

Yoshikazu Mizuguchi

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237
papers

8,147
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g-index

248
ext. papers

8,890
ext. citations

2.7
avg, IF

6.14
L-index

#	Paper	IF	Citations
237	Superconductivity at 27K in tetragonal FeSe under high pressure. <i>Applied Physics Letters</i> , 2008 , 93, 1525054	5.4	607
236	Pressure evolution of the low-temperature crystal structure and bonding of the superconductor FeSe (Tc=37 K). <i>Physical Review B</i> , 2009 , 80,	3.3	485
235	Anion height dependence of Tc for the Fe-based superconductor. <i>Superconductor Science and Technology</i> , 2010 , 23, 054013	3.1	379
234	Superconductivity in Novel BiS ₂ -Based Layered Superconductor LaO _{1-x} F _x BiS ₂ . <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 114725	1.5	344
233	BiS ₂ -based layered superconductor Bi ₄ O ₄ S ₃ . <i>Physical Review B</i> , 2012 , 86,	3.3	336
232	Review of Fe Chalcogenides as the Simplest Fe-Based Superconductor. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 102001	1.5	295
231	Substitution Effects on FeSe Superconductor. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 074712	1.5	280
230	Crystal structure of the new FeSe(1-x) superconductor. <i>Chemical Communications</i> , 2008 , 5607-9	5.8	256
229	Superconductivity in S-substituted FeTe. <i>Applied Physics Letters</i> , 2009 , 94, 012503	3.4	245
228	New Member of BiS ₂ -Based Superconductor NdO _{1-x} F _x BiS ₂ . <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 033708	1.5	222
227	Nanoscale phase separation in the iron chalcogenide superconductor K _{0.8} Fe _{1.6} Se ₂ as seen via scanning nanofocused x-ray diffraction. <i>Physical Review B</i> , 2011 , 84,	3.3	212
226	Transport properties of the new Fe-based superconductor K _x Fe ₂ Se ₂ (Tc=33 K). <i>Applied Physics Letters</i> , 2011 , 98, 042511	3.4	129
225	Pressure Study of BiS ₂ -Based Superconductors Bi ₄ O ₄ S ₃ and La(O,F)BiS ₂ . <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 103702	1.5	128
224	Precise Pressure Dependence of the Superconducting Transition Temperature of FeSe: Resistivity and ⁷⁷ Se-NMR Study. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 063704	1.5	126
223	Intrinsic phase separation in superconducting K _{0.8} Fe _{1.6} Se ₂ (Tc= 31.8 K) single crystals. <i>Superconductor Science and Technology</i> , 2011 , 24, 082002	3.1	117
222	Evolution of superconductivity in LaO _{1-x} F _x BiS ₂ prepared by high-pressure technique. <i>Europhysics Letters</i> , 2013 , 101, 17004	1.6	115
221	Fabrication of the Iron-Based Superconducting Wire Using Fe(Se,Te). <i>Applied Physics Express</i> , 2009 , 2, 083004	2.4	103

