

Marcin Konczykowski

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8797047/marcin-konczykowski-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | Thermodynamic observation of first-order vortex-lattice melting transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Nature</i> , 1995 , 375, 373-376 | 50.4 | 704 |
| 292 | Geometrical barriers in high-temperature superconductors. <i>Physical Review Letters</i> , 1994 , 73, 1428-1431 | 7.4 | 531 |
| 291 | Vortex-lattice phase transitions in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals with different oxygen stoichiometry. <i>Physical Review Letters</i> , 1996 , 76, 2555-2558 | 7.4 | 377 |
| 290 | Effect of 5.3-GeV Pb-ion irradiation on irreversible magnetization in Y-Ba-Cu-O crystals. <i>Physical Review B</i> , 1991 , 44, 7167-7170 | 3.3 | 268 |
| 289 | 'Inverse' melting of a vortex lattice. <i>Nature</i> , 2001 , 411, 451-4 | 50.4 | 251 |
| 288 | Flux-creep crossover and relaxation over surface barriers in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals. <i>Physical Review Letters</i> , 1992 , 69, 1260-1263 | 7.4 | 205 |
| 287 | Imaging the vortex-lattice melting process in the presence of disorder. <i>Nature</i> , 2000 , 406, 282-7 | 50.4 | 202 |
| 286 | 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> , 1991 , 43, 13707-13710 | 3.3 | 200 |
| 285 | Lindemann criterion and vortex-matter phase transitions in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 295, 209-217 | 1.3 | 190 |
| 284 | Strong pinning in high-temperature superconducting films. <i>Physical Review B</i> , 2002 , 66, | 3.3 | 170 |
| 283 | Separation of the irreversibility and melting lines in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals. <i>Physical Review Letters</i> , 1995 , 75, 1166-1169 | 7.4 | 155 |
| 282 | Nature of the Irreversibility Line in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Europhysics Letters</i> , 1995 , 30, 367-372 | 1.6 | 144 |
| 281 | Microwave surface-impedance measurements of the magnetic penetration depth in single crystal Ba _{1-x} K _x Fe ₂ As ₂ superconductors: evidence for a disorder-dependent superfluid density. <i>Physical Review Letters</i> , 2009 , 102, 207001 | 7.4 | 138 |
| 280 | Vortex-matter phase transitions in Bi ₂ Sr ₂ CaCu ₂ O ₈ : Effects of weak disorder. <i>Physical Review B</i> , 1997 , 56, R517-R520 | 3.3 | 136 |
| 279 | Low-temperature magnetic relaxation in YBa ₂ Cu ₃ O _{7-δ} : Evidence for quantum tunneling of vortices. <i>Physical Review B</i> , 1991 , 43, 8709-8712 | 3.3 | 136 |
| 278 | Supercooling of the disordered vortex lattice in Bi(2)Sr(2)CaCu(2)O(8+δ). <i>Physical Review Letters</i> , 2000 , 84, 4196-9 | 7.4 | 111 |
| 277 | Vortex line pinning and Bose-glass dynamics in heavy-ion irradiated Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} single crystals. <i>Physical Review Letters</i> , 1995 , 74, 1214-1217 | 7.4 | 107 |

| | | | |
|-----|---|------|-----|
| 276 | Evidence of a Bose-glass transition in superconducting YBa ₂ Cu ₃ O ₇ single crystals with columnar defects. <i>Physical Review Letters</i> , 1994 , 72, 550-553 | 7.4 | 107 |
| 275 | Ultrafast photocurrents at the surface of the three-dimensional topological insulator BiSe. <i>Nature Communications</i> , 2016 , 7, 13259 | 17.4 | 105 |
| 274 | Flux penetration and overcritical currents in flat superconductors with irradiation-enhanced edge pinning: Theory and experiment. <i>Physical Review Letters</i> , 1994 , 73, 1424-1427 | 7.4 | 99 |
| 273 | Flux pinning in PrFeAsO _{0.9} and NdFeAsO _{0.9} F _{0.1} superconducting crystals. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 93 |
| 272 | Explanation for the low-temperature behavior of H _{c1} in YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1992 , 45, 8193-8196 | 7.4 | 83 |
| 271 | Flux motion in thin superconductors with inhomogeneous pinning. <i>Physical Review B</i> , 1994 , 50, 16684-16707 | 7.4 | 81 |
| 270 | Low energy quasiparticle excitation in the vortex state of borocarbide superconductor YNi ₂ B ₂ C. <i>Physical Review Letters</i> , 2001 , 86, 1327-30 | 7.4 | 76 |
| 269 | Recoupling of Decoupled Vortex Liquid by Columnar Defects in Bi ₂ Sr ₂ CaCu ₂ O _{8+y} . <i>Physical Review Letters</i> , 1997 , 79, 3759-3762 | 7.4 | 71 |
| 268 | Quantum tunneling of flux lines in single-crystal Bi ₂ Sr ₂ CaCu ₂ O ₈ with columnar defects. <i>Physical Review B</i> , 1993 , 47, 3457-3460 | 3.3 | 66 |
| 267 | Evidence for line vortices in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1993 , 48, 3523-3526 | 3.3 | 66 |
| 266 | Disorder-induced topological change of the superconducting gap structure in iron pnictides. <i>Nature Communications</i> , 2014 , 5, 5657 | 17.4 | 65 |
| 265 | Quasiparticle scattering induced by charge doping of iron-pnictide superconductors probed by collective vortex pinning. <i>Physical Review Letters</i> , 2010 , 105, 267002 | 7.4 | 63 |
| 264 | Bean-Livingston barriers and first field for flux penetration in high-T _c crystals. <i>Journal of Applied Physics</i> , 1991 , 70, 5759-5761 | 2.5 | 63 |
| 263 | Melting of "porous" vortex matter. <i>Physical Review Letters</i> , 2003 , 90, 087004 | 7.4 | 60 |
| 262 | Measurement of the charge-density-wave gap of NbSe ₃ from tunnel-junction spectra. <i>Physical Review Letters</i> , 1986 , 57, 2199-2202 | 7.4 | 59 |
| 261 | Simultaneous resistivity onset and first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1996 , 54, R796-R799 | 3.3 | 58 |
| 260 | Irreversibility line in YBa ₂ Cu ₃ O ₇ thin films: Correlation of transport and magnetic behavior. <i>Physical Review B</i> , 1994 , 49, 6270-6279 | 3.3 | 57 |
| 259 | Coupling Transition of the Vortex Liquid in Bi ₂ Sr ₂ CaCu ₂ O _{8+y} with Columnar Defects. <i>Physical Review Letters</i> , 1997 , 79, 3763-3766 | 7.4 | 55 |

