Akira Miura

List of Publications by Year
in descending order

176	3,747	156536	198040
papers	citations	32 h-index	52 g-index

183	183	183	4465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-step liquid-phase synthesis of argyrodite Li6PS5Cl solid electrolyte using nonionic surfactant. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2023, 62, 187-193.	0.9	3
2	Argyrodite solid electrolyte-coated graphite as anode material for all-solid-state batteries. Journal of Sol-Gel Science and Technology, 2022, 101, 8-15.	1.1	4
3	Liquid-phase Synthesis of Sulfide Electrolytes and Synthesis Mechanism. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, 95-98.	0.1	0
4	Synthesis and Characterization of High-Entropy-Alloy-Type Layered Telluride MBi2Te4 (M = Ag, In, Sn, Pb,) Tj ETQq0 0 0 rgBT /Overlock 1	1.3	1
5	Estimation of the GrÃ¼neisen Parameter of High-Entropy Alloy-Type Functional Materials: The Cases of REO0.7F0.3BiS2 and MTe. Condensed Matter, 2022, 7, 34.	0.8	0
6	Investigation of Superconductivity in Ce-Doped (La,Pr)OBiS2 Single Crystals. Materials, 2022, 15, 2977.	1.3	0
7	Preparation of transparent and mechanically hard inorganic-organic hybrid thick films from 3-glycidoxypropyltrimethoxysilane and zirconium propoxide. Journal of Sol-Gel Science and Technology, 2022, 104, 478-483.	1.1	4
8	Lattice Anharmonicity in BiS₂-Based Layered Superconductor RE(O,F)BiS₂ (RE =) Tj ETQq0 0 0 rgBT /Overlock	0.7	2
9	Synthesis of sulfide solid electrolytes from Li₂S and P₂S₅ in anisole. Journal of Materials Chemistry A, 2021, 9, 400-405.	5.2	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_{1â^'x}Sn_{2+x}P₂and its performance as a Li-ion battery anode material. Journal of Materials Chemistry A, 2021, 9, 7034-7041.	5.2	7
12	Kinetic Control of the Li_{0.9}Mn_{1.6}Ni_{0.4}O₄ Spinel Structure with Enhanced Electrochemical Performance. ACS Applied Materials & Interfaces, 2021, 13, 14056-14067.	4.0	4
13	Fast dischargeâ€“charge properties of FePS3 electrode for all-solid-state batteries using sulfide electrolytes and its stable diffusion path. Functional Materials Letters, 2021, 14, 2141005.	0.7	2
14	Thermoelectric Properties of the As/P-Based Zintl Compounds EuIn₂As_{2â€“x}P_x (x = 0â€“2) and SrSn₂As₂. ACS Applied Energy Materials, 2021, 4, 5155-5164.	2.5	16
15	Formation Mechanism of Î²-Li₃PS₄ through Decomposition of Complexes. Inorganic Chemistry, 2021, 60, 6964-6970.	1.9	19
16	Ultrahigh-Pressure Preparation and Catalytic Activity of MOF-Derived Cu Nanoparticles. Nanomaterials, 2021, 11, 1040.	1.9	10
17	n-Type thermoelectric metal chalcogenide (Ag,Pb,Bi)(S,Se,Te) designed by multi-site-type high-entropy alloying. Materials Research Letters, 2021, 9, 366-372.	4.1	13
18	Observing and Modeling the Sequential Pairwise Reactions that Drive Solidâ€State Ceramic Synthesis. Advanced Materials, 2021, 33, e2100312.	11.1	51

