

Shigeyuki Ishida

List of Publications by Year in descending order

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212478

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132
all docs

132
docs citations

132
times ranked

2734
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional spectral signature of Tc in a pure d-wave superconductor. Nature, 2022, 601, 562-567.	13.7	8
2	Evidence for Dirac nodal-line fermions in a phosphorous square-net superconductor. Physical Review B, 2022, 105, .	1.1	2
3	Cuprates phase diagram deduced from magnetic susceptibility: What is the $\tilde{\epsilon}^{\text{TM}}$ pseudogap line?. Solid State Communications, 2022, 348-349, 114689.	0.9	3
4	Direct observation of the electronic structure of the layered phosphide superconductor ZrP_2 . Physical Review B, 2022, 105, .		
5	Investigation of high-energy ultrasonication of $\text{RE}_2\text{BaCuO}_5$ (RE = Y, Gd) on the growth and superconducting properties of $\text{REBa}_2\text{Cu}_3\text{O}_{7-\delta}$ top-seeded melt textured bulks. Superconductor Science and Technology, 2022, 35, 074003.	1.8	1
6	High-pressure synthesis and superconductivity of the novel laves phase BaIr_2 . Intermetallics, 2022, 148, 107643.	1.8	5
7	Intrinsic defect structures of polycrystalline CaFe_4As_4 superconductors. Physical Chemistry Chemical Physics, 2021, 23, 19827-19833.	1.3	7
8	Calcium-free double-layered cuprate superconductors with critical temperature above 100 K. Communications Materials, 2021, 2, .	2.9	5
9	Elucidating the origin of planar defects that enhance critical current density in CaFe_4As_4 single crystals. Superconductor Science and Technology, 2021, 34, 034003.	1.8	10
10	Temperature Dependence of the Local Structure and Iron Magnetic Moment in the Self-Doped CaFe_4As_4 Iron-Based Superconductor. Journal of Physical Chemistry C, 2021, 125, 10810-10816.	1.5	5
11	Development of Superconducting Coils using (Ba, Na) Fe_2As_2 Round Wires with Large Critical Current. Journal of Physics: Conference Series, 2021, 1975, 012020.	0.3	0
12	Fabrication of small superconducting coils using (Ba,A) Fe_2As_2 (A: Na, K) round wires with large critical current densities. Superconductor Science and Technology, 2021, 34, 105008.	1.8	21
13	Superconductivity-driven ferromagnetism and spin manipulation using vortices in the magnetic superconductor $\text{EuRbFe}_4\text{As}_4$. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
14	Superconductivity of centrosymmetric and non-centrosymmetric phases in antiperovskite (Ca,Sr) Pd_3P . Journal of Alloys and Compounds, 2021, 882, 160733.	2.8	6
15	Antiperovskite Superconductor LaPd_3P with Noncentrosymmetric Cubic Structure. Inorganic Chemistry, 2021, 60, 18017-18023.	1.9	7
16	Hybridization of Bogoliubov Quasiparticles between Adjacent CuO Layers in the Triple-Layer Cuprate $\text{Bi}_2\text{Te}_2\text{O}_7$. Physical Review Letters, 2021, 127, 217004.	2.9	5
17	Superconducting gap and pseudogap in the surface states of the iron-based superconductor $\text{PrFeAsO}_{1-\delta}$ studied by angle-resolved photoemission spectroscopy. Physical Review Research, 2021, 3, .	1.3	1
18	Posttreatment Effects on the Crystal Structure and Superconductivity of Ca-Free Double-Layered Cuprate $\text{Sr}_2\text{SrCu}_2\text{O}_{4+\delta}\text{F}_{2-x}$. Chemistry of Materials, 2021, 33, 9690-9697.	3.2	1

