

# Sunseng Pyon

## List of Publications by Year in Descending Order

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

134 papers	3,078 citations	28 h-index	52 g-index
141 ext. papers	3,756 ext. citations	4.5 avg, IF	5.04 L-index

#	Paper	IF	Citations
134	Trapping a magnetic field of 17.89 T in stacked coated conductors by suppression of flux jumps. <i>Superconductor Science and Technology</i> , <b>2022</b> , 35, 02LT01	3.1	2
133	Effect of pressure on the pseudogap and charge density wave phases of the cuprate Nd-LSCO probed by thermopower measurements. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	1
132	Trapping a magnetic field of 14.8 T using stacked coated conductors of 12 mm width. <i>Superconductor Science and Technology</i> , <b>2021</b> , 34, 065004	3.1	3
131	Charge order lock-in by electron-phonon coupling in LaEuSrCuO. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	3
130	Peak Effects in 2H-NbSe <sub>2</sub> Single Crystals Induced by Particle Irradiations. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1975, 012003	0.3	
129	Development of Superconducting Coils using (Ba, Na)Fe <sub>2</sub> As <sub>2</sub> Round Wires with Large Critical Current. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1975, 012020	0.3	
128	Elucidating the origin of planar defects that enhance critical current density in CaKFe <sub>4</sub> As <sub>4</sub> single crystals. <i>Superconductor Science and Technology</i> , <b>2021</b> , 34, 034003	3.1	5
127	Growth and Characterizations of Iron-based Superconductor (Ba <sub>1-x</sub> Rb <sub>x</sub> )Fe <sub>2</sub> As <sub>2</sub> Single Crystals. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1975, 012013	0.3	
126	Crossed-Field Demagnetization of a EuBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Coated Conductor with BaHfO <sub>3</sub> Nanorods. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1975, 012014	0.3	
125	Anisotropic Critical Current Densities in Ba <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> with Splayed Columnar Defects. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1975, 012012	0.3	
124	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	1
123	Fabrication of small superconducting coils using (Ba,A)Fe <sub>2</sub> As <sub>2</sub> (A: Na, K) round wires with large critical current densities. <i>Superconductor Science and Technology</i> , <b>2021</b> , 34, 105008	3.1	3
122	Fabrication and Characterizations of KCa <sub>2</sub> Fe <sub>4</sub> As <sub>4</sub> F <sub>2</sub> Superconducting HIP Wires. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1590, 012026	0.3	0
121	Effects of 800 MeV Xe Irradiation on 2H-NbSe <sub>2</sub> Single Crystals. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1590, 012003	0.3	0
120	Fabrication of (Ba,Na)Fe <sub>2</sub> As <sub>2</sub> round wires and tapes using HIP process. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1590, 012027	0.3	0
119	High-Temperature Charge-Stripe Correlations in La <sub>{1.675}</sub> Eu <sub>{0.2}</sub> Sr <sub>{0.125}</sub> CuO <sub>{4}</sub> . <i>Physical Review Letters</i> , <b>2020</b> , 124, 187002	7.4	9
118	Effects of 6 MeV proton irradiation on the vortex ensemble in BaFe <sub>2</sub> (As <sub>0.67</sub> P <sub>0.33</sub> ) <sub>2</sub> revealed through magnetization measurements and real-space vortex imaging. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2

