

Junji Akimoto

List of Publications by Year in descending order

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184
papers

4,553
citations

145106

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all docs

199
docs citations

199
times ranked

5155
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature Operation of Lithium Sulfide Positive and Silicon Negative Composite Electrodes Employing Oxide Solid Electrolytes for All-solid-state Battery. <i>Electrochemistry</i> , 2022, 90, 017006-017006.	0.6	5
2	High areal capacity LiNi _{1/3} Co _{1/3} Mn _{1/3} 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.	1.3	8
3	Discovery of the Li ⁺ Sr ²⁺ La ³⁺ Zr ⁴⁺ O Compound and the Investigation of Its Lithium-Ion Conductivity. <i>Inorganic Chemistry</i> , 2022, 61, 7835-7840.	1.9	2
4	Hybrid oxide solid electrolyte of crystalline garnet and highly deformable glass for all-solid-state lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 539, 231596.	4.0	6
5	Average and local structure analysis of Na/Li ion-exchanged Li _x (Mn,Ni,Ti)O ₂ using synchrotron X-ray and neutron sources. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 1319-1326.	1.2	1
6	Room temperature synthesis and phase transformation of lithium phosphate Li ₃ PO ₄ as solid electrolyte. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 452-458.	1.0	7
7	All-oxide solid-state lithium-ion battery employing 50Li ₂ SO ₄ •50Li ₂ CO ₃ glass electrolyte. <i>Journal of Power Sources</i> , 2021, 491, 229620.	4.0	12
8	Excellent Deformable Oxide Glass Electrolytes and Oxide-Type All-Solid-State Li ₂ S-Si Batteries Employing These Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35785-35794.	4.0	12
9	Effective One-Step Preparation of High Performance Positive and Negative Composite Electrodes for All-Solid-State Li ₂ S-Si Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 090557.	1.3	6
10	Synthesis, crystal structure, and electrochemical properties of niobium-substituted hollandite-type titanium dioxides, K Ti ¹⁺ Nb O ₂ , with different potassium content in the tunnel space. <i>Solid State Ionics</i> , 2021, 369, 115727.	1.3	1
11	Garnet-Type Lithium Ion Conducting Oxides: Li ₇ La ₃ Zr ₂ O ₁₂ and Its Chemical Derivatives. , 2021, , 201-219.		2
12	Synthesis Method and Electrochemical Properties of H ₂ Ti ₁₂ O ₂₅ from Cubic Li ₂ Ti ₃ for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110517.	1.3	2
13	Synthesis and crystal structure of fluorite-type La _{2.4} Zr _{1.2} Ta _{0.4} O ₇ : A precursor oxide for low temperature formation of garnet-type Li _{6.5} La ₃ Zr _{1.5} Ta _{0.5} O ₁₂ . <i>Solid State Ionics</i> , 2020, 357, 115460.	1.3	9
14	Ionic Conductivity of Low- κ Crystalline Li ₄ P ₂ S ₆ and Li ₄ P ₂ S ₆ •LiX (X=Cl, Br, and I) Systems and Their Role in Improved Positive Electrode Performance in All-Solid-State LiS Battery. <i>ChemistrySelect</i> , 2020, 5, 9926-9931.	0.7	7
15	Orthorhombic Crystal System for a Garnet-type Lithium-Ion Conductor. <i>Inorganic Chemistry</i> , 2020, 59, 14376-14381.	1.9	7
16	Large single-crystal growth of tetragonal garnet-type Li ₇ La ₃ Zr ₂ O ₁₂ by melting method. <i>Solid State Ionics</i> , 2020, 349, 115312.	1.3	10
17	Structural and Li-ion diffusion properties of lithium tantalum phosphate LiTa ₂ PO ₈ . <i>Solid State Ionics</i> , 2020, 351, 115314.	1.3	13
18	A high rate performance positive composite electrode using a high P/S ratio and Lil composite solid electrolyte for an all-solid-state Li ⁺ S battery. <i>Journal of Power Sources</i> , 2020, 453, 227905.	4.0	13

