

Akira Miura

List of Publications by Year in descending order

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176
papers

3,747
citations

136950

32
h-index

175258

52
g-index

183
all docs

183
docs citations

183
times ranked

3895
citing authors

#	ARTICLE	IF	CITATIONS
1	Redox reactions of small organic molecules using ball milling and piezoelectric materials. <i>Science</i> , 2019, 366, 1500-1504.	12.6	305
2	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. <i>Nature Reviews Chemistry</i> , 2019, 3, 189-198.	30.2	238
3	In-plane chemical pressure essential for superconductivity in BiCh ₂ -based (Ch: S, Se) layered structure. <i>Scientific Reports</i> , 2015, 5, 14968.	3.3	104
4	Structural Analysis and Superconducting Properties of F-Substituted NdOBiS ₂ Single Crystals. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 113701.	1.6	94
5	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.	6.7	91
6	Growth and superconducting properties of F-substituted ROBiS ₂ (R=La, Ce, Nd) single crystals. <i>Solid State Communications</i> , 2014, 178, 33-36.	1.9	83
7	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.	3.6	79
8	Effect of Sintering Additives on Relative Density and Li ⁺ Ion Conductivity of Nb ⁵⁺ -Doped Li ₇ La ₃ ZrO ₁₂ Solid Electrolyte. <i>Journal of the American Ceramic Society</i> , 2017, 100, 276-285.	3.8	76
9	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.	4.8	75
10	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.	10.3	71
11	Oxygen vacancy-originated highly active electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15102-15109.	10.3	67
12	Single-crystalline porous NiO nanosheets prepared from Ni(OH) ₂ nanosheets: Magnetic property and photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 741-747.	20.2	65
13	Preparation of Li ₇ La ₃ (Zr _{2-x} 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.	2.7	65
14	Superconducting Double Perovskite Bismuth Oxide Prepared by a Low-Temperature Hydrothermal Reaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3599-3603.	13.8	61
15	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.	7.8	59
16	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.	2.9	58
17	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. <i>Chemistry of Materials</i> , 2016, 28, 459-465.	6.7	54
18	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.	6.0	53

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19	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7963-7967.	13.8	52
20	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.	2.4	52
21	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.	4.0	51
22	Observing and Modeling the Sequential Pairwise Reactions that Drive Solid-State Ceramic Synthesis. <i>Advanced Materials</i> , 2021, 33, e2100312.	21.0	51
23	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.	2.4	46
24	Acid-, base-, and heat-induced degradation behavior of Chinese sepiolite. <i>Ceramics International</i> , 2012, 38, 4677-4684.	4.8	42
25	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.	5.2	40
26	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.	5.5	38
27	Effect of Te substitution on crystal structure and transport properties of AgBiSe ₂ thermoelectric material. <i>Dalton Transactions</i> , 2018, 47, 2575-2580.	3.3	38
28	FePS ₃ electrodes in all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. <i>Electrochimica Acta</i> , 2017, 241, 370-374.	5.2	37
29	Structures and optical absorption of Bi ₂ OS ₂ and LaOBiS ₂ . <i>Solid State Communications</i> , 2016, 227, 19-22.	1.9	35
30	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.	1.6	35
31	Optimization of Al ₂ O ₃ and Li ₃ BO ₃ Content as Sintering Additives of Li ^x La _{2.95} Ca _{0.05} ZrTaO ₁₂ at Low Temperature. <i>Journal of Electronic Materials</i> , 2017, 46, 497-501.	2.2	34
32	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.	1.6	34
33	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.	1.9	34
34	Synthesis of Cu ₃ N from CuO and NaNH ₂ . <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 326-328.	2.3	32
35	Structure, Superconductivity, and Magnetism of Ce(O,F)BiS ₂ Single Crystals. <i>Crystal Growth and Design</i> , 2015, 15, 39-44.	3.0	32
36	Superconductivity in CeOBiS ₂ with cerium valence fluctuation. <i>Solid State Communications</i> , 2016, 245, 11-14.	1.9	31

