

W-K Kwok

List of Publications by Year in descending order

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367
papers

19,467
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10986

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times ranked

9582
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural properties of oxygen-deficient $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 1990, 41, 1863-1877.	3.2	1,190
2	Emission of Coherent THz Radiation from Superconductors. <i>Science</i> , 2007, 318, 1291-1293.	12.6	678
3	Magnetic measurements of the upper critical field of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Physical Review Letters</i> , 1989, 62, 1908-1911.	7.8	634
4	A new ambient-pressure organic superconductor, $\kappa\text{-(ET)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$, with the highest transition temperature yet observed (inductive onset $T_c = 11.6$ K, resistive onset = 12.5 K). <i>Inorganic Chemistry</i> , 1990, 29, 2555-2557.	4.0	630
5	From semiconductor-semiconductor transition (42 K) to the highest- T_c organic superconductor, $\kappa\text{-(ET)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ ($T_c = 12.5$ K). <i>Inorganic Chemistry</i> , 1990, 29, 3272-3274.	4.0	478
6	Vortex lattice melting in untwinned and twinned single crystals of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review Letters</i> , 1992, 69, 3370-3373.	7.8	428
7	Organic Superconductors—New Benchmarks. <i>Science</i> , 1991, 252, 1501-1508.	12.6	385
8	Structural and superconducting properties of orthorhombic and tetragonal $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$: The effect of oxygen stoichiometry and ordering on superconductivity. <i>Physical Review B</i> , 1987, 36, 5731-5734.	3.2	366
9	Calorimetric measurement of the latent heat of vortex-lattice melting in untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Nature</i> , 1996, 382, 791-793.	27.8	360
10	Direct observation of dissipative flux motion and pinning by twin boundaries in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Physical Review Letters</i> , 1990, 64, 966-969.	7.8	349
11	Two-Band Superconductivity in MgB_2 . <i>Physical Review Letters</i> , 2002, 89, 187002.	7.8	306
12	Enhanced critical magnetization currents due to fast neutron irradiation in single-crystal $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 1987, 36, 7151-7154.	3.2	287
13	Thermodynamic Evidence for a Flux Line Lattice Melting Transition in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review Letters</i> , 1996, 76, 4809-4812.	7.8	270
14	High-field scaling behavior of thermodynamic and transport quantities of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ near the superconducting transition. <i>Physical Review Letters</i> , 1991, 67, 3180-3183.	7.8	264
15	Hydrogen Gas Sensing with Networks of Ultrasmall Palladium Nanowires Formed on Filtration Membranes. <i>Nano Letters</i> , 2011, 11, 262-268.	9.1	221
16	Superconductivity in $\text{YBa}_2\text{SrxCu}_3\text{O}_{7-x}$. <i>Applied Physics Letters</i> , 1987, 51, 279-281.	3.3	213
17	Fabrication of Alumina Nanotubes and Nanowires by Etching Porous Alumina Membranes. <i>Nano Letters</i> , 2002, 2, 1293-1297.	9.1	210
18	Self-assembled monolayer-enhanced hydrogen sensing with ultrathin palladium films. <i>Applied Physics Letters</i> , 2005, 86, 203104.	3.3	206

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19	Peak Effect as a Precursor to Vortex Lattice Melting in Single Crystal $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review Letters, 1994, 73, 2614-2617.	7.8	192
20	Scanning Tunneling Spectroscopy in MgB_2 . Physical Review Letters, 2001, 86, 4374-4377.	7.8	185
21	Anisotropy of the upper critical field and critical current in single crystal MgB_2 . Physical Review B, 2002, 66, .	3.2	176
22	Vortex liquid disorder and the first order melting transition in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review Letters, 1994, 72, 1092-1095.	7.8	173
23	Self-Assembled Magnetic Surface Swimmers. Physical Review Letters, 2009, 102, 118103.	7.8	173
24	Direct observation of intrinsic pinning by layered structure in single-crystal $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review Letters, 1991, 67, 390-393.	7.8	157
25	Vortices in high-performance high-temperature superconductors. Reports on Progress in Physics, 2016, 79, 116501.	20.1	157
26	Anisotropic Latent Heat of Vortex-Lattice Melting in Untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review Letters, 1997, 78, 4833-4836.	7.8	155
27	Tuning the Architecture of Mesostructures by Electrodeposition. Journal of the American Chemical Society, 2004, 126, 2316-2317.	13.7	155
28	Vortex Liquid State in an Electron Irradiated Untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Crystal. Physical Review Letters, 1995, 74, 1210-1213.	7.8	154
29	Weak ferromagnetism in $\text{Pr}(\text{ET})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$, where (ET) is bis(ethylenedithio)tetrathiafulvalene. Physical Review Letters, 1992, 69, 840-843.	7.8	153
30	Direct observation of tetrahertz electromagnetic waves emitted from intrinsic Josephson junctions in single crystalline $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+x$. Physica C: Superconductivity and Its Applications, 2008, 468, 634-639.	1.2	148
31	Hybrid magnonics: Physics, circuits, and applications for coherent information processing. Journal of Applied Physics, 2020, 128, .	2.5	141
32	Electronic and magnetic properties of rare-earth ions in $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$ (RE=Dy, Ho, Er). Journal of Magnetism and Magnetic Materials, 1987, 68, L139-L144.	2.3	137
33	Suppression of the first order vortex melting transition by intrinsic pinning in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review Letters, 1994, 72, 1088-1091.	7.8	135
34	A new ambient-pressure organic superconductor: $(\text{BEDT-TTF})_2(\text{NH}_4)\text{Hg}(\text{SCN})_4$. Physica C: Superconductivity and Its Applications, 1990, 166, 57-61.	1.2	134
35	Fabrication of Palladium Nanotubes and Their Application in Hydrogen Sensing. Chemistry of Materials, 2005, 17, 3445-3450.	6.7	132
36	Origin of the turn-on temperature behavior in WTe_2 . Physical Review B, 2015, 92, .	1.2	132