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19	Phase transition, magnetic, and electronic properties of CeOInS₂. Journal of the Ceramic Society of Japan, 2021, 129, 249-253.	0.5	1
20	Kinetically Stabilized Cation Arrangement in Li₃YCl₆ Superionic Conductor during Solidâ€State Reaction. Advanced Science, 2021, 8, e2101413.	5.6	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.	1.9	4
23	Cd additive effect on self-flux growth of Cs-intercalated NbS2 superconducting single crystals. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, .	0.3	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.	2.8	10
25	Fluorine solubility and superconducting properties of Sm(O,F)BiS2 single crystals. Journal of Alloys and Compounds, 2021, 883, 160812.	2.8	1
26	Graphite/Li7P3S11 composite prepared by â€œseedâ€•process for all-solid-state batteries. Solid State Ionics, 2021, 372, 115789.	1.3	4
27	Preparation of Composite Electrodes for All-Solid-State Batteries Based on Sulfide Electrolytes: An Electrochemical Point of View. Batteries, 2021, 7, 77.	2.1	8
28	Bipolar doping and thermoelectric properties of Zintl arsenide Eu₅In₂As₆. Journal of Materials Chemistry A, 2021, 9, 26362-26370.	5.2	6
29	Li2s-P2S5 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.	0.5	3
31	Feâ€“Pâ€“S electrodes for all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. Journal of Power Sources, 2020, 449, 227576.	4.0	11
32	Improvement of superconducting properties by chemical pressure effect in Eu-doped La2-Eu O2Bi3Ag0.6Sn0.4S6. Physica C: Superconductivity and Its Applications, 2020, 576, 1353731.	0.6	4
33	Organicâ€“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.	2.5	18
34	Evolution of two bulk-superconducting phases in Sr0.5RE0.5FBiS2 (RE: La, Ce, Pr, Nd, Sm) by external hydrostatic pressure effect. Scientific Reports, 2020, 10, 12880.	1.6	4
35	Growth and anisotropy evaluation of NbBiCh3 (Ch = S, Se) misfit-layered superconducting single crystals. Solid State Communications, 2020, 321, 114051.	0.9	12
36	Structural Phase Diagram of LaO1â^'xFxBiSSe: Suppression of the Structural Phase Transition by Partial F Substitutions. Condensed Matter, 2020, 5, 81.	0.8	8

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37	Formation Mechanism of Thiophosphate Anions in the Liquid-Phase Synthesis of Sulfide Solid Electrolytes Using Polar Aprotic Solvents. Chemistry of Materials, 2020, 32, 9627-9632.	3.2	20
38	Crystal Structure and Thermoelectric Transport Properties of As-Doped Layered Pnictogen Oxyselenides NdO0.8F0.2Sb1â^'xAsxSe2. Materials, 2020, 13, 2164.	1.3	1
39	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.	2.5	25
40	Bulk Superconductivity Induced by Se Substitution in Self-Doped BiCh₂-Based Compound CeOBiS_{2â^'}_xSe_x. Journal of the Physical Society of Japan, 2020, 89, 064702.	0.7	3
41	Growth and Characterization of ROBiS₂ High-Entropy Superconducting Single Crystals. ACS Omega, 2020, 5, 16819-16825.	1.6	16
42	Selective metathesis synthesis of MgCr₂S₄ by control of thermodynamic driving forces. Materials Horizons, 2020, 7, 1310-1316.	6.4	27
43	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS2 Single Crystals. Frontiers in Chemistry, 2020, 8, 44.	1.8	14
44	Two-fold symmetry of in-plane magnetoresistance anisotropy in the superconducting states of BiCh₂-based LaO_{0.9}F_{0.1}BiSSe single crystal. Journal of Physics Communications, 2020, 4, 095028.	0.5	11
45	Synthesis and ionic conductivity of a high-entropy layered hydroxide. Journal of the Ceramic Society of Japan, 2020, 128, 336-339.	0.5	13
46	Microwave Fusion of the Composite LiMn1.6Ni0.4O4-LiFePO4 /C to Improve the Stability of Spinel Phase. ECS Meeting Abstracts, 2020, MA2020-01, 398-398.	0.0	0
47	Preparation of lithium ion conductive Li6PS5Cl solid electrolyte from solution for the fabrication of composite cathode of all-solid-state lithium battery. Journal of Sol-Gel Science and Technology, 2019, 89, 303-309.	1.1	46
48	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.	2.5	17
49	Enhanced superconductivity by Na doping in SnAs-based layered compound Na_{1+x}Sn_{2â^'x}As₂. Japanese Journal of Applied Physics, 2019, 58, 083001.	0.8	11
50	Catalytic Activity for Oxygen Reduction Reaction of Ni-Mn-Fe Layered Double Hydroxide-Carbon Gel Composite. Chemistry Letters, 2019, 48, 696-699.	0.7	4
51	Mg-Al layered double hydroxide as an electrolyte membrane for aqueous ammonia fuel cell. Materials Research Bulletin, 2019, 119, 110561.	2.7	11
52	An electronic structure governed by the displacement of the indium site in Inâ€“S₆ octahedra: LnOInS₂ (Ln = La, Ce, and Pr). Dalton Transactions, 2019, 48, 12272-12278.	1.6	8
53	Growth and characterization of (La,Ce)OBiS₂ single crystals. Japanese Journal of Applied Physics, 2019, 58, 063001.	0.8	5
54	Growth of Superconducting Sm(O,F)BiS₂ Single Crystals. Crystal Growth and Design, 2019, 19, 6136-6140.	1.4	7

