Akira Iyo

List of Publications by Year in descending order

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493	11,071	36691 53	58552 86
papers	citations	h-index	g-index

501	501	501	5036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of the local structure of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>La</mml:mi></mml:mrow><mml:mrow><mml:mn> Physical Review B, 2022, 105, .	1.1	2
2	Evidence for Dirac nodal-line fermions in a phosphorous square-net superconductor. Physical Review B, 2022, 105, .	1.1	2
3	Direct observation of the electronic structure of the layered phosphide superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>ZrP</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2022, 105, .	1.1	0
4	High-pressure synthesis and superconductivity of the novel laves phase BaIr2. Intermetallics, 2022, 148, 107643.	1.8	5
5	Intrinsic defect structures of polycrystalline CaKFe₄As₄ superconductors. Physical Chemistry Chemical Physics, 2021, 23, 19827-19833.	1.3	7
6	Calcium-free double-layered cuprate superconductors with critical temperature above 100â€‰K. Communications Materials, 2021, 2, .	2.9	5
7	Temperature Dependence of the Local Structure and Iron Magnetic Moment in the Self-Doped CaKFe₄As₄ Iron-Based Superconductor. Journal of Physical Chemistry C, 2021, 125, 10810-10816.	1.5	5
8	Electronic Structure of Novel Superconductor (Ca_{1-x}Sr_x)Pd₃P. Journal of Physics: Conference Series, 2021, 1975, 012004.	0.3	1
9	NMR investigations toward understanding the variety of ground states in iron-based superconductors. Journal of Physics: Conference Series, 2021, 1975, 012008.	0.3	0
10	Superconductivity-driven ferromagnetism and spin manipulation using vortices in the magnetic superconductor EuRbFe ₄ As ₄. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
11	Superconductivity of centrosymmetric and non-centrosymmetric phases in antiperovskite (Ca,Sr)Pd3P. Journal of Alloys and Compounds, 2021, 882, 160733.	2.8	6
12	Antiperovskite Superconductor LaPd₃P with Noncentrosymmetric Cubic Structure. Inorganic Chemistry, 2021, 60, 18017-18023.	1.9	7
13	Posttreatment Effects on the Crystal Structure and Superconductivity of Ca-Free Double-Layered Cuprate Sr₂SrCu₂O_{4+y}F_{2â€“y}. Chemistry of Materials, 2021, 33, 9690-9697.	3.2	1
14	Experimental and Computational Determination of Optimal Boron Content in Layered Superconductor Sc₂₀C_{8â€“x}B_xC₂₀. Inorganic Chemistry, 2020, 59, 14290-14295.	1.9	1
15	Structural Phase Transitions and Superconductivity Induced in Antiperovskite Phosphide CaPd3P. Inorganic Chemistry, 2020, 59, 12397-12403.	1.9	10
16	Effect of non-magnetic rare earth substitution for A site in mixed anion APX superconductors. Journal of Physics: Conference Series, 2020, 1590, 012007.	0.3	1
17	Elastoresistance measurements on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></mml:mrow> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>KCa</mml:mi><mml:mn>2</mml:mn></mml:mrow> mat. Physical Review B, 2020, 102, .	1.1	14
18	Superconducting-Gap Anisotropy of Iron Pnictides Investigated via Combinatorial Microwave Measurements. Scientific Reports, 2020, 10, 7064.	1.6	5