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37	Synthesis, structure and photocatalytic activity of layered LaOInS_2 . Journal of Materials Chemistry A, 2017, 5, 14270-14277.	10.3	30
38	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS_2Se . Journal of Applied Physics, 2016, 119, 155103.	2.5	29
39	Synthesis of $\text{Pt}^{\sim}\text{Mo}^{\sim}\text{N}$ Thin Film and Catalytic Activity for Fuel Cells. Chemistry of Materials, 2010, 22, 3451-3456.	6.7	28
40	Deposition and Analysis of $\text{Al}^{\text{Rich}}\text{Ti}^{\sim}\text{N}$ Coating with Preferred Orientation. Journal of the American Ceramic Society, 2017, 100, 343-353.	3.8	28
41	Selective metathesis synthesis of MgCr_2S_4 by control of thermodynamic driving forces. Materials Horizons, 2020, 7, 1310-1316.	12.2	27
42	Low-Temperature Nitridation of Manganese and Iron Oxides Using NaNH_2 Molten Salt. Inorganic Chemistry, 2013, 52, 11787-11791.	4.0	26
43	Hydrothermal Synthesis, Structure, and Superconductivity of Simple Cubic Perovskite $(\text{Ba}_{0.62}\text{K}_{0.38})(\text{Bi}_{0.92}\text{Mg}_{0.08})\text{O}_3$ with $T_c \approx 30$ K. Inorganic Chemistry, 2017, 56, 3174-3181.	4.0	26
44	Synthesis of Wurtzite-Type InN Crystals by Low-Temperature Nitridation of LiInO_2 Using NaNH_2 Flux. Crystal Growth and Design, 2012, 12, 4545-4547.	3.0	25
45	Significant Reduction in the Interfacial Resistance of Garnet-Type Solid Electrolyte and Lithium Metal by a Thick Amorphous Lithium Silicate Layer. ACS Applied Energy Materials, 2020, 3, 5533-5541.	5.1	25
46	Kinetically Stabilized Cation Arrangement in Li_3YCl_6 Superionic Conductor during Solid-State Reaction. Advanced Science, 2021, 8, e2101413.	11.2	24
47	c -axis electrical resistivity of $\text{PrO}^{\sim}\text{aF}^{\sim}\text{BiS}_2$ single crystals. Japanese Journal of Applied Physics, 2015, 54, 083101.	1.5	22
48	$\text{Na}^{\sim}\text{Sn}_2\text{P}_2$ as a new member of van der Waals-type layered tin pnictide superconductors. Scientific Reports, 2018, 8, 12852.	3.3	22
49	Synthesis of sulfide solid electrolytes from Li_2S and P_2S_5 in anisole. Journal of Materials Chemistry A, 2021, 9, 400-405.	10.3	22
50	Crystal structure, site selectivity, and electronic structure of layered chalcogenide LaOBiPbS_3 . Europhysics Letters, 2017, 119, 26002.	2.0	20
51	Self-Combustion Synthesis of Novel Metastable Ternary Molybdenum Nitrides. , 2019, 1, 64-70.		20
52	Formation Mechanism of Thiophosphate Anions in the Liquid-Phase Synthesis of Sulfide Solid Electrolytes Using Polar Aprotic Solvents. Chemistry of Materials, 2020, 32, 9627-9632.	6.7	20
53	Formation Mechanism of Li_3PS_4 through Decomposition of Complexes. Inorganic Chemistry, 2021, 60, 6964-6970.	4.0	19
54	Growth and characterization of millimeter-sized GaN crystals by carbothermal reduction and nitridation of Ga_2O_3 . Journal of Crystal Growth, 2007, 299, 22-27.	1.5	18

