

Kunihiro Kihou

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.

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	Thermoelectric properties of yttrium-doped $\text{Mg}_3(\text{Sb,Bi})_2$ synthesized by melting method. <i>Journal of Materials Research and Technology</i> , 2021 , 10, 438-444	5.5	4
151	Elastoresistance measurements on $\text{CaKFe}_4\text{As}_4$ and $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ with the Fe site of C_{2v} symmetry. <i>Physical Review B</i> , 2020 , 102,	3.3	7
150	Superconductivity with broken time-reversal symmetry inside a superconducting s-wave state. <i>Nature Physics</i> , 2020 , 16, 789-794	16.2	20
149	Thermoelectric Properties of $(\text{Ba,K})\text{ZnAs}$ Crystallized in the ThCrSi -type Structure. <i>Inorganic Chemistry</i> , 2020 , 59, 5828-5834	5.1	6
148	Oxygen Deficiency Dependence of Pressure Effects on Superconducting Critical Temperatures of Perovskite-related Mixed-anion Layered Compound $\text{Sr}_2\text{VFeAsO}_3$. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 114712	1.5	
147	Thermoelectric properties of $\text{NaZn}_{4-x}\text{Cu}_x\text{As}_3$ crystalized in the rhombohedral structure. <i>Journal of Solid State Chemistry</i> , 2020 , 291, 121588	3.3	
146	Thermoelectric Properties of $(\text{La}_{1-x}\text{Sr}_x\text{ZnAsO})$. <i>Journal of Electronic Materials</i> , 2020 , 49, 6715-6720	1.9	0
145	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> , 2019 , 99,	3.3	2
144	Effect of partial Yb filling on thermoelectric properties of skutterudite compound RhSb_3 . <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 081006	1.4	2
143	Orbital-anisotropic electronic structure in the nonmagnetic state of $\text{BaFe}(\text{AsP})$ superconductors. <i>Scientific Reports</i> , 2018 , 8, 2169	4.9	6
142	Mass Enhancements and Band Shifts in Strongly Hole-Overdoped Fe-Based Pnictide Superconductors: KFe_2As_2 and CsFe_2As_2 . <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 777-783	1.5	6
141	Superconductivity in a New 1144-Type Family of $(\text{La,Na})\text{AFeAs}$ ($A = \text{Rb}$ or Cs). <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 868-873	6.4	13
140	Superconducting state in $(\text{Eu}_{1-x}\text{Ca}_x)\text{RbFe}_4\text{As}_4$ with 1144-type Structure. <i>Journal of Physics: Conference Series</i> , 2018 , 969, 012027	0.3	7
139	Thermoelectric properties of $(\text{Ba,K})\text{CdAs}$ crystallized in the CaAlSi -type structure. <i>Dalton Transactions</i> , 2018 , 47, 16205-16210	4.3	13
138	Thermoelectric properties of partially filled skutterudites $\text{R}_x\text{Co}_4\text{Sb}_{12}$ ($R = \text{Ce}$ and Nd) synthesized under high pressures. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 125506	1.4	4
137	Anisotropic Gröisen Parameter and Diverse Order Parameter Fluctuations in Iron-Based Superconductor $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 074710	1.5	5
136	Thermoelectric Properties of As-Based Zintl Compounds BaKZnAs . <i>Inorganic Chemistry</i> , 2017 , 56, 3709-3712	3.12	16