220	Structural phase transitions and superconductivity in Fe(1+delta)Se0.57Te0.43 at ambient and elevated pressures. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16944-52	16.4	96
219	Pressure-Induced Enhancement of Superconductivity and Structural Transition in BiS2-Layered LaO1-xFxBiS2. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 063704	1.5	93
218	In-plane chemical pressure essential for superconductivity in BiCh2-based (Ch: S, Se) layered structure. <i>Scientific Reports</i> , 2015 , 5, 14968	4.9	86
217	Evidence for Unconventional Superconductivity in Arsenic-Free Iron-Based Superconductor FeSe: A 77Se-NMR Study. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 113703	1.5	82
216	Review of superconductivity in BiS2-based layered materials. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 84, 34-48	3.9	80
215	Evidence of local structural inhomogeneity in FeSe1-xTex from extended x-ray absorption fine structure. <i>Physical Review B</i> , 2010 , 82,	3.3	80
214	Upper Critical Fields of the 11-System Iron-Chalcogenide Superconductor FeSe0.25Te0.75. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 113701	1.5	78
213	Local density of states and superconducting gap in the iron chalcogenide superconductor Fe1-xSe1-xTex observed by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2009 , 80,	3.3	74
212	Physics and chemistry of layered chalcogenide superconductors. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 054303	7.1	71
211	Crystal structure, lattice vibrations, and superconductivity of LaO1-xFxBiS2. <i>Physical Review B</i> , 2013 , 87,	3.3	66
210	Role of the Ce valence in the coexistence of superconductivity and ferromagnetism of CeO1-xFxBiS2 revealed by Ce L3-edge x-ray absorption spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3.3	63
209	FeTe as a candidate material for new iron-based superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 1027-1029	1.3	61
208	In-plane charge fluctuations in bismuth-sulfide superconductors. <i>Physical Review B</i> , 2015 , 91,	3.3	55
207	Evolution of superconductivity by oxygen annealing in FeTe 0.8 S 0.2. <i>Europhysics Letters</i> , 2010 , 90, 57002.6	2.6	55
206	s-wave pairing in the optimally doped LaO0.5F0.5BiS2 superconductor. <i>Physical Review B</i> , 2013 , 88,	3.3	52
205	Direct observation of nanoscale interface phase in the superconducting chalcogenide KxFe2-ySe2 with intrinsic phase separation. <i>Physical Review B</i> , 2015 , 91,	3.3	51
204	Coexistence of Bulk Superconductivity and Magnetism in CeO1-xFxBiS2. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 024709	1.5	49
203	Successive Phase Transitions under High Pressure in FeTe0.92. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 083709	1.5	49

202	Stabilization of High-Tc Phase of BiS ₂ -Based Superconductor LaO _{0.5} F _{0.5} BiS ₂ Using High-Pressure Synthesis. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 053704	1.5	48
201	Transport properties and microstructure of mono- and seven-core wires of FeSe _{1-x} Te _x superconductor produced by the Fe-diffusion powder-in-tube method. <i>Superconductor Science and Technology</i> , 2011 , 24, 105002	3.1	48
200	Material Development and Physical Properties of BiS ₂ -Based Layered Compounds. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 041001	1.5	46
199	Moisture-induced superconductivity in FeTe _{0.8} S _{0.2} . <i>Physical Review B</i> , 2010 , 81,	3.3	45
198	Evolution of Superconductivity in BiS ₂ -Based Superconductor LaO _{0.5} F _{0.5} Bi(S _{1-x} Se _x) ₂ . <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 024723	1.5	44
197	The effect of RE substitution in layered REO(0.5)F(0.5)BiS ₂ : chemical pressure, local disorder and superconductivity. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 22090-6	3.6	42
196	Correlation between crystal structure and superconductivity in LaO _{0.5} F _{0.5} BiS ₂ . <i>Solid State Communications</i> , 2014 , 181, 1-4	1.6	42
195	Enhancement of thermoelectric properties by Se substitution in layered bismuth-chalcogenide LaOBiS _{2-x} Se _x . <i>Journal of Applied Physics</i> , 2014 , 116, 163915	2.5	42
194	Alcoholic beverages induce superconductivity in FeTe _{1-x} S _x . <i>Superconductor Science and Technology</i> , 2011 , 24, 055008	3.1	42
193	Determination of local atomic displacements in CeO(1-x)F(x)BiS ₂ system. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 435701	1.8	41
192	Checkerboard Stripe Electronic State on Cleaved Surface of NdO _{0.7} F _{0.3} BiS ₂ Probed by Scanning Tunneling Microscopy. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 113701	1.5	38
191	A study of the electronic structure of FeSe(1-x)Te(x) chalcogenides by Fe and Se K-edge x-ray absorption near edge structure measurements. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 485702	1.8	38
190	Fabrication of binary FeSe superconducting wires by diffusion process. <i>Journal of Applied Physics</i> , 2012 , 111, 112620	2.5	37
189	Transport properties of single- and three-core FeSe wires fabricated by a novel chemical-transformation PIT process. <i>Superconductor Science and Technology</i> , 2011 , 24, 125003	3.1	37
188	High thermoelectric performance and low thermal conductivity of densified LaOBiSSe. <i>Applied Physics Express</i> , 2015 , 8, 111801	2.4	36
187	Superconductivity in REO _{0.5} F _{0.5} BiS ₂ with high-entropy-alloy-type blocking layers. <i>Applied Physics Express</i> , 2018 , 11, 053102	2.4	36
186	Superconductivity in oxygen-annealed FeTe _{1-x} S _x single crystal. <i>Journal of Applied Physics</i> , 2011 , 109, 013914	2.5	36
185	Electronic Structure of Superconducting FeSe Studied by High-Resolution Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 034708	1.5	34