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37	Large anisotropic critical magnetization currents in single-crystal $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 1987, 36, 4021-4024.	3.2	129
38	The upper critical field of untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 161, 1-5.	1.2	123
39	The first ambient pressure organic superconductor containing oxygen in the donor molecule, $\beta\text{-m}(\text{BEDO-TTF})_2\text{Cu}(\text{NCS})_2$, $T_c = 1.06$ K. <i>Inorganic Chemistry</i> , 1990, 29, 1599-1601.	4.0	123
40	Rewritable artificial magnetic charge ice. <i>Science</i> , 2016, 352, 962-966.	12.6	122
41	Strong Coupling between Magnons and Microwave Photons in On-Chip Ferromagnet-Superconductor Thin-Film Devices. <i>Physical Review Letters</i> , 2019, 123, 107701.	7.8	121
42	Anisotropy and Lorentz-force dependence of twin-boundary pinning and its effect on flux-lattice melting in single-crystal $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 1993, 47, 14448-14461.	3.2	117
43	Electronic behavior of oxygen-deficient $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 1988, 37, 106-110.	3.2	113
44	Temperature-Dependent Three-Dimensional Anisotropy of the Magnetoresistance in WTe_2 . <i>Physical Review Letters</i> , 2015, 115, 046602.	7.8	113
45	Nickel antidot arrays on anodic alumina substrates. <i>Applied Physics Letters</i> , 2002, 81, 2869-2871.	3.3	111
46	Magnetization hysteresis and flux pinning in twinned and untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Applied Physics Letters</i> , 1990, 57, 84-86.	3.3	110
47	New $\hat{\rho}$ -phase materials, $\hat{\rho}\text{-(ET)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{X}$, X=Cl, Br and I. The synthesis, structure and superconductivity above 11 K in the Cl ($T_c = 12.8$ K, 0.3 kbar) and Br ($T_c = 11.6$ K) salts. <i>Synthetic Metals</i> , 1991, 42, 1983-1990.	3.9	108
48	Powerful terahertz emission from $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8-x}$ mesa arrays. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	107
49	An unusual phase transition to a second liquid vortex phase in the superconductor $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Nature</i> , 2001, 411, 448-451.	27.8	104
50	Tunable terahertz emission from $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8-x}$ mesa arrays. <i>Applied Physics Letters</i> , 2013, 103, .	3.2	103
51	Unusual behavior in the upper critical magnetic fields of the ambient-pressure organic superconductor $\hat{\rho}\text{-(BEDT-TTF)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ [where BEDT-TTF represents bis(ethylenedithio)tetrathiofulvalene]. <i>Physical Review B</i> , 1990, 42, 8686-8689.	3.2	96
52	Dynamic Self-Assembly and Patterns in Electrostatically Driven Granular Media. <i>Physical Review Letters</i> , 2003, 90, 114301.	7.8	95
53	Networks of Ultrasmall Pd/Cr Nanowires as High Performance Hydrogen Sensors. <i>ACS Nano</i> , 2011, 5, 7443-7452.	14.6	93
54	Direct Observation of Geometrical Phase Transitions in Mesoscopic Superconductors by Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 2005, 95, 167002.	7.8	92

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55	Static and Dynamic Vortex Phases in $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Physical Review Letters</i> , 1996, 77, 2073-2076.	7.8	89
56	Growth and superconductivity of FeSe_x crystals. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	89
57	a-b anisotropy of the normal-state resistivity of untwinned $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Physical Review B</i> , 1990, 42, 10189-10191.	3.2	88
58	Experimental Evidence for the Vortex Glass Phase in Untwinned, Proton Irradiated $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Physical Review Letters</i> , 2000, 84, 5852-5855.	7.8	88
59	Effects of 1-GeV uranium ion irradiation on vortex pinning in single crystals of the high-temperature superconductor $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Physical Review B</i> , 1997, 56, 913-924.	3.2	87
60	Superconducting transition and phase diagram of single-crystal MgB_2 . <i>Physical Review B</i> , 2003, 67, .	3.2	86
61	First-Order Vortex-Lattice Melting Transition in $\text{YBa}_2\text{Cu}_3\text{O}_7$ near the Critical Temperature Detected by Magnetic Torque. <i>Physical Review Letters</i> , 1998, 81, 4236-4239.	7.8	84
62	Spatially Resolved Dynamic Correlation in the Vortex State of High Temperature Superconductors. <i>Physical Review Letters</i> , 1999, 82, 1277-1280.	7.8	84
63	Driven Magnetic Particles on a Fluid Surface: Pattern Assisted Surface Flows. <i>Physical Review Letters</i> , 2007, 99, 158301.	7.8	84
64	Guiding superconducting vortices with magnetic domain walls. <i>Physical Review B</i> , 2008, 77, .	3.2	81
65	Electrostatically Driven Granular Media: Phase Transitions and Coarsening. <i>Physical Review Letters</i> , 2000, 84, 3306-3309.	7.8	80
66	High, magnetic field independent critical currents in $(\text{Ba},\text{K})\text{Fe}_2\text{As}_2$ crystals. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	79
67	Pinned Vortex Liquid above the Critical Point of the First-Order Melting Transition: A Consequence of Pointlike Disorder. <i>Physical Review Letters</i> , 1998, 80, 1070-1073.	7.8	78
68	Surface Wave Assisted Self-Assembly of Multidomain Magnetic Structures. <i>Physical Review Letters</i> , 2006, 96, 078701.	7.8	77
69	Realization of Artificial Ice Systems for Magnetic Vortices in a Superconducting MoGe Thin Film with Patterned Nanostructures. <i>Physical Review Letters</i> , 2013, 111, 067001.	7.8	74
70	Structure Formation in Electromagnetically Driven Granular Media. <i>Physical Review Letters</i> , 2005, 94, 108002.	7.8	73
71	Large Magnetoresistance Oscillations in Mesoscopic Superconductors due to Current-Excited Moving Vortices. <i>Physical Review Letters</i> , 2012, 109, 057004.	7.8	73
72	Normal- and superconducting-state properties of $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 1987, 35, 5343-5346.	3.2	72