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55	Vapor-phase growth of high-quality GaN single crystals in crucible by carbothermal reduction and nitridation of Ga ₂ O ₃ . Journal of Crystal Growth, 2008, 310, 530-535.	1.5	18
56	Crystal structures of a pentavalent bismuthate, SrBi ₂ O ₆ and a lead bismuth oxide (Pb _{1/3} Bi _{2/3})O _{1.4} . Journal of Asian Ceramic Societies, 2014, 2, 150-153.	2.3	18
57	Preparation and photocatalytic properties of new calcium and lead bismuthates. Journal of the Ceramic Society of Japan, 2014, 122, 509-512.	1.1	18
58	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} . Journal of Asian Ceramic Societies, 2015, 3, 251-254.	2.3	18
59	Synthesis, Crystal Structure, and Physical Properties of New Layered Oxychalcogenide La ₂ O ₂ Bi ₃ AgS ₆ . Journal of the Physical Society of Japan, 2017, 86, 124802.	1.6	18
60	Organic-Inorganic Hybrid Materials for Interface Design in All-Solid-State Batteries with a Garnet-Type Solid Electrolyte. ACS Applied Energy Materials, 2020, 3, 11260-11268.	5.1	18
61	Silver delafossite nitride, AgTaN ₂ . Journal of Solid State Chemistry, 2011, 184, 7-11.	2.9	17
62	Preparation of porous material from waste bottle glass by hydrothermal treatment. Ceramics International, 2012, 38, 2153-2157.	4.8	17
63	Octahedral and trigonal-prismatic coordination preferences in Nb-, Mo-, Ta-, and W-based ABX ₂ layered oxides, oxynitrides, and nitrides. Journal of Solid State Chemistry, 2015, 229, 272-277.	2.9	17
64	Two-Dimensional Hybrid Halide Perovskite as Electrode Materials for All-Solid-State Lithium Secondary Batteries Based on Sulfide Solid Electrolytes. ACS Applied Energy Materials, 2019, 2, 6569-6576.	5.1	17
65	Explosive Reaction for Barium Niobium Perovskite Oxynitride. Inorganic Chemistry, 2018, 57, 24-27.	4.0	16
66	Growth and Characterization of ROBiS ₂ High-Entropy Superconducting Single Crystals. ACS Omega, 2020, 5, 16819-16825.	3.5	16
67	Thermoelectric Properties of the As/P-Based Zintl Compounds EuIn ₂ As ₂ and SrSn ₂ As ₂ (x = 2) and SrSn ₂ As ₂ . ACS Applied Energy Materials, 2021, 4, 5155-5164.	5.1	16
68	Non-stoichiometric Fe _x WN ₂ : Leaching of Fe from layer-structured FeWN ₂ . Journal of Solid State Chemistry, 2010, 183, 327-331.	2.9	15
69	Vitreous phase coating on glaserite-type alkaline earth silicate blue phosphor BaCa ₂ MgSi ₂ O ₈ :Eu ²⁺ . Journal of Alloys and Compounds, 2011, 509, 8738-8741.	5.5	15
70	Alkaline earth metal doped tin oxide as a novel oxygen storage material. Materials Research Bulletin, 2015, 69, 116-119.	5.2	15
71	Synthesis, Crystal Structure, and Thermoelectric Properties of Layered Antimony Selenides REOSbSe ₂ (RE = La, Ce). Journal of the Physical Society of Japan, 2018, 87, 074703.	1.6	15
72	Effect of dispersion of sepiolite in sepiolite-NBR composite on the tensile strength. Composites Part B: Engineering, 2013, 44, 260-265.	12.0	14

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73	Synthesis of rutile-type solid solution $\text{Ni}_{1-x}\text{Co}_x\text{Ti}(\text{Nb}_y\text{Ta}_{1-y})_2\text{O}_8$ ($0 \leq x \leq 1$, $0 \leq y \leq 1$) and its optical property. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 284-289.	2.3	14
74	Crystal Structure and Superconductivity of Tetragonal and Monoclinic $\text{Ce}_{1-x}\text{Pr}_x\text{OBiS}_2$. <i>Inorganic Chemistry</i> , 2018, 57, 5364-5370.	4.0	14
75	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS ₂ Single Crystals. <i>Frontiers in Chemistry</i> , 2020, 8, 44.	3.6	14
76	Bonding Preference of Carbon, Nitrogen, and Oxygen in Niobium-Based Rock-Salt Structures. <i>Inorganic Chemistry</i> , 2013, 52, 9699-9701.	4.0	13
77	Development of All-solid-state Lithium Secondary Batteries Using NiPS_3 Electrode and $\text{Li}_2\text{S-P}_2\text{S}_5$ Solid Electrolyte. <i>Chemistry Letters</i> , 2016, 45, 652-654.	1.3	13
78	A layered wide-gap oxyhalide semiconductor with an infinite ZnO_2 square planar sheet: $\text{Sr}_2\text{ZnO}_2\text{Cl}_2$. <i>Chemical Communications</i> , 2017, 53, 3826-3829.	4.1	13
79	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.	8.7	13
80	Synthesis and ionic conductivity of a high-entropy layered hydroxide. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 336-339.	1.1	13
81	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.	1.1	12
82	Growth and anisotropy evaluation of NbBiCh_3 (Ch = S, Se) misfit-layered superconducting single crystals. <i>Solid State Communications</i> , 2020, 321, 114051.	1.9	12
83	Toward the Development of a High-Voltage Mg Cathode Using a Chromium Sulfide Host. , 2021, 3, 1213-1220.		12
84	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.	4.7	11
85	Study on the Effect of Pt Intercalation into Layered Niobate Perovskite for Photocatalytic Behavior. <i>Langmuir</i> , 2015, 31, 7660-7665.	3.5	11
86	Discovery of the Pt-Based Superconductor LaPt_5As . <i>Journal of the American Chemical Society</i> , 2016, 138, 9927-9934.	13.7	11
87	Enhanced superconductivity by Na doping in SnAs-based layered compound $\text{Na}_{1+x}\text{Sn}_{2x}\text{As}_2$. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 083001.	1.5	11
88	Mg-Al layered double hydroxide as an electrolyte membrane for aqueous ammonia fuel cell. <i>Materials Research Bulletin</i> , 2019, 119, 110561.	5.2	11
89	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric $\text{Ag}(\text{Bi,Sb})\text{Se}_2$ Solid Solution. <i>Inorganic Chemistry</i> , 2019, 58, 7628-7633.	4.0	11
90	Fe ²⁺ /P ³⁺ S electrodes for all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. <i>Journal of Power Sources</i> , 2020, 449, 227576.	7.8	11