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19	Experimental and Computational Determination of Optimal Boron Content in Layered Superconductor $\text{Sc}_{20}\text{C}_{8\epsilon}\text{B}_x\text{C}_{20}$. Inorganic Chemistry, 2020, 59, 14290-14295.	1.9	1
20	Structural Phase Transitions and Superconductivity Induced in Antiperovskite Phosphide CaPd_3P . Inorganic Chemistry, 2020, 59, 12397-12403.	1.9	10
21	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
22	Elastoresistance measurements on CaKFe_4 and KCa_2 mat. Physical Review B, 2020, 102, .	1.1	14
23	Fabrication of $(\text{Ba},\text{Na})\text{Fe}_2\text{As}_2$ round wires and tapes using HIP process. Journal of Physics: Conference Series, 2020, 1590, 012027.	0.3	1
24	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
25	Synthesis of $\text{CaKFe}_4\text{As}_4$ bulk samples with high critical current density using a spark plasma sintering technique. Superconductor Science and Technology, 2020, 33, 094005.	1.8	12
26	High-critical-current-ratio superconducting joint between $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ tapes fabricated by angle-polishing method. Superconductor Science and Technology, 2020, 33, 084011.	1.8	6
27	Enhancement of critical current density in $(\text{Ba},\text{Na})\text{Fe}_2\text{As}_2$ round wires using high-pressure sintering. Superconductor Science and Technology, 2020, 33, 065001.	1.8	20
28	Sn addition effects on $\text{CaKFe}_4\text{As}_4$ superconductors. Superconductor Science and Technology, 2020, 33, 104004.	1.8	3
29	Developments of $(\text{Ba},\text{Na})\text{Fe}_2\text{As}_2$ and $\text{CaKFe}_4\text{As}_4$ HIP round wires. Superconductor Science and Technology, 2020, 33, 104001.	1.8	14
30	In-plane and out-of-plane properties of a BaFe_2As_2 single crystal. Journal of Physics Condensed Matter, 2019, 31, 214003.	0.7	6
31	Coexisting spin resonance and long-range magnetic order of Eu in EuRbFe_4 Physical Review B, 2019, 100, .	1.1	14
32	Unique defect structure and advantageous vortex pinning properties in superconducting $\text{CaKFe}_4\text{As}_4$. Npj Quantum Materials, 2019, 4, .	1.8	43
33	Effects of Swift-Particle Irradiations on Critical Current Density in $\text{CaKFe}_4\text{As}_4$. Journal of Physics: Conference Series, 2019, 1293, 012013.	0.3	5
34	Effect of non-magnetic rare earth substitution for Zr on mixed anion $\text{Zr}(\text{P}, \text{Se})_2$ superconductors II. Journal of Physics: Conference Series, 2019, 1293, 012003.	0.3	1
35	Superconductivity in a Scandium Borocarbide with a Layered Crystal Structure. Inorganic Chemistry, 2019, 58, 15629-15636.	1.9	4
36	Highly c-axis orientated superconducting core and large critical current density in $\text{Ba}_{0.6}\text{Na}_{0.4}\text{Fe}_2\text{As}_2$ powder-in-tube tape. Scientific Reports, 2019, 9, 13064.	1.6	11