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73	Huge critical current density and tailored superconducting anisotropy in SmFeAsO _{0.8} F _{0.15} by low-density columnar-defect incorporation. <i>Nature Communications</i> , 2013, 4, 2655.	12.8	70
74	Doubling the critical current density of high temperature superconducting coated conductors through proton irradiation. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	70
75	Enhanced Electron Transport in Dye-Sensitized Solar Cells Using Short ZnO Nanotips on A Rough Metal Anode. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20521-20526.	3.1	68
76	London penetration depth in $Ba_{1-x}K_xBiO_3$. <i>Physical Review B</i> , 2010, 82, .	3.2	61
77	Enhancing the critical current of a superconducting film in a wide range of magnetic fields with a conformal array of nanoscale holes. <i>Physical Review B</i> , 2013, 87, .	3.2	66
78	Synthesis, ESR studies, band electronic structure, and superconductivity in the (BEDT-TTF) ₂ M(NCS) ₂ system (M = copper, silver, gold, BEDT-TTF = bis(ethylenedithio)tetrathiafulvalene). <i>Inorganic Chemistry</i> , 1988, 27, 965-967.	4.0	64
79	Pressure dependence of the superconducting transition temperature of potassium fullerene, K _x C ₆₀ . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 178, 137-139.	1.2	64
80	Rapid doubling of the critical current of YBa ₂ Cu ₃ O _{7-δ} coated conductors for viable high-speed industrial processing. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	64
81	Nanowires and Nanoribbons of Charge-Density-Wave Conductor NbSe ₃ . <i>Nano Letters</i> , 2005, 5, 397-401.	9.1	62
82	Anisotropic phase diagram and strong coupling effects in $Ba_{1-x}K_xBiO_3$. <i>Physical Review B</i> , 2009, 79, .	3.2	61
83	Superconducting diode effect via conformal-mapped nanoholes. <i>Nature Communications</i> , 2021, 12, 2703.	12.8	61
84	Synthesis, structure, and superconductivity of single crystals of high-T _c La _{1.85} Sr _{0.15} CuO ₄ , a lanthanum strontium copper oxide. <i>Inorganic Chemistry</i> , 1987, 26, 1190-1192.	4.0	60
85	Amplification of the c-axis vortex correlation by twin-boundary pinning at the vortex liquid-solid phase transition. <i>Physical Review B</i> , 1996, 53, R8895-R8897.	3.2	60
86	Vortex Shear Modulus and Lattice Melting in Twin Boundary Channels of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review Letters</i> , 1996, 76, 4596-4599.	7.8	60
87	The upper critical field of Ba _{1-x} K _x BiO ₃ . <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 27-34.	1.2	57
88	Synthesis of the new highest T _c ambient-pressure organic superconductor, κ -(BEDT-TTF) ₂ Cu[N(CN) ₂]Br, by five different routes. <i>Chemistry of Materials</i> , 1990, 2, 482-484.	6.7	57
89	Critical Points in Heavy Ion Irradiated Untwinned YBa ₂ Cu ₃ O _{7-δ} Crystals. <i>Physical Review Letters</i> , 2000, 84, 3706-3709.	7.8	56
90	Modification of vortex behavior through heavy ion lithography. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 382, 137-141.	1.2	56

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91	Calorimetric determination of the upper critical fields and anisotropy of NdFeAsO _{1-x} F single crystals. <i>Physical Review B</i> , 2008, 78, .	3.2	56
92	Direct imaging of hot spots in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ mesa terahertz sources. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	56
93	Evidence of nodes in the order parameter of the superconducting doped topological insulator Bi_2Se_3 via penetration depth measurements. <i>Physical Review B</i> , 2016, 94, .	3.2	56
94	Catalyst-Free Growth of Millimeter-Long Topological Insulator Bi ₂ Se ₃ Nanoribbons and the Observation of the π -Berry Phase. <i>Nano Letters</i> , 2012, 12, 6164-6169.	9.1	54
95	Toward Superconducting Critical Current by Design. <i>Advanced Materials</i> , 2016, 28, 4593-4600.	21.0	53
96	Bose glass transition in columnar-defected untwinned YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 2002, 65, .	3.2	52
97	Twin-boundary effects on flux entry and lower critical fields in single-crystal YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1990, 42, 8744-8747.	3.2	51
98	Periodic and Disordered Structures in a Modulated Gas-Driven Granular Layer. <i>Physical Review Letters</i> , 2003, 90, 134301.	7.8	50
99	Imaging atomic-scale effects of high-energy ion irradiation on superconductivity and vortex pinning in Fe(Se,Te). <i>Science Advances</i> , 2015, 1, e1500033.	10.3	50
100	Robust odd-parity superconductivity in the doped topological insulator Bi_2Se_3 . <i>Physical Review B</i> , 2017, 96, .	3.2	50
101	Switchable geometric frustration in an artificial-spin-ice "superconductor heterosystem. <i>Nature Nanotechnology</i> , 2018, 13, 560-565.	31.5	50
102	Origin of the extremely large magnetoresistance in the semimetal YSb. <i>Physical Review B</i> , 2017, 96, .	3.2	49
103	High-field magnetoresistance and de Haas-van Alphen effect in antiferromagnetic PrB ₆ and NdB ₆ . <i>Physical Review B</i> , 1989, 40, 11195-11207.	3.2	47
104	Magnetic measurements of the upper and lower critical fields of oxygen-deficient YBa ₂ Cu ₃ O _{7-δ} single crystals. <i>Physical Review B</i> , 1991, 43, 13042-13048.	3.2	46
105	Dynamic self-assembly of magnetic particles on the fluid interface: Surface-wave-mediated effective magnetic exchange. <i>Physical Review E</i> , 2006, 73, 041306.	2.1	46
106	Doping- and irradiation-controlled pinning of vortices in BaFe ₂ As ₂ . <i>Physical Review B</i> , 2017, 96, .		

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109	Magnetic and resistive measurements of the superconducting critical fields of melt-cast $\text{Ba}_{0.65}\text{K}_{0.35}\text{BiO}_3$. <i>Physical Review B</i> , 1989, 40, 9400-9403.	3.2	44
110	Two-band effects in the angular dependence of H_{c2} of MgB_2 single crystals. <i>Physical Review B</i> , 2004, 70, .	3.2	44
111	The loss of vortex line tension sets an upper limit to the irreversibility line in $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Nature Physics</i> , 2006, 2, 402-407.	16.7	44
112	Terahertz wave emission from intrinsic Josephson junctions in high- T_c superconductors. <i>Superconductor Science and Technology</i> , 2009, 22, 114009.	3.5	44
113	Matching effect and dynamic phases of vortex matter in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ nanoribbon with a periodic array of holes. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	44
114	Three-Dimensional Photonic Crystal Fluorinated Tin Oxide (FTO) Electrodes: Synthesis and Optical and Electrical Properties. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1101-1108.	8.0	44
115	Coherent Coupling of Two Remote Magnonic Resonators Mediated by Superconducting Circuits. <i>Physical Review Letters</i> , 2022, 128, 047701.	7.8	44
116	Anisotropic phase diagram and superconducting fluctuations of single-crystalline SmFeAsO . $F < \frac{0.85}{\mu_0} < \frac{0.85}{\mu_0} < \frac{0.85}{\mu_0}$	3.2	43
117	Vortex interaction enhanced saturation number and caging effect in a superconducting film with a honeycomb array of nanoscale holes. <i>Physical Review B</i> , 2012, 85, .	3.2	43
118	Angular dependence of the upper critical field of $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals. <i>Physical Review B</i> , 1989, 40, 5263-5265.	3.2	42
119	Engineered Pinning Landscapes for Enhanced 2G Coil Wire. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-4.	1.7	42
120	The first organic cation-radical salt superconductor ($T_c = 4$ K) with an organometallic anion: superconductivity, synthesis and structure of $\text{[BEDT-TTF]}_2\text{Cu}(\text{CF}_3)_4\text{A-TCE}$. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, .	2.0	41
121	Surface contribution to the superconducting properties of MgB_2 single crystals. <i>Physical Review B</i> , 2003, 68, .	3.2	41
122	Crystal growth and superconductivity in the Bi-Ca-Sr-Cu-O system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988, 127, 444-446.	2.1	40
123	Superconductivity up to 11.1 K in three solvated salts composed of $[\text{Ag}(\text{CF}_3)_4]^{+}$ and the organic electron-donor molecule bis(ethylenedithio) tetrathiafulvalene (ET). <i>Physica C: Superconductivity and Its Applications</i> , 1994, 233, 379-386.	1.2	40
124	Influence of twin planes in $\text{YBa}_2\text{Cu}_3\text{O}_7$ on magnetic flux movement and current flow. <i>Physical Review B</i> , 1997, 55, 3268-3275.	3.2	40
125	Effect of disorder in MgB_2 thin films. <i>Physical Review B</i> , 2005, 71, .	3.2	40
126	Mixed Valency in $\text{Yb}_7\text{Co}_4\text{InGe}_{12}$: A Novel Intermetallic Compound Stabilized in Liquid Indium. <i>Chemistry of Materials</i> , 2007, 19, 4769-4775.	6.7	40

