

# Junji Akimoto

## List of Publications by Year in descending order

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184  
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33  
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123424

61  
g-index

199  
all docs

199  
docs citations

199  
times ranked

4523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and structure analysis of tetragonal $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ with the garnet-related type structure. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2046-2052.	2.9	658
2	Crystal Structure of Fast Lithium-ion-conducting Cubic $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ . <i>Chemistry Letters</i> , 2011, 40, 60-62.	1.3	336
3	$\text{AlMepO}_4$ : A Novel Open-Framework Aluminum Methylphosphonate with Organo-Lined Unidimensional Channels. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1199-1201.	4.4	166
4	Crystal growth and structure refinement of monoclinic $\text{Li}_2\text{TiO}_3$ . <i>Materials Research Bulletin</i> , 2009, 44, 168-172.	5.2	146
5	Topotactic Oxidation of Ramsdellite-Type $\text{Li}_0.5\text{TiO}_2$ , a New Polymorph of Titanium Dioxide: $\text{TiO}_2(\text{R})$ . <i>Journal of Solid State Chemistry</i> , 1994, 113, 27-36.	2.9	107
6	Lithium-ion conducting oxide single crystal as solid electrolyte for advanced lithium battery application. <i>Scientific Reports</i> , 2018, 8, 9965.	3.3	93
7	Structure of aluminium methylphosphonate, $\text{AlMepO}_4$ , with unidimensional channels formed from ladder-like organic-inorganic polymer chains. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1033-1034.	2.0	91
8	Structure and electron density analysis of electrochemically and chemically delithiated $\text{LiCoO}_2$ single crystals. <i>Journal of Solid State Chemistry</i> , 2007, 180, 313-321.	2.9	90
9	Synthesis and electrochemical characterization of Fe and Ni substituted $\text{Li}_2\text{MnO}_3$ —An effective means to use Fe for constructing “Co-free” $\text{Li}_2\text{MnO}_3$ based positive electrode material. <i>Journal of Power Sources</i> , 2011, 196, 3611-3622.	7.8	81
10	Single-crystal growth, crystal and electronic structure of $\text{NaCoO}_2$ . <i>Journal of Solid State Chemistry</i> , 2003, 172, 22-26.	2.9	72
11	Synthesis, structure, and electrochemical Li-ion intercalation properties of $\text{Li}_2\text{Ti}_3\text{O}_7$ with $\text{Na}_2\text{Ti}_3\text{O}_7$ -type layered structure. <i>Solid State Ionics</i> , 2008, 178, 1725-1730.	2.7	71
12	Neutron powder diffraction study of tetragonal $\text{Li}_7\text{La}_3\text{Hf}_2\text{O}_{12}$ with the garnet-related type structure. <i>Journal of Solid State Chemistry</i> , 2010, 183, 180-185.	2.9	70
13	Single Crystal X-ray Diffraction Study of the Spinel-type $\text{LiMn}_2\text{O}_4$ . <i>Chemistry of Materials</i> , 2000, 12, 3246-3248.	6.7	69
14	Single crystal growth and structure refinement of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ . <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1454-1456.	4.0	61
15	Synthesis and crystallographic studies of garnet-related lithium-ion conductors $\text{Li}_6\text{CaLa}_2\text{Ta}_2\text{O}_{12}$ and $\text{Li}_6\text{BaLa}_2\text{Ta}_2\text{O}_{12}$ . <i>Solid State Ionics</i> , 2009, 180, 602-606.	2.7	60
16	Three Types of Ternary Selenides with Layered Composite Crystal Structures Formed in the Pb-Nb-Se System. <i>Japanese Journal of Applied Physics</i> , 1992, 31, L1096-L1099.	1.5	57
17	Anisotropic Electrical Conductivity in $\text{LiCoO}_2$ Single Crystal. <i>Journal of Solid State Chemistry</i> , 2002, 164, 1-4.	2.9	57
18	Lithium ion insertion and extraction reactions with Hollandite-type manganese dioxide free from any stabilizing cations in its tunnel cavity. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2741-2750.	2.9	52