117	Enhancement of critical current density in (Ba,Na)Fe <sub>2</sub> As <sub>2</sub> round wires using high-pressure sintering. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 065001	3.1	8
116	Anisotropic physical properties and large critical current density in KCa <sub>2</sub> Fe <sub>4</sub> As <sub>4</sub> F <sub>2</sub> single crystal. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	7
115	Effects of Asymmetric Splayed Columnar Defects on the Anomalous Peak Effect in Ba <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2020</b> , 89, 094705	1.5	2
114	Effects of Splayed Columnar Defects on Critical Current Density in CaKFe <sub>4</sub> As <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1590, 012015	0.3	0
113	Twofold role of columnar defects in iron based superconductors. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 094012	3.1	6
112	Effects of proton irradiation on the magnetic superconductor EuFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> . <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 094011	3.1	6
111	Developments of (Ba,Na)Fe <sub>2</sub> As <sub>2</sub> and CaKFe <sub>4</sub> As <sub>4</sub> HIP round wires. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 104001	3.1	8
110	Fabrications and evaluations of critical current density of (Ba,Na)Fe <sub>2</sub> As <sub>2</sub> HIP round wires. <i>Physica C: Superconductivity and Its Applications</i> , <b>2020</b> , 568, 1353580	1.3	5
109	Effects of Point Defects Introduced by Co-doping and Proton Irradiation in CaKFe <sub>4</sub> As <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1590, 012014	0.3	3
108	Chiral phonons in the pseudogap phase of cuprates. <i>Nature Physics</i> , <b>2020</b> , 16, 1108-1111	16.2	28
107	Fully gapped superconductivity without sign reversal in the topological superconductor PbTaSe <sub>2</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
106	Zero-energy vortex bound state in the superconducting topological surface state of Fe(Se,Te). <i>Nature Materials</i> , <b>2019</b> , 18, 811-815	27	111
105	Band structure of overdoped cuprate superconductors: Density functional theory matching experiments. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	11
104	Demonstration of Excellent J <sub>c</sub> Performance in (AE,Na)Fe <sub>2</sub> As <sub>2</sub> (AE: Sr, Ba) PIT Wires. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	7
103	Large and significantly anisotropic critical current density induced by planar defects in CaKFe <sub>4</sub> As <sub>4</sub> single crystals. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	28
102	Deviation from Canonical Collective Creep Behavior in Li <sub>0.8</sub> Fe <sub>0.2</sub> OHFeSe. <i>Journal of the Physical Society of Japan</i> , <b>2019</b> , 88, 034703	1.5	6
101	Giant thermal Hall conductivity in the pseudogap phase of cuprate superconductors. <i>Nature</i> , <b>2019</b> , 571, 376-380	50.4	39
100	Effects of Swift-Particle Irradiations on Critical Current Density in CaKFe <sub>4</sub> As <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1293, 012013	0.3	5

99	Fabrication of a Compact High-field Magnet by Coated Conductor Stacks. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1293, 012038	0.3	2
98	Recent Progress of Iron-Based Superconducting Round Wires. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1293, 012042	0.3	2
97	Fabrication of (Ba,Na)Fe <sub>2</sub> As <sub>2</sub> round wires using HIP process. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1293, 012043	0.3	3
96	Microwave analysis of the interplay between magnetism and superconductivity in EuFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> single crystals. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	13
95	Thermodynamic signatures of quantum criticality in cuprate superconductors. <i>Nature</i> , <b>2019</b> , 567, 218-223	0.4	59
94	Direct observation of orbital hybridisation in a cuprate superconductor. <i>Nature Communications</i> , <b>2018</b> , 9, 972	17.4	22
93	Field-driven transition in the Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> superconductor with splayed columnar defects. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	6
92	Pseudogap temperature T* of cuprate superconductors from the Nernst effect. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	60
91	Improvements of fabrication processes and enhancement of critical current densities in (Ba,K)Fe <sub>2</sub> As <sub>2</sub> HIP wires and tapes. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 055016	3.1	41
90	Domain Meissner state and spontaneous vortex-antivortex generation in the ferromagnetic superconductor EuFe(AsP). <i>Science Advances</i> , <b>2018</b> , 4, eaat1061	14.3	35
89	Three-Dimensional Fermi Surface of Overdoped La-Based Cuprates. <i>Physical Review Letters</i> , <b>2018</b> , 121, 077004	7.4	32
88	Quasiparticle scattering in 3 MeV proton irradiated BaFe <sub>2</sub> (As <sub>0.67</sub> P <sub>0.33</sub> ) <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	7
87	Enhancement of critical current density in AgSn-sheathed (Sr,Na)Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1054, 012045	0.3	3
86	Fabrication and characterization of CaKFe <sub>4</sub> As <sub>4</sub> round wires sintered at high pressure. <i>Applied Physics Express</i> , <b>2018</b> , 11, 123101	2.4	18
85	Anisotropy of critical current densities in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> and Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> with splayed columnar defects. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1054, 012020	0.3	3
84	Fabrication Process and Pressure Dependence of Critical Current Density in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> Superconducting HIP Wires. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1054, 012044	0.3	
83	Trapping Large Magnetic Field by Suppression of Thermomagnetic Instability in Coated Conductor Stacks. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1054, 012050	0.3	4
82	Promising critical current density characteristics of Ag-sheathed (Sr,Na)Fe <sub>2</sub> As <sub>2</sub> tape. <i>Applied Physics Express</i> , <b>2018</b> , 11, 063101	2.4	11

