu_2O_{8+y}$ . <i>Physical Review Letters</i> , <b>1997</b> , 79, 3759-3762	7.4	71
100	Resistive evidence for vortex-lattice sublimation in $Bi_2Sr_2CaCu_2O_8$ . <i>Physical Review B</i> , <b>1997</b> , 55, R6156-R6160	3.3	53
99	Coupling Transition of the Vortex Liquid in $Bi_2Sr_2CaCu_2O_8$ □ with Columnar Defects. <i>Physical Review Letters</i> , <b>1997</b> , 79, 3763-3766	7.4	55
98	Sublimation and hysteretic transition of the vortex-lattice in $Bi_2Sr_2CaCu_2O_8$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2023-2024	1.3	3
97	Bose-glass and entanglement - disentanglement transitions in $YBa_2Cu_3O_7$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2053-2054	1.3	

96	Effects of correlated disorder on vortex-lattice melting in BSCCO. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2067-2068	1.3	2
95	Influence of columnar defects on interlayer coherence in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ from Josephson plasma resonance. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2073-2074	1.3	
94	Comparative study of the flux pinning by columnar defects in high-T <sub>c</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2143-2144	1.3	7
93	Bulk pinning by planar defects in Ti-doped Bi-2212 single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2241-2242	1.3	3
92	Local magnetic measurement of strong pinning by columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2189-2190	1.3	1
91	Josephson plasma resonance in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ with columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2427-2428	1.3	
90	Geometrical and distributed surface barriers in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 291, 113-131	1.3	47
89	Local magnetic relaxation close to the second peak in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2259-2260	1.3	7
88	Vortex matter phase transitions in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 323-326	1.3	7
87	Interlayer phase coherence in the vortex state of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ proved by Josephson plasma resonance. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 391-394	1.3	
86	Intrinsic and disorder-induced anisotropic vortex dynamics of high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 1943-1944	1.3	
85	Investigation of the current-induced nonlinear vortex dynamics in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals using transport and transmittivity measurements. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 1947-1948	1.3	3
84	Angular dependence of the first-order vortex-lattice phase transition in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2045-2046	1.3	
83	The equilibrium vortex state in heavy-ion irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2101-2102	1.3	1
82	Interlayer Josephson coupling of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ with columnar defects proved by plasma resonance. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 293, 208-211	1.3	3
81	Phase coherence along the c-axis in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ with columnar defects probed by Josephson plasma resonance. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 293, 224-228	1.3	1
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79	Phase diagram of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> in the mixed state: effects of anisotropy and disorder. <i>European Physical Journal D</i> , <b>1996</b> , 46, 3218-3224		8

78	Angular anisotropy of the irreversibility line in thin YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films: pinning in vortex liquid. <i>European Physical Journal D</i> , <b>1996</b> , 46, 1535-1536		
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75	Resistivity onset at the first-order vortex-lattice phase transition in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>European Physical Journal D</i> , <b>1996</b> , 46, 1583-1584		2
74	Influence of columnar defects on the thermodynamic properties of BSCCO. <i>European Physical Journal D</i> , <b>1996</b> , 46, 1655-1656		1
73	Observation of defect-independent ab-plane vortex dynamics in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals with the third harmonic transmittivity measurements. <i>European Physical Journal D</i> , <b>1996</b> , 46, 1659-1660		1
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71	Experimental investigations of the critical vortex dynamics in extreme type-II superconductors with controlled static disorder. <i>Ferroelectrics</i> , <b>1996</b> , 177, 143-159	0.6	4
70	Origin of the irreversibility line in thin YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -delta films with and without columnar defects. <i>Physical Review B</i> , <b>1996</b> , 54, 15530-15536	3.3	19
69	Upper limit of the Bose-glass transition in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> at high density of columnar defects. <i>Physical Review Letters</i> , <b>1996</b> , 76, 2798-2801	7.4	48
68	Upper Limit of the Bose-Glass Transition in YB <sub>2</sub> C <sub>3</sub> O <sub>7</sub> at High Density of Columnar Defects. <i>Physical Review Letters</i> , <b>1996</b> , 77, 981-981	7.4	4
67	Simultaneous resistivity onset and first-order vortex-lattice phase transition in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>1996</b> , 54, R796-R799	3.3	58
66	Paramagnetic ac susceptibility at the first-order vortex-lattice phase transition. <i>Physical Review B</i> , <b>1996</b> , 54, R3784-R3787	3.3	54
65	Large effect of columnar defects on the thermodynamic properties of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> single crystals. <i>Physical Review B</i> , <b>1996</b> , 54, R792-R795	3.3	52
64	ANISOTROPIC VORTEX DYNAMICS AND PHASE DIAGRAM OF YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> SINGLE CRYSTALS WITH CANTED COLUMNAR DEFECTS. <i>International Journal of Modern Physics B</i> , <b>1996</b> , 10, 2723-2743	1.1	10
63	Flux Lattice Melting and Dimensional Crossover in Bi-2212 Single Crystals. <i>Journal De Physique, I</i> , <b>1996</b> , 6, 2327-2354		16
62	Thermodynamic observation of first-order vortex-lattice melting transition in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Nature</i> , <b>1995</b> , 375, 373-376	50.4	704
61	Comment on "Bose-glass melting in YBaCuO crystals with correlated disorder". <i>Physical Review Letters</i> , <b>1995</b> , 75, 186	7.4	15