#	ARTICLE	IF	CITATIONS
19	Ion-Exchange Synthesis, Crystal Structure, and Electrochemical Properties of $\text{Li}_{2-x}\text{Ti}_6\text{O}_{13}$ . <i>Chemistry of Materials</i> , 2011, 23, 2344-2352.	6.7	51
20	Soft-Chemical Synthesis and Electrochemical Property of $\text{H}_2\text{Ti}_2\text{O}_7$ as a Negative Electrode Material for Rechargeable Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2011, 158, A546.	2.9	49
21	Single-crystal synthesis, structure refinement and electrical properties of $\text{Li}_{0.5}\text{CoO}_2$ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 436202.	1.8	47
22	Synthesis, crystal structure and conductive properties of garnet-type lithium ion conductor Al-free $\text{Li}_{7-x}\text{La}_3\text{Zr}_2\text{O}_{24}$ ( $0 \leq x \leq 0.6$ ). <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 678-683.	2.7	47
23	A single-crystal study of the electrochemically Li-ion intercalated spinel-type $\text{Li}_4\text{Ti}_5\text{O}_{12}$ . <i>Solid State Ionics</i> , 2009, 180, 631-635.	2.7	46
24	Microwave synthesis, characterization, and electrochemical properties of $\text{Fe}_2\text{O}_3$ nanoparticles. <i>Solid State Ionics</i> , 2011, 192, 293-297.	2.7	43
25	Synthesis and crystal structure of $\text{NaTi}_2\text{O}_4$ : A new mixed-valence sodium titanate. <i>Journal of Solid State Chemistry</i> , 1989, 79, 212-217.	2.9	41
26	Synthesis of high-capacity Ti- and/or Fe-substituted $\text{Li}_2\text{MnO}_3$ positive electrode materials with high initial cycle efficiency by application of the carbothermal reduction method. <i>Journal of Power Sources</i> , 2013, 221, 427-434.	7.8	41
27	Diffusion coefficient of lithium ions in garnet-type $\text{Li}_{6.5}\text{La}_3\text{Zr}_{1.5}\text{Ta}_{0.5}\text{O}_{12}$ single crystal probed by $^7\text{Li}$ pulsed field gradient-NMR spectroscopy. <i>Solid State Ionics</i> , 2018, 327, 18-26.	2.7	41
28	Characterization of the amorphous state in metamict silicates and niobates by EXAFS and XANES analyses. <i>Physics and Chemistry of Minerals</i> , 1987, 15, 113-124.	0.8	37
29	Preparation of $\text{LiTi}_2\text{O}_4$ single crystals with the spinel structure. <i>Journal of Solid State Chemistry</i> , 1992, 96, 446-450.	2.9	37
30	High pressure synthesis and characterization of single crystals of $\text{CuBa}_2\text{Ca}_3\text{Cu}_4\text{O}_y$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 298, 209-216.	1.2	37
31	Electrochemical Studies of Li-Ion Extraction and Insertion of $\text{LiMn}_2\text{O}_4$ Single Crystal. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, A151.	2.2	36
32	Single-Crystal Synthesis and Structure Refinement of $\text{Na}_{0.44}\text{MnO}_2$ . <i>Solid State Phenomena</i> , 0, 170, 198-202.	0.3	36
33	Ion-Exchange Synthesis, Crystal Structure, and Physical Properties of Hydrogen Titanium Oxide $\text{H}_2\text{Ti}_3\text{O}_7$ . <i>Inorganic Chemistry</i> , 2013, 52, 13861-13864.	4.0	35
34	Crystal chemistry of $\text{CuBa}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_y$ ( $n = 4, 5, 6$ ) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 279, 181-196.	1.2	33
35	Morphology control and electrochemical properties of $\text{LiFePO}_4/\text{C}$ composite cathode for lithium ion batteries. <i>Solid State Ionics</i> , 2012, 225, 560-563.	2.7	31
36	Synthesis and Crystal Structure of Ramsdellite-Type $\text{Li}_0.5\text{TiO}_2$ . <i>Journal of Solid State Chemistry</i> , 1994, 110, 150-155.	2.9	30

