

Akira Miura

List of Publications by Year in descending order

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176
papers

3,747
citations

136950

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175258

52
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183
all docs

183
docs citations

183
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Two-step liquid-phase synthesis of argyrodite Li ₆ PS ₅ Cl solid electrolyte using nonionic surfactant. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2023, 62, 187-193.	1.9	3
2	Argyrodite solid electrolyte-coated graphite as anode material for all-solid-state batteries. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 8-15.	2.4	4
3	Liquid-phase Synthesis of Sulfide Electrolytes and Synthesis Mechanism. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2022, 69, 95-98.	0.2	0
4	Synthesis and Characterization of High-Entropy-Alloy-Type Layered Telluride MBi ₂ Te ₄ (M = Ag, In, Sn, Pb.) <i>Tj ETQq0,0,0 rgBT /Overlock 1</i>	2.9	1
5	Estimation of the Gr ^{1/4} neisen Parameter of High-Entropy Alloy-Type Functional Materials: The Cases of REO _{0.7} F _{0.3} BiS ₂ and MTe. <i>Condensed Matter</i> , 2022, 7, 34.	1.8	0
6	Investigation of Superconductivity in Ce-Doped (La,Pr)OBiS ₂ Single Crystals. <i>Materials</i> , 2022, 15, 2977.	2.9	0
7	Preparation of transparent and mechanically hard inorganic-organic hybrid thick films from 3-glycidoxypropyltrimethoxysilane and zirconium propoxide. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 104, 478-483.	2.4	4
8	Lattice Anharmonicity in BiS ₂ -Based Layered Superconductor RE(O,F)BiS ₂ (RE =) <i>Tj ETQq0,0,0 rgBT /Overlock 2</i>	1.6	2
9	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.	10.3	22
10	Wet Chemical Processes for the Preparation of Composite Electrodes in All-Solid-State Lithium Battery. , 2021, , 85-92.		1
11	The crystal structure and electrical/thermal transport properties of Li _{1-x} Sn _{2+x} 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
12	Kinetic Control of the Li _{0.9} Mn _{1.6} Ni _{0.4} O ₄ Spinel Structure with Enhanced Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14056-14067.	8.0	4
13	Fast discharge" charge properties of FePS ₃ electrode for all-solid-state batteries using sulfide electrolytes and its stable diffusion path. <i>Functional Materials Letters</i> , 2021, 14, 2141005.	1.2	2
14	Thermoelectric Properties of the As/P-Based Zintl Compounds Euln ₂ As ₂ xP _x (x = 0"2) and SrSn ₂ As ₂ . <i>ACS Applied Energy Materials</i> , 2021, 4, 5155-5164.	5.1	16
15	Formation Mechanism of ¹² -Li ₃ PS ₄ through Decomposition of Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 6964-6970.	4.0	19
16	Ultrahigh-Pressure Preparation and Catalytic Activity of MOF-Derived Cu Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1040.	4.1	10
17	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
18	Observing and Modeling the Sequential Pairwise Reactions that Drive Solid"State Ceramic Synthesis. <i>Advanced Materials</i> , 2021, 33, e2100312.	21.0	51