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19	Novel electronic nematicity in heavily hole-doped iron pnictide superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6424-6429.	3.3	29
20	Synthesis of CaKFe₄As₄ bulk samples with high critical current density using a spark plasma sintering technique. Superconductor Science and Technology, 2020, 33, 094005.	1.8	12
21	Sn addition effects on CaKFe4As4 superconductors. Superconductor Science and Technology, 2020, 33, 104004.	1.8	3
22	Discovery of Mg₂Rh₃P and Superconductivity Induced by Mg-Deficiency. Nihon Kessho Gakkaishi, 2020, 62, 219-220.	0.0	0
23	Superconducting properties of the ternary boride YRh₄B₄. Superconductor Science and Technology, 2020, 33, 125006.	1.8	4
24	Uncollapsed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LaFe</mml:mi><mml:mn>2</mml:mn></mm mathvariant="normal">As</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> phase: Compensated, highly doped, electron-phonon-coupled, iron-based superconductor. Physical Review Materials, 2020, 4, .	0.9	3
25	Coexisting spin resonance and long-range magnetic order of Eu in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>EuRbFe</mml:mi><mml:mn>4</mml:mn> Physical Review B, 2019, 100, .	1.1	34
26	Unique defect structure and advantageous vortex pinning properties in superconducting CaKFe4As4. Npj Quantum Materials, 2019, 4, .	1.8	43
27	Effects of Swift-Particle Irradiations on Critical Current Density in CaKFe4As4. Journal of Physics: Conference Series, 2019, 1293, 012013.	0.3	5
28	Electronic Structure of Novel Non-centrosymmetric Superconductor Mg₂Rh₃P. Journal of Physics: Conference Series, 2019, 1293, 012028.	0.3	6
29	Effect of non-magnetic rare earth substitution for Zr on mixed anion Zr(P, Se)2 superconductors II. Journal of Physics: Conference Series, 2019, 1293, 012003.	0.3	1
30	Superconductivity in a Scandium Borocarbide with a Layered Crystal Structure. Inorganic Chemistry, 2019, 58, 15629-15636.	1.9	4
31	Highly c-axis orientated superconducting core and large critical current density in Ba0.6Na0.4Fe2As2 powder-in-tube tape. Scientific Reports, 2019, 9, 13064.	1.6	11
32	High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma iron phosphide superconductivity enhanced by reemergent antiferromagnetic spin fluctuations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:msub><mml:mi>Sr</mml:mm mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml. Physical Review B, 2019, 100, .	1.1	6
33	Doping dependence of the pinning efficiency in K-doped Ba122 single crystals prior to and after fast neutron irradiation. Superconductor Science and Technology, 2019, 32, 094004.	1.8	1
34	Large and significantly anisotropic critical current density induced by planar defects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">CaKFe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> single crystals. Physical Review B, 2019, 99, .	1.1	42
35	Anomalous peak effect in iron-based superconductors Ba1âˆ'xKxFe2As2 (x â‰ˆ 0.69 and 0.76) for magnetic-field directions close to the ab plane and its possible relation to the spin paramagnetic effect. Physical Review B, 2019, 99, .	1.1	5
36	Superconductivity in Uncollapsed Tetragonal LaFe₂As₂. Journal of Physical Chemistry Letters, 2019, 10, 1018-1023.	2.1	17

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37	Unconventional Multi-gap Superconductivity and Antiferromagnetic Spin Fluctuations in New Iron-arsenide LaFe2As2 in Heavily Electron-doped Regime. Journal of the Physical Society of Japan, 2019, 88, 113702.	0.7	5
38	Superconductivity induced by Mg deficiency in noncentrosymmetric phosphide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Mg</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Rh</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">P</mml:mi></mml:mrow></mml:math>. Physical Review Materials, 2019, 3, .	0.9	11
39	Orbital-anisotropic electronic structure in the nonmagnetic state of BaFe2(As1âˆ'xP x)2 superconductors. Scientific Reports, 2018, 8, 2169.	1.6	9
40	Direct observation of in-plane anisotropy of the superconducting critical current density in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="bold">Ba</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi) Tj ETQq0 0 0 rgBT /Overlock	1.1	6
41	Physical Review B, 2018, 97, . Superconductivity in a New 1144-Type Family of (La,Na)AFe₄As₄ (A = Rb or Cs). Journal of Physical Chemistry Letters, 2018, 9, 868-873.	2.1	19
42	Superconductivity on Hole-Doping Side of (La_{0.5â€“x}Na_{0.5+x})Fe₂As₂. Journal of the American Chemical Society, 2018, 140, 369-374.	6.6	20
43	Single Crystal growth of mixed anion Zr(P, Se)₂ superconductor and related materials. Journal of Physics: Conference Series, 2018, 1054, 012003.	0.3	5
44	Effect of non-magnetic rare earth substitution for Zr on mixed anion Zr(P, Se)₂ superconductors. Journal of Physics: Conference Series, 2018, 1054, 012002.	0.3	7
45	Electronic Structure of Novel Binary Superconductor SrGe₂: A First-Principles Study. Journal of Physics: Conference Series, 2018, 1054, 012004.	0.3	2
46	Superconductivity in a 122-type Fe-based compound (La,Na,K)Fe2As2. Scientific Reports, 2018, 8, 16827.	1.6	3
47	Fe-Based Superconductors of (Ln0.5â€“xNa0.5+x)Fe2As2 (Ln = Ce, Pr). Inorganic Chemistry, 2018, 57, 9223-9229.	1.9	4
48	Superconducting state in (Eu1-xCax)RbFe4As4with 1144-type Structure. Journal of Physics: Conference Series, 2018, 969, 012027.	0.3	9
49	Effects of post-growth heat treatment on electronic phase diagrams and critical current densities of Ba(Fe1âˆ'xCox)2As2 and BaFe2(As1âˆ'xPx)2 single crystals. Physical Review B, 2018, 98, .	1.1	2
50	Doping-dependent critical current properties in K, Co, and P-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> single crystals. Physical Review B, 2017, 95, .	1.1	54
51	Fabrication of iron-based superconducting tapes using Ba1âˆ'xKxFe2As2withx= 0.3 and 0.4. Superconductor Science and Technology, 2017, 30, 054001.	1.8	6
52	Unusual nodal behaviors of the superconducting gap in the iron-based superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mi>Ba</mml:mi><mml:mo>(</mml:mo><mml:m	1.1	2
53	Synthesis and Superconductivity of a Strontium Digermanide SrGe_{2âˆ'Î´} with ThSi₂ Structure. Inorganic Chemistry, 2017, 56, 8590-8595.	1.9	8
54	Spin Resonance in the New-Structure-Type Iron-Based Superconductor CaKFe₄As₄. Journal of the Physical Society of Japan, 2017, 86, 093703.	0.7	25

