

# Yoshikazu Mizuguchi

## 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.

237  
papers

8,147  
citations

42  
h-index

85  
g-index

248  
ext. papers

8,890  
ext. citations

2.7  
avg, IF

6.14  
L-index

#	Paper	IF	Citations
237	Extremely high upper critical field in BiCh-based (Ch: S and Se) layered superconductor LaOFBiS <sub>2</sub> Se (x = 0.22 and 0.69).. <i>Scientific Reports</i> , <b>2022</b> , 12, 288	4.9	3
236	Improvement of critical current density of BaCuO by increase in configurational entropy of mixing.. <i>Royal Society Open Science</i> , <b>2022</b> , 9, 211874	3.3	1
235	Estimation of the Grüneisen Parameter of High-Entropy Alloy-Type Functional Materials: The Cases of REO <sub>0.7</sub> F <sub>0.3</sub> BiS <sub>2</sub> and MTe. <i>Condensed Matter</i> , <b>2022</b> , 7, 34	1.8	
234	Robustness of superconductivity to external pressure in high-entropy-alloy-type metal telluride AgInSnPbBiTe.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7789	4.9	1
233	Out-of-Plane Sulfur Distortions in the Bi <sub>4</sub> O <sub>4</sub> S <sub>3</sub> Superconductor. <i>Condensed Matter</i> , <b>2021</b> , 6, 48	1.8	
232	Superconductivity in In-doped AgSnBiTe with possible band inversion. <i>Scientific Reports</i> , <b>2021</b> , 11, 228854.9	4.9	2
231	Bipolar doping and thermoelectric properties of Zintl arsenide Eu <sub>5</sub> In <sub>2</sub> As <sub>6</sub> . <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 26362-26370	1.3	0
230	Superconductivity in CuAl <sub>2</sub> -type Co <sub>0.2</sub> Ni <sub>0.1</sub> Cu <sub>0.1</sub> Rh <sub>0.3</sub> Ir <sub>0.3</sub> Zr <sub>2</sub> with a high-entropy-alloy transition metal site. <i>Materials Research Letters</i> , <b>2021</b> , 9, 141-147	7.4	9
229	Thermoelectric transport properties of the van der Waals-type layered rhombohedral SnAs-based compound, EuSn <sub>2</sub> As <sub>2</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, 035511	1.4	3
228	Axis-dependent carrier polarity in polycrystalline NaSn <sub>2</sub> As <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2021</b> , 118, 153903	3.4	2
227	Thermoelectric Properties of the As/P-Based Zintl Compounds EuIn <sub>2</sub> As <sub>2</sub> □ <sub>x</sub> P <sub>x</sub> (x = 0□) and SrSn <sub>2</sub> As <sub>2</sub> . <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 5155-5164	6.1	2
226	Formation Mechanism of ELIPS through Decomposition of Complexes. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 6964-6970	5.1	5
225	n-Type thermoelectric metal chalcogenide (Ag,Pb,Bi)(S,Se,Te) designed by multi-site-type high-entropy alloying. <i>Materials Research Letters</i> , <b>2021</b> , 9, 366-372	7.4	3
224	Observing and Modeling the Sequential Pairwise Reactions that Drive Solid-State Ceramic Synthesis. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100312	24	14
223	Phase transition, magnetic, and electronic properties of CeOInS <sub>2</sub> . <i>Journal of the Ceramic Society of Japan</i> , <b>2021</b> , 129, 249-253	1	1
222	High-pressure effects on superconducting properties and crystal structure of Bi-based layered superconductor LaOBiAgSnS. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1.8	1
221	Direct observation of an incommensurate charge density wave in the BiS <sub>2</sub> -based superconductor NdO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1