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37	High-pressure synthesis and crystal structure analysis of NaMn <sub>2</sub> O <sub>4</sub> with the calcium ferrite-type structure. Journal of Solid State Chemistry, 2006, 179, 169-174.	2.9	30
38	Lithium-ion conductivity and crystal structure of garnet-type solid electrolyte Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> Al <sub>3</sub> O <sub>12</sub> using single-crystal. Journal of the Ceramic Society of Japan, 2019, 127, 521-526.	1.5	25
39	The Layered Composite Crystal Structure of the Ternary Sulfide (BiS) <sub>1.11</sub> NbS <sub>2</sub> . Journal of Solid State Chemistry, 1995, 116, 61-67.	2.9	29
40	High Ionic Conductor Member of Garnet-type Oxide Li <sub>6.5</sub> La <sub>3</sub> Zr <sub>1.5</sub> Ta <sub>0.5</sub> O <sub>12</sub> . ChemElectroChem, 2018, 5, 2551-2557.	3.4	26
41	A large tunnel structure of triclinic Na <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> . Journal of Solid State Chemistry, 1989, 83, 132-139.	2.9	25
42	Single crystal growth of the spinel-type LiMn <sub>2</sub> O <sub>4</sub> . Journal of Crystal Growth, 2001, 229, 405-408.	1.5	25
43	Single-crystal X-ray structure analysis of the low temperature form of LiMn <sub>2</sub> O <sub>4</sub> . Solid State Ionics, 2004, 172, 491-494.	2.7	25
44	Lithium insertion and extraction properties of hollandite-type K <sub>x</sub> TiO <sub>2</sub> with different K content in the tunnel space. Solid State Ionics, 2013, 243, 22-29.	2.7	25
45	A novel soft-chemical synthetic route using Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> as a starting compound and electrochemical properties of H <sub>2</sub> Ti <sub>12</sub> O <sub>25</sub> . Journal of Power Sources, 2013, 244, 679-683.	7.8	25
46	Single Crystal Synthesis of Cubic Garnet Related-Type Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> by a Self-Flux Method. Key Engineering Materials, 0, 485, 99-102.	0.4	24
47	Synthesis and lithium ion insertion/extraction properties of hollandite-type MnO <sub>2</sub> prepared by acid digestion of Mn <sub>2</sub> O <sub>3</sub> . Solid State Ionics, 2009, 180, 616-620.	2.7	23
48	Toward understanding the anomalous Li diffusion in inorganic solid electrolytes by studying a single-crystal garnet of LLZO-Ta by pulsed-gradient spin-echo nuclear magnetic resonance spectroscopy. Journal of Chemical Physics, 2019, 150, 194502.	3.0	23
49	Crystal structure analysis of Cu <sub>0.6</sub> Ba <sub>2</sub> Ca <sub>3</sub> Cu <sub>4</sub> O <sub>10.8</sub> by single-crystal X-ray diffraction method. Physica C: Superconductivity and Its Applications, 1995, 242, 360-364.	1.2	22
50	Synthesis and Electrochemical Properties of Li <sub>0.44</sub> MnO <sub>2</sub> as a Novel 4V Cathode Material. Electrochemical and Solid-State Letters, 2005, 8, A554.	2.2	22
51	The Layered Composite Crystal Structure of the Ternary Sulfide, (BiS) <sub>1.07</sub> Ta <sub>2</sub> BiTa <sub>3</sub> . Japanese Journal of Applied Physics, 1992, 31, 3946-3950.	1.5	21
52	Synthesis, Crystal Structure, and Magnetic Property of Delithiated Li <sub>x</sub> MnO <sub>2</sub> (x < 0.1) Single Crystals: A Novel Disordered Rocksalt-Type Manganese Dioxide. Chemistry of Materials, 2003, 15, 2984-2990.	6.7	21
53	In Situ Raman Scattering Measurements of a LiMn <sub>2</sub> O <sub>4</sub> Single Crystal Microelectrode. Electrochemical and Solid-State Letters, 2005, 8, A521.	2.2	21
54	Relationship between Li <sup>+</sup> diffusion and ion conduction for single-crystal and powder garnet-type electrolytes studied by <sup>7</sup> Li PGSE NMR spectroscopy. Physical Chemistry Chemical Physics, 2019, 21, 23589-23597.	2.8	21

