

# Kunihiro Kihou

## List of Publications by Citations

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152 papers	5,201 citations	39 h-index	68 g-index
158 ext. papers	5,619 ext. citations	4 avg, IF	4.87 L-index

#	Paper	IF	Citations
152	Effect of Structural Parameters on Superconductivity in Fluorine-Free LnFeAsO <sub>1-y</sub> (Ln = La, Nd). <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 083704	1.5	542
151	Octet-line node structure of superconducting order parameter in KFe <sub>2</sub> As <sub>2</sub> . <i>Science</i> , <b>2012</b> , 337, 1314-7	33.3	196
150	New-Structure-Type Fe-Based Superconductors: CaFe <sub>4</sub> As <sub>4</sub> (A = K, Rb, Cs) and SrFe <sub>4</sub> As <sub>4</sub> (A = Rb, Cs). <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3410-5	16.4	169
149	Evidence for superconducting gap nodes in the zone-centered hole bands of KFe <sub>2</sub> As <sub>2</sub> from magnetic penetration-depth measurements. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	166
148	Unprecedented anisotropic metallic state in undoped iron arsenide BaFe <sub>2</sub> As <sub>2</sub> revealed by optical spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 12238-42	11.5	158
147	Structural Quantum Criticality and Superconductivity in Iron-Based Superconductor Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 024604	1.5	155
146	Universal heat conduction in the iron arsenide superconductor KFe <sub>2</sub> As <sub>2</sub> : evidence of a d-wave state. <i>Physical Review Letters</i> , <b>2012</b> , 109, 087001	7.4	145
145	Anisotropic energy gaps of iron-based superconductivity from intraband quasiparticle interference in LiFeAs. <i>Science</i> , <b>2012</b> , 336, 563-7	33.3	139
144	Possible Multiple Gap Superconductivity with Line Nodes in Heavily Hole-Doped Superconductor KFe <sub>2</sub> As <sub>2</sub> Studied by <sup>75</sup> As Nuclear Quadrupole Resonance and Specific Heat. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 083712	1.5	127
143	Evolution of the optical spectrum with doping in Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	116
142	Single Crystal Growth and Characterization of the Iron-Based Superconductor KFe <sub>2</sub> As <sub>2</sub> Synthesized by KAs Flux Method. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 124713	1.5	104
141	<sup>75</sup> As NMR Study of Hole-Doped Superconductor Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> (T <sub>c</sub> ≈ 38 K). <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 033704	1.5	98
140	Strong-Coupling Spin-Singlet Superconductivity with Multiple Full Gaps in Hole-Doped Ba <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> Probed by <sup>57</sup> Fe-NMR. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 103702	1.5	96
139	Superconductivity above 50 K in LnFeAsO <sub>1-y</sub> (Ln = Nd, Sm, Gd, Tb, and Dy) Synthesized by High-Pressure Technique. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 034712	1.5	92
138	Fermi Surface and Mass Enhancement in KFe <sub>2</sub> As <sub>2</sub> from de Haas-van Alphen Effect Measurements. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 053702	1.5	90
137	Appearance of pressure-induced superconductivity in BaFe <sub>2</sub> As <sub>2</sub> under hydrostatic conditions and its extremely high sensitivity to uniaxial stress. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	88
136	Anisotropy of the in-plane resistivity of underdoped Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> superconductors induced by impurity scattering in the antiferromagnetic orthorhombic phase. <i>Physical Review Letters</i> , <b>2013</b> , 110, 207001	7.4	86