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55	Hydrothermal synthesis of KTi₂(PO₄)₃, Î±-Ti(HPO₄)₂Â·H₂O and Î³-Ti(PO₄)(H₂PO₄)Â·2H₂O from a lepidocrocite-type titanate. Journal of Asian Ceramic Societies, 2019, 7, 361-367.	1.0	3
56	Pressure-induced superconductivity in the layered pnictogen diselenide NdO0.8F0.2Sb1â^'xBixSe2(x=0.3and0.7). Physical Review B, 2019, 100, .	1.1	3
57	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric Ag(Bi,Sb)Se₂ Solid Solution. Inorganic Chemistry, 2019, 58, 7628-7633.	1.9	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 PrOBiS2 single crystals. Solid State Communications, 2019, 296, 17-20.	0.9	5
60	Improvement of superconducting properties by high mixing entropy at blocking layers in BiS2-based superconductor REO0.5F0.5BiS2. Solid State Communications, 2019, 295, 43-49.	0.9	34
61	Composition, valence and oxygen reduction reaction activity of Mn-based layered double hydroxides. Journal of Asian Ceramic Societies, 2019, 7, 147-153.	1.0	10
62	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. Nature Reviews Chemistry, 2019, 3, 189-198.	13.8	238
63	Effect of Bi Substitution on Thermoelectric Properties of SbSe2-based Layered Compounds NdO0.8F0.2Sb1â^'xBixSe2. Journal of the Physical Society of Japan, 2019, 88, 024705.	0.7	5
64	Redox reactions of small organic molecules using ball milling and piezoelectric materials. Science, 2019, 366, 1500-1504.	6.0	305
65	Enhanced hydroxide ion conductivity of Mgâ€“Al layered double hydroxide at low humidity by intercalating dodecyl sulfate anion. Journal of the Ceramic Society of Japan, 2019, 127, 788-792.	0.5	7
66	Electrochemical performance of bulk-type all-solid-state batteries using small-sized Li7P3S11 solid electrolyte prepared by liquid phase as the ionic conductor in the composite cathode. Electrochimica Acta, 2019, 296, 473-480.	2.6	40
67	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.	0.9	5
68	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in BiS₂-Based REO_{0.5}F_{0.5}BiS₂ (RE = La, Ce, Pr, and Nd). Journal of the Physical Society of Japan, 2018, 87, 023704.	0.7	34
69	Crystal Structure and Superconductivity of Tetragonal and Monoclinic Ce_{1â€“x}Pr_xOBiS₂. Inorganic Chemistry, 2018, 57, 5364-5370.	1.9	14
70	Effect of Te substitution on crystal structure and transport properties of AgBiSe₂thermoelectric material. Dalton Transactions, 2018, 47, 2575-2580.	1.6	38
71	Preparation of sulfide solid electrolytes in the Li₂Sâ€“P₂S₅ system by a liquid phase process. Inorganic Chemistry Frontiers, 2018, 5, 501-508.	3.0	53
72	Float zone growth and spectroscopic properties of Yb:CaYAlO4 single crystal for ultra-short pulse lasers. Optical Materials, 2018, 80, 57-61.	1.7	1