81	Effects of heavy-ion irradiation on FeSe. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	14
80	Symmetry-protected nodes or gap minima in the s++ state of monocrystalline FeSe. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	16
79	Present status of PIT round wires of 122-type iron-based superconductors. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 279, 012028	0.4	14
78	Carrier-Doping Dependence of Critical Current Density in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> Single Crystals and Superconducting Wires. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 871, 012060	0.3	4
77	Large and field-insensitive critical current densities in (Sr,Na)Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 871, 012062	0.3	5
76	Field-driven transition in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> with splayed columnar defects. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 871, 012018	0.3	1
75	Exfoliation and van der Waals heterostructure assembly of intercalated ferromagnet Cr 1/3 TaS <sub>2</sub> . <i>2D Materials</i> , <b>2017</b> , 4, 041007	5.9	27
74	Two-gap features revealed by specific heat measurements in FeSe. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 871, 012016	0.3	3
73	Visualization of the magnetic flux structure in phosphorus-doped EuFe <sub>2</sub> As <sub>2</sub> single crystals. <i>JETP Letters</i> , <b>2017</b> , 105, 98-102	1.2	15
72	Critical states and thermomagnetic instabilities in three-dimensional nanostructured superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2017</b> , 533, 74-79	1.3	4
71	Charge-Stripe Order and Superconductivity in IrPtTe. <i>Scientific Reports</i> , <b>2017</b> , 7, 17157	4.9	6
70	Electron carriers with possible Dirac-cone-like dispersion in FeSe <sub>1-x</sub> S <sub>x</sub> (x=0 and 0.14) single crystals triggered by structural transition. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	47
69	Structural-transition-induced quasi-two-dimensional Fermi surface in FeSe. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	8
68	Effects of Pnictogen Atmosphere Annealing on Fe <sub>1+y</sub> Te <sub>0.6</sub> Se <sub>0.4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 024712	1.5	8
67	Flux pinning in Ba. <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 530, 58-61	1.3	8
66	Trapping a magnetic field of 7.9 T using a bulk magnet fabricated from stack of coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 530, 20-23	1.3	19
65	Effects of Iodine Annealing on Fe <sub>1+y</sub> Te <sub>0.6</sub> Se <sub>0.4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 104714	1.5	3
64	Enhancement of critical current density in a Ca <sub>0.85</sub> La <sub>0.15</sub> Fe(As <sub>0.92</sub> Sb <sub>0.08</sub> ) <sub>2</sub> superconductor with T <sub>c</sub> = 47 K through 3 MeV proton irradiation. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 055006	3.1	6

63	Influence of interstitial Fe to the phase diagram of $\text{Fe}_{1+y}\text{Te}_{1-x}\text{Se}_x$ single crystals. <i>Scientific Reports</i> , <b>2016</b> , 6, 32290	4.9	22
62	Effect of S doping on the critical current density and vortex dynamics in FeSe single crystal. <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 530, 55-57	1.3	3
61	Evaluation of global and local critical current densities in 122-type iron-based superconducting tapes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 530, 76-78	1.3	3
60	Critical Current Density and Vortex Dynamics in Fe(Te,Se) Annealed in Various Atmosphere. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-5	1.8	7
59	Enhancement of critical current densities in (Ba,K)Fe <sub>2</sub> As <sub>2</sub> wires and tapes using HIP technique. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 115002	3.1	37
58	Evolution of superconducting and transport properties in annealed $\text{FeTe}_{1-x}\text{Se}_x$ (0.1 $\leq x$ $\leq$ 0.4) multiband superconductors. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 044002	3.1	12
57	Effects of heavy-ion irradiations in K-doped BaFe <sub>2</sub> As <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2015</b> , 518, 47-50	1.3	17
56	Effects of High-Pressure Sintering on Critical Current Density in (Ba,K)Fe <sub>2</sub> As <sub>2</sub> PIT Wires. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	12
55	Critical current density and vortex dynamics in pristine and proton-irradiated Ba <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> . <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 085003	3.1	43
54	Layer number dependence of flux avalanches in superconducting shifted strip array. <i>Physica C: Superconductivity and Its Applications</i> , <b>2015</b> , 518, 81-84	1.3	1
53	Thermal imaging of Bi <sub>2</sub> 212 THz oscillator. <i>Physica C: Superconductivity and Its Applications</i> , <b>2015</b> , 518, 77-80	1.3	3
52	Electron scattering, charge order, and pseudogap physics in La <sub>1.6</sub> Nd <sub>0.4</sub> SrxCuO <sub>4</sub> : An angle-resolved photoemission spectroscopy study. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	43
51	Critical current density, vortex dynamics, and phase diagram of single-crystal FeSe. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	45
50	Enhancement of critical current density and mechanism of vortex pinning in H <sup>+</sup> -irradiated FeSe single crystal. <i>Applied Physics Express</i> , <b>2015</b> , 8, 113102	2.4	17
49	Effects of drawing and high-pressure sintering on the superconducting properties of (Ba,K)Fe <sub>2</sub> As <sub>2</sub> powder-in-tube wires. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 125014	3.1	34
48	Magneto-optical characterizations of FeTe <sub>0.5</sub> Se <sub>0.5</sub> thin films with critical current density over 1 MA cm <sup>-2</sup> . <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 015010	3.1	6
47	Phase diagram and optical conductivity of La <sub>1.8</sub> Eu <sub>0.2</sub> SrxCuO <sub>4</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	9
46	Switching of Conducting Planes by Partial Dimer Formation in IrTe <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 033701	1.5	38