135	Inverse iron isotope effect on the transition temperature of the (Ba,K)Fe <sub>2</sub> As <sub>2</sub> superconductor. <i>Physical Review Letters</i> , <b>2009</b> , 103, 257003	7.4	80
134	Complete Fermi surface in BaFe <sub>2</sub> As <sub>2</sub> observed via Shubnikov-de Haas oscillation measurements on detwinned single crystals. <i>Physical Review Letters</i> , <b>2011</b> , 107, 176402	7.4	74
133	Electronic reconstruction through the structural and magnetic transitions in detwinned NaFeAs. <i>New Journal of Physics</i> , <b>2012</b> , 14, 073019	2.9	73
132	Incommensurate spin fluctuations in hole-overdoped superconductor KFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 106, 067003	7.4	68
131	Pseudogap formation above the superconducting dome in iron pnictides. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	63
130	Dependence of carrier doping on the impurity potential in transition-metal-substituted FeAs-based superconductors. <i>Physical Review Letters</i> , <b>2013</b> , 110, 107007	7.4	63
129	Manifestations of multiple-carrier charge transport in the magnetostructurally ordered phase of BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	63
128	Relationship between crystal structure and superconductivity in iron-based superconductors. <i>Solid State Communications</i> , <b>2012</b> , 152, 644-648	1.6	62
127	Three-Dimensional Electronic Structure of Superconducting Iron Pnictides Observed by Angle-Resolved Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 123706	1.5	61
126	Charge-density-wave ordering in the metal-insulator transition compound PrRu <sub>4</sub> P <sub>12</sub> . <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	61
125	Effect of Co doping on the in-plane anisotropy in the optical spectrum of underdoped Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2012</b> , 109, 217003	7.4	60
124	Superconductivity at 28.3 and 17.1 K in (Ca <sub>4</sub> Al <sub>2</sub> O <sub>6</sub> ) <sub>2</sub> (Fe <sub>2</sub> Pn <sub>2</sub> ) (Pn=As and P). <i>Applied Physics Letters</i> , <b>2010</b> , 97, 172506	3.4	54
123	High-pressure synthesis, electrical and magnetic properties of new filled skutterudites LnOs <sub>4</sub> P <sub>12</sub> (Ln = Eu, Gd, Tb, Dy, Ho, Y). <i>Materials Research Bulletin</i> , <b>2004</b> , 39, 317-325	5.1	54
122	Superconductivity in Fe-Based Compound EuAF <sub>4</sub> As <sub>4</sub> (A = Rb and Cs). <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 064710	1.5	53
121	Abrupt change in the energy gap of superconducting Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> single crystals with hole doping. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	51
120	Growth of BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> Single Crystals (0<x<1) by Ba <sub>2</sub> As <sub>3</sub> /Ba <sub>2</sub> P <sub>3</sub> -Flux Method. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 104710	1.5	48
119	From d-wave to s-wave pairing in the iron-pnictide superconductor (Ba,K)Fe <sub>2</sub> As <sub>2</sub> . <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 084013	3.1	48
118	Splitting of resonance excitations in nearly optimally doped Ba(Fe <sub>0.94</sub> Co <sub>0.06</sub> ) <sub>2</sub> As <sub>2</sub> : an inelastic neutron scattering study with polarization analysis. <i>Physical Review Letters</i> , <b>2013</b> , 110, 137001	7.4	48