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19	Structural Change and Morphological Surface Degradation upon Electrochemical Li Extraction from a Single Crystal of Spinel-type $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$. <i>Crystal Growth and Design</i> , 2020, 20, 4533-4539.	1.4	7
20	Nanoarchitectonics of Acicular Nanocrystal Assembly and Nanosheet Assembly for Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3004-3012.	0.9	1
21	Synthesis, crystal structure and electrochemical property of $\text{Li}_{2.7}\text{MnTi}_3\text{O}_9$ with the $\text{Na}_{2.08}\text{Ti}_4\text{O}_9$ -type tunnel structure. <i>Solid State Ionics</i> , 2020, 357, 115467.	1.3	1
22	Improvement of Inter-particle Contact in Positive Electrodes Using the Composite Deformable Solid Electrolyte in an Oxide-type All-solid-state Lithium Ion Battery. <i>Chemistry Letters</i> , 2019, 48, 891-893.	0.7	6
23	Lithium-ion conductivity and crystal structure of garnet-type solid electrolyte $\text{Li}_{7-x}\text{La}_3\text{Zr}_2\text{Ta}_x\text{O}_{12}$ using single-crystal. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 521-526.	0.5	6
24	Development of a compact all-solid-state lithium secondary battery using single-crystal electrolyte. <i>Synthesiology</i> , 2019, 12, 29-40.	0.2	4
25	Electrochemical Properties of Titanium Oxides with Disordered Layer Stacking through Flocculation of Exfoliated Titania Nanosheets. <i>Journal of the Electrochemical Society</i> , 2019, 166, A5301-A5307.	1.3	2
26	A novel synthetic route of micrometer-sized LiCoMnO_4 as 5V cathode material for advanced lithium ion batteries. <i>Solid State Ionics</i> , 2019, 333, 9-15.	1.3	4
27	Toward understanding the anomalous Li diffusion in inorganic solid electrolytes by studying a single-crystal garnet of $\text{Li}_7\text{La}_3\text{Zr}_2\text{Ta}_x\text{O}_{12}$ by pulsed-gradient spin-echo nuclear magnetic resonance spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 194502.	1.2	23
28	A novel synthetic route of garnet-type $\text{Li}_{6.5}\text{La}_3\text{Zr}_{1.5}\text{Ta}_{0.5}\text{O}_{12}$ using pyrochlore-type $\text{La}_2\text{Zr}_2\text{O}_7$ and weberite-type La_3TaO_7 as starting materials. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 374-377.	0.5	6
29	Synthesis of $\text{H}_2\text{Ti}_{12}\text{O}_{25}$ containing fine carbon particles by impregnation method using porous titanium hydroxide. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 399-403.	0.5	2
30	Lithium ionic conductivities of LiBO_2 with two-dimensional Li-Li networks and LiBO_2 with three-dimensional ones synthesized under high pressure. <i>Journal of Solid State Chemistry</i> , 2019, 274, 100-104.	1.4	14
31	Development of a compact all-solid-state lithium secondary battery using single-crystal electrolyte. <i>Synthesiology</i> , 2019, 12, 28-38.	0.2	3
32	Relationship between Li^+ diffusion and ion conduction for single-crystal and powder garnet-type electrolytes studied by ^7Li PGSE NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23589-23597.	1.3	21
33	Recent Progress in Positive Electrode Materials for Lithium-Ion Batteries. <i>Journal of the Japan Society of Colour Material</i> , 2019, 92, 200-204.	0.0	0
34	Solid-State Battery Technologies for Advanced IoT Sensor Device Applications. <i>Seikei-Kakou</i> , 2019, 31, 334-337.	0.0	0
35	Crystal growth and structural and electrochemical properties of garnet-type lithium-ion conducting oxides. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e310-e310.	0.0	0
36	High-Pressure Synthesis, Crystal Chemistry, and Ionic Conductivity of a Structural Polymorph of $\text{Li}_3\text{BP}_2\text{O}_8$. <i>Inorganic Chemistry</i> , 2018, 57, 15048-15050.	1.9	1