220	Investigation of lattice anharmonicity in thermoelectric LaOBiS <sub>2-x</sub> Se <sub>x</sub> through Grüneisen parameter. <i>Applied Physics Express</i> , <b>2021</b> , 14, 071002	2.4	5
219	Synthesis of new high-entropy alloy-type Nb <sub>3</sub> (Al, Sn, Ge, Ga, Si) superconductors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 868, 159233	5.7	4
218	Double Charge Polarity Switching in Sb-Doped SnSe with Switchable Substitution Sites. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008092	15.6	5
217	The crystal structure and electrical/thermal transport properties of Li <sub>1-x</sub> Sn <sub>2+x</sub> P <sub>2</sub> and its performance as a Li-ion battery anode material. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 7034-7041	13	5
216	Investigation of in-plane anisotropy of c-axis magnetoresistance for BiCh <sub>2</sub> -based layered superconductor NdO <sub>0.7</sub> F <sub>0.3</sub> BiS <sub>2</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, 020907	1.4	0
215	Possible pairing mechanism switching driven by structural symmetry breaking in BiS-based layered superconductors. <i>Scientific Reports</i> , <b>2021</b> , 11, 230	4.9	3
214	Investigation of Superconducting Properties and Possible Nematic Superconductivity in Self-Doped BiCh <sub>2</sub> -Based Superconductor CeOBiS <sub>1.7</sub> Se <sub>0.3</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2021</b> , 15, 2000546	2.5	0
213	Synthesis of high-entropy-alloy-type superconductors (Fe,Co,Ni,Rh,Ir)Zr <sub>2</sub> with tunable transition temperature. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 9499-9505	4.3	3
212	Crystal Structure and Thermoelectric Transport Properties of As-Doped Layered Pnictogen Oxyselenides NdOF <sub>1-x</sub> SbAsSe <sub>x</sub> . <i>Materials</i> , <b>2020</b> , 13,	3.5	1
211	Bulk Superconductivity Induced by Se Substitution in Self-Doped BiCh <sub>2</sub> -Based Compound CeOBiS <sub>2-x</sub> Se <sub>x</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2020</b> , 89, 064702	1.5	2
210	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> , <b>2020</b> , 49, 9118-9122	4.3	13
209	High-Pressure Synthesis and Superconducting Properties of NaCl-Type In <sub>1-x</sub> Pb <sub>x</sub> Te (x = 0.0-0.8). <i>Condensed Matter</i> , <b>2020</b> , 5, 14	1.8	6
208	Superconducting properties of high-entropy-alloy tellurides M <sub>2</sub> Te (M: Ag, In, Cd, Sn, Sb, Pb, Bi) with a NaCl-type structure. <i>Applied Physics Express</i> , <b>2020</b> , 13, 033001	2.4	14
207	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS Single Crystals. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 44	5	6
206	Superconductivity in La <sub>2</sub> O <sub>2</sub> M <sub>4</sub> S <sub>6</sub> -Type Bi-based Compounds: A Review on Element Substitution Effects. <i>Condensed Matter</i> , <b>2020</b> , 5, 27	1.8	3
205	Momentum Dependent Band Renormalization and Surface Aging Effect on a Zone Center Electron Pocket in NaSn <sub>2</sub> As <sub>2</sub> Revealed by Angle-Resolved Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , <b>2020</b> , 89, 114707	1.5	
204	Unconventional isotope effect on transition temperature in BiS <sub>2</sub> -based superconductor Bi <sub>4</sub> O <sub>4</sub> S <sub>3</sub> . <i>Applied Physics Express</i> , <b>2020</b> , 13, 093001	2.4	7
203	Two-fold symmetry of in-plane magnetoresistance anisotropy in the superconducting states of BiCh <sub>2</sub> -based LaO <sub>0.9</sub> F <sub>0.1</sub> BiSSe single crystal. <i>Journal of Physics Communications</i> , <b>2020</b> , 4, 095028	1.2	6