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37	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
38	Large and significantly anisotropic critical current density induced by planar defects in $\text{CaKFe}_4\text{As}_2$ single crystals. Physical Review B, 2019, 99, .	1.1	42
39	Anomalous peak effect in iron-based superconductors $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ ($x \approx 0.69$ 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
40	Resonant Cavity Modes in Bi_2O_8 Intrinsic Josephson Junction Sta. Physical Review Applied, 2019, 11, .	1.1	6
41	Superconductivity in Uncollapsed Tetragonal LaFe_2As_2 . Journal of Physical Chemistry Letters, 2019, 10, 1018-1023.	2.1	17
42	Unconventional Multi-gap Superconductivity and Antiferromagnetic Spin Fluctuations in New Iron-arsenide LaFe_2As_2 in Heavily Electron-doped Regime. Journal of the Physical Society of Japan, 2019, 88, 113702.	0.7	5
43	Superconductivity induced by Mg deficiency in noncentrosymmetric phosphide Mg_2Rh_3 . Physical Review B, 2019, 99, .	0.9	11
44	Direct observation of in-plane anisotropy of the superconducting critical current density in BaTl_6 . Physical Review B, 2019, 99, .	1.1	6
45	Superconductivity in a New 1144-Type Family of $(\text{La},\text{Na})\text{AFe}_4\text{As}_4$ ($A = \text{Rb}$ or Cs). Journal of Physical Chemistry Letters, 2018, 9, 868-873.	2.1	19
46	Superconductivity on Hole-Doping Side of $(\text{La}_{0.5}\text{Na}_{0.5})\text{Fe}_2\text{As}_2$. Journal of the American Chemical Society, 2018, 140, 369-374.	6.6	20
47	Rapid enhancement of nodal quasiparticle mass with heavily underdoping in Bi_2Tl_2 . Physica B: Condensed Matter, 2018, 536, 667-671.	1.3	1
48	Single Crystal growth of mixed anion $\text{Zr}(\text{P}, \text{Se})_2$ superconductor and related materials. Journal of Physics: Conference Series, 2018, 1054, 012003.	0.3	5
49	Effect of non-magnetic rare earth substitution for Zr on mixed anion $\text{Zr}(\text{P}, \text{Se})_2$ superconductors. Journal of Physics: Conference Series, 2018, 1054, 012002.	0.3	7
50	Probing the energy gap of high-temperature cuprate superconductors by resonant inelastic x-ray scattering. Npj Quantum Materials, 2018, 3, .	1.8	13
51	Superconductivity in a 122-type Fe-based compound $(\text{La},\text{Na},\text{K})\text{Fe}_2\text{As}_2$. Scientific Reports, 2018, 8, 16827.	1.6	3
52	Unusual thermoelectric properties of BaFe_2As_2 in high magnetic fields. Physical Review B, 2018, 98, .	1.1	6
53	Fe-Based Superconductors of $(\text{Ln}_{0.5}\text{Na}_{0.5+x})\text{Fe}_2\text{As}_2$ ($\text{Ln} = \text{Ce}, \text{Pr}$). Inorganic Chemistry, 2018, 57, 9223-9229.	1.9	4
54	Superconducting state in $(\text{Eu}_{1-x}\text{Ca}_x)\text{RbFe}_4\text{As}_4$ with 1144-type Structure. Journal of Physics: Conference Series, 2018, 969, 012027.	0.3	9

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55	Compact High- T_c Superconducting Terahertz emitter operating up to 86 K. Physical Review Applied, 2018, 10, .	1.5	18
56	Effects of post-growth heat treatment on electronic phase diagrams and critical current densities of $Ba(Fe_{1-x}Co_x)_2As_2$ and $BaFe_2(As_{1-x}Px)_2$ single crystals. Physical Review B, 2018, 98, .	1.1	2
57	Doping-dependent critical current properties in $BaFe_2As_2$ single crystals. Physical Review B, 2017, 95, .	1.1	54
58	Dispersive charge density wave excitations in $Bi_2Sr_2CaCu_2O_{8+\delta}$. Nature Physics, 2017, 13, 952-956.	6.5	101
59	Fabrication of iron-based superconducting tapes using $Ba_{1-x}K_xFe_2As_2$ with $x = 0.3$ and 0.4 . Superconductor Science and Technology, 2017, 30, 054001.	1.8	6
60	Unusual nodal behaviors of the superconducting gap in the iron-based superconductor $BaFe_2As_2$.	1.1	2
61	Electronic structures and spin states of $BaFe_2As_2$ and $SrFe_2As_2$ probed by x-ray emission spectroscopy at Fe and As K -absorption edges. Physical Review B, 2017, 96, .	1.1	9
62	Synthesis and Superconductivity of a Strontium Digermanide $SrGe_2As_2$ with $ThSi_2$ Structure. Inorganic Chemistry, 2017, 56, 8590-8595.	1.9	8
63	A New Landscape of Multiple Dispersion Kinks in a High- T_c Cuprate Superconductor. Scientific Reports, 2017, 7, 4830.	1.6	14
64	Development of Fe-based superconducting wires for liquid-hydrogen level sensors. Journal of Physics: Conference Series, 2017, 871, 012061.	0.3	1
65	Antiferroic electronic structure in the nonmagnetic superconducting state of the iron-based superconductors. Science Advances, 2017, 3, e1700466.	4.7	17
66	Electrical resistivity of $FeAs_2$ and Fe_2As_2 at homogeneous high pressures. Journal of Physics: Conference Series, 2017, 950, 042024.	0.3	6
67	Distinct doping dependence of critical temperature and critical current density in $Ba_{1-x}K_xFe_2As_2$ superconductor. Scientific Reports, 2016, 6, 26671.	1.6	27
68	Research Update: Structural and transport properties of $(Ca,Lu)FeAs_2$ single crystal. APL Materials, 2016, 4, .	2.2	4
69	Superconductivity in Fe-Based Compound $EuAF_4As_4$ ($A = Rb$ and Cs). Journal of the Physical Society of Japan, 2016, 85, 064710.	0.7	68
70	Single-Crystal Growth of $Ba_{1-x}K_xFe_2As_2$ by KAs Self-Flux Method. Journal of the Physical Society of Japan, 2016, 85, 034718.	0.7	20
71	Superconductivity in layered ZrP_2Se_3 with PbFCl-type structure. Superconductor Science and Technology, 2016, 29, 055004.	1.8	15
72	Absence of superconductivity in the collapsed tetragonal phase of KFe_2As_2 under hydrostatic pressure. Physical Review B, 2016, 94, .	1.1	12