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dependence of the specific heat of single-crystal BaFe₂As₂

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145	General Features of Quantum Creep in High-Tc Superconductors. Physical Review Letters, 1998, 80, 4293-4296.	7.8	33
146	Enhanced Electron Collection in TiO ₂ Nanoparticle-Based Dye-Sensitized Solar Cells by an Array of Metal Micropillars on a Planar Fluorinated Tin Oxide Anode. Journal of Physical Chemistry C, 2010, 114, 19151-19156.	3.1	32
147	Nanocalorimetric evidence for nematic superconductivity in the doped topological insulator Sr <math>0.1< math><br=""></math>0.1<> Physical Review B, 2018, 98, .	3.2	32
148	Effect of hexagonal patterned arrays and defect geometry on the critical current of superconducting films. Physical Review B, 2017, 95, .	3.2	31
149	Synthesis and superconducting properties of niobium nitride nanowires and nanoribbons. Applied Physics Letters, 2007, 91, .	3.3	30
150	Dirac fermions and superconductivity in the homologous structures$$		

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163	Enhancement of the critical current density by increasing the collective pinning energy in heavy ion irradiated Co-doped BaFe ₂ As ₂ single crystals. Superconductor Science and Technology, 2015, 28, 055011.	3.5	23
164	Crossing fields in thin films of isotropic superconductors. Physical Review B, 2016, 94, .	3.2	23
165	Shape of the upper-critical-field curves in URu ₂ Si ₂ : Evidence for anisotropic pairing. Physical Review B, 1990, 41, 11649-11652.	3.2	22
166	Order of the fundamental vortex transformation in YBa ₂ Cu ₃ O _{7-δ} . Physical Review B, 1995, 51, 9148-9154.	3.2	22
167	Rayleigh instability of confined vortex droplets in critical superconductors. Nature Physics, 2015, 11, 21-25.	16.7	22
168	Strongly fluctuating moments in the high-temperature magnetic superconductor $\text{RbEuFe}_4\text{As}_2$. Physical Review B, 2019, 99, .	3.2	21
169	Static and dynamic vortex transitions in clean YBa ₂ Cu ₃ O ₇ . Journal of Low Temperature Physics, 1996, 105, 1073-1082.	1.4	21
170	Effect of sample geometry on the phase boundary of a mesoscopic superconducting loop. Physical Review B, 2009, 80, .	3.2	21
171	Current Filamentation in Large $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ mesas for THz emission. Physical Review Applied, 2015, 3, .	3.8	21
172	The ac Josephson relation and inhomogeneous temperature distributions in large $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ mesas for THz emission. Superconductor Science and Technology, 2013, 26, 085016.	3.5	20
173	Enhancing superconducting critical current by randomness. Physical Review B, 2016, 93, .	3.2	20
174	Parallel magnetic field suppresses dissipation in superconducting nanostrips. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10274-E10280.	7.1	20
175	Targeted evolution of pinning landscapes for large superconducting critical currents. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10291-10296.	7.1	20
176	Nontrivial Fermi surface topology of the kagome superconductor CsV_3Sb_5 probed by de Haas-van Alphen oscillations. Physical Review B, 2022, 105, .	3.2	20
177	Magneto-resistive effects in the upper critical fields of heavy-fermion superconductors. Physical Review B, 1987, 36, 7155-7158.	3.2	19
178	How well do we understand the synthesis of (ET) 2I3 by electrocrystallization? ESR and X-ray identification of (ET) 2I3 crystals which are mixtures of phases and observation of high-T _c states of (ET) 2I3, ranging from 2.5-6.9 K. Synthetic Metals, 1988, 27, A195-A207.	3.9	19
179	Anomalous pressure dependence of the superconducting transition temperature of (ET)4Hg ₂ Br ₈ . Physica C: Superconductivity and Its Applications, 1989, 161, 412-414.	1.2	19
180	Experimental comparison of the effect that bulk pinning and surface barriers have on vortex motion in the vortex liquid state of Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals. Physical Review B, 1998, 58, R8913-R8916.	3.2	19

#	ARTICLE	IF	CITATIONS
181	Flux screening role of c -axis atomic displacements in $YBa_2Cu_3O_{7-x}$ related superconductors. Physical Review B, 2016, 93, .	3.2	19
182	Magnetic gates and guides for superconducting vortices. Physical Review B, 2017, 95, .	3.2	19
183	Dynamic Correlation in Driven Vortex Phases. Journal of Low Temperature Physics, 1999, 117, 1313-1322.	1.4	18
184	Magnetoresistance oscillations in superconducting granular niobium nitride nanowires. Physical Review B, 2009, 80, .	3.2	18
185	Specific heat and phase diagrams of single crystal iron pnictide superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 575-581.	1.2	18
186	Hydrogen responses of ultrathin Pd films and nanowire networks with a Ti buffer layer. Journal of Materials Science, 2012, 47, 6647-6651.	3.7	18
187	Effect of proton irradiation on superconductivity in optimally doped $BaFe_2(As_{1-x}P_x)_2$ single crystals. Physical Review B, 2016, 93, .	3.2	18
188	Nanocalorimeter platform for in situ specific heat measurements and x-ray diffraction at low temperature. Review of Scientific Instruments, 2017, 88, 125108.	1.3	18
189	Negative longitudinal magnetoresistance in gallium arsenide quantum wells. Nature Communications, 2019, 10, 287.	12.8	18
190	Temperature and magnetic-field dependence of quantum creep in various high- T_c superconductors. Physical Review B, 1999, 59, 7222-7237.	3.2	17
191	Vortex-lattice melting in untwinned $YBa_2Cu_3O_{7-x}$. Physical Review B, 2002, 65, .	3.2	17
192	Self-diffusion of particles in gas-driven granular layers with periodic flow modulation. Physical Review E, 2005, 72, 040301.	2.1	17
193	Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. Nature Communications, 2019, 10, 2875.	12.8	17
194	Melting of vortex lattice in the magnetic superconductor $RbEuFe_2As_2$. Physical Review B, 2019, 100, .	12.2	17
195	Magnetic order in the ternary compound $NdRu_2Ge_2$. Journal of Magnetism and Magnetic Materials, 1987, 69, 305-310.	2.3	16
196	Vortex Flow and Transverse Flux Screening at the Bose Glass Transition. Physical Review Letters, 2000, 84, 4974-4977.	7.8	16
197	Microscopic parameters from high-resolution specific heat measurements on superoptimally substituted $BaFe_2As_2$. Physical Review B, 2016, 93, .	3.2	16
198	Switchable X-Ray Orbital Angular Momentum from an Artificial Spin Ice. Physical Review Letters, 2021, 126, 117201.	7.8	16