184	Spectromicroscopy of electronic phase separation in $K_xFe_{2-y}Se_2$ superconductor. <i>Scientific Reports</i> , 2014 , 4, 5592	4.9	33
183	High-temperature thermoelectric properties of novel layered bismuth-sulfide $LaO_{1-x}F_xBiS_2$. <i>Journal of Applied Physics</i> , 2014 , 115, 083909	2.5	32
182	Pronounced $\ln T$ Divergence in Specific Heat of Nonmetallic $CeO_{1-x}F_xBiS_2$: A Mother Phase of BiS_2 -Based Superconductor. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 023702	1.5	31
181	Chemical Pressure Effect on Superconductivity of BiS_2 -Based $Ce_{1-x}Nd_xO_{1-y}F_yBiS_2$ and $Nd_{1-x}Sm_xO_{1-y}F_yBiS_2$. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 044712	1.5	31
180	Proximity to Fermi-surface topological change in superconducting $LaO_{0.54}F_{0.46}BiS_2$. <i>Physical Review B</i> , 2014 , 90,	3.3	31
179	Possible Superconducting Symmetry and Magnetic Correlations in $K_{0.8}Fe_2Se_2$: $A_{77}Se$ -NMR Study. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 043708	1.5	31
178	Mössbauer studies on FeSe and FeTe. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S338-S339	3.9	30
177	Structure, Superconductivity, and Magnetism of $Ce(O,F)BiS_2$ Single Crystals. <i>Crystal Growth and Design</i> , 2015 , 15, 39-44	3.5	29
176	Enhancement of T_c by Uniaxial Lattice Contraction in BiS_2 -Based Superconductor $PrO_{0.5}F_{0.5}BiS_2$. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 065002	1.5	29
175	Intrinsic Phase Diagram of Superconductivity in the $BiCh_2$ -Based System Without In-Plane Disorder. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 074701	1.5	28
174	Structures and optical absorption of Bi_2OS_2 and $LaOBiS_2$. <i>Solid State Communications</i> , 2016 , 227, 19-22	1.6	28
173	Bulk Superconductivity in $Bi_4O_4S_3$ Revealed by Specific Heat Measurement. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 125002	1.5	28
172	Electrodeposition as a new route to synthesize superconducting FeSe. <i>Solid State Communications</i> , 2013 , 154, 40-42	1.6	27
171	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in BiS_2 -Based $REO_{0.5}F_{0.5}BiS_2$ (RE = La, Ce, Pr, and Nd). <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 023704	1.5	26
170	Compositional and temperature evolution of crystal structure of new thermoelectric compound $LaOBiS_2-xSex$. <i>Journal of Applied Physics</i> , 2016 , 119, 155103	2.5	26
169	Thermoelectric properties of new Bi-chalcogenide layered compounds. <i>Cogent Physics</i> , 2016 , 3,	3.5	26
168	Electronic Origins of Large Thermoelectric Power Factor of $LaOBiS_2-xSex$. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 074702	1.5	25
167	SnAs-Based Layered Superconductor $NaSn_2As_2$. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 123701	1.5	25