202	Improvement of superconducting properties by chemical pressure effect in Eu-doped La <sub>2</sub> -Eu O <sub>2</sub> Bi <sub>3</sub> Ag <sub>0.6</sub> Sn <sub>0.4</sub> S <sub>6</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2020</b> , 576, 1353731	1.3	2
201	Evolution of two bulk-superconducting phases in SrREFBiS (RE: La, Ce, Pr, Nd, Sm) by external hydrostatic pressure effect. <i>Scientific Reports</i> , <b>2020</b> , 10, 12880	4.9	2
200	Structural Phase Diagram of LaO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> : Suppression of the Structural Phase Transition by Partial F Substitutions. <i>Condensed Matter</i> , <b>2020</b> , 5, 81	1.8	5
199	Synthesis of RE123 high-T <sub>c</sub> superconductors with a high-entropy-alloy-type RE site. <i>Physica C: Superconductivity and Its Applications</i> , <b>2020</b> , 572, 1353623	1.3	16
198	Pressure-induced superconductivity in the layered pnictogen diselenide NdO <sub>0.8</sub> F <sub>0.2</sub> Sb <sub>1-x</sub> Bi <sub>x</sub> Se <sub>2</sub> (x=0.3 and 0.7). <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
197	Bulk superconductivity in a four-layer-type Bi-based compound LaOBiAgSnS <sub>2</sub> Se. <i>Scientific Reports</i> , <b>2019</b> , 9, 13346	4.9	5
196	Material Development and Physical Properties of BiS <sub>2</sub> -Based Layered Compounds. <i>Journal of the Physical Society of Japan</i> , <b>2019</b> , 88, 041001	1.5	46
195	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric Ag(Bi,Sb)Se Solid Solution. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 7628-7633	5.1	9
194	Enhanced thermoelectricity by controlled local structure in bismuth-chalcogenides. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 145105	2.5	5
193	Improvement of superconducting properties by high mixing entropy at blocking layers in BiS <sub>2</sub> -based superconductor REO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . <i>Solid State Communications</i> , <b>2019</b> , 295, 43-49	1.6	18
192	Two-Fold-Symmetric Magnetoresistance in Single Crystals of Tetragonal BiCh <sub>2</sub> -Based Superconductor LaO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2019</b> , 88, 033704	1.5	9
191	Enhanced superconductivity by Na doping in SnAs-based layered compound Na <sub>1+x</sub> Sn <sub>2-x</sub> As <sub>2</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, 083001	1.4	7
190	An electronic structure governed by the displacement of the indium site in In-S octahedra: LnOInS (Ln = La, Ce, and Pr). <i>Dalton Transactions</i> , <b>2019</b> , 48, 12272-12278	4.3	5
189	Effect of Indium doping on the superconductivity of layered oxychalcogenide La <sub>2</sub> O <sub>2</sub> Bi <sub>3</sub> Ag <sub>1-x</sub> In <sub>x</sub> S <sub>6</sub> . <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1293, 012001	0.3	
188	Temperature dependent local atomic displacements in NaSnAs system. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 425402	1.8	3
187	Effect of Bi Substitution on Thermoelectric Properties of SbSe <sub>2</sub> -based Layered Compounds NdO <sub>0.8</sub> F <sub>0.2</sub> Sb <sub>1-x</sub> Bi <sub>x</sub> Se <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2019</b> , 88, 024705	1.5	4
186	Superconductivity in High-Entropy-Alloy Telluride AgInSnPbBiTe <sub>5</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2019</b> , 88, 124708	1.5	19
185	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in BiS <sub>2</sub> -Based REO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> (RE = La, Ce, Pr, and Nd). <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 023704	1.5	26