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55	Synthesis, Structural Change upon Heating, and Electronic Structure of Ramsdellite-Type TiO <sub>2</sub> . <i>Chemistry of Materials</i> , 2006, 18, 748-752.	6.7	20
56	Preparation and characterization of Bi-containing ternary chalcogenides with layered composite crystal structure. <i>Journal of Alloys and Compounds</i> , 1991, 176, 319-327.	5.5	18
57	Structure and electron density analysis of oxide spinel LiTi <sub>2</sub> O <sub>4</sub> . <i>Journal of Physics and Chemistry of Solids</i> , 2002, 63, 987-990.	4.0	18
58	Synthesis and electrochemical properties of a porous titania fabricated from exfoliated nanosheets. <i>Journal of Power Sources</i> , 2011, 196, 7006-7010.	7.8	18
59	Synthesis, crystal structure, and electrochemical properties of hollandite-type K <sub>0.008</sub> TiO <sub>2</sub> . <i>Solid State Ionics</i> , 2012, 225, 502-505.	2.7	18
60	Single-crystal synthesis and structure refinement of Li <sub>2</sub> MoO <sub>3</sub> . <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1518-1520.	4.0	17
61	Synthesis and Crystal Structure of Ba <sub>2</sub> Ti <sub>13</sub> O <sub>22</sub> : A Reduced Form of BaTi <sub>5</sub> O <sub>11</sub> by the Titanium Insertion. <i>Journal of Solid State Chemistry</i> , 1994, 113, 384-392.	2.9	16
62	AlMepO <sub>4</sub> · $\frac{1}{2}$ H <sub>2</sub> O, ein Aluminiummethylposphonat mit offener Ger $\frac{1}{4}$ ststruktur und eindimensionalen, von organischen Gruppen eingef $\ddot{u}$ hrten Kan $\ddot{a}$ len. <i>Angewandte Chemie</i> , 1995, 107, 1313-1315.	2.0	16
63	Crystal Growth of Spinel-Type LiM <sub>x</sub> Mn <sub>2-x</sub> O <sub>4</sub> (M = Cr, Co, Ni) in High-Temperature Molten Chlorides. <i>Crystal Growth and Design</i> , 2003, 3, 627-629.	3.0	16
64	Structure and Electron Density Analysis of Lithium Manganese Oxides by Single-crystal X-ray Diffraction. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 1483-1490.	1.6	16
65	Structural and electrochemical properties of Li <sub>0.44+x</sub> Mn <sub>1-y</sub> Ti <sub>y</sub> O <sub>2</sub> as a novel 4V positive electrode material. <i>Journal of Power Sources</i> , 2007, 174, 1218-1223.	7.8	16
66	Na <sub>1.7</sub> Ti <sub>6</sub> O <sub>11</sub> : A new mixed-valence nonstoichiometric sodium titanate with a tunnel structure. <i>Journal of Solid State Chemistry</i> , 1990, 85, 8-14.	2.9	15
67	Growth and structure analysis of nonstoichiometric single crystal Na <sub>x</sub> TiO <sub>2</sub> (x $\hat{=}$ 0.5) with the $\hat{I}$ -NaFeO <sub>2</sub> -type structure. <i>Journal of Solid State Chemistry</i> , 1990, 85, 31-37.	2.9	15
68	Synthesis and crystal structure of NaTi <sub>8</sub> O <sub>13</sub> . <i>Journal of Solid State Chemistry</i> , 1991, 90, 147-154.	2.9	15
69	Structure and electron density analysis of Na <sub>0.74</sub> CoO <sub>2</sub> by single-crystal X-ray diffraction. <i>Solid State Ionics</i> , 2004, 172, 505-508.	2.7	15
70	A Low-Temperature Synthetic Route and Electrochemical Properties of Micrometer-Sized LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Single Crystals. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A203.	2.2	15
71	Synthesis and electrochemical sodium and lithium insertion properties of sodium titanium oxide with the tunnel type structure. <i>Journal of Power Sources</i> , 2016, 305, 151-155.	7.8	15
72	Characterization and Electrochemical Property of $\hat{I}$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Prepared by Microwave Heating. <i>Chemistry Letters</i> , 2007, 36, 568-569.	1.3	14