135	Unusual nodal behaviors of the superconducting gap in the iron-based superconductor Ba(Fe _{0.65} Ru _{0.35}) ₂ As ₂ : Effects of spin-orbit coupling. <i>Physical Review B</i> , 2017 , 95,	3.3	1
134	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. <i>Science Advances</i> , 2017 , 3, e1700466	14.3	10
133	Anisotropic resonance modes emerging in an antiferromagnetic superconducting state. <i>Scientific Reports</i> , 2017 , 7, 10307	4.9	12
132	Superconductivity with broken time-reversal symmetry in ion-irradiated Ba _{0.27} K _{0.73} Fe ₂ As ₂ single crystals. <i>Physical Review B</i> , 2017 , 95,	3.3	27
131	Suppression of spin-exciton state in hole overdoped iron-based superconductors. <i>Scientific Reports</i> , 2016 , 6, 23424	4.9	14
130	Simultaneous evidence for Pauli paramagnetic effects and multiband superconductivity in KFe ₂ As ₂ by small-angle neutron scattering studies of the vortex lattice. <i>Physical Review B</i> , 2016 , 93,	3.3	3
129	Single-Crystal Growth of Ba _{1-x} K _x Fe ₂ As ₂ by KAs Self-Flux Method. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 034718	1.5	15
128	Spin excitations in hole-overdoped iron-based superconductors. <i>Scientific Reports</i> , 2016 , 6, 33303	4.9	11
127	Absence of superconductivity in the collapsed tetragonal phase of KFe ₂ As ₂ under hydrostatic pressure. <i>Physical Review B</i> , 2016 , 94,	3.3	10
126	New-Structure-Type Fe-Based Superconductors: CaFe ₄ As ₄ (A = K, Rb, Cs) and SrFe ₄ As ₄ (A = Rb, Cs). <i>Journal of the American Chemical Society</i> , 2016 , 138, 3410-5	16.4	169
125	Superconductivity in Fe-Based Compound EuFe ₄ As ₄ (A = Rb and Cs). <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 064710	1.5	53
124	Synthesis, structure, and phase diagram of (Sr _{1-x} Nax)Fe ₂ As ₂ superconductors. <i>Superconductor Science and Technology</i> , 2015 , 28, 062001	3.1	16
123	In-plane electronic anisotropy in the antiferromagnetic orthorhombic phase of isovalent-substituted Ba(Fe _{1-x} Rux) ₂ As ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	6
122	Identifying the 'fingerprint' of antiferromagnetic spin fluctuations in iron pnictide superconductors. <i>Nature Physics</i> , 2015 , 11, 177-182	16.2	30
121	Anisotropy of the superconducting gap in the iron-based superconductor BaFe ₂ (As(1-x)P(x)) ₂ . <i>Scientific Reports</i> , 2014 , 4, 7292	4.9	22
120	Evidence for excluding the possibility of d-wave superconducting-gap symmetry in Ba-doped KFe ₂ As ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	37
119	Pseudogap formation above the superconducting dome in iron pnictides. <i>Physical Review B</i> , 2014 , 89,	3.3	63
118	Superconductivity at 4.4 K in Ba ₂ Bi ₃ . <i>Superconductor Science and Technology</i> , 2014 , 27, 072001	3.1	4

117	Thermodynamic Study of Nodal Structure and Multiband Superconductivity of KFe ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 013704	1.5	23
116	Doping evolution of the quasiparticle excitations in heavily hole-doped Ba _{1-x} K _x Fe ₂ As ₂ : A possible superconducting gap with sign-reversal between hole pockets. <i>Physical Review B</i> , 2014 , 89,	3.3	39
115	Vortex lattice structure in BaFe ₂ (As _{0.67} P _{0.33}) ₂ via small-angle neutron scattering. <i>Physical Review B</i> , 2014 , 90,	3.3	9
114	In-situ observation of synthesizing process of MmxCo ₄ Sb ₁₂ utilizing x-ray diffraction under high temperatures and high pressures. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012017	0.3	3
113	Normal-state charge dynamics in doped BaFe ₂ As ₂ roles of doping and necessary ingredients for superconductivity. <i>Scientific Reports</i> , 2014 , 4, 5873	4.9	38
112	Orbital character and electron correlation effects on two- and three-dimensional Fermi surfaces in KFe ₂ As ₂ revealed by angle-resolved photoemission spectroscopy. <i>Frontiers in Physics</i> , 2014 , 2,	3.9	37
111	Strong Electronic Correlations in Iron Pnictides: Comparison of Optical Spectra for BaFe ₂ As ₂ -Related Compounds. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 104703	1.5	21
110	Anisotropic magnetic form factor in a detwinned single crystal of BaFe ₂ As ₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	1
109	Anisotropy of incommensurate magnetic excitations in slightly overdoped Ba _{0.5} K _{0.5} Fe ₂ As ₂ probed by polarized inelastic neutron scattering experiments. <i>Physical Review B</i> , 2014 , 90,	3.3	21
108	Evidence of a universal relation between electron-mode coupling and T _c in Ba _{1-x} K _x Fe ₂ As ₂ superconductor from laser angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2014 , 90,	3.3	5
107	Electronic structure of BaNi ₂ P ₂ observed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3.3	11
106	Two distinct superconducting states in KFe ₂ As ₂ under high pressure. <i>Physical Review B</i> , 2014 , 89,	3.3	23
105	Superconductivity at the highest transition temperature of 8.1 K in a simple cubic A _{1-x} Sb _x Te alloy system synthesized under high pressure. <i>Superconductor Science and Technology</i> , 2014 , 27, 025005	3.1	2
104	Fermi surface in KFe ₂ As ₂ determined via de Haas-van Alphen oscillation measurements. <i>Physical Review B</i> , 2013 , 87,	3.3	47
103	Crossover from bad to good metal in BaFe ₂ (As _{1-x} P _x) ₂ induced by isovalent P substitution. <i>Physical Review B</i> , 2013 , 88,	3.3	19
102	Probing the anisotropic vortex lattice in the Fe-based superconductor KFe ₂ As ₂ using small-angle neutron scattering. <i>Physical Review B</i> , 2013 , 88,	3.3	6
101	Fermi-surface reconstruction involving two van Hove singularities across the antiferromagnetic transition in BaFe ₂ As ₂ . <i>Solid State Communications</i> , 2013 , 157, 16-20	1.6	5
100	Critical current density and vortex dynamics in pristine and proton-irradiated (Ba,K)Fe ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 494, 106-108	1.3	4