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73	Synthesis, crystal structure and optical absorption of NaInS2-Se. Journal of Alloys and Compounds, 2018, 750, 409-413.	2.8	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.	1.9	51
75	Liquid-phase synthesis of Li6PS5Br using ultrasonication and application to cathode composite electrodes in all-solid-state batteries. Ceramics International, 2018, 44, 742-746.	2.3	75
76	Explosive Reaction for Barium Niobium Perovskite Oxynitride. Inorganic Chemistry, 2018, 57, 24-27.	1.9	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.	5.2	71
78	Synthesis of Bi₂(O,F)S₂ superconductors by NaF treatment. Journal of the Ceramic Society of Japan, 2018, 126, 591-593.	0.5	2
79	Reaction Mechanism of FePS₃ Electrodes in All-Solid-State Lithium Secondary Batteries Using Sulfide-Based Solid Electrolytes. Journal of the Electrochemical Society, 2018, 165, A2948-A2954.	1.3	10
80	Na1â^'xSn2P2 as a new member of van der Waals-type layered tin pnictide superconductors. Scientific Reports, 2018, 8, 12852.	1.6	22
81	Synthesis of submicron-sized NiPS₃ particles and electrochemical properties as active materials in all-solid-state lithium batteries. Journal of the Ceramic Society of Japan, 2018, 126, 568-572.	0.5	8
82	Oxygen vacancy-originated highly active electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 15102-15109.	5.2	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.	4.0	59
84	Synthesis, Crystal Structure, and Thermoelectric Properties of Layered Antimony Selenides REOSbSe2 (RE = La, Ce). Journal of the Physical Society of Japan, 2018, 87, 074703.	0.7	15
85	Hydrothermal Synthesis, Structure, and Superconductivity of Simple Cubic Perovskite (Ba_{0.62}K_{0.38})(Bi_{0.92}Mg_{0.08})O₃ with T_c â^¼ 30 K. Inorganic Chemistry, 2017, 56, 3174-3181.	1.9	26
86	FePS3 electrodes in all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. Electrochimica Acta, 2017, 241, 370-374.	2.6	37
87	A layered wide-gap oxyhalide semiconductor with an infinite ZnO2 square planar sheet: Sr2ZnO2Cl2. Chemical Communications, 2017, 53, 3826-3829.	2.2	13
88	Effect of the binder content on the electrochemical performance of composite cathode using Li6PS5Cl precursor solution in an all-solid-state lithium battery. Ionics, 2017, 23, 1619-1624.	1.2	52
89	Bi Substitution Effects on Superconductivity of Valence-Skip Superconductor AgSnSe₂. Journal of the Physical Society of Japan, 2017, 86, 054711.	0.7	3
90	Synthesis, structure and photocatalytic activity of layered LaOInS₂. Journal of Materials Chemistry A, 2017, 5, 14270-14277.	5.2	30

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91	Intrinsic Phase Diagram of Superconductivity in the BiCh₂-Based System Without In-Plane Disorder. Journal of the Physical Society of Japan, 2017, 86, 074701.	0.7	35
92	Instantaneous preparation of high lithium-ion conducting sulfide solid electrolyte Li₇P₃S₁₁ by a liquid phase process. RSC Advances, 2017, 7, 46499-46504.	1.7	79
93	Crystal structure, site selectivity, and electronic structure of layered chalcogenide LaOBiPbS ₃. Europhysics Letters, 2017, 119, 26002.	0.7	20
94	Prediction of Ternary Liquidus Temperatures by Statistical Modeling of Binary and Ternary Agâ€“Alâ€“Snâ€“Zn Systems. ACS Omega, 2017, 2, 5271-5282.	1.6	0
95	Synthesis of LaO_{0.5}F_{0.5}BiS₂ nanosheets by ultrasonification. Journal of Asian Ceramic Societies, 2017, 5, 183-185.	1.0	2
96	Synthesis of rutile-type solid solution Ni_{1â^'x}Co_xTi(Nb_{1â^'y}Ta_y)₂O₈ (0Ââ‰Âx â‰Â1, 0Ââ‰ÂyÂâ‰Â1) and its optical property. Journal of Asian Ceramic Societies, 2017, 5, 284-289.	1.0	14
97	Synthesis, Crystal Structure, and Physical Properties of New Layered Oxychalcogenide La₂O₂Bi₃AgS₆. Journal of the Physical Society of Japan, 2017, 86, 124802.	0.7	18
98	Deposition and Analysis of Alâ€Rich câ€Al_xTi_{1â^'x}N Coating with Preferred Orientation. Journal of the American Ceramic Society, 2017, 100, 343-353.	1.9	28
99	Effect of Sintering Additives on Relative Density and Liâ€ion Conductivity of Nbâ€Doped Li₇La₃ZrO₁₂ Solid Electrolyte. Journal of the American Ceramic Society, 2017, 100, 276-285.	1.9	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.	1.4	7
101	Optimization of Al2O3 and Li3BO3 Content as Sintering Additives of Li7â^'x La2.95Ca0.05ZrTaO12 at Low Temperature. Journal of Electronic Materials, 2017, 46, 497-501.	1.0	34
102	Thermal stability and cutting performance of Al-rich cubic Al<i>_x</i>Ti_{1â^'}<i>_x</i>N coating prepared by low-pressure chemical vapour deposition. Journal of the Ceramic Society of Japan, 2017, 125, 913-918.	0.5	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.	0.5	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.	0.5	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.	0.3	6
106	Valence of praseodymium in superconducting Pr(O,F)BiS2single crystals. Applied Physics Express, 2016, 9, 063101.	1.1	8
107	NitrogenâEŘich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. Angewandte Chemie, 2016, 128, 8095-8099.	1.6	8
108	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS_{2â^'}_xSe_x. Journal of Applied Physics, 2016, 119, 155103.	1.1	29