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73	Electrochemical properties of transition metal substituted calcium ferrite-type $\text{Li}_x(\text{M}_{0.1}\text{Mn}_{0.9})_2\text{O}_4$ ( $\text{M}=\text{Ni}, \text{Ti}$ ). <i>Journal of Power Sources</i> , 2013, 244, 561-564.	7.8	14
74	Lithium ionic conductivities of $\text{LiBO}_2$ with two-dimensional Li-Li networks and $\text{Li}_3\text{BO}_2$ with three-dimensional ones synthesized under high pressure. <i>Journal of Solid State Chemistry</i> , 2019, 274, 100-104.	2.9	14
75	Single Crystal Growth and Structural Chemistry of $\text{Li}_{1-z}\text{Ni}_z\text{O}_2$ with $z=0.075$ . <i>Journal of Solid State Chemistry</i> , 2001, 160, 178-183.	2.9	13
76	Structural stability of the Li-ion conductor $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ investigated by high-pressure in-situ X-ray diffraction and Raman spectroscopy. <i>Materials Research Bulletin</i> , 2018, 107, 361-365.	5.2	13
77	Structural and Li-ion diffusion properties of lithium tantalum phosphate $\text{LiTa}_2\text{PO}_8$ . <i>Solid State Ionics</i> , 2020, 351, 115314.	2.7	13
78	A high rate performance positive composite electrode using a high P/S ratio and $\text{LiI}$ composite solid electrolyte for an all-solid-state $\text{Li}^+\text{S}$ battery. <i>Journal of Power Sources</i> , 2020, 453, 227905.	7.8	13
79	Preparation and Characterization of New Sb-Containing Ternary Sulfides with Layered Composite Crystal Structure. <i>Japanese Journal of Applied Physics</i> , 1991, 30, L1039-L1041.	1.5	12
80	The Layered Composite Crystal Structure of the Ternary Sulfide, $(\text{SnS})_{1.15}\text{TaS}_2$ . <i>Japanese Journal of Applied Physics</i> , 1993, 32, 760.	1.5	12
81	Direct Observation of the Bulk Degradation of $\text{Li}_{1.1}\text{Mn}_{1.9}\text{O}_4$ Single Crystals after High-Temperature Storage. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, A361.	2.2	12
82	Single Crystal Growth of $\text{CaMn}_2\text{O}_4$ and $\text{CaMn}_3\text{O}_6$ in Molten $\text{CaCl}_2$ . <i>Chemistry Letters</i> , 2008, 37, 978-979.	1.3	12
83	All-oxide solid-state lithium-ion battery employing $50\text{Li}_2\text{SO}_4\text{-}50\text{Li}_2\text{CO}_3$ glass electrolyte. <i>Journal of Power Sources</i> , 2021, 491, 229620.	7.8	12
84	Excellent Deformable Oxide Glass Electrolytes and Oxide-Type All-Solid-State $\text{Li}_2\text{S-Si}$ Batteries Employing These Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35785-35794.	8.0	12
85	Synthesis, characterization, and electrochemical properties of a thin flake titania fabricated from exfoliated nanosheets. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1447-1449.	4.0	11
86	Electrical Conductivities of $\text{Na}_{0.44}\text{Mn}_{1-x}\text{Ti}_x\text{O}_2$ . <i>Electrochemical and Solid-State Letters</i> , 2009, 12, F35.	2.2	11
87	Synthesis and structure analysis of a new sodium iron titanate $\text{Na}_{2+x}\text{Fe}_x\text{Ti}_4\text{O}_9$ with $x=0.65$ . <i>Solid State Ionics</i> , 2004, 172, 495-497.	2.7	10
88	Microwave Synthesis and Electrochemical Properties of Ultrafine $\text{SnO}_2$ Nanoparticles. <i>Chemistry Letters</i> , 2011, 40, 414-416.	1.3	10
89	Synthesis, crystal structure, and electrochemical properties of hollandite-type $\text{K Ti}_{1-x}\text{Mn}_x\text{O}_2$ . <i>Solid State Ionics</i> , 2014, 262, 14-17.	2.7	10
90	Quantitative analysis of cation mixing and local valence states in $\text{LiNi}_x\text{Mn}_{2-x}\text{O}_4$ using concurrent HARECXs and HARECES measurements. <i>Microscopy (Oxford, England)</i> , 2016, 65, 253-262.	1.5	10