99	Discovery of the $\text{Ca}_4\text{Al}_2\text{O}_6\text{Fe}_2\text{Pn}_2$ (Pn=As, P) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 484, 12-15	1.3	6
98	Effect of doping on the magnetostructural ordered phase of iron arsenides: a comparative study of the resistivity anisotropy in doped BaFe_2As_2 with doping into three different sites. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3158-63	16.4	39
97	Dependence of carrier doping on the impurity potential in transition-metal-substituted FeAs-based superconductors. <i>Physical Review Letters</i> , 2013 , 110, 107007	7.4	63
96	Effects of Zn substitution on the electronic structure of BaFe_2As_2 revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2013 , 87,	3.3	8
95	Anisotropy of the in-plane resistivity of underdoped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ superconductors induced by impurity scattering in the antiferromagnetic orthorhombic phase. <i>Physical Review Letters</i> , 2013 , 110, 207001	7.4	86
94	Strange Inter-Layer Properties of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ Appearing in Ultrasonic Measurements. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 114604	1.5	18
93	Universality of the dispersive spin-resonance mode in superconducting BaFe_2As_2 . <i>Physical Review Letters</i> , 2013 , 111, 167002	7.4	21
92	Hysteretic superconducting resistive transition in $\text{Ba}_{0.07}\text{K}_{0.93}\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2013 , 87,	3.3	22
91	Splitting of resonance excitations in nearly optimally doped $\text{Ba}(\text{Fe}_{0.94}\text{Co}_{0.06})_2\text{As}_2$: an inelastic neutron scattering study with polarization analysis. <i>Physical Review Letters</i> , 2013 , 110, 137001	7.4	48
90	Enhanced high-field transport critical current densities observed for $\text{Ag}/(\text{Ba}, \text{K})\text{Fe}_2\text{As}_2$ thin tapes. <i>Superconductor Science and Technology</i> , 2013 , 26, 065003	3.1	18
89	Quantum oscillations in iron-based superconductors: BaFe_2As_2 vs. KFe_2As_2 . <i>Journal of Physics: Conference Series</i> , 2013 , 449, 012022	0.3	1
88	Large elastic anomalies and strong electron-lattice coupling in iron-based superconductor $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. <i>Solid State Communications</i> , 2012 , 152, 680-687	1.6	5
87	Relationship between crystal structure and superconductivity in iron-based superconductors. <i>Solid State Communications</i> , 2012 , 152, 644-648	1.6	62
86	Angle-resolved photoemission study on the superconducting iron-pnictides of $\text{BaFe}_2(\text{As}, \text{P})_2$ with low energy photons. <i>Solid State Communications</i> , 2012 , 152, 695-700	1.6	7
85	Growth of $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ Single Crystals (0001) by $\text{Ba}_2\text{As}_3/\text{Ba}_2\text{P}_3$ -Flux Method. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 104710	1.5	48
84	Universal heat conduction in the iron arsenide superconductor KFe_2As_2 : evidence of a d-wave state. <i>Physical Review Letters</i> , 2012 , 109, 087001	7.4	145
83	Potential Antiferromagnetic Fluctuations in Hole-Doped Iron-Pnictide Superconductor $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ Studied by ^{75}As Nuclear Magnetic Resonance Measurement. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 054704	1.5	44
82	Disappearance of superconductivity in the solid solution between $(\text{Ca}_4\text{Al}_2\text{O}_6)(\text{Fe}_2\text{As}_2)$ and $(\text{Ca}_4\text{Al}_2\text{O}_6)(\text{Fe}_2\text{P}_2)$ superconductors. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15181-4	16.4	7