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19	Phase transition, magnetic, and electronic properties of CeOInS ₂ . Journal of the Ceramic Society of Japan, 2021, 129, 249-253.	1.1	1
20	Kinetically Stabilized Cation Arrangement in Li ₃ YCl ₆ Superionic Conductor during Solid-State Reaction. Advanced Science, 2021, 8, e2101413.	11.2	24
21	Toward the Development of a High-Voltage Mg Cathode Using a Chromium Sulfide Host. , 2021, 3, 1213-1220.		12
22	Combustion Reactions between Transition-Metal Chlorides and Sodium Amide and Their Ignition Temperature. Inorganic Chemistry, 2021, 60, 12753-12758.	4.0	4
23	Cd additive effect on self-flux growth of Cs-intercalated NbS ₂ superconducting single crystals. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, .	0.7	0
24	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
25	Fluorine solubility and superconducting properties of Sm(O,F)BiS ₂ single crystals. Journal of Alloys and Compounds, 2021, 883, 160812.	5.5	1
26	Graphite/Li ₇ P ₃ S ₁₁ composite prepared by "seed" process for all-solid-state batteries. Solid State Ionics, 2021, 372, 115789.	2.7	4
27	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
28	Bipolar doping and thermoelectric properties of Zintl arsenide Eu ₅ In ₂ As ₆ . Journal of Materials Chemistry A, 2021, 9, 26362-26370.	10.3	6
29	Li ₂ S-P ₂ S ₅ Solutions for Forming Solid Electrolyte Coating Layers on Electrode Materials for All-Solid-State Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 136-136.	0.0	0
30	Electrical properties of pyrochlore-type silver tantalate and fluorite-type silver niobate. Journal of the Ceramic Society of Japan, 2020, 128, 46-50.	1.1	3
31	Fe-S electrodes for all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. Journal of Power Sources, 2020, 449, 227576.	7.8	11
32	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
33	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
34	Evolution of two bulk-superconducting phases in Sr _{0.5} RE _{0.5} FBiS ₂ (RE: La, Ce, Pr, Nd, Sm) by external hydrostatic pressure effect. Scientific Reports, 2020, 10, 12880.	3.3	4
35	Growth and anisotropy evaluation of NbBiCh ₃ (Ch = S, Se) misfit-layered superconducting single crystals. Solid State Communications, 2020, 321, 114051.	1.9	12
36	Structural Phase Diagram of LaO _{1-x} FxBiSSe: Suppression of the Structural Phase Transition by Partial F Substitutions. Condensed Matter, 2020, 5, 81.	1.8	8

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37	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.	6.7	20
38	Crystal Structure and Thermoelectric Transport Properties of As-Doped Layered Pnictogen OxyseLENides NdO _{0.8} F _{0.2} Sb _{1-x} As _x Se ₂ . <i>Materials</i> , 2020, 13, 2164.	2.9	1
39	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.	5.1	25
40	Bulk Superconductivity Induced by Se Substitution in Self-Doped BiCh ₂ -Based Compound CeOBiS ₂ . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 064702.	1.6	3
41	Growth and Characterization of ROBiS ₂ High-Entropy Superconducting Single Crystals. <i>ACS Omega</i> , 2020, 5, 16819-16825.	3.5	16
42	Selective metathesis synthesis of MgCr ₂ S ₄ by control of thermodynamic driving forces. <i>Materials Horizons</i> , 2020, 7, 1310-1316.	12.2	27
43	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS ₂ Single Crystals. <i>Frontiers in Chemistry</i> , 2020, 8, 44.	3.6	14
44	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	11
45	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
46	Microwave Fusion of the Composite LiMn _{1.6} Ni _{0.4} O ₄ -LiFePO ₄ /C to Improve the Stability of Spinel Phase. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 398-398.	0.0	0
47	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
48	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, 6569-6576.	5.1	17
49	Enhanced superconductivity by Na doping in SnAs-based layered compound Na _{1+x} Sn ₂ As ₂ . <i>Japanese Journal of Applied Physics</i> , 2019, 58, 083001.	1.5	11
50	Catalytic Activity for Oxygen Reduction Reaction of Ni-Mn-Fe Layered Double Hydroxide-Carbon Gel Composite. <i>Chemistry Letters</i> , 2019, 48, 696-699.	1.3	4
51	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
52	An electronic structure governed by the displacement of the indium site in In ⁶⁺ S ₆ octahedra: LnIn ₂ S ₆ (Ln = La, Ce, and Pr). <i>Dalton Transactions</i> , 2019, 48, 12272-12278.	3.3	8
53	Growth and characterization of (La,Ce)OBiS ₂ single crystals. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 063001.	1.5	5
54	Growth of Superconducting Sm(O,F)BiS ₂ Single Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 6136-6140.	3.0	7