- 258 Vortex dynamics in a Bi₂Sr₂CaCu₂O₈ crystal with columnar defects. *Physical Review B*, **1995**, 51, 15492-15505 54
- 257 Paramagnetic ac susceptibility at the first-order vortex-lattice phase transition. *Physical Review B*, **1996**, 54, R3784-R3787 3-3 54
- 256 Superconductor screen viewed as one or two inductive loops. *Physica C: Superconductivity and Its Applications*, **1993**, 212, 43-60 1-3 54
- 255 Lower critical fields of superconducting PrFeAsO_{1-x} single crystals. *Physical Review B*, **2009**, 79, 044504 3-3 53
- 254 Resistive evidence for vortex-lattice sublimation in Bi₂Sr₂CaCu₂O₈. *Physical Review B*, **1997**, 55, R6156-R6160 3-3 53
- 253 Electric-field-induced electronic instability in amorphous Mo₃Si superconducting films. *Physical Review Letters*, **1995**, 75, 4118-4121 7-4 52
- 252 Large effect of columnar defects on the thermodynamic properties of Bi₂Sr₂CaCu₂O₈ single crystals. *Physical Review B*, **1996**, 54, R792-R795 3-3 52
- 251 Experimental evidence for Bose-glass behavior in Bi₂Sr₂CaCu₂O₈ crystals with columnar defects. *Physical Review B*, **1995**, 51, 3957-3960 3-3 51
- 250 Magnetic structures under pressure in cubic heavy-fermion compounds. *Journal of Low Temperature Physics*, **1988**, 70, 377-391 1-3 51
- 249 Upper limit of the Bose-glass transition in YBa₂Cu₃O₇ at high density of columnar defects. *Physical Review Letters*, **1996**, 76, 2798-2801 7-4 48
- 248 Geometrical and distributed surface barriers in Bi₂Sr₂CaCu₂O₈. *Physica C: Superconductivity and Its Applications*, **1997**, 291, 113-131 1-3 47
- 247 Local Hall probe magnetometry: a new technique for investigation of magnetic flux penetration, exclusion and trapping in HTSC. *Superconductor Science and Technology*, **1991**, 4, S331-S333 3-1 47
- 246 Upper and lower critical magnetic fields of superconducting NdFeAsO_{1-x}F_x single crystals studied by Hall-probe magnetization and specific heat. *Physical Review B*, **2009**, 79, 044504 3-3 46
- 245 Observation of flux creep through columnar defects in YBa₂Cu₃O₇ crystals. *Physical Review B*, **1993**, 47, 5531-5534 3-3 44
- 244 Using controlled disorder to probe the interplay between charge order and superconductivity in NbSe. *Nature Communications*, **2018**, 9, 2796 17-4 43
- 243 First-order phase transition from the vortex liquid to an amorphous solid. *Physical Review Letters*, **2003**, 90, 147001 7-4 43
- 242 High-temperature quantum anomalous Hall regime in a MnBi₂Te₄/Bi₂Te₃ superlattice. *Nature Physics*, **2021**, 17, 36-42 16.2 43
- 241 Manipulating the Topological Interface by Molecular Adsorbates: Adsorption of Co-Phthalocyanine on Bi₂Se₃. *Nano Letters*, **2016**, 16, 3409-14 11.5 41

| | | | |
|-----|--|------|----|
| 240 | Effect of Electron Irradiation on Superconductivity in Single Crystals of Ba(Fe _{1-x} Ru _x) ₂ As ₂ (x=0.24). <i>Physical Review X</i> , 2014 , 4, | 9.1 | 40 |
| 239 | Angular dependence of the first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1997 , 55, R8705-R8708 | 3.3 | 40 |
| 238 | Entropy, vortex interactions, and the phase diagram of heavy-ion-irradiated Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} <i>Physical Review B</i> , 2000 , 61, 4259-4269 | 3.3 | 40 |
| 237 | Energy gap evolution across the superconductivity dome in single crystals of (Ba K)FeAs. <i>Science Advances</i> , 2016 , 2, e1600807 | 14.3 | 38 |
| 236 | Vortex nanoliquid in high-temperature superconductors. <i>Physical Review Letters</i> , 2004 , 93, 097002 | 7.4 | 38 |
| 235 | Identifying the loss of critical current density in YBa ₂ Cu ₃ O ₇ thin films. <i>Physical Review B</i> , 1993 , 47, 8377-8380 | 3.3 | 36 |
| 234 | Electron irradiation effect on the double hump magnetization loop in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2201-2202 | 1.3 | 36 |
| 233 | Magnetic studies on the field-driven transition from decoupled to coupled pancake vortex phase in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} with columnar defects. <i>Physical Review B</i> , 1998 , 57, 14507-14510 | 3.3 | 35 |
| 232 | Critical-current anisotropy due to inclined and crossed linear defects. <i>Physical Review B</i> , 1995 , 51, 16358-16370 | 3.3 | 34 |
| 231 | Geometrical barriers in type II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2761-2762 | 1.3 | 33 |
| 230 | Effects of electron irradiation on resistivity and London penetration depth of Ba _{1-x} K _x Fe ₂ As ₂ (x=0.34) iron-pnictide superconductor. <i>Physical Review B</i> , 2014 , 90, | 3.3 | 32 |
| 229 | Do columnar defects produce bulk pinning?. <i>Physical Review Letters</i> , 2000 , 84, 1792-5 | 7.4 | 31 |
| 228 | Fully gapped superconductivity with no sign change in the prototypical heavy-fermion CeCuSi. <i>Science Advances</i> , 2017 , 3, e1601667 | 14.3 | 30 |
| 227 | Anisotropy of strong pinning in multi-band superconductors. <i>Superconductor Science and Technology</i> , 2012 , 25, 084010 | 3.1 | 30 |
| 226 | Effect of columnar defects on the vortex-solid melting transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review B</i> , 1998 , 57, R14088-R14091 | 3.3 | 30 |
| 225 | Singular robust room-temperature spin response from topological Dirac fermions. <i>Nature Materials</i> , 2014 , 13, 580-5 | 27 | 29 |
| 224 | Defect-unbinding and the Bose-glass transition in layered superconductors. <i>Physical Review Letters</i> , 2001 , 86, 5136-9 | 7.4 | 29 |
| 223 | Vortex fluctuations in underdoped Bi(2)Sr(2)CaCu(2)O(8+delta) crystals. <i>Physical Review Letters</i> , 2003 , 90, 137002 | 7.4 | 27 |

