

Akira Miura

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168 papers	2,563 citations	26 h-index	42 g-index
183 ext. papers	3,179 ext. citations	4.7 avg, IF	5.49 L-index

#	Paper	IF	Citations
168	Redox reactions of small organic molecules using ball milling and piezoelectric materials. <i>Science</i> , 2019 , 366, 1500-1504	33.3	153
167	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. <i>Nature Reviews Chemistry</i> , 2019 , 3, 189-198	34.6	138
166	In-plane chemical pressure essential for superconductivity in BiCh ₂ -based (Ch: S, Se) layered structure. <i>Scientific Reports</i> , 2015 , 5, 14968	4.9	86
165	Structural Analysis and Superconducting Properties of F-Substituted NdOBiS ₂ Single Crystals. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 113701	1.5	83
164	Synthesis of Intermetallic PtZn Nanoparticles by Reaction of Pt Nanoparticles with Zn Vapor and Their Application as Fuel Cell Catalysts. <i>Chemistry of Materials</i> , 2009 , 21, 2661-2667	9.6	82
163	Growth and superconducting properties of F-substituted ROBiS ₂ (R=La, Ce, Nd) single crystals. <i>Solid State Communications</i> , 2014 , 178, 33-36	1.6	73
162	Instantaneous preparation of high lithium-ion conducting sulfide solid electrolyte Li ₇ P ₃ S ₁₁ by a liquid phase process. <i>RSC Advances</i> , 2017 , 7, 46499-46504	3.7	58
161	Liquid-phase synthesis of Li ₆ PS ₅ Br using ultrasonication and application to cathode composite electrodes in all-solid-state batteries. <i>Ceramics International</i> , 2018 , 44, 742-746	5.1	55
160	Single-crystalline porous NiO nanosheets prepared from ENi(OH) ₂ nanosheets: Magnetic property and photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 741-747	21.8	55
159	Crystal structures of LaO _{1-x} F _x BiS ₂ (x~0.23, 0.46): Effect of F doping on distortion of BiS plane. <i>Journal of Solid State Chemistry</i> , 2014 , 212, 213-217	3.3	55
158	Effect of Sintering Additives on Relative Density and Li-ion Conductivity of Nb-Doped Li ₇ La ₃ ZrO ₁₂ Solid Electrolyte. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 276-285	3.8	51
157	Preparation of Li ₇ La ₃ (Zr ₂ Nb) _x O ₁₂ (x= 0~1.5) and Li ₃ BO ₃ /LiBO ₂ composites at low temperatures using a sol-gel process. <i>Solid State Ionics</i> , 2016 , 285, 6-12	3.3	50
156	Superconducting double perovskite bismuth oxide prepared by a low-temperature hydrothermal reaction. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3599-603	16.4	48
155	Oxygen vacancy-originated highly active electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15102-15109	13	45
154	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7963-7	16.4	42
153	Effect of the binder content on the electrochemical performance of composite cathode using Li ₆ PS ₅ Cl precursor solution in an all-solid-state lithium battery. <i>Ionics</i> , 2017 , 23, 1619-1624	2.7	41
152	Electrochemical performance of a garnet solid electrolyte based lithium metal battery with interface modification. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21018-21028	13	41

151	Composite cathode prepared by argyrodite precursor solution assisted by dispersant agents for bulk-type all-solid-state batteries. <i>Journal of Power Sources</i> , 2018 , 396, 33-40	8.9	38
150	Structural and Electrochemical Evaluation of Three- and Two-Dimensional Organohalide Perovskites and Their Influence on the Reversibility of Lithium Intercalation. <i>Inorganic Chemistry</i> , 2018 , 57, 4181-4188	5.1	36
149	Acid-, base-, and heat-induced degradation behavior of Chinese sepiolite. <i>Ceramics International</i> , 2012 , 38, 4677-4684	5.1	36
148	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. <i>Chemistry of Materials</i> , 2016 , 28, 459-465	9.6	33