81	From d-wave to s-wave pairing in the iron-pnictide superconductor (Ba,K)Fe ₂ As ₂ . <i>Superconductor Science and Technology</i> , 2012 , 25, 084013	3.1	48
80	Anisotropic energy gaps of iron-based superconductivity from intraband quasiparticle interference in LiFeAs. <i>Science</i> , 2012 , 336, 563-7	33.3	139
79	Structural Quantum Criticality and Superconductivity in Iron-Based Superconductor Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 024604	1.5	155
78	Electronic reconstruction through the structural and magnetic transitions in detwinned NaFeAs. <i>New Journal of Physics</i> , 2012 , 14, 073019	2.9	73
77	Octet-line node structure of superconducting order parameter in KFe ₂ As ₂ . <i>Science</i> , 2012 , 337, 1314-7	33.3	196
76	Effect of Co doping on the in-plane anisotropy in the optical spectrum of underdoped Ba(Fe _{1-x} Co _x) ₂ As ₂ . <i>Physical Review Letters</i> , 2012 , 109, 217003	7.4	60
75	Abrupt change in the energy gap of superconducting Ba _{1-x} K _x Fe ₂ As ₂ single crystals with hole doping. <i>Physical Review B</i> , 2012 , 86,	3.3	51
74	Inverse-photoemission spectroscopy of iron-based superconductors NdFeAsO _{1-x} and Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Journal of Physics: Conference Series</i> , 2012 , 391, 012137	0.3	
73	Elastic Anomalies Associated with superconducting phase transitions in Iron-based Superconductor Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022037	0.3	
72	Magnetic Penetration Depth in the FeAs-Based Superconductor KFe ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2012 , 81, SB046	1.5	2
71	Flux-line lattice state in FeAs-based superconductor KFe ₂ As ₂ . <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022087	0.3	1
70	Study of Neutron Diffraction on 154SmRu ₄ P ₁₂ Single Crystal. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 063702	1.5	12
69	NMR study of hole-doped iron-pnictide superconductor Ba _{1-x} K _x Fe ₂ As ₂ (x = 0.27). <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022026	0.3	1
68	Gap in KFe ₂ As ₂ studied by small-angle neutron scattering observations of the magnetic vortex lattice. <i>Physical Review B</i> , 2011 , 84,	3.3	48
67	Cyclotron resonance and mass enhancement by electron correlation in KFe ₂ As ₂ . <i>Physical Review Letters</i> , 2011 , 107, 166402	7.4	10
66	Pressure and K doping induced superconductivity in BaFe ₂ As ₂ . <i>Journal of Physics: Conference Series</i> , 2011 , 273, 012096	0.3	1
65	Stabilization of ErFeAsO-based superconductor by hydrogen doping under high pressure. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 597-599	1.3	
64	Emergence of superconductivity in "32522" structure of (Ca ₃ Al ₂ O _{5-y})(Fe ₂ Pn ₂) (Pn = As and P). <i>Journal of the American Chemical Society</i> , 2011 , 133, 9630-3	16.4	34