45	Important Roles of Te 5p and Ir 5d Spin-Orbit Interactions on the Multi-band Electronic Structure of Triangular Lattice Superconductor Ir <sub>1-x</sub> PtxTe <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 033704	1.5	16
44	Superconductivity in Noncentrosymmetric Iridium Silicide Li <sub>2</sub> IrSi <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 093706	1.5	26
43	Bond order and the role of ligand states in stripe-modulated IrTe <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	15
42	Enhancement of critical current densities by high-pressure sintering in (Sr,K)Fe <sub>2</sub> As <sub>2</sub> PIT wires. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 095002	3.1	32
41	Anisotropic flux penetration into amorphous Mo <sub>80</sub> Ge <sub>20</sub> square networks. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 39-41	1.3	1
40	Magnetic flux penetration of commercial Bi <sub>2</sub> 223 wires evaluated by magneto-optical imaging. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 65-68	1.3	3
39	Chalcogen (O <sub>2</sub> , S, Se, Te) atmosphere annealing induced bulk superconductivity in Fe <sub>1+Te</sub> 1Se single crystal. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 12-15	1.3	6
38	Effects of high-pressure annealing on critical current density in 1 2 2 type iron pnictide wires. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 69-72	1.3	3
37	Comparison of J <sub>c</sub> characteristics in PIT wires based on BaFe <sub>2</sub> As <sub>2</sub> with different substitutions. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 507, 022041	0.3	3
36	The Effect of 320 MeV Au Irradiation in K-doped Ba-122. <i>Physics Procedia</i> , <b>2014</b> , 58, 122-125		7
35	Dynamics and mechanism of oxygen annealing in Fe <sub>1+y</sub> Te <sub>0.6</sub> Se <sub>0.4</sub> single crystal. <i>Scientific Reports</i> , <b>2014</b> , 4, 4585	4.9	64
34	Flux Avalanches in Multi-layer Superconducting Strip Arrays. <i>Physics Procedia</i> , <b>2014</b> , 58, 126-129		2
33	Te 5p orbitals bring three-dimensional electronic structure to two-dimensional Ir <sub>0.95</sub> Pt <sub>0.05</sub> Te <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	13
32	Multiband effects and possible Dirac fermions in Fe <sub>1+y</sub> Te <sub>0.6</sub> Se <sub>0.4</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	43
31	Temperature dependent nanoscale atomic correlations in Ir <sub>1-x</sub> PtxTe <sub>2</sub> (x = 0.0, 0.03 and 0.04) system. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 375702	1.8	1
30	Flux penetrations into two- and three-dimensional nanostructured superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 503, 62-69	1.3	6
29	Effects of high-pressure sintering on critical current density in Co-doped BaFe <sub>2</sub> As <sub>2</sub> wires. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 73-76	1.3	4
28	Local structural displacements across the structural phase transition in IrTe <sub>2</sub> : Order-disorder of dimers and role of Ir-Te correlations. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	22