60	Critical scaling of third-harmonic transmissivity near the Bose-glass transition in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals with columnar defects. <i>Physical Review B</i> , <b>1995</b> , 51, 16448-16451	3-3	22
59	Experimental evidence for Bose-glass behavior in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> crystals with columnar defects. <i>Physical Review B</i> , <b>1995</b> , 51, 3957-3960	3-3	51
58	Separation of the irreversibility and melting lines in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> crystals. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1166-1169	7-4	155
57	Electric-field-induced electronic instability in amorphous Mo <sub>3</sub> Si superconducting films. <i>Physical Review Letters</i> , <b>1995</b> , 75, 4118-4121	7-4	52
56	Critical-current anisotropy due to inclined and crossed linear defects. <i>Physical Review B</i> , <b>1995</b> , 51, 16358-16370	3-3	34
55	Nature of the Irreversibility Line in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Europhysics Letters</i> , <b>1995</b> , 30, 367-372	1-6	144
54	Vortex line pinning and Bose-glass dynamics in heavy-ion irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ single crystals. <i>Physical Review Letters</i> , <b>1995</b> , 74, 1214-1217	7-4	107
53	Vortex dynamics in a Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> crystal with columnar defects. <i>Physical Review B</i> , <b>1995</b> , 51, 15492-15505	3-3	54
52	Evidence of a Bose-glass transition in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals with columnar defects. <i>Physical Review Letters</i> , <b>1994</b> , 72, 550-553	7-4	107
51	Irreversibility line in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films: Correlation of transport and magnetic behavior. <i>Physical Review B</i> , <b>1994</b> , 49, 6270-6279	3-3	57
50	Comment on "Self-heating versus quantum creep in bulk superconductors". <i>Physical Review Letters</i> , <b>1994</b> , 72, 791	7-4	8
49	Flux penetration and overcritical currents in flat superconductors with irradiation-enhanced edge pinning: Theory and experiment. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1424-1427	7-4	99
48	Flux motion in thin superconductors with inhomogeneous pinning. <i>Physical Review B</i> , <b>1994</b> , 50, 16684-16707	3-3	81
47	Diverging time scales for onset of irreversibility in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 224, 213-220	1-3	24
46	Angular dependence of the magnetic properties of thin YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films irradiated with Pb and Xe ions. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 234, 311-317	1-3	21
45	Relaxing magnetic hysteresis loop: the measurement of the critical current or of the divergence of flux creep barrier?. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 2845-2846	1-3	2
44	Effect of heavy-ion irradiation on the magnetization behavior of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ and (La <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> CuO <sub>4</sub> single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 2867-2868	1-3	7
43	Flux creep from columnar defects in high-T <sub>c</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 197-200	1-3	4

42	Vortex dynamics in a ring-like irradiated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> crystal. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 2757-2758	1-3	14
41	Geometrical barriers in type II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 2761-2762	1-3	33
40	Surface currents and bulk pinning in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 2765-2766	1-3	17
39	Geometrical barriers in high-temperature superconductors. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1428-1431	7.4	531
38	Observation of flux creep through columnar defects in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> crystals. <i>Physical Review B</i> , <b>1993</b> , 47, 5531-5534	3-3	44
37	Flux pinning by columnar defects in high-temperature superconducting crystals. <i>Journal of Alloys and Compounds</i> , <b>1993</b> , 195, 407-410	5-7	12
36	Flux flop in Y-Ba-Cu-O crystals irradiated with 5.3-GeV Pb ions. <i>Physical Review B</i> , <b>1993</b> , 47, 12349-12352	3,3	22
35	Quantum tunneling of flux lines in single-crystal Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> with columnar defects. <i>Physical Review B</i> , <b>1993</b> , 47, 3457-3460	3-3	66
34	Evidence for line vortices in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>1993</b> , 48, 3523-3526	3-3	66
33	Flux-flop in high temperature superconducting crystals with columnar defects. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 5862-5864	2.5	1
32	Identifying the loss of critical current density in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films. <i>Physical Review B</i> , <b>1993</b> , 47, 8377-8380	3-3	36
31	Effects of irradiation on magnetization curves in high temperature superconductors. <i>Applied Superconductivity</i> , <b>1993</b> , 1, 323-331		1
30	On the possibility for flux penetration into a Campbell regime near the onset of irreversibility in high temperature superconductors. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1993</b> , 200, 305-313	3-3	8
29	Vortex phases and dynamics in high-temperature and conventional amorphous superconductors. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1993</b> , 200, 374-383	3-3	17
28	Angular dependence of the magnetization curves and interlayer Josephson coupling in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1993</b> , 200, 413-419	3-3	6
27	Quantum tunneling of flux lines in superconductors. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1993</b> , 200, 420-425	3-3	1
26	Superconductor screen viewed as one or two inductive loops. <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 212, 43-60	1-3	54
25	Flux pinning and creep from columnar defects in high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 209, 247-250	1-3	13