184	Crystal Structure and Superconductivity of Tetragonal and Monoclinic CePr OBiS. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5364-5370	5.1	9
183	Effect of Te substitution on crystal structure and transport properties of AgBiSe thermoelectric material. <i>Dalton Transactions</i> , <b>2018</b> , 47, 2575-2580	4.3	22
182	Effect of rattling motion without cage structure on lattice thermal conductivity in LaOBiS <sub>2-x</sub> Sex. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 023903	3.4	23
181	Superconductivity in REO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> with high-entropy-alloy-type blocking layers. <i>Applied Physics Express</i> , <b>2018</b> , 11, 053102	2.4	36
180	Synthesis, crystal structure and optical absorption of NaInS <sub>2</sub> -Se. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 750, 409-413	5.7	5
179	Selenium isotope effect in the layered bismuth chalcogenide superconductor LaO <sub>0.6</sub> F <sub>0.4</sub> Bi(S,Se) <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	24
178	Probing unconventional pairing in LaO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> layered superconductor by point contact spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 118, 192-199	3.9	3
177	Evidence for s-wave pairing with atomic scale disorder in the van der Waals superconductor NaSn <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	13
176	Superconductivity in Layered Oxychalcogenide La <sub>2</sub> O <sub>2</sub> Bi <sub>3</sub> AgS <sub>6</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 083704	1.5	12
175	Synthesis, Crystal Structure, and Thermoelectric Properties of Layered Antimony Selenides REOSbSe <sub>2</sub> (RE = La, Ce). <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 074703	1.5	11
174	Suppression of structural instability in LaOBiS Se by Se substitution. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 455703	1.8	10
173	Superconductivity in La <sub>1-x</sub> Ce <sub>x</sub> OBiS <sub>2</sub> : Carrier doping by mixed valence of Ce ions. <i>Europhysics Letters</i> , <b>2018</b> , 122, 17004	1.6	7
172	Reaction Mechanism of FePS <sub>3</sub> Electrodes in All-Solid-State Lithium Secondary Batteries Using Sulfide-Based Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A2948-A2954	3.9	8
171	NaSnP as a new member of van der Waals-type layered tin pnictide superconductors. <i>Scientific Reports</i> , <b>2018</b> , 8, 12852	4.9	18
170	Evolution of Eu valence and superconductivity in layered Eu <sub>0.5</sub> La <sub>0.5</sub> FBiS <sub>2-x</sub> Sex system. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	15
169	Bi Substitution Effects on Superconductivity of Valence-Skip Superconductor AgSnSe <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2017</b> , 86, 054711	1.5	3
168	Synthesis, structure and photocatalytic activity of layered LaOInS <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14270-14277	13	19
167	Role of the local structure in superconductivity of LaOFBiS Se system. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 145603	1.8	18

166	Intrinsic Phase Diagram of Superconductivity in the BiCh <sub>2</sub> -Based System Without In-Plane Disorder. <i>Journal of the Physical Society of Japan</i> , <b>2017</b> , 86, 074701	1.5	28
165	Crystal structure, site selectivity, and electronic structure of layered chalcogenide LaOBiPbS <sub>3</sub> . <i>Europhysics Letters</i> , <b>2017</b> , 119, 26002	1.6	15
164	Synchrotron powder X-ray diffraction and structural analysis of Eu <sub>0.5</sub> La <sub>0.5</sub> FBiS <sub>2-x</sub> Se <sub>x</sub> . <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 871, 012007	0.3	4
163	FeTe <sub>0.6</sub> Se <sub>0.4</sub> bulk single crystals with high critical current densities under magnetic fields. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 871, 012064	0.3	0
162	Ce 4f electronic states of CeO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> studied by soft x-ray photoemission spectroscopy. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	5
161	Synthesis, Crystal Structure, and Physical Properties of New Layered Oxychalcogenide La <sub>2</sub> O <sub>2</sub> Bi <sub>3</sub> AgS <sub>6</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2017</b> , 86, 124802	1.5	13
160	SnAs-Based Layered Superconductor NaSn <sub>2</sub> As <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2017</b> , 86, 123701	1.5	25
159	Bulk Superconductivity Induced by Se Substitution in BiCh <sub>2</sub> -Based Layered Compounds Eu <sub>0.5</sub> Ce <sub>0.5</sub> FBiS <sub>2-x</sub> Se <sub>x</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2017</b> , 86, 104712	1.5	11
158	Charge Fluctuations in the NdO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> Superconductors. <i>Journal of the Physical Society of Japan</i> , <b>2017</b> , 86, 124718	1.5	10
157	Discovery of BiS <sub>2</sub> -Based Superconductor and Material Design Concept. <i>Condensed Matter</i> , <b>2017</b> , 2, 6	1.8	6
156	Electronic Origins of Large Thermoelectric Power Factor of LaOBiS <sub>2-x</sub> Se <sub>x</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 074702	1.5	25
155	Comparative ARPES studies of LaO <sub>x</sub> F <sub>1-x</sub> BiS <sub>2</sub> (x = 0.23 and 0.46). <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 683, 012002	0.3	3
154	Specific Heat and Electrical Transport Properties of Sn <sub>0.8</sub> Ag <sub>0.2</sub> Te Superconductor. <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 103701	1.5	2
153	Correction to Structure, Superconductivity, and Magnetism of Ce(O,F)BiS <sub>2</sub> Single Crystals. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 2459-2459	3.5	
152	Crystal Structure, Electronic Structure, and Photocatalytic Activity of Oxysulfides: La <sub>2</sub> Ta <sub>2</sub> ZrS <sub>2</sub> O <sub>8</sub> , La <sub>2</sub> Ta <sub>2</sub> TiS <sub>2</sub> O <sub>8</sub> , and La <sub>2</sub> Nb <sub>2</sub> TiS <sub>2</sub> O <sub>8</sub> . <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3674-9	5.1	20
151	Structures and optical absorption of Bi <sub>2</sub> OS <sub>2</sub> and LaOBiS <sub>2</sub> . <i>Solid State Communications</i> , <b>2016</b> , 227, 19-22	1.6	28
150	Discovery of new BiCh <sub>2</sub> -based layered superconductor Sr <sub>0.5</sub> La <sub>0.5</sub> FBiSe <sub>2</sub> and anomalous insulating states competing with superconductivity. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 070501	3.1	
149	Superconductivity phase diagram of Se-substituted CeO <sub>0.5</sub> F <sub>0.5</sub> Bi(S <sub>1-x</sub> Se <sub>x</sub> ) <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 683, 012001	0.3	8