| | | | |
|-----|---|-----|----|
| 222 | Disorder, critical currents, and vortex pinning energies in isovalently substituted $\text{BaFe}_2(\text{As}_{1-x}\text{Px})_2$. <i>Physical Review B</i> , 2013 , 87, | 3-3 | 26 |
| 221 | Flux line lattice melting and the formation of a coherent quasiparticle Bloch state in the ultraclean URu_2Si_2 superconductor. <i>Physical Review Letters</i> , 2008 , 100, 037004 | 7-4 | 26 |
| 220 | Flux pinning enhancement after electron irradiation in $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 168, 291-297 | 3-3 | 26 |
| 219 | AC screening measurement for the characterization of oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 123-130 | 1-3 | 26 |
| 218 | 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> , 2009 , 80, | 3-3 | 25 |
| 217 | Equilibrium magnetization in heavy-ion-irradiated $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ probed by torque and SQUID magnetometry. <i>Physical Review B</i> , 1998 , 58, R615-R618 | 3-3 | 25 |
| 216 | Effects of low temperature electron irradiation on single crystal and sintered $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 697-706 | 1-3 | 25 |
| 215 | Full-Gap Superconductivity Robust against Disorder in Heavy-Fermion $\text{CeCu}_{2-x}\text{Si}_2$. <i>Physical Review Letters</i> , 2017 , 119, 077001 | 7-4 | 24 |
| 214 | Influence of electromagnetic anisotropy on the flux-pinning strength of columnar defects in $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_{1.8}\text{CaCu}_2\text{O}_y$. <i>Physical Review B</i> , 2000 , 62, 1452-1456 | 3-3 | 24 |
| 213 | Diverging time scales for onset of irreversibility in high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 224, 213-220 | 1-3 | 24 |
| 212 | Superconducting properties of strongly underdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ single crystals. <i>Physical Review B</i> , 2002 , 66, | 3-3 | 23 |
| 211 | Geometrical barriers and lower critical field in MgB_2 single crystals. <i>Physical Review B</i> , 2004 , 70, | 3-3 | 22 |
| 210 | Critical scaling of third-harmonic transmissivity near the Bose-glass transition in $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals with columnar defects. <i>Physical Review B</i> , 1995 , 51, 16448-16451 | 3-3 | 22 |
| 209 | Flux flop in Y-Ba-Cu-O crystals irradiated with 5.3-GeV Pb ions. <i>Physical Review B</i> , 1993 , 47, 12349-12352 | 3-3 | 22 |
| 208 | Electron irradiation of Co, Ni, and P-doped BaFe_2As_2 -type iron-based superconductors. <i>Journal of Physics: Conference Series</i> , 2013 , 449, 012023 | 0-3 | 21 |
| 207 | Josephson coupling in the vortex-liquid state of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ with columnar defects. <i>Physical Review B</i> , 1999 , 59, 8970-8977 | 3-3 | 21 |
| 206 | Angular dependence of the magnetic properties of thin $\text{YBa}_2\text{Cu}_3\text{O}_7$ films irradiated with Pb and Xe ions. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 234, 311-317 | 1-3 | 21 |
| 205 | g-factors of conduction electrons and holes in Bi_2Se_3 three-dimensional topological insulator. <i>Physical Review B</i> , 2016 , 93, | 3-3 | 20 |

| | | | |
|-----|--|-----|----|
| 204 | Suppression of surface barriers for flux penetration in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ whiskers by electron and heavy ion irradiation. <i>Physical Review B</i> , 2001 , 64, | 3.3 | 20 |
| 203 | Bose-glass melting in the cubic (K,Ba)BiO ₃ high-T _c oxide with columnar defects. <i>Physical Review B</i> , 2000 , 61, R3830-R3833 | 3.3 | 20 |
| 202 | Irreversibility line in YBa ₂ Cu ₃ O ₇ samples. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 199, 15-22 | 1.3 | 20 |
| 201 | Anisotropy of the coherence length from critical currents in the stoichiometric superconductor LiFeAs. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 19 |
| 200 | Magnetization behavior of MgB ₂ and the effect of high energy heavy-ion irradiation. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 466-469 | 1.3 | 19 |
| 199 | Effect of heavy-ion irradiation on the pinning properties of MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 388-389, 167-168 | 1.3 | 19 |
| 198 | Origin of the irreversibility line in thin YBa ₂ Cu ₃ O ₇ - δ films with and without columnar defects. <i>Physical Review B</i> , 1996 , 54, 15530-15536 | 3.3 | 19 |
| 197 | Temperature dependence of the lower critical field under the effect of surface barriers in Bi ₂ Sr ₂ CaCu ₂ O ₈ crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 199, 32-36 | 1.3 | 19 |
| 196 | Experimental evidence for violation of the fluctuation-dissipation theorem in a superspin glass. <i>Physical Review Letters</i> , 2011 , 106, 150603 | 7.4 | 18 |
| 195 | Composite to tilted vortex lattice transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ in oblique fields. <i>Physical Review Letters</i> , 2006 , 97, 237005 | 7.4 | 18 |
| 194 | Tuning the pinning energy in layered superconductors. <i>Physical Review B</i> , 1999 , 59, 13612-13615 | 3.3 | 18 |
| 193 | Dynamic and thermodynamic properties of porous vortex matter in Bi ₂ (Sr ₂)CaCu ₂ O ₈ in an oblique magnetic field. <i>Physical Review Letters</i> , 2007 , 99, 087001 | 7.4 | 17 |
| 192 | Surface currents and bulk pinning in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2765-2766 | 1.3 | 17 |
| 191 | Vortex phases and dynamics in high-temperature and conventional amorphous superconductors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993 , 200, 374-383 | 3.3 | 17 |
| 190 | Bean-Livingston barriers A new source for magnetic irreversibility in YBa ₂ Cu ₃ O ₇ crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 194, 155-156 | 1.3 | 16 |
| 189 | Flux Lattice Melting and Dimensional Crossover in Bi-2212 Single Crystals. <i>Journal De Physique, I</i> , 1996 , 6, 2327-2354 | | 16 |
| 188 | Comparative study of the effects of electron irradiation and natural disorder in single crystals of SrFe ₂ (As _{1-x} Px) ₂ superconductor (x=0.35). <i>Physical Review B</i> , 2014 , 90, | 3.3 | 15 |
| 187 | Impact of Disorder on the Superconducting Phase Diagram in BaFe ₂ (As _{1-x} Px) ₂ . <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 083706 | 1.5 | 15 |