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73	Superconductivity in LaBi_3 with AuCu_3 -type structure. Superconductor Science and Technology, 2016, 29, 03LT02.	1.8	22
74	New-Structure-Type Fe-Based Superconductors: $\text{Ca}_x\text{Fe}_4\text{As}_4$ ($x = 0.0$). Chemical Society, 2016, 138, 3410-3415.	6.6	228
75	Reversed anisotropy of the in-plane resistivity in the antiferromagnetic phase of iron tellurides. Physical Review B, 2015, 91, .	1.1	13
76	Electronic Raman scattering on out-of-plane disordered $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$: How the pseudogap affects the superconducting Raman response. Physical Review B, 2015, 91, .	1.1	3
77	In-plane electronic anisotropy in the antiferromagnetic orthorhombic phase of isovalent-substituted $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. Physical Review B, 2015, 92, .	1.1	7
78	Three-terminal stand-alone superconducting terahertz emitter. Applied Physics Letters, 2015, 107, .	1.5	21
79	Large enhancement of superconducting transition temperature of SrBi_3 induced by Na substitution for Sr. Scientific Reports, 2015, 5, 10089.	1.6	20
80	Synthesis, structure, and phase diagram of $(\text{Sr}_{1-x}\text{Na}_x)\text{Fe}_2\text{As}_2$ superconductors. Superconductor Science and Technology, 2015, 28, 062001.	1.8	17
81	Large critical current densities in a silver-sheathed $(\text{Sr},\text{Na})\text{Fe}_2\text{As}_2$ tape. Superconductor Science and Technology, 2015, 28, 105007.	1.8	10
82	Direct spectroscopic evidence for phase competition between the pseudogap and superconductivity in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Nature Materials, 2015, 14, 37-42.	13.3	92
83	Strong Electronic Correlations in Iron Pnictides: Comparison of Optical Spectra for BaFe_2As_2 -Related Compounds. Journal of the Physical Society of Japan, 2014, 83, 104703.	0.7	24
84	Evidence of a universal relation between electron-mode coupling and T_c in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ superconductor from laser angle-resolved photoemission spectroscopy. Physical Review B, 2014, 90, .	1.1	5
85	Two distinct superconducting states in KFe_2As_2 under high pressure. Physical Review B, 2014, 89, .	1.1	24
86	Synthesis and physical properties of $\text{Ca}_{1-x}\text{RE}_x\text{FeAs}_2$ with $\text{RE} = \text{La, Gd}$. Applied Physics Express, 2014, 7, 073102.	1.1	39
87	Superconductivity at 4.4 K in Ba_2Bi_3 . Superconductor Science and Technology, 2014, 27, 072001.	1.8	8
88	Crystal Structure and Superconductivity of Ba_2Ge_7 and $\text{Ba}_3\text{Ir}_4\text{Ge}_{16}$ with Two-Dimensional Ba-Ge Networks. Journal of the American Chemical Society, 2014, 136, 5245-5248.	6.6	14
89	Heavily hole-doped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ superconductor. Physical Review B, 2014, 90, .	1.1	41
90	New Intermetallic Ternary Phosphide Chalcogenide $\text{P}_2\text{As}_2\text{X}_2$ ($X = \text{Zr, Hf}$; $S = \text{S}$). Superconductor Science and Technology, 2014, 27, 074713.	0.7	16