148	Recent Advances in Layered Metal Chalcogenides as Superconductors and Thermoelectric Materials: Fe-Based and Bi-Based Chalcogenides. <i>Chemical Record</i> , <b>2016</b> , 16, 633-51	6.6	11
147	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS <sub>2</sub> Se <sub>x</sub> . <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 155103	2.5	26
146	Crystal structure instability of FeSe grains: Formation of non-superconducting phase at the grain surface. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 053101	1.4	7
145	Bulk Superconductivity Induced by In-Plane Chemical Pressure Effect in Eu <sub>0.5</sub> La <sub>0.5</sub> FBiS <sub>2</sub> Se <sub>x</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 124708	1.5	25
144	Thermoelectric properties of new Bi-chalcogenide layered compounds. <i>Cogent Physics</i> , <b>2016</b> , 3,	3.5	26
143	Bulk sensitive angle-resolved photoelectron spectroscopy on Nd(O,F)BiS <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 683, 012003	0.3	2
142	High-Pressure Synthesis and Superconductivity of Ag-Doped Topological Crystalline Insulator SnTe (Sn <sub>1-x</sub> Ag <sub>x</sub> Te with x = 00.5). <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 053702	1.5	16
141	Element Substitution Effect on Superconductivity in BiS <sub>2</sub> -Based NdO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 1149-1153	1.5	7
140	The Crystal Structure of Superconducting LaO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 1255-1259	1.5	15
139	Fabrication of $\text{K}_x\text{Fe}_2(\text{Se}_1\text{S}_z)_2$ Superconducting Tapes by a Chemical-Phase-Transformation PIT. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	1
138	Coexistence of Bulk Superconductivity and Magnetism in CeO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 024709	1.5	49
137	Increase in T <sub>c</sub> and Change of Crystal Structure by High-Pressure Annealing in BiS <sub>2</sub> -Based Superconductor CeO <sub>0.3</sub> F <sub>0.7</sub> BiS <sub>2</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 1129-1133 <sup>15</sup>	1.5	9
136	Pronounced $\ln T$ Divergence in Specific Heat of Nonmetallic CeOBiS <sub>2</sub> : A Mother Phase of BiS <sub>2</sub> -Based Superconductor. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 023702	1.5	31
135	Electrical and Thermal Transport of Layered Bismuth-Sulfide EuBiS <sub>2</sub> F at Temperatures between 300 and 623 K. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 085003	1.5	14
134	Evolution of Superconductivity in BiS <sub>2</sub> -Based Superconductor LaO <sub>0.5</sub> F <sub>0.5</sub> Bi(S <sub>1-x</sub> Se <sub>x</sub> ) <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 024723	1.5	44
133	The effect of RE substitution in layered REO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> : chemical pressure, local disorder and superconductivity. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 22090-6	3.6	42
132	High thermoelectric performance and low thermal conductivity of densified LaOBiS <sub>2</sub> Se. <i>Applied Physics Express</i> , <b>2015</b> , 8, 111801	2.4	36
131	Structural Difference in Superconductive and Nonsuperconductive Bi-S Planes within Bi <sub>4</sub> O <sub>4</sub> Bi <sub>2</sub> S <sub>4</sub> Blocks. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10462-7	5.1	8