117	Gap in KFe <sub>2</sub> As <sub>2</sub> studied by small-angle neutron scattering observations of the magnetic vortex lattice. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	48
116	Fermi surface in KFe <sub>2</sub> As <sub>2</sub> determined via de Haas-van Alphen oscillation measurements. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	47
115	Fermi surfaces and quasi-particle band dispersions of the iron pnictides superconductor KFe <sub>2</sub> As <sub>2</sub> observed by angle-resolved photoemission spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 465-468	3.9	45
114	Potential Antiferromagnetic Fluctuations in Hole-Doped Iron-Pnictide Superconductor Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> Studied by <sup>75</sup> As Nuclear Magnetic Resonance Measurement. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 054704	1.5	44
113	Doping evolution of the quasiparticle excitations in heavily hole-doped Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> : A possible superconducting gap with sign-reversal between hole pockets. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	39
112	Effect of doping on the magnetostructural ordered phase of iron arsenides: a comparative study of the resistivity anisotropy in doped BaFe <sub>2</sub> As <sub>2</sub> with doping into three different sites. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 3158-63	16.4	39
111	Normal-state charge dynamics in doped BaFe <sub>2</sub> As <sub>2</sub> : Roles of doping and necessary ingredients for superconductivity. <i>Scientific Reports</i> , <b>2014</b> , 4, 5873	4.9	38
110	Evidence for excluding the possibility of d-wave superconducting-gap symmetry in Ba-doped KFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	37
109	Orbital character and electron correlation effects on two- and three-dimensional Fermi surfaces in KFe <sub>2</sub> As <sub>2</sub> revealed by angle-resolved photoemission spectroscopy. <i>Frontiers in Physics</i> , <b>2014</b> , 2,	3.9	37
108	Absence of an appreciable iron isotope effect on the transition temperature of the optimally doped SmFeAsO(1-y) Superconductor. <i>Physical Review Letters</i> , <b>2010</b> , 105, 037004	7.4	37
107	High-pressure synthesis and physical properties of new iron (nickel)-based superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2009</b> , 469, 355-369	1.3	36
106	Pressure-Induced Superconductivity in Filled Skutterudite PrRu <sub>4</sub> P <sub>12</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 2370-2372	1.5	36
105	Possible hydrogen doping and enhancement of T <sub>c</sub> (=35 K) in a LaFeAsO-based superconductor. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 072514	3.4	34
104	Emergence of superconductivity in "3252" structure of (Ca <sub>3</sub> Al <sub>2</sub> O <sub>5-y</sub> )(Fe <sub>2</sub> Pn <sub>2</sub> ) (Pn = As and P). <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9630-3	16.4	34
103	Systematic high-pressure synthesis of new filled skutterudites with heavy lanthanide, LnFe <sub>4</sub> P <sub>12</sub> (Ln=heavy lanthanide, including Y). <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 174, 32-34	3.3	31
102	Identifying the 'fingerprint' of antiferromagnetic spin fluctuations in iron pnictide superconductors. <i>Nature Physics</i> , <b>2015</b> , 11, 177-182	16.2	30
101	Electrical and magnetic properties of new filled skutterudites LnFe <sub>4</sub> P <sub>12</sub> (Ln = Ho, Er, Tm and Yb) and YRu <sub>4</sub> P <sub>12</sub> with heavy lanthanide (including Y) prepared at high pressure. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 4383-4391	1.8	28
100	Superconductivity with broken time-reversal symmetry in ion-irradiated Ba <sub>0.27</sub> K <sub>0.73</sub> Fe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	27