147	Preparation of sulfide solid electrolytes in the Li ₂ S-P ₂ S ₅ system by a liquid phase process. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 501-508	6.8	32
146	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
145	Preparation of lithium ion conductive Li ₆ PS ₅ Cl solid electrolyte from solution for the fabrication of composite cathode of all-solid-state lithium battery. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 89, 303-309	2.3	29
144	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
143	Structures and optical absorption of Bi ₂ OS ₂ and LaOBiS ₂ . <i>Solid State Communications</i> , 2016 , 227, 19-22	1.6	28
142	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
141	Optimization of Al ₂ O ₃ and Li ₃ BO ₃ Content as Sintering Additives of Li ₇ La _{2.95} Ca _{0.05} ZrTaO ₁₂ at Low Temperature. <i>Journal of Electronic Materials</i> , 2017 , 46, 497-501	1.9	26
140	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS ₂ -Sex. <i>Journal of Applied Physics</i> , 2016 , 119, 155103	2.5	26
139	FePS ₃ electrodes in all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. <i>Electrochimica Acta</i> , 2017 , 241, 370-374	6.7	25
138	Synthesis of Cu ₃ N from CuO and NaNH ₂ Peer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society. View all notes. <i>Journal of Asian Ceramic Societies</i> , 2014 , 2, 326-328	2.4	25
137	Electrochemical performance of bulk-type all-solid-state batteries using small-sized Li ₇ P ₃ S ₁₁ solid electrolyte prepared by liquid phase as the ionic conductor in the composite cathode. <i>Electrochimica Acta</i> , 2019 , 296, 473-480	6.7	25
136	Synthesis of Wurtzite-Type InN Crystals by Low-Temperature Nitridation of LiInO ₂ Using NaNH ₂ Flux. <i>Crystal Growth and Design</i> , 2012 , 12, 4545-4547	3.5	24
135	Hydrothermal synthesis of a new Bi-based (Ba _{0.82} K _{0.18})(Bi _{0.53} Pb _{0.47})O ₃ superconductor. <i>Journal of Alloys and Compounds</i> , 2015 , 634, 208-214	5.7	23
134	Synthesis of Pt-Mo-N Thin Film and Catalytic Activity for Fuel Cells. <i>Chemistry of Materials</i> , 2010 , 22, 3451-3456	9.6	23

133	Superconductivity in CeOBiS ₂ with cerium valence fluctuation. <i>Solid State Communications</i> , 2016 , 245, 11-14	1.6	23
132	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
131	Low-temperature nitridation of manganese and iron oxides using NaNH ₂ molten salt. <i>Inorganic Chemistry</i> , 2013 , 52, 11787-91	5.1	21
130	C-axis electrical resistivity of PrO _{1-x} FaBiS ₂ single crystals. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 083101	1.4	20
129	Deposition and Analysis of Al-Rich c-Al _x Ti _{1-x} N Coating with Preferred Orientation. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 343-353	3.8	20
128	Synthesis, structure and photocatalytic activity of layered LaOInS ₂ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14270-14277	13	19
127	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
126	NaSnP as a new member of van der Waals-type layered tin pnictide superconductors. <i>Scientific Reports</i> , 2018 , 8, 12852	4.9	18
125	Hydrothermal Synthesis, Structure, and Superconductivity of Simple Cubic Perovskite (BaK)(BiMg)O with T _c ~ 30 K. <i>Inorganic Chemistry</i> , 2017 , 56, 3174-3181	5.1	16
124	Hydrothermal synthesis and crystal structure analysis of two new cadmium bismuthates, CdBi ₂ O ₆ and Cd _{0.37} Bi _{0.63} O _{1.79} Peer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society. View all notes. <i>Journal of Asian Ceramic Societies</i> , 2015 , 3, 251-254	2.4	16
123	Silver delafossite nitride, AgTaN ₂ ?. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 7-11	3.3	16