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55	Crystal aeschynite-type polar magnets <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:mi>FeW</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> () Tj ETQq1 1 0.784314 rgBT /Ov	1.1	34
56	Signature of multigap nodeless superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2017, 95, .	1.1	32
57	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. Science Advances, 2017, 3, e1700466.	4.7	17
58	Electrical resistivity of FeAs, FeAs₂ and Fe₂As at homogeneous high pressures. Journal of Physics: Conference Series, 2017, 950, 042024.	0.3	6
59	Hybridization Effect in BaFe2(As1â^'xPx)2Observed by Hard X-ray Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2017, 86, 053702.	0.7	2
60	Distinct doping dependence of critical temperature and critical current density in Ba1â^'xKxFe2As2 superconductor. Scientific Reports, 2016, 6, 26671.	1.6	27
61	Research Update: Structural and transport properties of (Ca,La)FeAs2 single crystal. APL Materials, 2016, 4, .	2.2	4
62	Novel Interplay between High-TcSuperconductivity and Antiferromagnetism in Tl-Based Six-CuO2-Layered Cuprates:205Tl- and63Cu-NMR Probes. Journal of the Physical Society of Japan, 2016, 85, 083701.	0.7	4
63	Superconductivity in Fe-Based Compound EuAFe₄As₄ (A = Rb and Cs). Journal of the Physical Society of Japan, 2016, 85, 064710.	0.7	68
64	Single-Crystal Growth of Ba_{1â^'}_xK_xFe₂As₂ by KAs Self-Flux Method. Journal of the Physical Society of Japan, 2016, 85, 034718.	0.7	20
65	Superconductivity in layered ZrP_{2â^'x}Se_xwith PbFCl-type structure. Superconductor Science and Technology, 2016, 29, 055004.	1.8	15
66	Search for New Superconductors Using Cubic-Anvil-Type High-Pressure Apparatus. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2016, 26, 232-239.	0.1	0
67	Iron isotope effect in SmFeAsO0.65and SmFeAsO0.77H0.12superconductors: A Raman study. AIP Advances, 2016, 6, 105310.	0.6	4
68	Absence of superconductivity in the collapsed tetragonal phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>KF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>under hydrostatic pressure. Physical Review B, 2016, 94, .	1.1	12
69	Superconductivity in LaBi₃with AuCu₃-type structure. Superconductor Science and Technology, 2016, 29, 03LT02.	1.8	22
70	New-Structure-Type Fe-Based Superconductors: CaAFe₄As₄ (A =) Tj ETQq0 0 0 rgBT /Overlock 1 Chemical Society, 2016, 138, 3410-3415.	6.6	228
71	In-plane electronic anisotropy in the antiferromagnetic orthorhombic phase of isovalent-substituted<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:m Physical Review B, 2015, 92, .	1.1	7
72	Large enhancement of superconducting transition temperature of SrBi3 induced by Na substitution for Sr. Scientific Reports, 2015, 5, 10089.	1.6	20