99	Superconductivity of new filled skutterudite YFe <sub>4</sub> P <sub>12</sub> prepared at high pressure. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, S2201-S2205	1.8	27
98	Relationship Between Crystal Structure and Superconductivity in LnFeAsO <sub>1-y</sub> (Ln = Lanthanide). <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 44-46	1.5	25
97	Thermodynamic Study of Nodal Structure and Multiband Superconductivity of KFe <sub>2</sub> As <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 013704	1.5	23
96	Two distinct superconducting states in KFe <sub>2</sub> As <sub>2</sub> under high pressure. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	23
95	Effects of uniaxial pressure and annealing on the resistivity of Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 418-419	3.9	23
94	NMR/NQR and Specific Heat Studies of Iron Pnictide Superconductor KFe <sub>2</sub> As <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2011</b> , 80, SA118	1.5	23
93	Anisotropy of the superconducting gap in the iron-based superconductor BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> . <i>Scientific Reports</i> , <b>2014</b> , 4, 7292	4.9	22
92	Hysteretic superconducting resistive transition in Ba <sub>0.07</sub> K <sub>0.93</sub> Fe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	22
91	Strong Electronic Correlations in Iron Pnictides: Comparison of Optical Spectra for BaFe <sub>2</sub> As <sub>2</sub> -Related Compounds. <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 104703	1.5	21
90	Anisotropy of incommensurate magnetic excitations in slightly overdoped Ba <sub>0.5</sub> K <sub>0.5</sub> Fe <sub>2</sub> As <sub>2</sub> probed by polarized inelastic neutron scattering experiments. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	21
89	Universality of the dispersive spin-resonance mode in superconducting BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2013</b> , 111, 167002	7.4	21
88	Superconductivity with broken time-reversal symmetry inside a superconducting s-wave state. <i>Nature Physics</i> , <b>2020</b> , 16, 789-794	16.2	20
87	Angle-resolved photoemission spectroscopy study of PrFeAsO <sub>0.7</sub> : Comparison with LaFePO. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	20
86	Crossover from bad to good metal in BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> induced by isovalent P substitution. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	19
85	A study of the crystal structure at low temperature in the metal-insulator transition compound PrRu <sub>4</sub> P <sub>12</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 426-427	2.8	19
84	Strange Inter-Layer Properties of Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> Appearing in Ultrasonic Measurements. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 114604	1.5	18
83	Enhanced high-field transport critical current densities observed for ex situ PIT processed Ag/(Ba, K)Fe <sub>2</sub> As <sub>2</sub> thin tapes. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 065003	3.1	18
82	Comment on "Quantum criticality and nodal superconductivity in the FeAs-based superconductor KFe <sub>2</sub> As <sub>2</sub> ". <i>Physical Review Letters</i> , <b>2010</b> , 104, 259701; author reply 259702	7.4	18

81	Neutron scattering study of phonon dynamics on type-I Clathrate Ba8Ga16Ge30. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 92, 012169	0.3	18
80	Specific heat of filled skutterudite. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 977-979	2.8	17
79	Thermoelectric Properties of As-Based Zintl Compounds BaKZnAs. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 3709-3712	3.1	16
78	Synthesis, structure, and phase diagram of (Sr1-xNax)Fe2As2 superconductors. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 062001	3.1	16
77	Single-Crystal Growth of Ba1-xKxFe2As2 by KAs Self-Flux Method. <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 034718	1.5	15
76	Suppression of spin-exciton state in hole overdoped iron-based superconductors. <i>Scientific Reports</i> , <b>2016</b> , 6, 23424	4.9	14
75	Magnetic and electrical properties of (PrxLa1-x)Ru4P12. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 281-282, 300-302	2.8	14
74	Superconductivity in a New 1144-Type Family of (La,Na)AFeAs (A = Rb or Cs). <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 868-873	6.4	13
73	Phonon Dynamics of Type-I Clathrate Sr8Ga16Ge30 Studied by Inelastic Neutron Scattering. <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 260-262	1.5	13
72	Thermoelectric properties of (Ba,K)CdAs crystallized in the CaAlSi-type structure. <i>Dalton Transactions</i> , <b>2018</b> , 47, 16205-16210	4.3	13
71	Anisotropic resonance modes emerging in an antiferromagnetic superconducting state. <i>Scientific Reports</i> , <b>2017</b> , 7, 10307	4.9	12
70	Quasi-two-dimensional Fermi surfaces and coherent interlayer transport in KFeAs. <i>Physical Review Letters</i> , <b>2010</b> , 105, 246403	7.4	12
69	Study of Neutron Diffraction on 154SmRu4P12 Single Crystal. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 063702	1.5	12
68	Effect of K Doping on Phonons in Ba1-xKxFe2As2. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 014714	4.1	12
67	Spin excitations in hole-overdoped iron-based superconductors. <i>Scientific Reports</i> , <b>2016</b> , 6, 33303	4.9	11
66	Electronic structure of BaNi2P2 observed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	11
65	High-pressure Synthesis and Structural, Electrical and Magnetic Properties of a New Filled Skutterudite TbFe4P12. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2006</b> , 61, 1471-1476	1	11
64	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. <i>Science Advances</i> , <b>2017</b> , 3, e1700466	14.3	10