122	Growth and characterization of millimeter-sized GaN crystals by carbothermal reduction and nitridation of Ga ₂ O ₃ . <i>Journal of Crystal Growth</i> , 2007 , 299, 22-27	1.6	16
121	Crystal structure, site selectivity, and electronic structure of layered chalcogenide LaOBiPbS ₃ . <i>Europhysics Letters</i> , 2017 , 119, 26002	1.6	15
120	Preparation and photocatalytic properties of new calcium and lead bismuthates. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 509-512	1	15
119	Vapor-phase growth of high-quality GaN single crystals in crucible by carbothermal reduction and nitridation of Ga ₂ O ₃ . <i>Journal of Crystal Growth</i> , 2008 , 310, 530-535	1.6	15
118	Crystal structures of a pentavalent bismuthate, SrBi ₂ O ₆ and a lead bismuth oxide (Pb _{1/3} Bi _{2/3})O _{1.4} Peer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society. View all notes. <i>Journal of Asian Ceramic Societies</i> , 2014 , 2, 150-153	2.4	14
117	Preparation of porous material from waste bottle glass by hydrothermal treatment. <i>Ceramics International</i> , 2012 , 38, 2153-2157	5.1	14
116	Vitreous phase coating on glaserite-type alkaline earth silicate blue phosphor BaCa ₂ MgSi ₂ O ₈ :Eu ²⁺ . <i>Journal of Alloys and Compounds</i> , 2011 , 509, 8738-8741	5.7	14

115	Non-stoichiometric Fe _x WN ₂ : Leaching of Fe from layer-structured FeWN ₂ . <i>Journal of Solid State Chemistry</i> , 2010 , 183, 327-331	3.3	14
114	Observing and Modeling the Sequential Pairwise Reactions that Drive Solid-State Ceramic Synthesis. <i>Advanced Materials</i> , 2021 , 33, e2100312	24	14
113	Alkaline earth metal doped tin oxide as a novel oxygen storage material. <i>Materials Research Bulletin</i> , 2015 , 69, 116-119	5.1	13
112	Two-Dimensional Hybrid Halide Perovskite as Electrode Materials for All-Solid-State Lithium Secondary Batteries Based on Sulfide Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6569-6578	6.1	13
111	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
110	Formation Mechanism of Thiophosphate Anions in the Liquid-Phase Synthesis of Sulfide Solid Electrolytes Using Polar Aprotic Solvents. <i>Chemistry of Materials</i> , 2020 , 32, 9627-9632	9.6	12
109	Significant Reduction in the Interfacial Resistance of Garnet-Type Solid Electrolyte and Lithium Metal by a Thick Amorphous Lithium Silicate Layer. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5533-5541	6.1	12
108	Self-Combustion Synthesis of Novel Metastable Ternary Molybdenum Nitrides 2019 , 1, 64-70		11
107	Octahedral and trigonal-prismatic coordination preferences in Nb-, Mo-, Ta-, and W-based ABX ₂ layered oxides, oxynitrides, and nitrides. <i>Journal of Solid State Chemistry</i> , 2015 , 229, 272-277	3.3	11
106	Development of All-solid-state Lithium Secondary Batteries Using NiPS ₃ Electrode and Li ₂ S-P ₂ S ₅ Solid Electrolyte. <i>Chemistry Letters</i> , 2016 , 45, 652-654	1.7	11
105	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
104	Anodic hybridization of fluorinated layered perovskite nanosheet with polyaniline for electrochemical capacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 459, 186-193	5.1	11
103	Low-temperature synthesis and rational design of nitrides and oxynitrides for novel functional material development. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 552-558	1	11
102	Effect of dispersion of sepiolite in sepiolite-NBR composite on the tensile strength. <i>Composites Part B: Engineering</i> , 2013 , 44, 260-265	10	11
101	Synthesis of sulfide solid electrolytes from Li ₂ S and P ₂ S ₅ in anisole. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 400-405	13	11