166	Coexistence of different electronic phases in the $K0.8Fe1.6Se2$ superconductor: A bulk-sensitive hard x-ray spectroscopy study. <i>Physical Review B</i> , 2012 , 85,	3-3	25
165	Bulk Superconductivity Induced by In-Plane Chemical Pressure Effect in $Eu0.5La0.5FBiS2$. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 124708	1-5	25
164	Selenium isotope effect in the layered bismuth chalcogenide superconductor $LaO0.6F0.4Bi(S,Se)2$. <i>Physical Review B</i> , 2018 , 97,	3-3	24
163	Evolution of two-step structural phase transition in $Fe1+dTe$ detected by low-temperature x-ray diffraction. <i>Solid State Communications</i> , 2012 , 152, 1047-1051	1-6	24
162	Effect of rattling motion without cage structure on lattice thermal conductivity in $LaOBiS2$. <i>Applied Physics Letters</i> , 2018 , 112, 023903	3-4	23
161	Soft X-ray Photoemission Study of New $BiS2$ -Layered Superconductor $LaO1-xFxBiS2$. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 033703	1-5	23
160	Transport Properties of Iron-Based $FeTe_{0.5}Se_{0.5}$ Superconducting Wire. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 2858-2861	1-8	23
159	Effect of Te substitution on crystal structure and transport properties of $AgBiSe$ thermoelectric material. <i>Dalton Transactions</i> , 2018 , 47, 2575-2580	4-3	22
158	Coexistence of ferromagnetism and superconductivity in $CeO0.3F0.7BiS2$. <i>Physical Review B</i> , 2014 , 90,	3-3	22
157	Effect of high-pressure annealing on the normal-state transport of $LaO0.5F0.5BiS2$. <i>Physical Review B</i> , 2014 , 89,	3-3	22
156	Weak Superconducting Fluctuations and Small Anisotropy of the Upper Critical Fields in an $Fe1.05Te0.85Se0.15$ Single Crystal. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 074706	1-5	21
155	Crystal Structure, Electronic Structure, and Photocatalytic Activity of Oxysulfides: $La2Ta2ZrS2O8$, $La2Ta2TiS2O8$, and $La2Nb2TiS2O8$. <i>Inorganic Chemistry</i> , 2016 , 55, 3674-9	5-1	20
154	Electrochemical Synthesis of Iron-Based Superconductor $FeSe$ Films. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 043702	1-5	20
153	Synthesis, structure and photocatalytic activity of layered $LaOInS2$. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14270-14277	1-3	19
152	Substitution effects of Ag into $FeSe0.5Te0.5$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 484, 66-68	1-3	19
151	Large local disorder in superconducting $K(0.8)Fe(1.6)Se2$ studied by extended x-ray absorption fine structure. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 115701	1-8	19
150	Superconductivity in High-Entropy-Alloy Telluride $AgInSnPbBiTe5$. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 124708	1-5	19
149	Role of the local structure in superconductivity of $LaOFBiS$ Se system. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 145603	1-8	18