27	Emergence of superconductivity near the structural phase boundary in Pt-doped IrTe <sub>2</sub> single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 494, 80-84	1.3	18
26	Superconducting properties of iron-platinum-arsenides Ca <sub>10</sub> (Pt <sub>n</sub> As <sub>8</sub> )(Fe <sub>2-x</sub> Pt <sub>x</sub> As <sub>2</sub> ) <sub>5</sub> (n=3, 4). <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 494, 65-68	1.3	5
25	Optical excitation of Josephson plasma solitons in a cuprate superconductor. <i>Nature Materials</i> , <b>2013</b> , 12, 535-41	27	56
24	Electronic Structure Reconstruction by Orbital Symmetry Breaking in IrTe <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 093704	1.5	52
23	Evolution of Superconductivity in Fe <sub>1+y</sub> Te <sub>1-x</sub> Se <sub>x</sub> Annealed in Te Vapor. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 093705	1.5	22
22	Magnetic relaxation and collective vortex creep in FeTe <sub>0.6</sub> Se <sub>0.4</sub> single crystal. <i>Europhysics Letters</i> , <b>2013</b> , 103, 57013	1.6	28
21	Large, Homogeneous, and Isotropic Critical Current Density in Oxygen-Annealed Fe <sub>1+y</sub> Te <sub>0.6</sub> Se <sub>0.4</sub> Single Crystal. <i>Applied Physics Express</i> , <b>2013</b> , 6, 043101	2.4	37
20	Flux avalanches in Nb superconducting shifted strip arrays. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 095004	3.1	12
19	Enhancement of Critical Current Densities in (Ba,K)Fe <sub>2</sub> As <sub>2</sub> by 320 MeV Au Irradiation in Single Crystals and by High-Pressure Sintering in Powder-in-Tube Wires. <i>Applied Physics Express</i> , <b>2013</b> , 6, 123101	1.4	20
18	Pair-breaking effects induced by 3-MeV proton irradiation in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	38
17	Suppression of Structural Phase Transition in IrTe <sub>2</sub> by Isovalent Rh Doping. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 085001	1.5	28
16	Bulk Superconductivity in Fe <sub>1+y</sub> Te <sub>1-x</sub> Se <sub>x</sub> Induced by Annealing in Se and S Vapor. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 115002	1.5	16
15	Band Jahn-Teller effects and Peierls Instability in IrTe <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 428, 012018	0.3	3
14	Superconductivity in Pseudo-Binary Silicide SrNi <sub>x</sub> Si <sub>2-x</sub> with AlB <sub>2</sub> -Type Structure. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 023702	1.5	5
13	Decrease of upper critical field with underdoping in cuprate superconductors. <i>Nature Physics</i> , <b>2012</b> , 8, 751-756	16.2	66
12	Orbital degeneracy and Peierls instability in the triangular-lattice superconductor Ir <sub>1-x</sub> Pt <sub>x</sub> Te <sub>2</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	61
11	Orbital Degeneracy, Jahn-Teller Effect, and Superconductivity in Transition-Metal Chalcogenides. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 1343-1346	1.5	2
10	Superconductivity Induced by Bond Breaking in the Triangular Lattice of IrTe <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 053701	1.5	118

9	Angle-dependent spectral weight transfer and evidence of a symmetry-broken in-plane charge response in $\text{Ca}_{1.9}\text{Na}_{0.1}\text{CuO}_2\text{Cl}_2$ . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	2
8	Fermi-surface reconstruction by stripe order in cuprate superconductors. <i>Nature Communications</i> , <b>2011</b> , 2, 432	17.4	138
7	Bi-directional ultrafast electric-field gating of interlayer charge transport in a cuprate superconductor. <i>Nature Photonics</i> , <b>2011</b> , 5, 485-488	33.9	76
6	Light-induced superconductivity in a stripe-ordered cuprate. <i>Science</i> , <b>2011</b> , 331, 189-91	33.3	674
5	Phonon softening in $\text{La}_{1.74}\text{Eu}_{0.1}\text{Sr}_{0.16}\text{CuO}_4$ studied by inelastic X-ray scattering. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S51-S52	1.3	1
4	Charge-transfer excitons in underdoped $\text{Ca}_{2-x}\text{Na}_x\text{CuO}_2\text{Cl}_2$ studied by electron energy-loss spectroscopy. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	8
3	Evidence for Fermi surface reconstruction in the static stripe phase of $\text{La}_{1.8-x}\text{Eu}_{0.2}\text{Sr}_x\text{CuO}_4$ , $x=1/8$ . <i>Europhysics Letters</i> , <b>2009</b> , 86, 47005	1.6	15
2	Enhancement of the Nernst effect by stripe order in a high- $T_c$ superconductor. <i>Nature</i> , <b>2009</b> , 458, 743-5	30.4	117
1	The influence of static-stripes on superfluid density in $\text{La}_{1.84}\text{Eu}_y\text{Sr}_{0.16}\text{CuO}_4$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 463-465, 60-63	1.3	