100	Explosive Reaction for Barium Niobium Perovskite Oxynitride. <i>Inorganic Chemistry</i> , 2018 , 57, 24-27	5.1	11
99	Study on the Effect of Pt Intercalation into Layered Niobate Perovskite for Photocatalytic Behavior. <i>Langmuir</i> , 2015 , 31, 7660-5	4	10
98	Selective metathesis synthesis of MgCr ₂ S ₄ by control of thermodynamic driving forces. <i>Materials Horizons</i> , 2020 , 7, 1310-1316	14.4	10

97	Synthesis of rutile-type solid solution $\text{Ni}_{1-x}\text{Co}_x\text{Ti}(\text{Nb}_{1-y}\text{Ta}_y)_2\text{O}_8$ ($0 \leq x \leq 1$, $0 \leq y \leq 1$) and its optical property. <i>Journal of Asian Ceramic Societies</i> , 2017 , 5, 284-289	2.4	10
96	Vapor phase growth of GaN crystals with different morphologies and orientations on graphite and sapphire substrates. <i>Materials Research Bulletin</i> , 2006 , 41, 1775-1782	5.1	10
95	Kinetically Stabilized Cation Arrangement in Li YCl Superionic Conductor during Solid-State Reaction. <i>Advanced Science</i> , 2021 , 8, e2101413	13.6	10
94	A layered wide-gap oxyhalide semiconductor with an infinite ZnO square planar sheet: SrZnOCl . <i>Chemical Communications</i> , 2017 , 53, 3826-3829	5.8	9
93	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric $\text{Ag}(\text{Bi},\text{Sb})\text{Se}$ Solid Solution. <i>Inorganic Chemistry</i> , 2019 , 58, 7628-7633	5.1	9
92	Crystal Structure and Superconductivity of Tetragonal and Monoclinic CePr OBiS. <i>Inorganic Chemistry</i> , 2018 , 57, 5364-5370	5.1	9
91	Mg-Al layered double hydroxide as an electrolyte membrane for aqueous ammonia fuel cell. <i>Materials Research Bulletin</i> , 2019 , 119, 110561	5.1	9
90	Bonding preference of carbon, nitrogen, and oxygen in niobium-based rock-salt structures. <i>Inorganic Chemistry</i> , 2013 , 52, 9699-701	5.1	9
89	Phase change and electrical resistivity of ZnMnNiO -based NTC thermistors produced using IZC powder recycled from used dry batteries. <i>Ceramics International</i> , 2008 , 34, 853-857	5.1	9
88	Structural Difference in Superconductive and Nonsuperconductive Bi-S Planes within $\text{Bi}_4\text{O}_4\text{Bi}_2\text{S}_4$ Blocks. <i>Inorganic Chemistry</i> , 2015 , 54, 10462-7	5.1	8
87	Discovery of the Pt-Based Superconductor LaPt_5As . <i>Journal of the American Chemical Society</i> , 2016 , 138, 9927-34	16.4	8
86	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
85	Enhanced superconductivity by Na doping in SnAs -based layered compound $\text{Na}_{1+x}\text{Sn}_2\text{As}_2$. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 083001	1.4	7
84	Soft-chemical synthesis and catalytic activity of Ni-Al and Co-Al layered double hydroxides (LDHs) intercalated with anions with different charge densityPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2014 , 2, 269-286	2.4	7
83	Crystal structures and ferromagnetism of Fe_xWN_2 ($x \sim 0.74, 0.90$) with defective iron triangular lattice. <i>Journal of Alloys and Compounds</i> , 2014 , 593, 154-157	5.7	7
82	Low temperature synthesis of ATiO_3 (A: Mg, Ca, Sr, Ba) by using molten salt. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 74-79	1	7
81	Synthesis and Characterization of Ge-Doped GaN Crystalline Powders Deposited on Graphite and Silica Glass Substrates. <i>Crystal Growth and Design</i> , 2007 , 7, 1251-1255	3.5	7
80	Synthesis and ionic conductivity of a high-entropy layered hydroxide. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 336-339	1	7

79	Organic-Inorganic Hybrid Materials for Interface Design in All-Solid-State Batteries with a Garnet-Type Solid Electrolyte. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11260-11268	6.1	7
78	Valence of praseodymium in superconducting Pr(O,F)BiS ₂ single crystals. <i>Applied Physics Express</i> , 2016 , 9, 063101	2.4	7