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109	Adsorption Behavior of Rare Earth Metal Cations in the Interlayer Space of Î³-ZrP. Langmuir, 2016, 32, 9993-9999.	1.6	5
110	Superconductivity in CeOBiS2 with cerium valence fluctuation. Solid State Communications, 2016, 245, 11-14.	0.9	31
111	Development of All-solid-state Lithium Secondary Batteries Using NiPS₃ Electrode and Li₂S-P₂S₅ Solid Electrolyte. Chemistry Letters, 2016, 45, 652-654.	0.7	13
112	Discovery of the Pt-Based Superconductor LaPt₅As. Journal of the American Chemical Society, 2016, 138, 9927-9934.	6.6	11
113	Correction to Structure, Superconductivity, and Magnetism of Ce(O,F)BiS₂ Single Crystals. Crystal Growth and Design, 2016, 16, 2459-2459.	1.4	0
114	High-Pressure Polymorph of NaBiO₃. Inorganic Chemistry, 2016, 55, 5747-5749.	1.9	7
115	Topotactic transformation of Ni-based layered double hydroxide film to layered metal oxide and hydroxide. Applied Clay Science, 2016, 124-125, 236-242.	2.6	4
116	Nitrogenâ€Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2016, 55, 7963-7967.	7.2	52
117	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. Chemistry of Materials, 2016, 28, 459-465.	3.2	54
118	Structures and optical absorption of Bi2OS2 and LaOBiS2. Solid State Communications, 2016, 227, 19-22.	0.9	35
119	Preparation of Li7La3(Zr2â^',Nb)O12 (x= 0â€“1.5) and Li3BO3/LiBO2 composites at low temperatures using a solâ€“gel process. Solid State Ionics, 2016, 285, 6-12.	1.3	65
120	Uniaxial Chemical Pressure and Disorder Effects on Magnetic and Dielectric Properties of Î²â€²-(BEDT-TTF)₂(ICl₂)_{1â^'}_x(AuCl₂)_x. Journal of the Physical Society of Japan, 2015, 84, 033709.	1.7	0
121	Preparation and phase transformation of Ag or Bi ion-exchanged layered niobate perovskite and their photocatalytic properties. Journal of the Ceramic Society of Japan, 2015, 123, 690-694.	0.5	7
122	In-plane chemical pressure essential for superconductivity in BiCh2-based (Ch: S, Se) layered structure. Scientific Reports, 2015, 5, 14968.	1.6	104
123	Hydrothermal synthesis and crystal structure analysis of two new cadmium bismuthates, CdBi₂O₆ and Cd_{0.37}Bi_{0.63}O_{1.79}. Journal of Asian Ceramic Societies, 2015, 3, 251-254.	1.0	18
124	Alkaline earth metal doped tin oxide as a novel oxygen storage material. Materials Research Bulletin, 2015, 69, 116-119.	2.7	15
125	Study on the Effect of Pt Intercalation into Layered Niobate Perovskite for Photocatalytic Behavior. Langmuir, 2015, 31, 7660-7665.	1.6	11
126	Octahedral and trigonal-prismatic coordination preferences in Nb-, Mo-, Ta-, and W-based ABX2 layered oxides, oxynitrides, and nitrides. Journal of Solid State Chemistry, 2015, 229, 272-277.	1.4	17