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55	Hydrothermal synthesis of $\text{KTi}_2(\text{PO}_4)_3$, $\text{Ti}(\text{HPO}_4)_2 \cdot \text{H}_2\text{O}$ and $\text{Ti}(\text{PO}_4)_2(\text{H}_2\text{PO}_4) \cdot 2\text{H}_2\text{O}$ from a lepidocrocite-type titanate. <i>Journal of Asian Ceramic Societies</i> , 2019, 7, 361-367.	2.3	3
56	Pressure-induced superconductivity in the layered pnictogen diselenide $\text{NdO}_{0.8}\text{F}_{0.2}\text{Sb}_{1-x}\text{Bi}_x\text{Se}_2$ ($x=0.3$ and 0.7). <i>Physical Review B</i> , 2019, 100, .	3.2	3
57	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
58	Self-Combustion Synthesis of Novel Metastable Ternary Molybdenum Nitrides. , 2019, 1, 64-70.		20
59	Growth and transport properties under high pressure of PrOBiS_2 single crystals. <i>Solid State Communications</i> , 2019, 296, 17-20.	1.9	5
60	Improvement of superconducting properties by high mixing entropy at blocking layers in BiS_2 -based superconductor $\text{REO}_{0.5}\text{F}_{0.5}\text{BiS}_2$. <i>Solid State Communications</i> , 2019, 295, 43-49.	1.9	34
61	Composition, valence and oxygen reduction reaction activity of Mn-based layered double hydroxides. <i>Journal of Asian Ceramic Societies</i> , 2019, 7, 147-153.	2.3	10
62	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. <i>Nature Reviews Chemistry</i> , 2019, 3, 189-198.	30.2	238
63	Effect of Bi Substitution on Thermoelectric Properties of SbSe_2 -based Layered Compounds $\text{NdO}_{0.8}\text{F}_{0.2}\text{Sb}_{1-x}\text{Bi}_x\text{Se}_2$. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 024705.	1.6	5
64	Redox reactions of small organic molecules using ball milling and piezoelectric materials. <i>Science</i> , 2019, 366, 1500-1504.	12.6	305
65	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
66	Electrochemical performance of bulk-type all-solid-state batteries using small-sized $\text{Li}_7\text{P}_3\text{S}_{11}$ 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
67	Growth and physical properties of $\text{Ce}(\text{O,F})\text{Sb}(\text{S,Se})_2$ single crystals with site-selected chalcogen atoms. <i>Solid State Communications</i> , 2019, 289, 38-42.	1.9	5
68	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in BiS_2 -Based $\text{REO}_{0.5}\text{F}_{0.5}\text{BiS}_2$ ($\text{RE} = \text{La, Ce, Pr, and Nd}$). <i>Journal of the Physical Society of Japan</i> , 2018, 87, 023704.	1.6	34
69	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
70	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
71	Preparation of sulfide solid electrolytes in the $\text{Li}_2\text{S-P}_2\text{S}_5$ system by a liquid phase process. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 501-508.	6.0	53
72	Float zone growth and spectroscopic properties of Yb:CaYAlO_4 single crystal for ultra-short pulse lasers. <i>Optical Materials</i> , 2018, 80, 57-61.	3.6	1

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73	Synthesis, crystal structure and optical absorption of NaInS ₂ -Se. Journal of Alloys and Compounds, 2018, 750, 409-413.	5.5	8
74	Structural and Electrochemical Evaluation of Three- and Two-Dimensional Organohalide Perovskites and Their Influence on the Reversibility of Lithium Intercalation. Inorganic Chemistry, 2018, 57, 4181-4188.	4.0	51
75	Liquid-phase synthesis of Li ₆ PS ₅ Br using ultrasonication and application to cathode composite electrodes in all-solid-state batteries. Ceramics International, 2018, 44, 742-746.	4.8	75
76	Explosive Reaction for Barium Niobium Perovskite Oxynitride. Inorganic Chemistry, 2018, 57, 24-27.	4.0	16
77	Electrochemical performance of a garnet solid electrolyte based lithium metal battery with interface modification. Journal of Materials Chemistry A, 2018, 6, 21018-21028.	10.3	71
78	Synthesis of Bi ₂ (O,F)S ₂ ; superconductors by NaF treatment. Journal of the Ceramic Society of Japan, 2018, 126, 591-593.	1.1	2
79	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
80	Na _{1-x} Sn ₂ P ₂ as a new member of van der Waals-type layered tin pnictide superconductors. Scientific Reports, 2018, 8, 12852.	3.3	22
81	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
82	Oxygen vacancy-originated highly active electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 15102-15109.	10.3	67
83	Composite cathode prepared by argyrodite precursor solution assisted by dispersant agents for bulk-type all-solid-state batteries. Journal of Power Sources, 2018, 396, 33-40.	7.8	59
84	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
85	Hydrothermal Synthesis, Structure, and Superconductivity of Simple Cubic Perovskite (Ba _{0.62} K _{0.38})(Bi _{0.92} Mg _{0.08})O ₃ with $t \approx 1/4$ 30 K. Inorganic Chemistry, 2017, 56, 3174-3181.	4.0	26
86	FePS ₃ electrodes in all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. Electrochimica Acta, 2017, 241, 370-374.	5.2	37
87	A layered wide-gap oxyhalide semiconductor with an infinite ZnO ₂ square planar sheet: Sr ₂ ZnO ₂ Cl ₂ . Chemical Communications, 2017, 53, 3826-3829.	4.1	13
88	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. Ionics, 2017, 23, 1619-1624.	2.4	52
89	Bi Substitution Effects on Superconductivity of Valence-Skip Superconductor AgSnSe ₂ . Journal of the Physical Society of Japan, 2017, 86, 054711.	1.6	3
90	Synthesis, structure and photocatalytic activity of layered LaOInS ₂ . Journal of Materials Chemistry A, 2017, 5, 14270-14277.	10.3	30