77	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2016 , 128, 8095-8099	3.6	7
76	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS Single Crystals. <i>Frontiers in Chemistry</i> , 2020 , 8, 44	5	6
75	High-Pressure Polymorph of NaBiO ₃ . <i>Inorganic Chemistry</i> , 2016 , 55, 5747-9	5.1	6
74	Conversion of calcium sulfite waste to hydroxyapatite. <i>Powder Technology</i> , 2013 , 237, 400-405	5.2	6
73	Calculation of the electronic structure of delafossite AgTaN ₂ from first principles. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 663-666	1	6
72	Two-fold symmetry of in-plane magnetoresistance anisotropy in the superconducting states of BiCh ₂ -based LaO _{0.9} F _{0.1} BiS ₂ single crystal. <i>Journal of Physics Communications</i> , 2020 , 4, 095028	1.2	6
71	Synthesis, crystal structure and optical absorption of NaInS ₂ -Se. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 409-413	5.7	5
70	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> , 2019 , 48, 12272-12278	4.3	5
69	Soft-chemical treatment of transition-metal-containing layered double hydroxides and their application in porous materials. <i>Journal of Porous Materials</i> , 2013 , 20, 777-783	2.4	5
68	Hydrothermal synthesis and crystal structure of a new lithium copper bismuth oxide, LiCuBiO ₄ . <i>Journal of Solid State Chemistry</i> , 2017 , 245, 30-33	3.3	5
67	Thermal stability and cutting performance of Al-rich cubic Al _x Ti _{1-x} N coating prepared by low-pressure chemical vapour deposition. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 913-918	1	5
66	Preparation and phase transformation of Ag or Bi ion-exchanged layered niobate perovskite and their photocatalytic properties. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 690-694	1	5
65	Synthesis and characterization of Zn-doped GaN crystals by simultaneous carbothermal reduction and nitridation of Ga ₂ O ₃ and ZnO. <i>Journal of Crystal Growth</i> , 2010 , 312, 452-456	1.6	5
64	Fe-Bi electrodes for all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. <i>Journal of Power Sources</i> , 2020 , 449, 227576	8.9	5
63	Structural Phase Diagram of LaO _{1-x} F _x BiS ₂ : Suppression of the Structural Phase Transition by Partial F Substitutions. <i>Condensed Matter</i> , 2020 , 5, 81	1.8	5
62	Formation Mechanism of ELiPS through Decomposition of Complexes. <i>Inorganic Chemistry</i> , 2021 , 60, 6964-6970	5.1	5

61	The crystal structure and electrical/thermal transport properties of $\text{Li}_{1-x}\text{Sn}_{2+x}\text{P}_2$ and its performance as a Li-ion battery anode material. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7034-7041	13	5
60	Synthesis of submicron-sized NiPS_3 particles and electrochemical properties as active materials in all-solid-state lithium batteries. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 568-572	1	5
59	Development of Alkaline Fuel Cells Using Hydroxide-Ion Conductive Layered Double Hydroxides. <i>ECS Transactions</i> , 2015 , 69, 385-389	1	4
58	Growth and Characterization of ROBiS High-Entropy Superconducting Single Crystals. <i>ACS Omega</i> , 2020 , 5, 16819-16825	3.9	4
57	Synchrotron powder X-ray diffraction and structural analysis of $\text{Eu}_{0.5}\text{La}_{0.5}\text{FBiS}_2\text{-xSex}$. <i>Journal of Physics: Conference Series</i> , 2017 , 871, 012007	0.3	4
56	Synthesis of mesoporous silica-phosphate hybrids and their adsorption competency for rare earth metal cations. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 732-736	1	4
55	Adsorption Behavior of Rare Earth Metal Cations in the Interlayer Space of ZrP . <i>Langmuir</i> , 2016 , 32, 9993-9999	4	4