63	Absence of superconductivity in the collapsed tetragonal phase of KFe <sub>2</sub> As <sub>2</sub> under hydrostatic pressure. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	10
62	Cyclotron resonance and mass enhancement by electron correlation in KFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 107, 166402	7.4	10
61	Vortex lattice structure in BaFe <sub>2</sub> (As <sub>0.67</sub> P <sub>0.33</sub> ) <sub>2</sub> via small-angle neutron scattering. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	9
60	Synthesis and Physical Properties of LnFeAsO <sub>1-y</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 36-39	1.5	9
59	Effects of Zn substitution on the electronic structure of BaFe <sub>2</sub> As <sub>2</sub> revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	8
58	Thermoelectric properties of LaFeAsO <sub>1-y</sub> at low temperature. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 033703	2.5	8
57	Synthesis of ErFeAsO-based superconductors by the hydrogen doping method. <i>Europhysics Letters</i> , <b>2010</b> , 92, 57011	1.6	8
56	Magnetic properties of TbRu <sub>4</sub> P <sub>12</sub> studied by neutron diffraction. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 859-861	2.8	8
55	Elastoresistance measurements on CaKFe <sub>4</sub> As <sub>4</sub> and KCa <sub>2</sub> Fe <sub>4</sub> As <sub>4</sub> F <sub>2</sub> with the Fe site of C <sub>2v</sub> symmetry. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	7
54	Superconducting state in (Eu <sub>1-x</sub> Cax)RbFe <sub>4</sub> As <sub>4</sub> with 1144-type Structure. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 969, 012027	0.3	7
53	Angle-resolved photoemission study on the superconducting iron-pnictides of BaFe <sub>2</sub> (As,P) <sub>2</sub> with low energy photons. <i>Solid State Communications</i> , <b>2012</b> , 152, 695-700	1.6	7
52	Disappearance of superconductivity in the solid solution between (Ca <sub>4</sub> Al <sub>2</sub> O <sub>6</sub> )(Fe <sub>2</sub> As <sub>2</sub> ) and (Ca <sub>4</sub> Al <sub>2</sub> O <sub>6</sub> )(Fe <sub>2</sub> P <sub>2</sub> ) superconductors. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15181-4	16.4	7
51	Observation of Softened Fe Modes in K-Doped BaFe <sub>2</sub> As <sub>2</sub> via <sup>57</sup> Fe Nuclear Resonant Inelastic Scattering. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 013706	1.5	7
50	Pressure effect for metal-insulator transition in filled skutterudite SmRu <sub>4</sub> P <sub>12</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 238-240	5.7	7
49	Transport properties of filled skutterudite antiferromagnet. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 235-236	2.8	7
48	Thermoelectric Properties of (Ba,K)ZnAs Crystallized in the ThCrSi-type Structure. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5828-5834	5.1	6
47	Orbital-anisotropic electronic structure in the nonmagnetic state of BaFe(AsP) <sub>2</sub> superconductors. <i>Scientific Reports</i> , <b>2018</b> , 8, 2169	4.9	6
46	Mass Enhancements and Band Shifts in Strongly Hole-Overdoped Fe-Based Pnictide Superconductors: KFe <sub>2</sub> As <sub>2</sub> and CsFe <sub>2</sub> As <sub>2</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 777-783	1.5	6