| | | | |
|-----|---|------|----|
| 186 | Magnetization decay due to vortex phase boundary motion in BSCCO. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1317-1318 | 1.3 | 15 |
| 185 | Comment on "Bose-glass melting in YBaCuO crystals with correlated disorder". <i>Physical Review Letters</i> , 1995 , 75, 186 | 7.4 | 15 |
| 184 | Stable topological insulators achieved using high energy electron beams. <i>Nature Communications</i> , 2016 , 7, 10957 | 17.4 | 15 |
| 183 | Vortex creep and critical current densities in superconducting (Ba,K)Fe ₂ As ₂ single crystals. <i>Physical Review B</i> , 2012 , 86, | 3.3 | 14 |
| 182 | First-order transition in the magnetic vortex matter in superconducting MgB ₂ tuned by disorder. <i>Physical Review Letters</i> , 2010 , 105, 047001 | 7.4 | 14 |
| 181 | Anomalous Temperature Dependence of Lower Critical Field in Ultraclean URu ₂ Si ₂ . <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 084705 | 1.5 | 14 |
| 180 | Conductance in multiwall carbon nanotubes and semiconductor nanowires. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 14 |
| 179 | Magnetic relaxation in the vicinity of second magnetization peak in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 332, 219-224 | 1.3 | 14 |
| 178 | Vortex dynamics in a ring-like irradiated Bi ₂ Sr ₂ CaCu ₂ O ₈ crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2757-2758 | 1.3 | 14 |
| 177 | Pressure dependence of the spin fluctuation temperature of a dilute actinide alloy: (U _{0.06} Th _{0.94})S. <i>Journal of Physics C: Solid State Physics</i> , 1982 , 15, 1251-1260 | | 14 |
| 176 | Robust s _± pairing in CaK(Fe _{1-x} Ni _x) ₄ As ₄ (x=0 and 0.05) from the response to electron irradiation. <i>Physical Review B</i> , 2018 , 97, | 3.3 | 13 |
| 175 | Evidence for s-wave pairing with atomic scale disorder in the van der Waals superconductor NaSn ₂ As ₂ . <i>Physical Review B</i> , 2018 , 98, | 3.3 | 13 |
| 174 | Slowing down the Josephson vortex lattice in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ with pancake vortices. <i>Physical Review B</i> , 2006 , 74, | 3.3 | 13 |
| 173 | Flux pinning and creep from columnar defects in high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 209, 247-250 | 1.3 | 13 |
| 172 | Flux-reorientation in irradiated YBa ₂ Cu ₃ O ₇ and Bi ₂ Sr ₂ CaCu ₂ O ₈ crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 209, 251-254 | 1.3 | 13 |
| 171 | Vortex redistribution below the first-order transition temperature in the beta-pyrochlore superconductor KOs ₂ O ₆ . <i>Physical Review Letters</i> , 2007 , 99, 257001 | 7.4 | 12 |
| 170 | High-field superconducting transition of CeCoIn ₅ studied by local magnetic induction measurements. <i>Physical Review B</i> , 2007 , 76, | 3.3 | 12 |
| 169 | Josephson plasma resonance in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ with spatially dependent interlayer phase coherence. <i>Physical Review B</i> , 2004 , 69, | 3.3 | 12 |

| | | | |
|-----|--|-----|----|
| 168 | Melting of regular and decoupled vortex lattices in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1213-1214 | 1.3 | 12 |
| 167 | Shear-induced vortex decoupling in Bi2Sr2CaCu2O8 crystals. <i>Physical Review B</i> , 2000 , 61, R9261-R9264 | 3.3 | 12 |
| 166 | Flux pinning by columnar defects in high-temperature superconducting crystals. <i>Journal of Alloys and Compounds</i> , 1993 , 195, 407-410 | 5.7 | 12 |
| 165 | Unraveling the Dirac fermion dynamics of the bulk-insulating topological system Bi2Te2Se. <i>Physical Review Materials</i> , 2018 , 2, | 3.2 | 12 |
| 164 | Orbital quantization in a system of edge Dirac fermions in nanoporated graphene. <i>JETP Letters</i> , 2013 , 98, 214-218 | 1.2 | 11 |
| 163 | Tuning vortex confinement by magnetic domains in a superconductor/ferromagnet bilayer. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 11 |
| 162 | Partial filling of columnar defects by vortices as seen in measurements of the c-axis critical current of Bi2Sr2CaCu2O8+ δ . <i>Physical Review B</i> , 1999 , 60, 12480-12484 | 3.3 | 11 |
| 161 | Effects of electron irradiation on irreversibility line in superconducting YBa2Cu3O7. <i>Superconductor Science and Technology</i> , 1991 , 4, S445-S447 | 3.1 | 11 |
| 160 | Single-crystal experiments on EuMo6S8 and EuMo5WS8. <i>Journal of Applied Physics</i> , 1985 , 57, 3067-3069 | 2.5 | 11 |
| 159 | Using electron irradiation to probe iron-based superconductors. <i>Superconductor Science and Technology</i> , 2018 , 31, 064002 | 3.1 | 11 |
| 158 | Vortex pinning: A probe for nanoscale disorder in iron-based superconductors. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1746-1749 | 2.8 | 10 |
| 157 | ANISOTROPIC VORTEX DYNAMICS AND PHASE DIAGRAM OF YBa2Cu3O7 SINGLE CRYSTALS WITH CANTED COLUMNAR DEFECTS. <i>International Journal of Modern Physics B</i> , 1996 , 10, 2723-2743 | 1.1 | 10 |
| 156 | Geometrical Confinement Effects in Layered Mesoscopic Vortex Matter. <i>Journal of Low Temperature Physics</i> , 2015 , 179, 35-41 | 1.3 | 9 |
| 155 | Latent heat and nonlinear vortex liquid in the vicinity of the first-order phase transition in layered high-Tc superconductors. <i>Physical Review B</i> , 2014 , 90, | 3.3 | 9 |
| 154 | Negative Hall coefficient of ultrathin niobium in Si/Nb/Si trilayers. <i>Physical Review B</i> , 2014 , 90, | 3.3 | 9 |
| 153 | Enhancement of vortex pinning in superconductor/ferromagnet bilayers via angled demagnetization. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 9 |
| 152 | Anisotropic enhancement of superconductivity in heavy-ion irradiated (K, Ba)BiO3. <i>Physical Review Letters</i> , 2003 , 90, 037004 | 7.4 | 9 |
| 151 | Modification of flux pinning properties of RE-Ba-Cu-O superconductor by irradiation. <i>Superconductor Science and Technology</i> , 2000 , 13, 749-752 | 3.1 | 9 |