#	ARTICLE	IF	CITATIONS
199	4f Hybridization in the Cyclotron Mass of PrB_6 and PrCu_6 . Japanese Journal of Applied Physics, 1987, 26, 509.	1.5	16
200	Extended Kohler's Rule of Magnetoresistance. Physical Review X, 2021, 11, .	8.9	16
201	Flux pinning and twin boundaries in $\text{YBa}_2\text{Ca}_3\text{O}_{7-x}$. Superconductor Science and Technology, 1989, 2, 255-260.	3.5	15
202	Effect of gold impurities on the superconducting fluctuations and the upper critical field of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals. Physical Review B, 1993, 47, 12369-12372.	3.2	15
203	Contactless characterization of melt-textured superconducting junctions using micro-Hall sensor arrays. Journal of Applied Physics, 1999, 86, 6282-6286.	2.5	15
204	The effect of disorder on the critical points in the vortex phase diagram of YBCO. Physica C: Superconductivity and Its Applications, 2000, 332, 71-79.	1.2	15
205	Directional scanning tunneling spectroscopy in MgB_2 . Physica C: Superconductivity and Its Applications, 2003, 385, 215-220.	1.2	15
206	Self-induced magnetic flux structure in the magnetic superconductor RbEuFeAs_4 . Physical Review B, 2019, 99, .	3.2	15
207	Self-induced magnetic flux structure in the magnetic superconductor RbEuFeAs_4 . Physical Review B, 2019, 100, .	3.2	15
208	The Quest for High Critical Current in Applied High-Temperature Superconductors. Journal of Superconductivity and Novel Magnetism, 2020, 33, 127-141.	1.8	15
209	Observing the Suppression of Superconductivity in RbEuFeAs_4 by Correlated Magnetic Fluctuations. Physical Review Letters, 2021, 126, 157001.	7.8	15
210	Signature of the matching field in Bose-glass melting of untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals. Physical Review B, 1999, 59, R11665-R11667.	3.2	14
211	Upper critical magnetic fields in single crystal MgB_2 . Superconductor Science and Technology, 2003, 16, 193-198.	3.5	14
212	MgB_2 : directional tunnelling and two-band superconductivity. Superconductor Science and Technology, 2003, 16, 156-161.	3.5	14
213	Characterization of off-axis MgB_2 epitaxial thin films for planar junctions. Applied Physics Letters, 2005, 87, 242506.	3.3	14
214	Two-Dimensional Mineral $[\text{Pb}_2\text{BiS}_3][\text{AuTe}_2]$: High-Mobility Charge Carriers in Single-Atom-Thick Layers. Journal of the American Chemical Society, 2015, 137, 2311-2317.	13.7	14
215	Vortex cutting in superconductors. Physical Review B, 2016, 94, .	3.2	14
216	Manipulating Abrikosov vortices with soft magnetic stripes. Physical Review B, 2017, 95, .	3.2	14

#	ARTICLE	IF	CITATIONS
217	Superconductivity, pairing symmetry, and disorder in the doped topological insulator $\text{Sn}_{1-x}\text{Te}_x$. Physical Review B, 2018, 97, .	3.2	14
218	High Hole Mobility and Nonsaturating Giant Magnetoresistance in the New 2D Metal NaCu_4Se_4 Synthesized by a Unique Pathway. Journal of the American Chemical Society, 2019, 141, 635-642.	13.7	14
219	Pinning in twin boundaries of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals. Superconductor Science and Technology, 1991, 4, S106-S108.	3.5	13
220	Microstructure dependence of the c-axis critical current density in second-generation YBCO tapes. Journal of Applied Physics, 2011, 110, .	2.5	13
221	Pinning, flux diodes and ratchets for vortices interacting with conformal pinning arrays. Physica C: Superconductivity and Its Applications, 2017, 533, 148-153.	1.2	13
222	Charge density wave and superconductivity competition in $\text{Lu}_{1-x}\text{Ce}_x\text{Ni}_2\text{B}_2\text{C}$: A proton irradiation study. Physical Review B, 2020, 102, .	3.5	13
223	Thermal conversion of \hat{I}_{\pm} -(BEDT-TTF) $_2$ Br $_2$ to superconducting \hat{I}^2 -(BEDT-TTF) $_2$ Br $_2$. Solid State Communications, 1988, 66, 1113-1116.	1.9	12
224	Band-narrowing effects in URh_3Bx . Physical Review B, 1989, 39, 5640-5646.	3.2	12
225	The upper critical field of untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ crystals. Physica B: Condensed Matter, 1990, 163, 473-475.	2.7	12
226	Positive curvature in the upper critical field of heavy fermion superconductors. Physica B: Condensed Matter, 1990, 163, 499-503.	2.7	12
227	Resistive dissipation in imperfect crystals of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. Applied Physics Letters, 1990, 57, 1268-1270.	3.3	12
228	Fast vortex motion and filamentary phase separation in high-T $_c$ thin films. Physical Review B, 2000, 61, 11711-11721.	3.2	12
229	Magnetoresistance Anisotropy of a One-Dimensional Superconducting Niobium Strip. Physical Review Letters, 2008, 101, 077003.	7.8	12
230	Large enhancement of the in-field critical current density of YBCO coated conductors due to composite pinning landscape. Superconductor Science and Technology, 2021, 34, 015011.	3.5	12
231	Effect of magnetic impurities on high-temperature superconductivity in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. Physical Review B, 1987, 36, 5258-5262.	3.2	11
232	Anisotropy of magnetization discontinuity at vortex-lattice melting in untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. Physical Review B, 2000, 61, 3592-3603.	3.2	11
233	Growth and Properties of Superconducting Anisotropic Lead Nanoprisms. Journal of Physical Chemistry C, 2007, 111, 3548-3550.	3.1	11
234	Magnetically driven surface mixing. Physical Review E, 2009, 80, 011310.	2.1	11