63	Superconducting gap in iron pnictides studied by optical spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 511-513	3.9	3
62	Fermi surfaces and quasi-particle band dispersions of the iron pnictides superconductor KFe ₂ As ₂ observed by angle-resolved photoemission spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 465-468	3.9	45
61	Effects of uniaxial pressure and annealing on the resistivity of Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 418-419	3.9	23
60	NMR/NQR and Specific Heat Studies of Iron Pnictide Superconductor KFe ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2011 , 80, SA118	1.5	23
59	Complete Fermi surface in BaFe ₂ As ₂ observed via Shubnikov-de Haas oscillation measurements on detwinned single crystals. <i>Physical Review Letters</i> , 2011 , 107, 176402	7.4	74
58	Incommensurate spin fluctuations in hole-overdoped superconductor KFe ₂ As ₂ . <i>Physical Review Letters</i> , 2011 , 106, 067003	7.4	68
57	Angle-resolved photoemission spectroscopy study of PrFeAsO _{0.7} : Comparison with LaFePO. <i>Physical Review B</i> , 2011 , 84,	3.3	20
56	Manifestations of multiple-carrier charge transport in the magnetostructurally ordered phase of BaFe ₂ As ₂ . <i>Physical Review B</i> , 2011 , 84,	3.3	63
55	Unprecedented anisotropic metallic state in undoped iron arsenide BaFe ₂ As ₂ revealed by optical spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12238-42	11.5	158
54	Possible hydrogen doping and enhancement of T _c (=35 K) in a LaFeAsO-based superconductor. <i>Applied Physics Letters</i> , 2010 , 96, 072514	3.4	34
53	Absence of an appreciable iron isotope effect on the transition temperature of the optimally doped SmFeAsO(1-y) Superconductor. <i>Physical Review Letters</i> , 2010 , 105, 037004	7.4	37
52	Superconductivity at 28.3 and 17.1 K in (Ca ₄ Al ₂ O ₆) ₂ (Fe ₂ Pn ₂) (Pn=As and P). <i>Applied Physics Letters</i> , 2010 , 97, 172506	3.4	54
51	Comment on "Quantum criticality and nodal superconductivity in the FeAs-based superconductor KFe ₂ As ₂ ". <i>Physical Review Letters</i> , 2010 , 104, 259701; author reply 259702	7.4	18
50	Evolution of the optical spectrum with doping in Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2010 , 81,	3.3	116
49	Thermoelectric properties of LaFeAsO _{1-x} at low temperature. <i>Journal of Applied Physics</i> , 2010 , 108, 033703	2.5	8
48	Quasi-two-dimensional Fermi surfaces and coherent interlayer transport in KFeAs ₂ . <i>Physical Review Letters</i> , 2010 , 105, 246403	7.4	12
47	Evidence for superconducting gap nodes in the zone-centered hole bands of KFe ₂ As ₂ from magnetic penetration-depth measurements. <i>Physical Review B</i> , 2010 , 82,	3.3	166
46	Synthesis of ErFeAsO-based superconductors by the hydrogen doping method. <i>Europhysics Letters</i> , 2010 , 92, 57011	1.6	8

45	Observation of Softened Fe Modes in K-Doped BaFe ₂ As ₂ via ⁵⁷ Fe Nuclear Resonant Inelastic Scattering. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 013706	1.5	7
44	Appearance of pressure-induced superconductivity in BaFe ₂ As ₂ under hydrostatic conditions and its extremely high sensitivity to uniaxial stress. <i>Physical Review B</i> , 2010 , 81,	3.3	88
43	Single Crystal Growth and Characterization of the Iron-Based Superconductor KFe ₂ As ₂ Synthesized by KAs Flux Method. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 124713	1.5	104
42	⁷⁵ As-NMR study of the iron pnictide Ba _{1-x} K _x Fe ₂ As ₂ under high pressure. <i>Journal of Physics: Conference Series</i> , 2010 , 215, 012041	0.3	4
41	Fermi Surface and Mass Enhancement in KFe ₂ As ₂ from de Haas-van Alphen Effect Measurements. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 053702	1.5	90
40	Effect of K Doping on Phonons in Ba _{1-x} K _x Fe ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 014714	1.4	12
39	Inverse isotope effect in iron-based superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S291-S293	1.3	2
38	De Haas-van Alphen oscillations in KFe ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S351-S352	1.3	2
37	Optical response of FeAs-based compounds. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S326-S327	1.3	4
36	⁷⁵ As-NMR study of hole-doped iron-based superconductor Ba _{1-x} K _x Fe ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S464-S465	1.3	2
35	Iron isotope effect on T _c in optimally-doped (Ba,K)Fe ₂ As ₂ (T _c = 38 K) and SmFeAsO _{1-x} (T _c = 54 K) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 986-988	1.3	2
34	Synthesis of LnFeAsO _{1-y} superconductors (Ln = La and Nd) using the high-pressure technique. <i>New Journal of Physics</i> , 2009 , 11, 045002	2.9	5
33	Possible Multiple Gap Superconductivity with Line Nodes in Heavily Hole-Doped Superconductor KFe ₂ As ₂ Studied by ⁷⁵ As Nuclear Quadrupole Resonance and Specific Heat. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 083712	1.5	127
32	Superconductivity above 50 K in LnFeAsO _{1-y} (Ln = Nd, Sm, Gd, Tb, and Dy) Synthesized by High-Pressure Technique. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 034712	1.5	92
31	Three-Dimensional Electronic Structure of Superconducting Iron Pnictides Observed by Angle-Resolved Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 123706	1.5	61
30	High-pressure synthesis and physical properties of new iron (nickel)-based superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 355-369	1.3	36
29	Inverse iron isotope effect on the transition temperature of the (Ba,K)Fe ₂ As ₂ superconductor. <i>Physical Review Letters</i> , 2009 , 103, 257003	7.4	80
28	⁷⁵ As NMR Study of Hole-Doped Superconductor Ba _{1-x} K _x Fe ₂ As ₂ (T _c = 38 K). <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 033704	1.5	98