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91	Large single-crystal growth of tetragonal garnet-type $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ by melting method. <i>Solid State Ionics</i> , 2020, 349, 115312.	2.7	10
92	Preparation, Characterization, and Intercalation of $(\text{PbS})(\text{TS}_2)_2$ ; (T = Ti, Nb, Ta), New Ternary Sulfides with Layered Composite Crystal Structure. <i>Chemistry Letters</i> , 1990, 19, 2057-2060.	1.3	9
93	Crystal structure of $\text{Na}_x\text{Ti}_2\text{O}_4$ with $0.50 \leq x \leq 0.57$ . <i>Journal of Solid State Chemistry</i> , 1991, 90, 92-101.	2.9	9
94	Syntheses and crystal structures of two $\alpha$ -organozeolites. <i>Studies in Surface Science and Catalysis</i> , 1997, 105, 197-204.	1.5	9
95	X-ray absorption spectroscopic analysis of $\text{Cu}_2\text{S}_4$ . <i>Journal of Alloys and Compounds</i> , 2009, 480, 120-122.	5.5	9
96	Structural and electrochemical properties of hydrogen titanium oxides. <i>Solid State Ionics</i> , 2013, 252, 109-115.	2.7	9
97	Soft chemical synthesis and crystal structure of novel hydrogen titanium oxide $\text{H}_{2.2}\text{Ti}_{12}\text{O}_{25}$ . <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 710-713.	1.1	9
98	Synthesis and crystal structure of fluorite-type $\text{La}_{2.4}\text{Zr}_{1.2}\text{Ta}_{0.4}\text{O}_7$ : A precursor oxide for low temperature formation of garnet-type $\text{Li}_{6.5}\text{La}_3\text{Zr}_{1.5}\text{Ta}_{0.5}\text{O}_{12}$ . <i>Solid State Ionics</i> , 2020, 357, 115460.	2.7	9
99	BEDT-TTF derivatives with one and two dioxane rings and their conductive salts. <i>Synthetic Metals</i> , 1999, 102, 1630-1631.	3.9	8
100	Single-crystal synthesis, structure analysis, and physical properties of the calcium ferrite-type $\text{Na}_x\text{Ti}_2\text{O}_4$ with $0.558 < x < 1$ . <i>Journal of Solid State Chemistry</i> , 2007, 180, 1020-1027.	2.9	8
101	High areal capacity $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ positive composite electrode employing an oxide solid electrolyte for an all-solid-state lithium-ion battery. <i>Solid State Ionics</i> , 2022, 379, 115905.	2.7	8
102	Preparation, characterization and intercalation of ternary selenides with layered composite crystal structures formed in the Pb-Nb-Se system. <i>Solid State Ionics</i> , 1994, 67, 287-294.	2.7	7
103	Crystal structure of $3\text{R-Ta}_{1.08}\text{S}_2$ . <i>Journal of Alloys and Compounds</i> , 1998, 270, 115-118.	5.5	7
104	Single-crystal synthesis and structure refinement of the $\text{LiCoO}_2$ - $\text{LiAlO}_2$ solid-solution compounds: $\text{LiAl}_{0.32}\text{Co}_{0.68}\text{O}_2$ and $\text{LiAl}_{0.71}\text{Co}_{0.29}\text{O}_2$ . <i>Journal of Solid State Chemistry</i> , 2005, 178, 3667-3671.	2.9	7
105	Crystal growth and structural properties of the spinel-type $\text{Li}_{1+x}\text{Mn}_2\text{O}_4$ ( $x=0.10, 0.14$ ). <i>Solid State Ionics</i> , 2006, 177, 691-695.	2.7	7
106	Growth of Flexible and Transparent Thin-Film-Like $\text{LiCoO}_2$ Crystals in High-Temperature Molten Chlorides. <i>Crystal Growth and Design</i> , 2007, 7, 2491-2494.	3.0	7
107	Electrochemical Properties of $\text{Fe}_2\text{O}_3/\text{Ga}_2\text{O}_3$ Composite Electrodes for Lithium-Ion Batteries. <i>Key Engineering Materials</i> , 0, 566, 119-122.	0.4	7
108	Ion-exchange synthesis and improved Li insertion property of lithiated $\text{H}_{2.2}\text{Ti}_{12}\text{O}_{25}$ as a negative electrode material for lithium-ion batteries. <i>Journal of Asian Ceramic Societies</i> , 2016, 4, 75-80.	2.3	7