| | | | |
|-----|--|-----|---|
| 150 | Size-Induced Depression of First-Order Transition Lines and Entropy Jump in Extremely Layered Nanocrystalline Vortex Matter. <i>Physical Review Letters</i> , 2015 , 115, 137003 | 7.4 | 8 |
| 149 | Vortex solid-liquid transition in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ with a high density of strong pins. <i>Physical Review B</i> , 2004 , 69, | 3.3 | 8 |
| 148 | First-order disorder-driven transition and inverse melting of the vortex lattice. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 369, 36-44 | 1.3 | 8 |
| 147 | Vortex correlations in the liquid states of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+y}$ with tilted columnar defects. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 8 |
| 146 | Negative deviations from Matthiessen's rule for SrRuO_3 and CaRuO_3 . <i>Europhysics Letters</i> , 2001 , 55, 532-538 | 1.6 | 8 |
| 145 | Phase diagram of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ in the mixed state: effects of anisotropy and disorder. <i>European Physical Journal D</i> , 1996 , 46, 3218-3224 | | 8 |
| 144 | Comment on "Self-heating versus quantum creep in bulk superconductors". <i>Physical Review Letters</i> , 1994 , 72, 791 | 7.4 | 8 |
| 143 | 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> , 1993 , 200, 305-313 | 3.3 | 8 |
| 142 | Comparative study of the flux pinning by columnar defects in high- T_c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2143-2144 | 1.3 | 7 |
| 141 | Local magnetic relaxation close to the second peak in BSCCO crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2259-2260 | 1.3 | 7 |
| 140 | Vortex matter phase transitions in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 323-326 | 1.3 | 7 |
| 139 | Influence of spatial variations in the lower critical field on the equilibrium field penetration into superconductors. <i>Physical Review B</i> , 2008 , 77, | 3.3 | 7 |
| 138 | Direct transition from Bose glass to normal state in the $(\text{K},\text{Ba})\text{BiO}_3$ superconductor. <i>Physical Review Letters</i> , 2004 , 92, 037005 | 7.4 | 7 |
| 137 | Origin of linear extended defects in single crystalline $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 25-26 | 1.3 | 7 |
| 136 | Gigantic surface pinning created by columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1251-1252 | 1.3 | 7 |
| 135 | Comparison of magnetic field profiles of Ag/BSCCO-2223 tapes carrying AC and DC currents. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 2557-2560 | 1.8 | 7 |
| 134 | Effect of heavy-ion irradiation on the magnetization behavior of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ and $(\text{La}_{1-x}\text{Sr}_x)_2\text{CuO}_4$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2867-2868 | 1.3 | 7 |
| 133 | Electron irradiation effects on superconductivity in PdTe_2 : An application of a generalized Anderson theorem. <i>Physical Review Research</i> , 2020 , 2, | 3.9 | 7 |

| | | | |
|-----|---|------|---|
| 132 | / oscillations in interlayer transport of delafossites. <i>Science</i> , 2020 , 368, 1234-1238 | 33.3 | 6 |
| 131 | Influence of magnetic domain landscape on the flux dynamics in superconductor/ferromagnet bilayers. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 6 |
| 130 | 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> , 2019 , 4, | 5 | 6 |
| 129 | Excess of topological defects induced by confinement in vortex nanocrystals. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 6 |
| 128 | Aharonov-Bohm effect on columnar defects in thin graphite and graphene. <i>Journal of Physics: Conference Series</i> , 2010 , 248, 012001 | 0.3 | 6 |
| 127 | Thermodynamics of the vortex liquid in heavy-ion-irradiated superconductors. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 6 |
| 126 | Pinning in BSCCO above the ordinary irreversibility line. <i>Journal of Low Temperature Physics</i> , 1996 , 105, 1117-1122 | 1.3 | 6 |
| 125 | Angular dependence of the magnetization curves and interlayer Josephson coupling in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993 , 200, 413-419 | 3.3 | 6 |
| 124 | AC screening measurement for the characterization of ceramic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 131-137 | 1.3 | 6 |
| 123 | Structure and Magnetic Characterization of $\text{BiFeO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ Bilayers. <i>Acta Physica Polonica A</i> , 2009 , 115, 95-97 | 0.6 | 6 |
| 122 | Unveiling the vortex glass phase in the surface and volume of a type-II superconductor. <i>Communications Physics</i> , 2019 , 2, | 5.4 | 6 |
| 121 | Bulk defects and surface state dynamics in topological insulators: The effects of electron beam irradiation on the ultrafast relaxation of Dirac fermions in Bi_2Te_3 . <i>Journal of Applied Physics</i> , 2019 , 125, 025103 | 2.5 | 5 |
| 120 | Spin memory of the topological material under strong disorder. <i>Npj Quantum Materials</i> , 2020 , 5, | 5 | 5 |
| 119 | Controlled Introduction of Defects to Delafossite Metals by Electron Irradiation. <i>Physical Review X</i> , 2020 , 10, | 9.1 | 5 |
| 118 | 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> , 2016 , 93, | 3.3 | 5 |
| 117 | Konczykowski and Samoilov Reply:. <i>Physical Review Letters</i> , 1997 , 78, 1830-1830 | 7.4 | 5 |
| 116 | Vortex-lattice melting front in thin superconductors with pinning. <i>Physical Review B</i> , 2004 , 70, | 3.3 | 5 |
| 115 | Flux lenses in the crossing lattices regime of layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 404, 99-102 | 1.3 | 5 |