ARTICLE critical field of isoelectron substituted SrFe $\langle\text{mml:math display=$ IF CITATIONS

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235

#	ARTICLE	IF	CITATIONS
253	Anisotropic superconducting phase diagram of C6Ca. Physica C: Superconductivity and Its Applications, 2006, 439, 43-46.	1.2	9
254	Resistance anomaly in disordered superconducting films. Applied Physics Letters, 2007, 90, 072507.	3.3	9
255	Membrane-based calorimetry for studies of sub-microgram samples. Journal of Physics: Conference Series, 2009, 150, 052256.	0.4	9
256	Vortex dynamics in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ with in-plane columnar defects introduced by irradiation. Physica C: Superconductivity and Its Applications, 2014, 505, 65-69.	1.2	9
257	Anisotropic superconductors in tilted magnetic fields. Physical Review B, 2015, 91, .	3.2	9
258	Extended electronic structure inhomogeneity created by double chain layer defects surrounding columnar tracks in heavy-ion irradiated $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Superconductor Science and Technology, 2018, 31, 105006.	3.5	9
259	Peak Effect in CeRu_2 and $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physics Essays, 1996, 9, 628-646.	0.4	9
260	Anomalous Hall Effect in Heavy Fermion Substances. Japanese Journal of Applied Physics, 1987, 26, 523.	1.5	9
261	Low-field characterization of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. Journal of Applied Physics, 1988, 63, 4170-4172.	2.5	8
262	Induced microwave absorption by magnetic modulation in untwinned and twinned YBaCuO crystals and its comparison with resistivity measurements. Physica C: Superconductivity and Its Applications, 1999, 315, 23-35.	1.2	8
263	Systematic Magnetization Measurements on Single Crystalline $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ with Columnar Defects. Journal of Low Temperature Physics, 1999, 117, 1471-1475.	1.4	8
264	Effects of Pb-ion irradiation on the vortex pinning in melt-textured $\text{YBa}_2\text{Cu}_3\text{O}_x$. Physica C: Superconductivity and Its Applications, 2003, 390, 291-295.	1.2	8
265	Crystal-Lattice Coupling to the Vortex-Melting Transition in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review Letters, 2003, 90, 237002.	7.8	8
266	Commensurate vortex pinning in Nb films patterned onto anodized aluminum oxide. Physica C: Superconductivity and Its Applications, 2004, 412-414, 347-351.	1.2	8
267	Critical fields and vortex pinning in overdoped $\text{Ba}_{0.2}\text{K}_{0.8}\text{Fe}_2\text{As}_2$. Physical Review B, 2015, 91, . Antiferromagnetic and nematic phase transitions in BaF_2	3.2	8
268			

#	ARTICLE	IF	CITATIONS
271	Mesa-Sidewall Effect on Coherent Terahertz Radiation via Spontaneous Synchronization of Intrinsic Josephson Junctions in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ . Physical Review Applied, 2020, 13, .	3.8	8
272	Single-crystal neutron studies of La _{1.7} Sr _{0.16} Pb _{0.14} CuO ₄ and La _{1.7} Sr _{0.3} CuO ₄ . Physica C: Superconductivity and Its Applications, 1989, 157, 301-306.	1.2	7
273	Crystal growth and phase selectivity of organic superconductors [β -(ET) ₂ I ₃ (T _c = 1.5 K) and κ -(ET) ₂ Cu(NCS) ₂ (T _c = 10.4 K)] on graphite electrodes. Chemistry of Materials, 1989, 1, 484-486.	6.7	7
274	Vortex telegraph noise in high magnetic fields. Physical Review B, 1997, 56, R11431-R11434.	3.2	7
275	Thermal stability of correlated defects introduced by heavy ion irradiation in YBa ₂ Cu ₃ O ₇ δ . Physical Review B, 2001, 64, .	3.2	7
276	STM tunnelling spectroscopy in MgB ₂ thin films: the role of band structure in tunnelling spectra. Superconductor Science and Technology, 2004, 17, S106-S111.	3.5	7
277	Multidirectional in-plane linear correlated disorder pinning of vortices in YBa ₂ Cu ₃ O ₇ . Superconductor Science and Technology, 2008, 21, 025002.	3.5	7
278	Phase slippage driven dissipation and high-field Little-Parks effect in superconducting MoGe nanowire networks formed on nanoporous substrates. Physical Review B, 2012, 85, .	3.2	7
279	Anisotropy of the critical temperature of a superconducting niobium thin film with an array of nanoscale holes in an external magnetic field. Physical Review B, 2013, 87, .	3.2	7
280	Jamming of superconducting vortices in a funnel structure. Superconductor Science and Technology, 2013, 26, 075023.	3.5	7
281	An increase in T under hydrostatic pressure in the superconducting doped topological insulator Nb _{0.25} Bi ₂ Se ₃ . Physica C: Superconductivity and Its Applications, 2017, 543, 58-61.	1.2	7
282	Thick Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ films grown by liquid-phase epitaxy for Josephson THz applications. Superconductor Science and Technology, 2018, 31, 015009.	3.5	7
283	Extreme asymmetry of Néel domain walls in multilayered films of the dilute magnetic semiconductor (Ga,Mn)(As,P). Physical Review B, 2018, 98, 080401. Cooperative response of magnetism and superconductivity in the magnetic superconductor	3.2	7
284	$\langle \mathbf{m} \rangle = \frac{1}{N} \sum_i \mathbf{m}_i$ Magnetic and superconducting anisotropy in Ni-doped YBa ₂ Cu ₃ O ₇ single crystals. Physical Review B, 2020, 101, .	3.2	7
285	Magnetic and superconducting anisotropy in Ni-doped YBa ₂ Cu ₃ O ₇ single crystals. Physical Review B, 2020, 101, .	3.2	7
286	Welp et al. reply. Physical Review Letters, 1992, 69, 1623-1623.	7.8	6
287	Enhancement of the irreversibility line in YBa ₂ Cu ₃ O ₇ crystals patterned by heavy ion lithography. Physical Review B, 2008, 77, .	3.2	6
288	c-axis critical current density of second-generation YBCO tapes. Superconductor Science and Technology, 2010, 23, 115017.	3.5	6