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127	Hydrothermal synthesis of a new Bi-based (Ba0.82K0.18)(Bi0.53Pb0.47)O3 superconductor. Journal of Alloys and Compounds, 2015, 634, 208-214.	2.8	38
128	Development of Alkaline Fuel Cells Using Hydroxide-Ion Conductive Layered Double Hydroxides. ECS Transactions, 2015, 69, 385-389.	0.3	5
129	C-axis electrical resistivity of PrO_{1â^'}_aF_aBiS₂single crystals. Japanese Journal of Applied Physics, 2015, 54, 083101.	0.8	22
130	Structural Difference in Superconductive and Nonsuperconductive Biâ€“S Planes within Bi4O4Bi2S4 Blocks. Inorganic Chemistry, 2015, 54, 10462-10467.	1.9	10
131	Structure, Superconductivity, and Magnetism of Ce(O,F)BiS2 Single Crystals. Crystal Growth and Design, 2015, 15, 39-44.	1.4	32
132	Growth of Cu(In,Ga)S 2 single crystals using CsCl flux. Journal of Crystal Growth, 2015, 412, 16-19.	0.7	2
133	Photocatalytic Activities of Layered Niobate Perovskite (A'An^|^minus;1NbnO3n+1, A: Ca, La) with Substitution of Ti and W for Nb. Journal of Ion Exchange, 2014, 25, 242-247.	0.1	2
134	Synthesis of Cu₃N from CuO and NaNH₂. Journal of Asian Ceramic Societies, 2014, 2, 326-328.	1.0	32
135	Crystal structures and ferromagnetism of FexWN2 (xâ^¼0.74, 0.90) with defective iron triangular lattice. Journal of Alloys and Compounds, 2014, 593, 154-157.	2.8	7
136	Superconducting Double Perovskite Bismuth Oxide Prepared by a Lowâ€Temperature Hydrothermal Reaction. Angewandte Chemie - International Edition, 2014, 53, 3599-3603.	7.2	61
137	Anodic hybridization of fluorinated layered perovskite nanosheet with polyaniline for electrochemical capacitor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 459, 186-193.	2.3	11
138	Single-crystalline porous NiO nanosheets prepared from Î²-Ni(OH)2 nanosheets: Magnetic property and photocatalytic activity. Applied Catalysis B: Environmental, 2014, 147, 741-747.	10.8	65
139	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.	1.0	10
140	Crystal structures of LaO1â^'xFxBiS2 (x~0.23, 0.46): Effect of F doping on distortion of Biâ€“S plane. Journal of Solid State Chemistry, 2014, 212, 213-217.	1.4	58
141	Crystal structures of a pentavalent bismuthate, SrBi₂O₆ and a lead bismuth oxide (Pb_{1/3}Bi_{2/3})O_{1.4}. Journal of Asian Ceramic Societies, 2014, 2, 150-153.	1.0	18
142	Growth and superconducting properties of F-substituted ROBiS2 (R=La, Ce, Nd) single crystals. Solid State Communications, 2014, 178, 33-36.	0.9	83
143	Molten salt synthesis of spinel-type LiTi₂O₄. Journal of the Ceramic Society of Japan, 2014, 122, 307-309.	0.5	3
144	Preparation and photocatalytic properties of new calcium and lead bismuthates. Journal of the Ceramic Society of Japan, 2014, 122, 509-512.	0.5	18

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145	Effect of Polytetrafluoroethylene additive on low-temperature synthesis of InN crystals via reaction of LiInO₂ and NaNH₂. Journal of the Ceramic Society of Japan, 2014, 122, 86-88.	0.5	4
146	Soft-chemical treatment of transition-metal-containing layered double hydroxides and their application in porous materials. Journal of Porous Materials, 2013, 20, 777-783.	1.3	5
147	Bonding Preference of Carbon, Nitrogen, and Oxygen in Niobium-Based Rock-Salt Structures. Inorganic Chemistry, 2013, 52, 9699-9701.	1.9	13
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