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91	Normal-state charge dynamics in doped BaFe ₂ As ₂ : Roles of doping and necessary ingredients for superconductivity. Scientific Reports, 2014, 4, 5873.	1.6	48
92	Imbalance of Hole Density between Inner and Outer Planes and Superconducting Transition Temperature in Multilayered Cuprates. , 2014, , .		5
93	Doping dependence of low-energy quasiparticle excitations in superconducting Bi2212. Nanoscale Research Letters, 2013, 8, 515. Crossover from bad to good metal in BaFe \times \times	3.1	4

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109	Phase competition in trisected superconducting dome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18332-18337.	3.3	222
110	Superconducting gap in iron pnictides studied by optical spectroscopy. Journal of Physics and Chemistry of Solids, 2011, 72, 511-513.	1.9	3
111	Doping effect on the carrier scattering in iron-pnictide superconductors studied by charge transport. Journal of Physics and Chemistry of Solids, 2011, 72, 407-409.	1.9	1
112	Complete Fermi Surface in BaFe_2As_2 via Shubnikov-de Haas Oscillation Measurements on Detwinned Single Crystals. Physical Review Letters, 2011, 107, 176402.	2.9	83
113	Carrier charge transport in the magnetocrystallographically ordered phase of BaFe_2As_2 . Physical Review B, 2011, 84, 040501.	1.1	72
114	Unprecedented anisotropic metallic state in undoped iron arsenide BaFe_2As_2 revealed by optical spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12238-12242.	3.3	173
115	Optical response of FeAs-based compounds. Physica C: Superconductivity and Its Applications, 2010, 470, S326-S327.	0.6	4
116	Characteristic charge transport in oxygen-deficiency-controlled LnFeAsO ($\text{Ln} = \text{La}$ and Nd). Physica C: Superconductivity and Its Applications, 2010, 470, S324-S325.	0.6	0
117	Quasiparticle dynamics in overdoped $\text{Bi}_2\text{Pb}_{0.7}\text{Sr}_{1.9}\text{CaCu}_2\text{O}_{8+\delta}$: Coexistence of superconducting gap and pseudogap below T_c . Physical Review B, 2010, 82, .	1.1	14
118	Doping-Dependent Nodal Fermi Velocity of the High-Temperature Superconductor Sr_2O_8 Using High-Resolution Angle-Resol. Physical Review Letters, 2010, 104, 207002.	1.1	125
119	Possible hydrogen doping and enhancement of T_c ($=35\text{K}$) in a LaFeAsO -based superconductor. Applied Physics Letters, 2010, 96, 072514.	1.5	35
120	Evolution of the optical spectrum with doping in BaFe_2As_2 pnictide superconductors. Physical Review B, 2010, 81, 040501.	1.1	125
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127	Mechanism of the forward-angle(d,pn)reaction at intermediate energies. Physical Review C, 1998, 58, 2180-2191.	1.1	20
128	Measurement of the polarization transfer $DNN(0^\circ)$ for (p[n[downward right arrow]],n[downward right]) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	0.3	1
129	Synthesis PbFCl-Type Mixed Anion PX ($X=Hf, S, Se$) Superconductors Related with Topological Materials by High-Pressure Technique. Materials Science Forum, 0, 1016, 708-714.	0.3	0