#	ARTICLE	IF	CITATIONS
289	Superconducting gap evolution in overdoped BaFe_2As_2 crystals through nanocalo. Physical Review B, 2015, 91, .	3.2	6
290	Guiding thermomagnetic avalanches with soft magnetic stripes. Physical Review B, 2017, 96, .	3.2	6
291	The a-b anisotropy of the normal state resistivity of untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. Superconductor Science and Technology, 1991, 4, S409-S411.	3.5	5
292	Measurement of local currents in superconductors using an in-situ high field magneto-optical microscope. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2291-2292.	1.2	5
293	Reentrant softening as precursor to reentrant melting of the vortex lattice in YBCO single crystal. Physica C: Superconductivity and Its Applications, 2000, 332, 370-373.	1.2	5
294	STM studies of CoNbSe_2 and MnNbSe_2 . Journal of Physics: Conference Series, 2009, 150, 052073.	0.4	5
295	Reentrant metallic behavior in the Weyl semimetal NbP. Physical Review B, 2017, 96, .	3.2	5
296	Reconfigurable Pinwheel Artificial-Spin-Ice and Superconductor Hybrid Device. Nano Letters, 2020, 20, 8933-8939.	9.1	5
297	Nodeless superconducting gap in the candidate topological superconductor SnTe . Physical Review B, 2017, 96, .	3.2	5
298	Design and characterization of microstrip patch antennas for high-T _c superconducting terahertz emitters. Optics Express, 2021, 29, 16980.	3.4	5
299	Calorimetric Study of the Transitions Between the Different Vortex States in $\text{YBa}_2\text{Cu}_3\text{O}_7$. , 1999, , 743-758.		5
300	Superconducting properties of the spin Hall candidate Ta_2Te_5 with eightfold degeneracy. Physical Review B, 2022, 105, .	3.2	5
301	Reply to "Comment on 'Shape of the upper-critical-field curves in URu_2Si_2 : Evidence for anisotropic pairing'". Physical Review B, 1991, 44, 7122-7122.	3.2	4
302	Understanding the role of heavy ion-irradiation induced surface columnar nanostructures through FESEM imaging. Physica C: Superconductivity and Its Applications, 2010, 470, 914-917.	1.2	4
303	Self-healing patterns in ferromagnetic-superconducting hybrids. Superconductor Science and Technology, 2015, 28, 035006.	3.5	4
304	Programmable bias field observed in graded ferromagnetic semiconductor films with broken symmetry. Physical Review Materials, 2019, 3, .	2.4	4
305	Low Temperature Magnetoresistance of UPt_3 , U_3Fe and U_6Co . Japanese Journal of Applied Physics, 1987, 26, 565.	1.5	4
306	Tunable Magnetically Induced Transparency Spectra in Magnon-Magnon Coupled $\text{Y}_3\text{Fe}_5\text{O}_{12}$ Permalloy Bilayers. Physical Review Applied, 2022, 17, .	3.8	4

#	ARTICLE	IF	CITATIONS
307	Magnetic ordering and crystal field effects in REBa ₂ Cu ₃ O _{7-x} (RE=Gd, Dy, Ho, Er) (abstract). Journal of Applied Physics, 1988, 63, 4202-4202.	2.5	3
308	The upper critical field of melt cast Ba _{0.65} K _{0.35} BiO ₃ . Physica B: Condensed Matter, 1990, 163, 652-654.	2.7	3
309	The equilibrium vortex melting transition in YBa ₂ Cu ₃ O ₇ . Journal of Alloys and Compounds, 1997, 250, 609-614.	5.5	3
310	Heavy-ion irradiation of UBe ₁₃ superconductors. Journal of Physics and Chemistry of Solids, 2003, 64, 1015-1020.	4.0	3
311	Adjustable superconducting anisotropy in MoGe-Permalloy hybrids. Journal of Physics: Conference Series, 2009, 150, 052095.	0.4	3
312	Vortex structure in BaFe ₂ (As _{1-x} P _x) ₂ single crystals. JETP Letters, 2013, 96, 655-658.	1.4	3
313	Quantum phenomena in transport measurements of topological insulator nanostructures (Review) Tj ETQq1 1 0.784314 rgBj /Overlock	0.6	3
314	Semiconducting Ba ₃ Sn ₃ Sb ₄ and Metallic Ba ₇ Sn ₁₁ Sb ₁₅ (<i>x</i> = 0.4, <i>y</i> = 0.6) Zintl Phases. Inorganic Chemistry, 2017, 56, 14251-14259.	4.0	3
315	Particle Irradiation Induced Defects in High Temperature Superconductors. MRS Advances, 2019, 4, 119-124.	0.9	3
316	Asymmetric crossing of the attractive and repulsive magnetic potential by Abrikosov vortices. Physical Review B, 2020, 102, .	3.2	3
317	Transport characterization and pinning analysis of BaFe _{1.9} Ni _{0.1} As _{2.05} thin films. Superconductor Science and Technology, 2020, 33, 044002.	3.5	3
318	Tailoring magnetization reversal of a single-domain bar nanomagnet via its end geometry. AIP Advances, 2021, 11, .	1.3	3
319	Normal and Superconducting State Properties of La _{2-x} Sr _x CuO ₄ . Japanese Journal of Applied Physics, 1987, 26, 1191.	1.5	3
320	De Haas-Van Alphen effect in quenched platinum. Solid State Communications, 1988, 68, 43-44.	1.9	2
321	Synthesis, ESR studies, band electronic structure, and superconductivity in the (BEDT-TTF) ₂ M(NCS) ₂ system (M = copper, silver, gold, BEDT-TTF = bis(ethylenedithio)tetrathiafulvalene) [Erratum to document cited in CA108(14):120961j]. Inorganic Chemistry, 1988, 27, 2904-2904.	4.0	2
322	Flux flow resistivity in single crystal YBa ₂ Cu ₃ O _{7-δ} . Physica B: Condensed Matter, 1990, 163, 242-244.	2.7	2
323	Flux pinning by planar defects in single crystal YBa ₂ Cu ₃ O _{7-δ} . Physica C: Superconductivity and Its Applications, 1991, 185-189, 2371-2372.	1.2	2
324	A comparison of twin boundary pinning in nearly fully stoichiometric and oxygen deficient YBa ₂ /Cu ₃ O _{7-δ} . IEEE Transactions on Applied Superconductivity, 1993, 3, 1483-1486.	1.7	2