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91	Two-fold symmetry of in-plane magnetoresistance anisotropy in the superconducting states of BiCh ₂ -based LaO _{0.9} F _{0.1} BiSSe single crystal. Journal of Physics Communications, 2020, 4, 095028.	1.2	11
92	Vapor phase growth of GaN crystals with different morphologies and orientations on graphite and sapphire substrates. Materials Research Bulletin, 2006, 41, 1775-1782.	5.2	10
93	Low temperature synthesis of ATiO ₃ (A: Mg, Ca, Sr, Ba) by using molten salt. Journal of the Ceramic Society of Japan, 2013, 121, 74-79.	1.1	10
94	Soft-chemical synthesis and catalytic activity of Ni-Al and Co-Al layered double hydroxides (LDHs) intercalated with anions with different charge density. Journal of Asian Ceramic Societies, 2014, 2, 289-296.	2.3	10
95	Structural Difference in Superconductive and Nonsuperconductive Bi ² S Planes within Bi ₄ O ₄ Bi ₂ S ₄ Blocks. Inorganic Chemistry, 2015, 54, 10462-10467.	4.0	10
96	Reaction Mechanism of FePS ₃ Electrodes in All-Solid-State Lithium Secondary Batteries Using Sulfide-Based Solid Electrolytes. Journal of the Electrochemical Society, 2018, 165, A2948-A2954.	2.9	10
97	Composition, valence and oxygen reduction reaction activity of Mn-based layered double hydroxides. Journal of Asian Ceramic Societies, 2019, 7, 147-153.	2.3	10
98	Ultrahigh-Pressure Preparation and Catalytic Activity of MOF-Derived Cu Nanoparticles. Nanomaterials, 2021, 11, 1040.	4.1	10
99	Synthesis of highly Li-ion conductive garnet-type solid ceramic electrolytes by solution-process-derived sintering additives. Journal of the European Ceramic Society, 2021, 41, 6767-6771.	5.7	10
100	Phase change and electrical resistivity of Zn ²⁺ Mn ²⁺ Ni ²⁺ O-based NTC thermistors produced using IZC powder recycled from used dry batteries. Ceramics International, 2008, 34, 853-857.	4.8	9
101	Conversion of calcium sulfite waste to hydroxyapatite. Powder Technology, 2013, 237, 400-405.	4.2	8
102	Valence of praseodymium in superconducting Pr(O,F)BiS ₂ single crystals. Applied Physics Express, 2016, 9, 063101.	2.4	8
103	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. Angewandte Chemie, 2016, 128, 8095-8099.	2.0	8
104	Synthesis, crystal structure and optical absorption of NaInS ₂ -Se. Journal of Alloys and Compounds, 2018, 750, 409-413.	5.5	8
105	Synthesis of submicron-sized NiPS ₃ particles and electrochemical properties as active materials in all-solid-state lithium batteries. Journal of the Ceramic Society of Japan, 2018, 126, 568-572.	1.1	8
106	An electronic structure governed by the displacement of the indium site in In ²⁺ S ₆ octahedra: LnOInS ₂ (Ln = La, Ce, and Pr). Dalton Transactions, 2019, 48, 12272-12278.	3.3	8
107	Structural Phase Diagram of LaO _{1-x} F _x BiSSe: Suppression of the Structural Phase Transition by Partial F Substitutions. Condensed Matter, 2020, 5, 81.	1.8	8
108	Preparation of Composite Electrodes for All-Solid-State Batteries Based on Sulfide Electrolytes: An Electrochemical Point of View. Batteries, 2021, 7, 77.	4.5	8