- 114 Josephson plasma resonance in underdoped Bi₂Sr₂CaCu₂O_{8+x} crystals. *Physica C: Superconductivity and Its Applications*, **2002**, 369, 236-239 1.3 5
- 113 Modification of flux pinning properties of RE-Ba-Cu-O superconductor by fast-neutron and heavy-ion irradiation. *Superconductor Science and Technology*, **2001**, 14, 663-665 3.1 5
- 112 Pinning-to-barrier crossover in YBa₂Cu₃O_{7-δ} single crystals. *European Physical Journal D*, **1996**, 46, 1541-1542 5
- 111 Hyperuniform vortex patterns at the surface of type-II superconductors. *Physical Review Research*, **2019**, 1, 033101 3.9 5
- 110 Vortex matter in Bi₂Sr₂CaCu₂O₈ with pointlike disorder. *Journal of Physics: Conference Series*, **2009**, 150, 052119 0.3 4
- 109 Spin transfer by spin injection between both interfaces of a Ni nanowire. *Journal of Applied Physics*, **2004**, 96, 4490-4493 2.5 4
- 108 Self-doping caused by oxygen displacements in heavy-ion-irradiated Bi₂Sr₂CaCu₂O_{8+x} crystals. *Physical Review B*, **2002**, 66, 020401 3.3 4
- 107 Magnetic relaxation in the Bragg-glass phase in BSCCO. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 1279-1280 1.3 4
- 106 Experimental investigations of the critical vortex dynamics in extreme type-II superconductors with controlled static disorder. *Ferroelectrics*, **1996**, 177, 143-159 0.6 4
- 105 Upper Limit of the Bose-Glass Transition in YB₂C₃O₇ at High Density of Columnar Defects. *Physical Review Letters*, **1996**, 77, 981-981 7.4 4
- 104 Flux creep from columnar defects in high-T_c superconductors. *Physica C: Superconductivity and Its Applications*, **1994**, 235-240, 197-200 1.3 4
- 103 Type conversion by high-energy particles in Hg_{1-x}Cd_xTe compounds. *Journal of Applied Physics*, **1990**, 68, 3237-3242 2.5 4
- 102 Visualization of Magnetic Structures in Superconductors and Magnetic Materials using Magneto-Optical Garnet Films. *Transactions of the Magnetics Society of Japan*, **2002**, 2, 244-247 4
- 101 Competition between orthorhombic and re-entrant tetragonal phases in underdoped Ba_{1-x}K_xFe₂As₂ probed by the response to controlled disorder. *Physical Review B*, **2019**, 99, 020401 3.3 3
- 100 Symmetry of Order Parameters in Multiband Superconductors LaRu₄As₁₂ and PrOs₄Sb₁₂ Probed by Local Magnetization Measurements. *Physical Review Letters*, **2020**, 124, 027001 7.4 3
- 99 Anomalous low-field diamagnetic response in ultraclean URu₂Si₂ superconductor. *Journal of Physics: Conference Series*, **2011**, 273, 012081 0.3 3
- 98 Magnetic noise of a frozen ferrofluid. *Journal of Applied Physics*, **2010**, 107, 09E140 2.5 3
- 97 Sublimation and hysteretic transition of the vortex-lattice in Bi₂Sr₂CaCu₂O₈. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 2023-2024 1.3 3

| | | | |
|----|--|-----|---|
| 96 | Bulk pinning by planar defects in Ti-doped Bi-2212 single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2241-2242 | 1.3 | 3 |
| 95 | Investigation of the current-induced nonlinear vortex dynamics in YBa ₂ Cu ₃ O ₇ single crystals using transport and transmittivity measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 1947-1948 | 1.3 | 3 |
| 94 | Interlayer Josephson coupling of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} with columnar defects proved by plasma resonance. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 293, 208-211 | 1.3 | 3 |
| 93 | A local noise measurement device for magnetic physical systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009 , 2009, P01027 | 1.9 | 3 |
| 92 | Effect of pulsed UV laser irradiation on the properties of crystalline YBa ₂ Cu ₃ O ₇ thin films. <i>Superconductor Science and Technology</i> , 2007 , 20, 433-440 | 3.1 | 3 |
| 91 | Porous vortex matter. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 495-498 | 1.3 | 3 |
| 90 | Superconducting Pinning by Magnetic Domains in a Ferromagnet-Superconductor Bilayer. <i>Acta Physica Polonica A</i> , 2004 , 106, 693-698 | 0.6 | 3 |
| 89 | Non-Gaussian tail in the force distribution: a hallmark of correlated disorder in the host media of elastic objects. <i>Scientific Reports</i> , 2020 , 10, 19452 | 4.9 | 3 |
| 88 | Manifestations of Surface States in the Longitudinal Magnetoresistance of an Array of Bi Nanowires. <i>JETP Letters</i> , 2018 , 107, 192-195 | 1.2 | 2 |
| 87 | Detection of discretized single-shell penetration in mesoscopic vortex matter. <i>Journal of Physics: Conference Series</i> , 2014 , 568, 022010 | 0.3 | 2 |
| 86 | Testing dependence of anomalous Hall effect on resistivity in SrRuO ₃ by its increase with electron irradiation. <i>Physical Review B</i> , 2013 , 88, | 3.3 | 2 |
| 85 | Probing the mechanism of interaction of Josephson vortices and pancake vortex lines in Bi ₂ Sr ₂ CaCu ₂ O _{8+x} with columnar defects. <i>JETP Letters</i> , 2009 , 89, 342-344 | 1.2 | 2 |
| 84 | Effects of correlated disorder on vortex-lattice melting in BSCCO. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2067-2068 | 1.3 | 2 |
| 83 | In-plane field-induced vortex liquid correlations in underdoped Bi ₂ Sr ₂ CaCu ₂ O _{8+x} <i>Physical Review B</i> , 2007 , 76, | 3.3 | 2 |
| 82 | Dependence of maximum static friction on waiting time using dynamics of vortices in superconductors. <i>Journal of Physics: Conference Series</i> , 2007 , 89, 012021 | 0.3 | 2 |
| 81 | Persistence of the intrinsic transition in the vortex matter of disordered BSCCO:2212 crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 547-548 | 1.3 | 2 |
| 80 | Josephson plasma resonance in half-irradiated Bi ₂ Sr ₂ CaCu ₂ O _{8+y} . <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 367, 400-403 | 1.3 | 2 |
| 79 | Current-induced decoupling of vortices in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 685-686 | 2.8 | 2 |