148	Improvement of superconducting properties by high mixing entropy at blocking layers in BiS ₂ -based superconductor REO _{0.5} F _{0.5} BiS ₂ . <i>Solid State Communications</i> , 2019 , 295, 43-49	1.6	18
147	NaSnP as a new member of van der Waals-type layered tin pnictide superconductors. <i>Scientific Reports</i> , 2018 , 8, 12852	4.9	18
146	Anisotropic upper critical field of the BiS ₂ -based superconductor LaO _{0.5} F _{0.5} BiS ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	17
145	Enhancement of superconducting properties in FeSe wires using a quenching technique. <i>Journal of Applied Physics</i> , 2012 , 111, 013912	2.5	17
144	High-Pressure Synthesis and Superconductivity of Ag-Doped Topological Crystalline Insulator SnTe (Sn _{1-x} Ag _x Te with x = 0.5). <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 053702	1.5	16
143	Synthesis of RE123 high-T _c superconductors with a high-entropy-alloy-type RE site. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 572, 1353623	1.3	16
142	Evolution of Eu valence and superconductivity in layered Eu _{0.5} La _{0.5} FBiS ₂ -Sex system. <i>Physical Review B</i> , 2017 , 95,	3.3	15
141	Crystal structure, site selectivity, and electronic structure of layered chalcogenide LaOBiPbS ₃ . <i>Europhysics Letters</i> , 2017 , 119, 26002	1.6	15
140	The Crystal Structure of Superconducting LaO _{1-x} F _x BiS ₂ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 1255-1259	1.5	15
139	Chemical pressure effect on T _c in BiS ₂ -based Ce _{1-x} Nd _x O _{0.5} F _{0.5} BiS ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 504, 33-35	1.3	15
138	Superconductivity in PbO-type Fe chalcogenides. <i>Zeitschrift für Kristallographie</i> , 2011 , 226,		15
137	Electrical and Thermal Transport of Layered Bismuth-Sulfide EuBiS ₂ F at Temperatures between 300 and 623 K. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 085003	1.5	14
136	Superconducting properties of high-entropy-alloy tellurides M-Te (M: Ag, In, Cd, Sn, Sb, Pb, Bi) with a NaCl-type structure. <i>Applied Physics Express</i> , 2020 , 13, 033001	2.4	14
135	Unidirectional Electronic Structure in the Parent State of Iron-Chalcogenide Superconductor Fe _{1+x} Te. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 074714	1.5	14
134	Evolution of Tetragonal Phase in the FeSe Wire Fabricated by a Novel Chemical-Transformation Powder-in-Tube Process. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 010101	1.4	14
133	Observing and Modeling the Sequential Pairwise Reactions that Drive Solid-State Ceramic Synthesis. <i>Advanced Materials</i> , 2021 , 33, e2100312	2.4	14
132	An efficient way of increasing the total entropy of mixing in high-entropy-alloy compounds: a case of NaCl-type (Ag,In,Pb,Bi)TeSe (x = 0.0, 0.25, 0.5) superconductors. <i>Dalton Transactions</i> , 2020 , 49, 9118-9122	4.2	13
131	Evidence for s-wave pairing with atomic scale disorder in the van der Waals superconductor NaSn ₂ As ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	13