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73	Pressure Effects on Superconducting Properties of the BiS₂-Based Superconductor Bi₂(O,F)S₂. Journal of the Physical Society of Japan, 2015, 84, 084703.	0.7	4
74	Identifying the 'fingerprint' of antiferromagnetic spin fluctuations in iron pnictide superconductors. Nature Physics, 2015, 11, 177-182.	6.5	35
75	Dependences on RE of superconducting properties of transition metal co-doped (Ca,RE)FeAs2 with RE= Laâ€“Gd. Physica C: Superconductivity and Its Applications, 2015, 518, 14-17.	0.6	7
76	Synthesis, structure, and phase diagram of (Sr_{1â^'<i>x</i>}Na_{<i>x</i>})Fe₂As₂superconductors. Superconductor Science and Technology, 2015, 28, 062001.	1.8	17
77	Co and Mn doping effect in polycrystalline (Ca,La) and (Ca,Pr)FeAs₂superconductors. Superconductor Science and Technology, 2015, 28, 065001.	1.8	24
78	Large critical current densities in a silver-sheathed (Sr,Na)Fe2As2tape. Superconductor Science and Technology, 2015, 28, 105007.	1.8	10
79	Orbital character and electron correlation effects on two- and three-dimensional Fermi surfaces in KFe2As2 revealed by angle-resolved photoemission spectroscopy. Frontiers in Physics, 2014, 2, .	1.0	39
80	Strong Electronic Correlations in Iron Pnictides: Comparison of Optical Spectra for BaFe₂As₂-Related Compounds. Journal of the Physical Society of Japan, 2014, 83, 104703.	0.7	24
81	Pressure dependence of<i>T_c</i>in<i>Ln</i>FeAsO_{1-y}(<i>Ln</i>= La, Ce, Nd, Tb). Journal of Physics: Conference Series, 2014, 568, 022047.	0.3	0
82	Anisotropic magnetic form factor in a detwinned single crystal ofBaFe2As2. Physical Review B, 2014, 90, .	1.1	1
83	Evidence of a universal relation between electron-mode coupling andTcinBa1â^'xKxFe2As2superconductor from laser angle-resolved photoemission spectroscopy. Physical Review B, 2014, 90, .	1.1	5
84	Electronic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaNi</mml:mi><mml:mn>2</mml:mn></mml:msub><mm by angle-resolved photoemission spectroscopy. Physical Review B, 2014, 89, .	1.1	12
85	Two distinct superconducting states inKFe2As2under high pressure. Physical Review B, 2014, 89, .	1.1	24
86	Synthesis and physical properties of Ca_{1â^'}<i>_xRE_x</i>FeAs₂with<i>RE</i>= Laâ€“Gd. Applied Physics Express, 2014, 7, 073102.	1.1	39
87	Superconductivity at the highest transition temperature of 8.1 K in a simple cubic Au_{<i>x</i>}Sb_{1â^'<i>x</i>â^'<i>y</i>}Te_{<i>y</i>}alloy system ...Science and Technology, 2014, 27, 025005.	1.8	4
88	Evidence for excluding the possibility of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>d</mml:mi></mml:math>-wave superconducting-gap symmetry in Ba-doped KFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn><	1.1	39
89	Pseudogap formation above the superconducting dome in iron pnictides. Physical Review B, 2014, 89, .	1.1	77
90	Superconductivity at 4.4 K in Ba₂Bi₃. Superconductor Science and Technology, 2014, 27, 072001.	1.8	8