45	Probing the anisotropic vortex lattice in the Fe-based superconductor KFe <sub>2</sub> As <sub>2</sub> using small-angle neutron scattering. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	6
44	Discovery of the Ca <sub>4</sub> Al <sub>2</sub> O <sub>6</sub> Fe <sub>2</sub> Pn <sub>2</sub> (Al-42622(Pn)) and Ca <sub>3</sub> Al <sub>2</sub> O <sub>5</sub> Fe <sub>2</sub> Pn <sub>2</sub> (Al-32522(Pn)) (Pn=As, P) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 484, 12-15	1.3	6
43	In-plane electronic anisotropy in the antiferromagnetic orthorhombic phase of isovalent-substituted Ba(Fe <sub>1-x</sub> Rux) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	6
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41	Fermi-surface reconstruction involving two van Hove singularities across the antiferromagnetic transition in BaFe <sub>2</sub> As <sub>2</sub> . <i>Solid State Communications</i> , <b>2013</b> , 157, 16-20	1.6	5
40	Evidence of a universal relation between electron-mode coupling and T <sub>c</sub> in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> superconductor from laser angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	5
39	Synthesis of LnFeAsO <sub>1-y</sub> superconductors (Ln=La and Nd) using the high-pressure technique. <i>New Journal of Physics</i> , <b>2009</b> , 11, 045002	2.9	5
38	NMR study of the new filled skutterudite superconductor YFe <sub>4</sub> P <sub>12</sub> . <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 883-885	2.8	5
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36	Superconductivity at 4.4 K in Ba <sub>2</sub> Bi <sub>3</sub> . <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 072001	3.1	4
35	Critical current density and vortex dynamics in pristine and proton-irradiated (Ba,K)Fe <sub>2</sub> As <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 494, 106-108	1.3	4
34	<sup>75</sup> As-NMR study of the iron pnictide Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> under high pressure. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 215, 012041	0.3	4
33	Optical response of FeAs-based compounds. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S326-S327	1.3	4
32	Synthesis and Superconductivity of Fluorine-Substituted NdFeAsO <sub>1-y-x</sub> F <sub>x</sub> and Oxygen-Deficient NdFeAsO <sub>1-y</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 127-128	1.5	4
31	Structural Analysis of Fluorine-Free Oxypnictide Superconductor NdFeAsO <sub>1-y</sub> by Electron Diffraction Analysis and Electron Microscopy. <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 105003	1.5	4
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29	Pressure effect for metal-insulator transition in filled skutterudite PrRu <sub>4</sub> P <sub>12</sub> . <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 853-855	2.8	4
28	State with spontaneously broken time-reversal symmetry above the superconducting phase transition. <i>Nature Physics</i> ,	16.2	4



27	Thermoelectric properties of partially filled skutterudites $Rx\text{Co}_4\text{Sb}_{12}$ ( $R = \text{Ce}$ and $\text{Nd}$ ) synthesized under high pressures. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 125506	1.4	4
26	Thermoelectric properties of yttrium-doped $\text{Mg}_3(\text{Sb},\text{Bi})_2$ synthesized by melting method. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 10, 438-444	5.5	4
25	Simultaneous evidence for Pauli paramagnetic effects and multiband superconductivity in $\text{KFe}_2\text{As}_2$ by small-angle neutron scattering studies of the vortex lattice. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	3
24	In-situ observation of synthesizing process of $\text{MmxCo}_4\text{Sb}_{12}$ utilizing x-ray diffraction under high temperatures and high pressures. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 502, 012017	0.3	3
23	Superconducting gap in iron pnictides studied by optical spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 511-513	3.9	3
22	Anomalous peak effect in iron-based superconductors $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ ( $x = 0.69$ and $0.76$ ) for magnetic-field directions close to the $ab$ plane and its possible relation to the spin paramagnetic effect. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
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19	Magnetic Penetration Depth in the FeAs-Based Superconductor $\text{KFe}_2\text{As}_2$ . <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, SB046	1.5	2
18	Inverse isotope effect in iron-based superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S291-S293	1.3	2
17	De Haas–van Alphen oscillations in $\text{KFe}_2\text{As}_2$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S351-S352	1.3	2
16	$^{75}\text{As}$ -NMR study of hole-doped iron-based superconductor $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S464-S465	1.3	2
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