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91	Intrinsic Phase Diagram of Superconductivity in the BiCh ₂ -Based System Without In-Plane Disorder. Journal of the Physical Society of Japan, 2017, 86, 074701.	1.6	35
92	Instantaneous preparation of high lithium-ion conducting sulfide solid electrolyte Li ₇ P ₃ S ₁₁ by a liquid phase process. RSC Advances, 2017, 7, 46499-46504.	3.6	79
93	Crystal structure, site selectivity, and electronic structure of layered chalcogenide LaOBiPbS ₃ . Europhysics Letters, 2017, 119, 26002.	2.0	20
94	Prediction of Ternary Liquidus Temperatures by Statistical Modeling of Binary and Ternary Ag-Al-Sn-Zn Systems. ACS Omega, 2017, 2, 5271-5282.	3.5	0
95	Synthesis of LaO _{0.5} F _{0.5} BiS ₂ nanosheets by ultrasonification. Journal of Asian Ceramic Societies, 2017, 5, 183-185.	2.3	2
96	Synthesis of rutile-type solid solution Ni _{1-x} Co _x Ti(Nb _y Ta _y) ₂ O ₈ (0 ≤ x ≤ 1, 0 ≤ y ≤ 1) and its optical property. Journal of Asian Ceramic Societies, 2017, 5, 284-289.	2.3	14
97	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
98	Deposition and Analysis of Al-rich Al _x Ti _{1-x} N Coating with Preferred Orientation. Journal of the American Ceramic Society, 2017, 100, 343-353.	3.8	28
99	Effect of Sintering Additives on Relative Density and Li-ion Conductivity of Nb-doped Li ₇ La ₃ ZrO ₁₂ Solid Electrolyte. Journal of the American Ceramic Society, 2017, 100, 276-285.	3.8	76
100	Hydrothermal synthesis and crystal structure of a new lithium copper bismuth oxide, LiCuBiO ₄ . Journal of Solid State Chemistry, 2017, 245, 30-33.	2.9	7
101	Optimization of Al ₂ O ₃ and Li ₃ BO ₃ Content as Sintering Additives of Li _{7-x} La _{2.95} Ca _{0.05} ZrTaO ₁₂ at Low Temperature. Journal of Electronic Materials, 2017, 46, 497-501.	2.2	34
102	Thermal stability and cutting performance of Al-rich cubic Al _{1-x} Ti _x N coating prepared by low-pressure chemical vapour deposition. Journal of the Ceramic Society of Japan, 2017, 125, 913-918.	1.1	7
103	Low-temperature synthesis and rational design of nitrides and oxynitrides for novel functional material development. Journal of the Ceramic Society of Japan, 2017, 125, 552-558.	1.1	12
104	Synthesis of mesoporous silica-phosphate hybrids and their adsorption competency for rare earth metal cations. Journal of the Ceramic Society of Japan, 2017, 125, 732-736.	1.1	5
105	Synchrotron powder X-ray diffraction and structural analysis of Eu _{0.5} La _{0.5} FBiS _{2-x} Se _x . Journal of Physics: Conference Series, 2017, 871, 012007.	0.4	6
106	Valence of praseodymium in superconducting Pr(O,F)BiS ₂ single crystals. Applied Physics Express, 2016, 9, 063101.	2.4	8
107	Nitrogen-rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. Angewandte Chemie, 2016, 128, 8095-8099.	2.0	8
108	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS _{2-x} Se _x . Journal of Applied Physics, 2016, 119, 155103.	2.5	29