130	Synthesis, Crystal Structure, and Physical Properties of New Layered Oxychalcogenide La ₂ O ₂ Bi ₃ AgS ₆ . <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 124802	1.5	13
129	Determination of the local structure in FeSe _{0.25} Te _{0.75} single crystal by polarized EXAFS. <i>Europhysics Letters</i> , 2010 , 90, 67008	1.6	13
128	Pressure effects on FeSe family superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S353-S355	1.3	13
127	Air-exposure effects of superconductivity in Fe(Te, S). <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S340-S341	1.3	13
126	Superconductivity in Layered Oxychalcogenide La ₂ O ₂ Bi ₃ AgS ₆ . <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 083704	1.5	12
125	Temperature dependence of iron local magnetic moment in phase-separated superconducting chalcogenide. <i>Physical Review B</i> , 2014 , 90,	3.3	12
124	Random alloy-like local structure of Fe(Se, S) _(1-x) Te _(x) superconductors revealed by extended x-ray absorption fine structure. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 425701	1.8	12
123	Synthesis, Crystal Structure, and Thermoelectric Properties of Layered Antimony Selenides REOSbSe ₂ (RE = La, Ce). <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 074703	1.5	11
122	Bulk Superconductivity Induced by Se Substitution in BiCh ₂ -Based Layered Compounds Eu _{0.5} Ce _{0.5} F _{1-x} BiS ₂ Se _x . <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 104712	1.5	11
121	Recent Advances in Layered Metal Chalcogenides as Superconductors and Thermoelectric Materials: Fe-Based and Bi-Based Chalcogenides. <i>Chemical Record</i> , 2016 , 16, 633-51	6.6	11
120	Low-Temperature Enhancement in the Upper Critical Field of Underdoped LaO _{1-x} F _x BiS ₂ (x = 0.10.3). <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 075004	1.5	10
119	Charge Fluctuations in the NdO _{1-x} F _x BiS ₂ Superconductors. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 124718	1.5	10
118	Correlation between T _c and Crystal Structure in S-Doped FeSe Superconductors under Pressure: Studied by X-ray Diffraction of FeSe _{0.8} S _{0.2} at Low Temperatures. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 024713	1.5	10
117	Single Crystal Growth and Structural Characterization of $\text{FeTe}_{1-x}\text{S}_x$. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 2866-2869	1.8	10
116	Electronic structure of FeSe _{1-x} Tex studied by Fe L _{2,3} -edge x-ray absorption spectroscopy. <i>Physical Review B</i> , 2011 , 83,	3.3	10
115	Suppression of structural instability in LaOBiS ₂ Se by Se substitution. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 455703	1.8	10
114	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric Ag(Bi,Sb)Se Solid Solution. <i>Inorganic Chemistry</i> , 2019 , 58, 7628-7633	5.1	9
113	Increase in T _c and Change of Crystal Structure by High-Pressure Annealing in BiS ₂ -Based Superconductor CeO _{0.3} F _{0.7} BiS ₂ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 1129-1133 ^{1.5}	1.5	9

112	Crystal Structure and Superconductivity of Tetragonal and Monoclinic CePr OBiS. <i>Inorganic Chemistry</i> , 2018 , 57, 5364-5370	5.1	9
111	Two-Fold-Symmetric Magnetoresistance in Single Crystals of Tetragonal BiCh ₂ -Based Superconductor LaO _{0.5} F _{0.5} BiSSe. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 033704	1.5	9
110	Microstructure and transport properties of FeTe _{0.5} Se _{0.5} superconducting wires fabricated by ex-situ Powder-in-tube process. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 1150-1153	1.3	9
109	Superconductivity in CuAl ₂ -type Co _{0.2} Ni _{0.1} Cu _{0.1} Rh _{0.3} Ir _{0.3} Zr ₂ with a high-entropy-alloy transition metal site. <i>Materials Research Letters</i> , 2021 , 9, 141-147	7.4	9
108	Structural Difference in Superconductive and Nonsuperconductive Bi-S Planes within Bi ₄ O ₄ Bi ₂ S ₄ Blocks. <i>Inorganic Chemistry</i> , 2015 , 54, 10462-7	5.1	8
107	Superconductivity in BiS ₂ -based Layered Compounds. <i>Physics Procedia</i> , 2014 , 58, 94-97		8
106	Local structure response of phase separation and iron-vacancy order in KxFe _{2-y} Se ₂ superconductor. <i>Physical Review B</i> , 2014 , 90,	3.3	8
105	Fabrication of FeTe _{0.4} Se _{0.6} superconducting tapes by a chemical-transformation PIT process. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 504, 77-80	1.3	8
104	Observation of an isosceles triangular electronic structure around the excess iron atoms in Fe _{1+x} Te. <i>Physical Review B</i> , 2013 , 87,	3.3	8
103	Superconductivity phase diagram of Se-substituted CeO _{0.5} F _{0.5} Bi(S _{1-x} Se _x) ₂ . <i>Journal of Physics: Conference Series</i> , 2016 , 683, 012001	0.3	8
102	Reaction Mechanism of FePS ₃ Electrodes in All-Solid-State Lithium Secondary Batteries Using Sulfide-Based Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A2948-A2954	3.9	8
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