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91	Crystal Structure and Superconductivity of BaIr₂Ge₇ and Ba₃Ir₄Ge₁₆ with Two-Dimensional Ba-Ge Networks. Journal of the American Chemical Society, 2014, 136, 5245-5248.	6.6	14
92	Study on the capacity fading of pristine and FePO 4 coated LiNi 1/3 Co 1/3 Mn 1/3 O 2 by Electrochemical and Magnetical techniques. Electrochimica Acta, 2014, 148, 26-32.	2.6	11
93	Thermodynamic Study of Nodal Structure and Multiband Superconductivity of KFe₂As₂. Journal of the Physical Society of Japan, 2014, 83, 013704.	0.7	25
94	Doping evolution of the quasiparticle excitations in heavily hole-doped Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>1</mml:mn><mml:mo>â”’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>K<mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As₂	1.1	41
95	Experimental Observation of a Possible First-Order Phase Transition below the Superconducting Transition Temperature in the Multilayer Cuprate Superconductor HgBa₂Ca₄Cu₅O_y. Journal of the Physical Society of Japan, 2014, 83, 074705.	0.7	16
96	New Intermetallic Ternary Phosphide ChalcogenideAP_{2â”’}_xX_x(A= Zr, Hf;X= S,) Tj ETQq0 0 0 rgBT /Overlock	0.7	16
97	Magnetic structure in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">BaFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo>(</mml:mo><mml:msub><mml:mi) Tj ETQq1 1 0 /><mml:mn>2</mml:mn></mml:msub></mml:math>via small-angle neutron scattering. Physical Review B, 83, 074713.	1.1	12
98	High stable post-spinel NaMn₂O₄ cathode of sodium ion battery. Journal of Materials Chemistry A, 2014, 2, 14822-14826.	5.2	59
99	Penetration depth and flux-flow resistivity measurements of BaFe2(As0.55P0.45)2 single crystals. Physica C: Superconductivity and Its Applications, 2014, 504, 24-27.	0.6	11
100	Deposition of superconducting Ba2Can-1CunO2n(O,F)2thin films by pulsed laser ablation. Journal of Physics: Conference Series, 2014, 568, 022023.	0.3	0
101	Iron isotope effect in the iron arsenide superconductor (Ca_{0.4}Na_{0.6})Fe₂As₂. Journal of Physics: Conference Series, 2014, 507, 012037.	0.3	1
102	Normal-state charge dynamics in doped BaFe2As2: Roles of doping and necessary ingredients for superconductivity. Scientific Reports, 2014, 4, 5873.	1.6	48
103	Anisotropy of the superconducting gap in the iron-based superconductor BaFe2(As1-xPx)2. Scientific Reports, 2014, 4, 7292.	1.6	25
104	Imbalance of Hole Density between Inner and Outer Planes and Superconducting Transition Temperature in Multilayered Cuprates. , 2014, , .		5
105	Selective Raman Scattering Detection of the Dirac Node and the Anti-node of the Spin Density Wave Gap and Magnetic Excitations in BaFe2As2. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1179-1183.	0.8	4
106	Fermi surface in KFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>determined via de Haasâ€“van Alphen oscillation measurements. Physical Review B, 2013, 87, .	1.1	49
107	Synthesis, Crystal Structure and Physical Properties of Ba₄Ti₁₂O₂₇. Key Engineering Materials, 2013, 566, 211-214.	0.4	3
108	Crossover from bad to good metal in BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

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109	Probing the anisotropic vortex lattice in the Fe-based superconductor KFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>using small-angle neutron scattering. Physical Review B, 2013, 88, .	1.1	8
110	Fermi-surface reconstruction involving two van Hove singularities across the antiferromagnetic transition in BaFe2As2. Solid State Communications, 2013, 157, 16-20.	0.9	6
111	Discovery of the Ca4Al2O6Fe2Pn2 â€œAl-42622(Pn)â€•and Ca3Al2O5Fe2Pn2 â€œAl-32522(Pn)â€•(Pn=As, P) superconductors. Physica C: Superconductivity and Its Applications, 2013, 484, 12-15.	0.6	6
112	Effect of Doping on the Magnetostructural Ordered Phase of Iron Arsenides: A Comparative Study of the Resistivity Anisotropy in Doped BaFe₂As₂ with Doping into Three Different Sites. Journal of the American Chemical Society, 2013, 135, 3158-3163.	6.6	43
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114	Effects of Zn substitution on the electronic structure of BaFe2As2revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2013, 87, .	1.1	10
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250	Three-dimensional nature of normal and superconducting states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaNi</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mtext>As</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> crystals with the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>ThCr</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mtext>Si</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review B, 2009, 79, .	1.1	32
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