130	Structure, Superconductivity, and Magnetism of Ce(O,F)BiS <sub>2</sub> Single Crystals. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 39-44	3.5	29
129	Review of superconductivity in BiS <sub>2</sub> -based layered materials. <i>Journal of Physics and Chemistry of Solids</i> , <b>2015</b> , 84, 34-48	3.9	80
128	Chemical Pressure Effect on Superconductivity of BiS <sub>2</sub> -Based Ce <sub>1-x</sub> NdxO <sub>1-y</sub> FyBiS <sub>2</sub> and Nd <sub>1-x</sub> SmzO <sub>1-y</sub> FyBiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 044712	1.5	31
127	In-plane charge fluctuations in bismuth-sulfide superconductors. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	55
126	In-plane chemical pressure essential for superconductivity in BiCh <sub>2</sub> -based (Ch: S, Se) layered structure. <i>Scientific Reports</i> , <b>2015</b> , 5, 14968	4.9	86
125	Anderson's impurity-model analysis on CeO <sub>1-x</sub> FxBiS <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 592, 012073	0.3	3
124	Correlation between T <sub>c</sub> and Crystal Structure in S-Doped FeSe Superconductors under Pressure: Studied by X-ray Diffraction of FeSe <sub>0.8</sub> S <sub>0.2</sub> at Low Temperatures. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 024713	1.5	10
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122	Correlation between crystal structure and superconductivity in LaO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . <i>Solid State Communications</i> , <b>2014</b> , 181, 1-4	1.6	42
121	X-ray absorption and photoemission spectroscopy of electronic phase separation in KxFe <sub>2-y</sub> Se <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	5
120	Detection of the flux dynamical regimes in Bi <sub>4</sub> O <sub>4</sub> S <sub>3</sub> by multiharmonic AC susceptibility. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 507, 47-54	1.3	2
119	Enhancement of T <sub>c</sub> by Uniaxial Lattice Contraction in BiS <sub>2</sub> -Based Superconductor PrO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 065002	1.5	29
118	Soft X-ray Photoemission Study of New BiS <sub>2</sub> -Layered Superconductor LaO <sub>1-x</sub> FxBiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 033703	1.5	23
117	Fabrication of $\text{FeTe}_{0.5}\text{Se}_{0.5}$ Superconducting Wires and Tapes by a Chemical-Transformation PIT Process. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2014</b> , 24, 1-4	1.8	7
116	Low-Temperature Enhancement in the Upper Critical Field of Underdoped LaO <sub>1-x</sub> FxBiS <sub>2</sub> (x = 0.10.3). <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 075004	1.5	10
115	Stabilization of High-T <sub>c</sub> Phase of BiS <sub>2</sub> -Based Superconductor LaO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> Using High-Pressure Synthesis. <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 053704	1.5	48
114	Chemical pressure effect on T <sub>c</sub> in BiS <sub>2</sub> -based Ce <sub>1-x</sub> NdxO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 33-35	1.3	15
113	Anisotropic upper critical field of the BiS <sub>2</sub> -based superconductor LaO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	17