| | | | |
|----|---|-----|---|
| 78 | Entropy, vortex interactions and the phase diagram of heavy-ion irradiated Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 332, 178-186 | 1.3 | 2 |
| 77 | Flux Flow Resistance and Transmittivity in Overdoped Tl ₂ Ba ₂ CuO _{6+δ} <i>Journal of Low Temperature Physics</i> , 1999 , 117, 1193-1197 | 1.3 | 2 |
| 76 | Resistivity onset at the first-order vortex-lattice phase transition in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>European Physical Journal D</i> , 1996 , 46, 1583-1584 | | 2 |
| 75 | 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> , 1994 , 235-240, 2845-2846 | 1.3 | 2 |
| 74 | Ferroelectric phase transition in electron irradiated PbSnTe crystals. <i>Journal of Physics C: Solid State Physics</i> , 1982 , 15, L953-L956 | | 2 |
| 73 | Systemic consequences of disorder in magnetically self-organized topological MnBi ₂ Te ₄ /(Bi ₂ Te ₃) _n superlattices. <i>2D Materials</i> , | 5.9 | 2 |
| 72 | Vortex Pinning in Ferromagnet/Superconductor Bilayers - the Dependence on the Ferromagnetic Layer and Temperature. <i>Acta Physica Polonica A</i> , 2006 , 109, 451-456 | 0.6 | 2 |
| 71 | Flux Penetration in a Ferromagnetic/Superconducting Bilayer. <i>Acta Physica Polonica A</i> , 2007 , 111, 95-98 | 0.6 | 2 |
| 70 | Vortex Phase Diagram in Heavy-Ion Irradiated Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} Studied by Josephson Plasma Resonance 1998 , 473-476 | | 2 |
| 69 | Magnetic Properties of Nd ₁₂₃ Irradiated by 5.8 GeV Pb-ions 1998 , 477-480 | | 2 |
| 68 | Anomalous enhancement of the lower critical field deep in the superconducting state of LaRu ₄ As ₁₂ . <i>Physica B: Condensed Matter</i> , 2018 , 536, 813-815 | 2.8 | 2 |
| 67 | Direct visualization of local interaction forces in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} vortex matter. <i>Materials Today: Proceedings</i> , 2019 , 14, 34-37 | 1.4 | 1 |
| 66 | Effect of Quenched Disorder in the Entropy-Jump at the First-Order Vortex Phase Transition of Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . <i>Journal of Low Temperature Physics</i> , 2015 , 179, 28-34 | 1.3 | 1 |
| 65 | Enhancement of penetration field in vortex matter in mesoscopic superconductors due to Andreev bound states. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 1 |
| 64 | Aharonov-bohm effect on multiwall carbon nanotubes under conditions close to strong carrier localization. <i>JETP Letters</i> , 2010 , 90, 608-611 | 1.2 | 1 |
| 63 | Noise Measurement of Interacting Ferromagnetic Particles with High Resolution Hall Microprobes 2009 , | | 1 |
| 62 | Vortex lattice melting in the ultraclean heavy-fermion superconductor URu ₂ Si ₂ . <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052198 | 0.3 | 1 |
| 61 | Shear viscosity measurements at the vortex melting transition in confined geometry in optimally doped Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052288 | 0.3 | 1 |

| | | | |
|----|--|-----|---|
| 60 | Disorder and flux pinning in superconducting pnictide single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S385-S386 | 1.3 | 1 |
| 59 | Flux-creep and depinning from columnar defects in layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S898-S899 | 1.3 | 1 |
| 58 | Effect of point-like disorder on the vortex phase diagram in Bi ₂ Sr ₂ CaCu ₂ O ₈ in oblique field. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S257-S258 | 1.3 | 1 |
| 57 | Local magnetic measurement of strong pinning by columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2189-2190 | 1.3 | 1 |
| 56 | The equilibrium vortex state in heavy-ion irradiated Bi ₂ Sr ₂ CaCu ₂ O ₈ \square <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2101-2102 | 1.3 | 1 |
| 55 | Phase coherence along the c-axis in Bi ₂ Sr ₂ CaCu ₂ O _{8+y} with columnar defects probed by Josephson plasma resonance. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 293, 224-228 | 1.3 | 1 |
| 54 | Vortex liquid correlations induced by in-plane field in underdoped Bi ₂ Sr ₂ CaCu ₂ O ₈ \square <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 1218-1219 | 1.3 | 1 |
| 53 | Vortex lattice melting in the heavy-fermion superconductor URu ₂ Si ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 1258-1261 | 1.3 | 1 |
| 52 | Melting of heterogeneous vortex matter: The vortex \square anoliquid 2006 , 66, 43-54 | | 1 |
| 51 | Amorphous Vortex Phase in Bi ₂ Sr ₂ CaCu ₂ O ₈ After the First Order Liquid-Solid Phase Transition. <i>Journal of Low Temperature Physics</i> , 2004 , 135, 139-142 | 1.3 | 1 |
| 50 | Strong pinning by correlated and point disorder in YBa ₂ Cu ₃ O ₇ \square thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 369, 240-244 | 1.3 | 1 |
| 49 | The Bose-glass transition in underdoped Bi ₂ Sr ₂ CaCu ₂ O _{8+x} crystals with columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 369, 278-281 | 1.3 | 1 |
| 48 | Mixing of longitudinal and transverse plasma modes in half-irradiated Bi ₂ Sr ₂ CaCu ₂ O _{8+y} . <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 546-549 | 1.3 | 1 |
| 47 | Quasiparticle structure in the vortex state of anisotropic s-wave superconductor YNi ₂ B ₂ C. <i>Journal of Physics and Chemistry of Solids</i> , 2002 , 63, 991-993 | 3.9 | 1 |
| 46 | Radio frequency vortex dynamics in heavy ion irradiated (Bi _{1-x} Bb _x) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ superconducting platelets. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 349, 155-165 | 1.3 | 1 |
| 45 | Study of flux dynamics in NdBCO single crystal before and after heavy ions irradiation. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 354, 309-312 | 1.3 | 1 |
| 44 | Interplay of pancake vortices and columnar defects in heavy-ion irradiated Bi-2212. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1167-1168 | 1.3 | 1 |
| 43 | Supercooling of the high field vortex phase in single crystalline BSCCO. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1319-1320 | 1.3 | 1 |