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109	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.	3.0	7
110	Crystal structures and ferromagnetism of Fe_xWN_2 ($x \approx 0.74, 0.90$) with defective iron triangular lattice. <i>Journal of Alloys and Compounds</i> , 2014, 593, 154-157.	5.5	7
111	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.	1.1	7
112	High-Pressure Polymorph of NaBiO_3 . <i>Inorganic Chemistry</i> , 2016, 55, 5747-5749.	4.0	7
113	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.	2.9	7
114	Thermal stability and cutting performance of Al-rich cubic $\text{Al}_{1-x}\text{Ti}_x\text{N}$ coating prepared by low-pressure chemical vapour deposition. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 913-918.	1.1	7
115	Growth of Superconducting $\text{Sm}(\text{O},\text{F})\text{BiS}_2$ Single Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 6136-6140.	3.0	7
116	Enhanced hydroxide ion conductivity of Mg-Al layered double hydroxide at low humidity by intercalating dodecyl sulfate anion. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 788-792.	1.1	7
117	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.	10.3	7
118	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.	1.1	6
119	Synchrotron powder X-ray diffraction and structural analysis of $\text{Eu}_{0.5}\text{La}_{0.5}\text{FBiS}_2\text{Se}$. <i>Journal of Physics: Conference Series</i> , 2017, 871, 012007.	0.4	6
120	Bipolar doping and thermoelectric properties of Zintl arsenide $\text{Eu}_5\text{In}_2\text{As}_6$. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26362-26370.	10.3	6
121	Synthesis and characterization of Zn-doped GaN crystals by simultaneous carbothermal reduction and nitridation of Ga_2O_3 and ZnO . <i>Journal of Crystal Growth</i> , 2010, 312, 452-456.	1.5	5
122	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.	2.6	5
123	Development of Alkaline Fuel Cells Using Hydroxide-Ion Conductive Layered Double Hydroxides. <i>ECS Transactions</i> , 2015, 69, 385-389.	0.5	5
124	Adsorption Behavior of Rare Earth Metal Cations in the Interlayer Space of ZrP . <i>Langmuir</i> , 2016, 32, 9993-9999.	3.5	5
125	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.	1.1	5
126	Growth and characterization of $(\text{La},\text{Ce})\text{OBiS}_2$ single crystals. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 063001.	1.5	5

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127	Growth and transport properties under high pressure of PrOBiS ₂ single crystals. Solid State Communications, 2019, 296, 17-20.	1.9	5
128	Effect of Bi Substitution on Thermoelectric Properties of SbSe ₂ -based Layered Compounds Nd _{0.8} F _{0.2} Sb _{1-x} Bi _x Se ₂ . Journal of the Physical Society of Japan, 2019, 88, 024705.	1.6	5
129	Growth and physical properties of Ce(O,F)Sb(S,Se) ₂ single crystals with site-selected chalcogen atoms. Solid State Communications, 2019, 289, 38-42.	1.9	5
130	Synthesis and crystal structure of Mg _{0.5} NbO ₂ : An ion-exchange reaction with Mg ²⁺ between trigonal [NbO ₂] ²⁻ layers. Journal of Solid State Chemistry, 2013, 197, 471-474.	2.9	4
131	Effect of Polytetrafluoroethylene additive on low-temperature synthesis of InN crystals via reaction of LiInO ₂ and NaNH ₂ . Journal of the Ceramic Society of Japan, 2014, 122, 86-88.	1.1	4
132	Topotactic transformation of Ni-based layered double hydroxide film to layered metal oxide and hydroxide. Applied Clay Science, 2016, 124-125, 236-242.	5.2	4
133	Catalytic Activity for Oxygen Reduction Reaction of Ni-Mn-Fe Layered Double Hydroxide-Carbon Gel Composite. Chemistry Letters, 2019, 48, 696-699.	1.3	4
134	Improvement of superconducting properties by chemical pressure effect in Eu-doped La ₂ -Eu O ₂ Bi ₃ Ag _{0.6} Sn _{0.4} S ₆ . Physica C: Superconductivity and Its Applications, 2020, 576, 1353731.	1.2	4
135	Evolution of two bulk-superconducting phases in Sr _{0.5} RE _{0.5} BiS ₂ (RE: La, Ce, Pr, Nd, Sm) by external hydrostatic pressure effect. Scientific Reports, 2020, 10, 12880.	3.3	4
136	Kinetic Control of the Li _{0.9} Mn _{1.6} Ni _{0.4} O ₄ Spinel Structure with Enhanced Electrochemical Performance. ACS Applied Materials & Interfaces, 2021, 13, 14056-14067.	8.0	4
137	Combustion Reactions between Transition-Metal Chlorides and Sodium Amide and Their Ignition Temperature. Inorganic Chemistry, 2021, 60, 12753-12758.	4.0	4
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