54	Effect of Bi Substitution on Thermoelectric Properties of SbSe_2 -based Layered Compounds $\text{Nd}_{0.8}\text{F}_{0.2}\text{Sb}_{1-x}\text{Bi}_x\text{Se}_2$. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 024705	1.5	4
53	Growth and physical properties of $\text{Ce}(\text{O},\text{F})\text{Sb}(\text{S},\text{Se})_2$ single crystals with site-selected chalcogen atoms. <i>Solid State Communications</i> , 2019 , 289, 38-42	1.6	4
52	Bi Substitution Effects on Superconductivity of Valence-Skip Superconductor AgSnSe_2 . <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 054711	1.5	3
51	Growth of Superconducting $\text{Sm}(\text{O},\text{F})\text{BiS}_2$ Single Crystals. <i>Crystal Growth and Design</i> , 2019 , 19, 6136-6140	3.5	3
50	Growth and transport properties under high pressure of PrOBiS_2 single crystals. <i>Solid State Communications</i> , 2019 , 296, 17-20	1.6	3
49	Composition, valence and oxygen reduction reaction activity of Mn-based layered double hydroxides. <i>Journal of Asian Ceramic Societies</i> , 2019 , 7, 147-153	2.4	3
48	Topotactic transformation of Ni-based layered double hydroxide film to layered metal oxide and hydroxide. <i>Applied Clay Science</i> , 2016 , 124-125, 236-242	5.2	3
47	Catalytic Activity for Oxygen Reduction Reaction of Ni-Mn-Fe Layered Double Hydroxide-Carbon Gel Composite. <i>Chemistry Letters</i> , 2019 , 48, 696-699	1.7	3
46	Molten salt synthesis of spinel-type LiTi_2O_4 . <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 307-309	1	3
45	Effect of Polytetrafluoroethylene additive on low-temperature synthesis of InN crystals via reaction of LiInO_2 and NaNH_2 . <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 86-88	1	3
44	Synthesis and crystal structure of $\text{Mg}_{0.5}\text{NbO}_2$: An ion-exchange reaction with Mg^{2+} between trigonal $[\text{NbO}_2]$ layers. <i>Journal of Solid State Chemistry</i> , 2013 , 197, 471-474	3.3	3

43	Electrodeposition of exfoliated nanosheet colloid from the partially substituted birnessite and electrochemical property. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 396, 341-345	5.1	3
42	Properties and electronic structure of heavily oxygen-doped GaN crystals. <i>Chemical Physics Letters</i> , 2008 , 451, 222-225	2.5	3
41	n-Type thermoelectric metal chalcogenide (Ag,Pb,Bi)(S,Se,Te) designed by multi-site-type high-entropy alloying. <i>Materials Research Letters</i> , 2021 , 9, 366-372	7.4	3
40	Enhanced hydroxide ion conductivity of MgAl layered double hydroxide at low humidity by intercalating dodecyl sulfate anion. <i>Journal of the Ceramic Society of Japan</i> , 2019 , 127, 788-792	1	3
39	Growth and characterization of (La,Ce)OBiS ₂ single crystals. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 063001	1.4	2
38	Hydrothermal synthesis of KTi ₂ (PO ₄) ₃ , H ₂ Ti(HPO ₄) ₂ ·2H ₂ O and H ₂ Ti(PO ₄)(H ₂ PO ₄)·2H ₂ O from a lepidocrocite-type titanate. <i>Journal of Asian Ceramic Societies</i> , 2019 , 7, 361-367	2.4	2
37	Pressure-induced superconductivity in the layered pnictogen diselenide NdO _{0.8} F _{0.2} Sb _{1-x} Bi _x Se ₂ (x=0.3 and 0.7). <i>Physical Review B</i> , 2019 , 100,	3.3	2
36	Growth of Cu(In,Ga)S ₂ single crystals using CsCl flux. <i>Journal of Crystal Growth</i> , 2015 , 412, 16-19	1.6	2
35	Bulk Superconductivity Induced by Se Substitution in Self-Doped BiCh ₂ -Based Compound CeOBiS _{2-x} Sex. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 064702	1.5	2
34	Synthesis of LaO _{0.5} F _{0.5} BiS ₂ nanosheets by ultrasonification. <i>Journal of Asian Ceramic Societies</i> , 2017 , 5, 183-185	2.4	2
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