27	Strong-Coupling Spin-Singlet Superconductivity with Multiple Full Gaps in Hole-Doped Ba _{0.6} K _{0.4} Fe ₂ As ₂ Probed by ⁵⁷ Fe-NMR. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 103702	1.5	96
26	Effect of Structural Parameters on Superconductivity in Fluorine-Free LnFeAsO _{1-y} (Ln = La, Nd). <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 083704	1.5	542
25	Phonon Dynamics of Type-I Clathrate Sr ₈ Ga ₁₆ Ge ₃₀ Studied by Inelastic Neutron Scattering. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 260-262	1.5	13
24	Synthesis and Superconductivity of Fluorine-Substituted NdFeAsO _{1-y-x} F _x and Oxygen-Deficient NdFeAsO _{1-y} . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 127-128	1.5	4
23	Crystallographic Structure of Fluorine-Free Oxypnictide NdFeAsO _{1-y} by Electron Microscopy. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 129-130	1.5	
22	Synthesis and Physical Properties of LnFeAsO _{1-y} . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 36-39	1.5	9
21	Relationship Between Crystal Structure and Superconductivity in LnFeAsO _{1-y} (Ln = Lanthanide). <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 44-46	1.5	25
20	Structural Analysis of Fluorine-Free Oxypnictide Superconductor NdFeAsO _{1-y} by Electron Diffraction Analysis and Electron Microscopy. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 105003	1.5	4
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18	Neutron scattering study of phonon dynamics on type-I Clathrate Ba ₈ Ga ₁₆ Ge ₃₀ . <i>Journal of Physics: Conference Series</i> , 2007 , 92, 012169	0.3	18
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15	Structural analysis of the filled skutterudite at high pressure and low temperature. <i>Physica B: Condensed Matter</i> , 2006 , 378-380, 199-200	2.8	
14	Transport properties of filled skutterudite antiferromagnet. <i>Physica B: Condensed Matter</i> , 2006 , 378-380, 235-236	2.8	7
13	Specific heat of filled skutterudite. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 977-979	2.8	17
12	Pressure effect for metal-insulator transition in filled skutterudite PrRu ₄ P ₁₂ . <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 853-855	2.8	4
11	Magnetic properties of TbRu ₄ P ₁₂ studied by neutron diffraction. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 859-861	2.8	8
10	NMR study of the new filled skutterudite superconductor YFe ₄ P ₁₂ . <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 883-885	2.8	5

9	Electrical and magnetic properties of new filled skutterudites $\text{LnFe}_4\text{P}_{12}$ ($\text{Ln} = \text{Ho}, \text{Er}, \text{Tm}$ and Yb) and $\text{YRu}_4\text{P}_{12}$ with heavy lanthanide (including Y) prepared at high pressure. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 4383-4391	1.8	28
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