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109	Li-ion conductivity and crystal structure of garnet-type $\text{Li}_{6.5}\text{La}_3\text{M}_{1.5}\text{Ta}_{0.5}\text{O}_{12}$ ( $\text{M} = \text{Hf, Sn}$ ) oxides. Journal of the Ceramic Society of Japan, 2017, 125, 272-275.		
110	Ionic Conductivity of Low-Crystalline $\text{Li}_4\text{P}_2\text{S}_6$ and $\text{Li}_4\text{P}_2\text{S}_6\text{-LiX}$ ( $\text{X} = \text{Cl, Br, and I}$ ) Systems and Their Role in Improved Positive Electrode Performance in All-Solid-State LiS Battery. ChemistrySelect, 2020, 5, 9926-9931.	1.5	7
111	Orthorhombic Crystal System for a Garnet-type Lithium-Ion Conductor. Inorganic Chemistry, 2020, 59, 14376-14381.	4.0	7
112	Room temperature synthesis and phase transformation of lithium phosphate $\text{Li}_3\text{PO}_4$ as solid electrolyte. Journal of Asian Ceramic Societies, 2021, 9, 452-458.	2.3	7
113	Structural Change and Morphological Surface Degradation upon Electrochemical Li Extraction from a Single Crystal of Spinel-type $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ . Crystal Growth and Design, 2020, 20, 4533-4539.	3.0	7
114	Crystal structure and superconductivity in $(\text{Cu,Hg})\text{Ba}_2\text{Ca}_4\text{Cu}_5\text{O}_y$ . Physica C: Superconductivity and Its Applications, 1997, 281, 237-243.	1.2	6
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