24	Flux-reorientation in irradiated YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> and Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 209, 251-254	1.3	13
23	Explanation for the low-temperature behavior of H <sub>c1</sub> in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>1992</b> , 45, 8193-8196	3.9	83
22	Flux-creep crossover and relaxation over surface barriers in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> crystals. <i>Physical Review Letters</i> , <b>1992</b> , 69, 1260-1263	7.4	205
21	Irreversibility line in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> samples. <i>Physica C: Superconductivity and Its Applications</i> , <b>1992</b> , 199, 15-22	1.3	20
20	Temperature dependence of the lower critical field under the effect of surface barriers in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> crystal. <i>Physica C: Superconductivity and Its Applications</i> , <b>1992</b> , 199, 32-36	1.3	19
19	Bean-Livingston barriers A new source for magnetic irreversibility in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1992</b> , 194, 155-156	1.3	16
18	Electron irradiation effect on the double hump magnetization loop in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 2201-2202	1.3	36
17	Effects of electron irradiation on irreversibility line in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Superconductor Science and Technology</i> , <b>1991</b> , 4, S445-S447	3.1	11
16	Local Hall probe magnetometry: a new technique for investigation of magnetic flux penetration, exclusion and trapping in HTSC. <i>Superconductor Science and Technology</i> , <b>1991</b> , 4, S331-S333	3.1	47
15	Low-temperature magnetic relaxation in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> - delta : Evidence for quantum tunneling of vortices. <i>Physical Review B</i> , <b>1991</b> , 43, 8709-8712	3.3	136
14	Effect of 5.3-GeV Pb-ion irradiation on irreversible magnetization in Y-Ba-Cu-O crystals. <i>Physical Review B</i> , <b>1991</b> , 44, 7167-7170	3.3	268
13	Bean-Livingston barriers and first field for flux penetration in high-T <sub>c</sub> crystals. <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 5759-5761	2.5	63
12	Evidence for surface barriers and their effect on irreversibility and lower-critical-field measurements in Y-Ba-Cu-O crystals. <i>Physical Review B</i> , <b>1991</b> , 43, 13707-13710	3.3	200
11	Flux pinning enhancement after electron irradiation in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1990</b> , 168, 291-297	3.3	26
10	AC screening measurement for the characterization of ceramic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 168, 131-137	1.3	6
9	AC screening measurement for the characterization of oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 168, 123-130	1.3	26
8	Type conversion by high-energy particles in Hg <sub>1-x</sub> Cd <sub>x</sub> Te compounds. <i>Journal of Applied Physics</i> , <b>1990</b> , 68, 3237-3242	2.5	4
7	Effects of low temperature electron irradiation on single crystal and sintered YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> ∅ <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 159, 697-706	1.3	25

6	Magnetic structures under pressure in cubic heavy-fermion compounds. <i>Journal of Low Temperature Physics</i> , <b>1988</b> , 70, 377-391	1.3	51
5	Measurement of the charge-density-wave gap of NbSe <sub>3</sub> from tunnel-junction spectra. <i>Physical Review Letters</i> , <b>1986</b> , 57, 2199-2202	7.4	59
4	Single-crystal experiments on EuMo <sub>6</sub> S <sub>8</sub> and EuMo <sub>5</sub> WS <sub>8</sub> . <i>Journal of Applied Physics</i> , <b>1985</b> , 57, 3067-3069	2.5	11
3	Pressure dependence of the spin fluctuation temperature of a dilute actinide alloy: (U <sub>0.06</sub> Th <sub>0.94</sub> )S. <i>Journal of Physics C: Solid State Physics</i> , <b>1982</b> , 15, 1251-1260		14
2	Ferroelectric phase transition in electron irradiated PbSnTe crystals. <i>Journal of Physics C: Solid State Physics</i> , <b>1982</b> , 15, L953-L956		2
1	Systemic consequences of disorder in magnetically self-organized topological MnBi <sub>2</sub> Te <sub>4</sub> /(Bi <sub>2</sub> Te <sub>3</sub> ) <sub>n</sub> superlattices. <i>2D Materials</i> ,	5.9	2