#	ARTICLE	IF	CITATIONS
325	Using radiation damage to increase critical currents in high temperature superconductors. AIP Conference Proceedings, 1997, , .	0.4	2
326	Fast vortex motion and filamentary phase separation in YBCO and TIBCCO thin films. Physica C: Superconductivity and Its Applications, 2000, 332, 207-213.	1.2	2
327	Nanometer-scale probing of optical and thermal near-fields with an apertureless NSOM. Superlattices and Microstructures, 2004, 35, 315-323.	3.1	2
328	New transition in the vortex liquid state of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physica C: Superconductivity and Its Applications, 2006, 437-438, 176-179.	1.2	2
329	Measurements of the Meissner fraction as a function of oxygen ordering for oxygen deficient $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. Superconductor Science and Technology, 2006, 19, 980-985.	3.5	2
330	Stripe Domains and First-Order Phase Transition in the Vortex Matter of Anisotropic High-Temperature Superconductors. Physical Review Letters, 2014, 112, 157001.	7.8	2
331	From complex magnetism ordering to simple ferromagnetism in two-dimensional LaCrS_3 hole doping. Physical Review B, 2016, 94, .	3.2	2
332	Hybridization Gap in the Semiconducting Compound $\text{SrIr}_4\text{In}_2\text{Ge}_4$. Inorganic Chemistry, 2016, 55, 12477-12481.	4.0	2
333	Interface roughness governed negative magnetoresistances in two-dimensional electron gases in AlGaIn/GaN heterostructures. Physical Review Materials, 2021, 5, .	2.4	2
334	Structure-Property Relationships for \hat{I}^2 - and \hat{I}^0 -Phase BEDT-TTF Salts and their use in the Synthesis of \hat{I}^0 -(BEDT-TTF) $_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$: A Salt Having the Highest-TC (Inductive Onset = 11.6 K, Resistive Onset = 12.5) T_j ETQq0 0 0 rgBT /Overlock		
335	The Vortex Phase Transition in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Series on Directions in Condensed Matter Physics, 1998, , 41-56.	0.1	2
336	Superconductivity in $\text{La}_{1.85-x}\text{Nd}_x\text{Sr}_{1.5}\text{CuO}_4$. Japanese Journal of Applied Physics, 1987, 26, 1087.	1.5	2
337	Vortex Melting and the Liquid State in $\text{Yba}_2\text{Cu}_3\text{O}_x$. , 1999, , 357-385.		2
338	Writable spin wave nanochannels in an artificial-spin-ice-mediated ferromagnetic thin film. Applied Physics Letters, 2022, 120, 132404.	3.3	2
339	2D Homologous Series $\text{SrFM}_{n+2}\text{BiS}_{n+2}$ (M = Pb,) T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 10	4.0	2
340	Evidence of Magnon-Mediated Orbital Magnetism in a Quasi-2D Topological Magnon Insulator. Nano Letters, 2022, 22, 5114-5119.	9.1	2
341	Anisotropy of the normal state resistivity and susceptibility of untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. AIP Conference Proceedings, 1991, , .	0.4	1
342	Weak pinning phenomena in liquid state in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+x$ with columnar defects. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1133-1134.	1.2	1

#	ARTICLE	IF	CITATIONS
343	Reduction of critical temperatures in pure and thoriated UBe13 by columnar defects. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1953-1954.	1.2	1
344	Nanostructures in high-temperature superconductors. , 2000, , .		1
345	Phase Diagram of Single Crystal MgB2. Journal of Low Temperature Physics, 2003, 131, 1237-1244.	1.4	1
346	Publisher's Note: Two-band effects in the angular dependence of H_{c2} of MgB2 single crystals [Phys. Rev. B70, 132503 (2004)]. Physical Review B, 2004, 70, .	3.2	1
347	Anisotropic pinning in the vortex liquid phase of YBCO. Physica C: Superconductivity and Its Applications, 2005, 426-431, 14-17.	1.2	1
348	Vortex lattice transitions in artificially engineered NbSe2 single crystals observed by STM. Physica C: Superconductivity and Its Applications, 2007, 460-462, 952-953.	1.2	1
349	Non-Ohmic negative longitudinal magnetoresistance in a two-dimensional electron gas. Physical Review B, 2021, 103, .	3.2	1
350	Magnetic circuit for Abrikosov vortices: Vortex motion in a periodic labyrinth of magnetic T and I-shaped elements under a superconducting film. Journal of Magnetism and Magnetic Materials, 2022, 557, 169476.	2.3	1
351	Superconducting critical field and normal state susceptibility of rare-earth-doped YBa2Cu3O7 $\hat{\alpha}$ $\hat{\gamma}$. Journal of the Less Common Metals, 1989, 153, 193-199.	0.8	0
352	Kwok et al. reply. Physical Review Letters, 1990, 64, 2963-2963.	7.8	0
353	Variations in the field broadening of the resistive transition in oxygen deficient single crystals of YBa2Cu3O7- δ . Superconductor Science and Technology, 1991, 4, S442-S444.	3.5	0
354	Universal transport and magnetic properties of YBCO and TBCCO films. , 1998, 3481, 172.		0
355	Disordered Vortex Phases in YBa2Cu3O7 $\hat{\alpha}$ $\hat{\gamma}$. Journal of Superconductivity and Novel Magnetism, 2000, 13, 741-748.	0.5	0
356	Properties of electrostatically-driven granular medium: Phase transitions and charge transfer. AIP Conference Proceedings, 2000, , .	0.4	0
357	Angular Dependence of the Irreversibility Line in Irradiated a-Axis-Oriented EuBa2Cu3O7 Films. , 2002, , 545-549.		0
358	Superconductors in confined geometries. Materials Research Society Symposia Proceedings, 2005, 887, 1.	0.1	0
359	STM Observation of Vortex Lattice Transitions in Superconducting Single Crystals with Periodic Pinning Arrays. AIP Conference Proceedings, 2006, , .	0.4	0
360	STM Imaging of Vortices in FIB-Sculptured Mesoscopic Superconductors. Microscopy and Microanalysis, 2006, 12, 990-991.	0.4	0

#	ARTICLE	IF	CITATIONS
361	Irradiation Induced Defects in YBa ₂ Cu ₃ O _{7-δ} Coated Conductors. Microscopy and Microanalysis, 2016, 22, 1492-1493.	0.4	0
362	High-resolution Thermal Micro-imaging Using Europium Chelate Luminescent Coatings. Journal of Visualized Experiments, 2017, , .	0.3	0
363	Stacked Intrinsic Josephson Junction Bi ₂ Sr ₂ CaCu ₂ O ₈ Terahertz Sources: Design Issues for Achieving High Power Output Close to T _c ., 2020, , .		0
364	Dynamic Signatures of Driven Vortex Motion. Lecture Notes in Physics, 2000, , 17-29.	0.7	0
365	Spin Disorder Resistivity and Bare Curie Temperature in the Ferromagnetic Superconductor ErRh ₄ B ₄ . Japanese Journal of Applied Physics, 1987, 26, 1275.	1.5	0
366	Emerging Measurement Techniques For Studies Of Mesoscopic Superconductors. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 117-126.	0.3	0
367	Tunable Magnetic Labyrinth for Abrikosov Vortices. Journal of Superconductivity and Novel Magnetism, 0, , 1.	1.8	0