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111	Discovery of New Layered Phosphide-Chalcogenide Superconductors. <i>JPSJ News and Comments</i> , <b>2014</b> , 11, 09	0.1	1
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109	Superconductivity in Layered Chalcogenides <b>2014</b> , 1-13		
108	Superconductivity in BiS <sub>2</sub> -based Layered Compounds. <i>Physics Procedia</i> , <b>2014</b> , 58, 94-97		8
107	Spectromicroscopy of electronic phase separation in K <sub>x</sub> Fe <sub>2-y</sub> Se <sub>2</sub> superconductor. <i>Scientific Reports</i> , <b>2014</b> , 4, 5592	4.9	33
106	Pressure-Induced Enhancement of Superconductivity and Structural Transition in BiS <sub>2</sub> -Layered LaO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 063704	1.5	93
105	Temperature dependence of iron local magnetic moment in phase-separated superconducting chalcogenide. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	12
104	Coexistence of ferromagnetism and superconductivity in CeO <sub>0.3</sub> F <sub>0.7</sub> BiS <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	22
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100	Determination of local atomic displacements in CeO <sub>(1-x)</sub> F <sub>(x)</sub> BiS <sub>2</sub> system. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 435701	1.8	41
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96	Fabrication of FeTe <sub>0.4</sub> Se <sub>0.6</sub> superconducting tapes by a chemical-transformation PIT process. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 77-80	1.3	8
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92	Effect of excess Fe on magnetic properties and crystallographic phases in Fe <sub>1+x</sub> Te. <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 484, 19-21	1.3	7
91	Fermiological interpretation of FeTe 1-xSe x thin crystal by quantum conductance oscillation. <i>Europhysics Letters</i> , <b>2013</b> , 104, 37010	1.6	4
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88	New Member of BiS <sub>2</sub> -Based Superconductor NdO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 033708	1.5	222
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58	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> , <b>2012</b> , 51, 010101	1.4	14
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16	Successive Phase Transitions under High Pressure in FeTe <sub>0.92</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 083709	1.5	49
15	Electronic Structure of Superconducting FeSe Studied by High-Resolution Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 034708	1.5	34
14	Growth of superconducting single-crystalline (Lu, Ca) Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> whiskers. <i>Physica C: Superconductivity and Its Applications</i> , <b>2009</b> , 469, 965-966	1.3	2
13	FeTe as a candidate material for new iron-based superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2009</b> , 469, 1027-1029	1.3	61
12	Structural phase transitions and superconductivity in Fe(1+δ)Se <sub>0.57</sub> Te <sub>0.43</sub> at ambient and elevated pressures. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16944-52	16.4	96
11	Substitution Effects on FeSe Superconductor. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 074712	1.5	280
10	Superconductivity in S-substituted FeTe. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 012503	3.4	245
9	Pressure evolution of the low-temperature crystal structure and bonding of the superconductor FeSe (T <sub>c</sub> =37 K). <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	485
8	Upper Critical Fields of the 11-System Iron-Chalcogenide Superconductor FeSe <sub>0.25</sub> Te <sub>0.75</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 113701	1.5	78
7	Precise Pressure Dependence of the Superconducting Transition Temperature of FeSe: Resistivity and <sup>77</sup> Se-NMR Study. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 063704	1.5	126
6	Fabrication of Iron-based Superconducting Wire. <i>Materia Japan</i> , <b>2009</b> , 48, 520-521	0.1	6
5	Superconductivity at 27K in tetragonal FeSe under high pressure. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 152505	1.3	607

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3	Correlation and disorder effects for the electronic transport in the low-dimensional system $\text{Na}_x\text{Ca}_{1-x}\text{V}_2\text{O}_5$ and $\text{Na}_x\text{V}_2\text{O}_5$ . <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 445207	1.8	5
2	Crystal structure of the new FeSe(1-x) superconductor. <i>Chemical Communications</i> , <b>2008</b> , 5607-9	5.8	256
1	Superconductivity in HEA-Type Compounds		4