| | | | |
|----|--|-----|---|
| 42 | Effects of granularity and strong pinning on high frequency vortex dynamics in (BiPb) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ superconducting platelets. <i>Solid State Communications</i> , 1999 , 113, 109-113 | 1.6 | 1 |
| 41 | Enhancement of Interlayer Phase Coherence in the Vortex Liquid State of Bi ₂ Sr ₂ CaCu ₂ O _{8+y} with Columnar Defects. <i>Journal of Low Temperature Physics</i> , 1999 , 117, 1363-1367 | 1.3 | 1 |
| 40 | The effect of anisotropy on the phase diagram of Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>European Physical Journal D</i> , 1996 , 46, 1563-1564 | | 1 |
| 39 | Influence of columnar defects on the thermodynamic properties of BSCCO. <i>European Physical Journal D</i> , 1996 , 46, 1655-1656 | | 1 |
| 38 | Observation of defect-independent ab-plane vortex dynamics in YBa ₂ Cu ₃ O ₇ single crystals with the third harmonic transmittivity measurements. <i>European Physical Journal D</i> , 1996 , 46, 1659-1660 | | 1 |
| 37 | Flux-flop in high temperature superconducting crystals with columnar defects. <i>Journal of Applied Physics</i> , 1993 , 73, 5862-5864 | 2.5 | 1 |
| 36 | Effects of irradiation on magnetization curves in high temperature superconductors. <i>Applied Superconductivity</i> , 1993 , 1, 323-331 | | 1 |
| 35 | Quantum tunneling of flux lines in superconductors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993 , 200, 420-425 | 3.3 | 1 |
| 34 | Suppression of anharmonic phonons and s-wave superconductivity by defects in the filled skutterudite LaRu ₄ As ₁₂ . <i>Physical Review Research</i> , 2020 , 2, | 3.9 | 1 |
| 33 | Nature of Vortex Liquid in Heavy-Ion Irradiated Bi ₂ Sr ₂ CaCu ₂ O _{8+y} 1999 , 571-574 | | 1 |
| 32 | Mechanical detwinning device for anisotropic resistivity measurements in samples requiring dismounting for particle irradiation. <i>Review of Scientific Instruments</i> , 2020 , 91, 073904 | 1.7 | 0 |
| 31 | Synthesis and characterization of a SbTe/BiTe p-n junction heterostructure via electrodeposition in nanoporous membranes. <i>IScience</i> , 2021 , 24, 102694 | 6.1 | 0 |
| 30 | Probing spin chirality of photoexcited topological insulators with circular dichroism: multi-dimensional time-resolved ARPES on Bi ₂ Te ₂ Se and Bi ₂ Se ₃ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021 , 253, 147125 | 1.7 | 0 |
| 29 | Entropy jump at the first-order vortex phase transition in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} with columnar defects. <i>Materials Today: Proceedings</i> , 2019 , 14, 30-33 | 1.4 | |
| 28 | Novel vortex distribution in the pyrochlore superconductor KOs ₂ O ₆ . <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052233 | 0.3 | |
| 27 | Magneto-optical imaging of exotic superconductors. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 012052 | 0.3 | |
| 26 | Enhancement of the field of first flux penetration due to Andreev bound states in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S241-S242 | 1.3 | |
| 25 | Lower critical fields and the anisotropy in PrFeAsO ₁₁ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S485-S486 | 1.3 | |

- 24 Bose-glass and entanglement - disentanglement transitions in YBa₂Cu₃O₇. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 2053-2054 1.3
- 23 Influence of columnar defects on interlayer coherence in Bi₂Sr₂CaCu₂O_{8+y} from Josephson plasma resonance. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 2073-2074 1.3
- 22 Josephson plasma resonance in Bi₂Sr₂CaCu₂O_{8+y} with columnar defects. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 2427-2428 1.3
- 21 Interlayer phase coherence in the vortex state of Bi₂Sr₂CaCu₂O_{8+y} probed by Josephson plasma resonance. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 391-394 1.3
- 20 Intrinsic and disorder-induced anisotropic vortex dynamics of high-temperature superconductors. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 1943-1944 1.3
- 19 Angular dependence of the first-order vortex-lattice phase transition in Bi₂Sr₂CaCu₂O₈. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 2045-2046 1.3
- 18 Local magnetization study of the first-order superconducting transition in CeCoIn₅. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 3208-3210 3.9
- 17 Local magnetization measurements of the first-order transition of CeCoIn₅. *Physica B: Condensed Matter*, **2008**, 403, 871-873 2.8
- 16 Vortex quasicrystalline to disordered solid transition in strongly underdoped Bi₂Sr₂CaCu₂O_{8+x} single crystals. *Physica B: Condensed Matter*, **2002**, 319, 303-309 2.8
- 15 Josephson plasma resonance in partially irradiated Bi₂Sr₂CaCu₂O_{8+y}. *Physica C: Superconductivity and Its Applications*, **2003**, 388-389, 423-424 1.3
- 14 Microwave response in Bi₂Sr₂CaCu₂O_{8+y} with spatially distributed interlayer phase coherence. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 378-381 1.3
- 13 Heat capacity of YNi₂B₂C in the vortex state: evidence of the extended s-wave state. *Physica C: Superconductivity and Its Applications*, **2001**, 357-360, 513-516 1.3
- 12 Vortex states in Bi₂Sr₂CaCu₂O_{8+y} with tilted columnar defects probed by Josephson plasma resonance. *Physica C: Superconductivity and Its Applications*, **2001**, 362, 239-243 1.3
- 11 Interaction between columnar defects and pancake vortices in Bi₂Sr₂CaCu₂O_{8+y} studied by Josephson plasma resonance. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 973-976 1.3
- 10 Current-enhanced anisotropy of Bi₂Sr₂CaCu₂O₈ in the mixed state. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 985-986 1.3
- 9 Vortex phases and c-axis correlation in as-grown and heavy ion irradiated Bi₂Sr₂Ca₂Cu₃O₁₀ + δ tapes: a flux transformer experiment. *Superconductor Science and Technology*, **2000**, 13, 337-342 3.1
- 8 Angular anisotropy of the irreversibility line in thin YBa₂Cu₃O₇ films: pinning in vortex liquid. *European Physical Journal D*, **1996**, 46, 1535-1536
- 7 Angular Dependence of Josephson Plasma Resonance in Bi₂Sr₂CaCu₂O_{8+y} with Columnar Defects **2000**, 302-307

- 6 Magnetization Behavior of BSCCO with Various Configuration of Columnar Defects **2000**, 311-313
- 5 First Order Transition of the Vortex Lattice in Disordered Bi-2212 Crystals **2004**, 79-86
- 4 Study of Excimer Laser Irradiation Effects on Properties of Crystalline YBaCuO Thin Films. *Acta Physica Polonica A*, **2004**, 106, 681-685 0.6
- 3 Influence of Columnar Defects on the Reversible Magnetization of Bi2212 **1998**, 95-98
- 2 Vortex Dynamics in Ferromagnetic/Superconducting Bilayers. *Acta Physica Polonica A*, **2008**, 114, 23-28 0.6
- 1 Bridge in micron-sized Bi₂Sr₂CaCu₂O_{8+y} sample act as converging lens for vortices. *Physica C: Superconductivity and Its Applications*, **2021**, 590, 1353948 1.3