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109	Adsorption Behavior of Rare Earth Metal Cations in the Interlayer Space of $\text{Hf}^3\text{-ZrP}$. <i>Langmuir</i> , 2016, 32, 9993-9999.	3.5	5
110	Superconductivity in CeOBiS_2 with cerium valence fluctuation. <i>Solid State Communications</i> , 2016, 245, 11-14.	1.9	31
111	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
112	Discovery of the Pt-Based Superconductor LaPt_5As . <i>Journal of the American Chemical Society</i> , 2016, 138, 9927-9934.	13.7	11
113	Correction to Structure, Superconductivity, and Magnetism of $\text{Ce}(\text{O},\text{F})\text{BiS}_2$ Single Crystals. <i>Crystal Growth and Design</i> , 2016, 16, 2459-2459.	3.0	0
114	High-Pressure Polymorph of NaBiO_3 . <i>Inorganic Chemistry</i> , 2016, 55, 5747-5749.	4.0	7
115	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	4
116	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
117	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. <i>Chemistry of Materials</i> , 2016, 28, 459-465.	6.7	54
118	Structures and optical absorption of Bi_2OS_2 and LaOBiS_2 . <i>Solid State Communications</i> , 2016, 227, 19-22.	1.9	35
119	Preparation of $\text{Li}_7\text{La}_3(\text{Zr}_2^{\delta}, \text{Nb})\text{O}_{12}$ ($\delta = 0 \sim 1.5$) and $\text{Li}_3\text{BO}_3/\text{LiBO}_2$ composites at low temperatures using a sol-gel process. <i>Solid State Ionics</i> , 2016, 285, 6-12.	2.7	65
120	Uniaxial Chemical Pressure and Disorder Effects on Magnetic and Dielectric Properties of $\text{Hf}^2\text{-(BEDT-TTF)}_2(\text{ICl}_2)_1\text{(AuCl)}_x$. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 033709.	1.6	10
121	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
122	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
123	Hydrothermal synthesis and crystal structure analysis of two new cadmium bismuthates, CdBi_2O_6 and $\text{Cd}_{0.37}\text{Bi}_{0.63}\text{O}_{1.79}$. <i>Journal of Asian Ceramic Societies</i> , 2015, 3, 251-254.	2.3	18
124	Alkaline earth metal doped tin oxide as a novel oxygen storage material. <i>Materials Research Bulletin</i> , 2015, 69, 116-119.	5.2	15
125	Study on the Effect of Pt Intercalation into Layered Niobate Perovskite for Photocatalytic Behavior. <i>Langmuir</i> , 2015, 31, 7660-7665.	3.5	11
126	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.	2.9	17

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127	Hydrothermal synthesis of a new Bi-based (Ba _{0.82} K _{0.18})(Bi _{0.53} Pb _{0.47})O ₃ superconductor. Journal of Alloys and Compounds, 2015, 634, 208-214.	5.5	38
128	Development of Alkaline Fuel Cells Using Hydroxide-Ion Conductive Layered Double Hydroxides. ECS Transactions, 2015, 69, 385-389.	0.5	5
129	<i>c</i> -axis electrical resistivity of PrO _{1-x} BiS ₂ single crystals. Japanese Journal of Applied Physics, 2015, 54, 083101.	1.5	22
130	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
131	Structure, Superconductivity, and Magnetism of Ce(O,F)BiS ₂ Single Crystals. Crystal Growth and Design, 2015, 15, 39-44.	3.0	32
132	Growth of Cu(In,Ga)S ₂ single crystals using CsCl flux. Journal of Crystal Growth, 2015, 412, 16-19.	1.5	2
133	Photocatalytic Activities of Layered Niobate Perovskite (A ⁿ⁺ ⁿ⁻ 1Nb _n O _{3n+1} , A: Ca, La) with Substitution of Ti and W for Nb. Journal of Ion Exchange, 2014, 25, 242-247.	0.3	2
134	Synthesis of Cu ₃ N from CuO and NaNH ₂ . Journal of Asian Ceramic Societies, 2014, 2, 326-328.	2.3	32
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