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37	Average and local structure analysis of metastable $\text{Li}_x\text{Mn}_0.9\text{Ti}_0.1\text{O}_2$ by synchrotron X-ray and neutron sources. <i>Solid State Ionics</i> , 2018, 325, 209-213.	1.3	3
38	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 ^7Li pulsed field gradient-NMR spectroscopy. <i>Solid State Ionics</i> , 2018, 327, 18-26.	1.3	41
39	High Ionic Conductor Member of Garnet-type Oxide $\text{Li}_{6.5}\text{La}_3\text{Zr}_{1.5}\text{Ta}_{0.5}\text{O}_{12}$. <i>ChemElectroChem</i> , 2018, 5, 2551-2557.	1.7	26
40	Lithium-ion conducting oxide single crystal as solid electrolyte for advanced lithium battery application. <i>Scientific Reports</i> , 2018, 8, 9965.	1.6	93
41	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.	2.7	13
42	Microwave Synthesis of $\text{Fe}_2\text{O}_3/\text{SnO}_2$ Nanocomposites and Its Lithium Storage Performance. <i>Chemistry Letters</i> , 2017, 46, 886-888.	0.7	5
43	Li-ion conductivity and crystal structure of garnet-type $\text{Li}_{6.5}\text{La}_3\text{M}_{1.5}\text{Ta}_{0.5}\text{O}_{12}$ ($\text{M} = \text{Hf}, \text{Sn}$) oxides. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 272-275.		
44	Synthesis of $\text{H}_2\text{Ti}_{12}\text{O}_{25}$ with anisotropic morphology by impregnation of Na_2CO_3 solution into porous titanium hydroxide. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 686-689.	0.5	2
45	Single crystal synthesis, crystal structure and electrochemical property of spinel-type LiCoMnO_4 as 5 V positive electrode materials. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 706-709.	0.5	3
46	Quantitative analysis of cation mixing and local valence states in $\text{LiNi}_{2-x}\text{Mn}_{2x}\text{O}_4$ using concurrent HARECXS and HARECES measurements. <i>Microscopy (Oxford, England)</i> , 2016, 65, 253-262.	0.7	10
47	Synthesis, crystal structure and conductive properties of garnet-type lithium ion conductor Al-free $\text{Li}_{7-4x}\text{La}_3\text{Zr}_{2-2x}\text{O}_{12}$ ($0 \leq x \leq 0.6$). <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 678-683.		
48	Soft chemical synthesis and crystal structure of novel hydrogen titanium oxide $\text{H}_2\text{Ti}_{12}\text{O}_{25}$. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 710-713.	0.5	9
49	Ion-exchange synthesis and improved Li insertion property of lithiated $\text{H}_2\text{Ti}_{12}\text{O}_{25}$ as a negative electrode material for lithium-ion batteries. <i>Journal of Asian Ceramic Societies</i> , 2016, 4, 75-80.	1.0	7
50	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.	4.0	15
51	Soft chemical synthesis and electrochemical properties of calcium ferrite-type $\text{Li}_x\text{Mn}_2\text{O}_4$. <i>Journal of Power Sources</i> , 2016, 310, 12-17.	4.0	4
52	Single-crystal synthesis and structure refinement of $\text{La}_2\text{Li}_{0.5}\text{Al}_{0.5}\text{O}_4$ with K_2NiF_4 -type structure. <i>Journal of Asian Ceramic Societies</i> , 2015, 3, 301-304.	1.0	3
53	Synthesis of Garnet-type $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ by Coprecipitation Method. <i>Chemistry Letters</i> , 2015, 44, 970-972.	0.7	3
54	Electrochemical Property of Particle-size Controlled $\text{H}_2\text{Ti}_{12}\text{O}_{25}$ as a Negative Electrode Material for Lithium-ion Battery. <i>Electrochemistry</i> , 2015, 83, 834-836.	0.6	4

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55	Tunable photoluminescent properties of Eu-doped $\hat{\text{I}}^2\text{-Ga}_2\text{O}_3$ phosphor thin films prepared via excimer laser-assisted metal organic decomposition. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FB14.	0.8	5
56	Synthesis, crystal structure and electrochemical properties of $\text{Li}_{0.55}\text{Co}_{0.5}\text{Mn}_{0.5}\text{O}_2$ with the O6-type layered structure. <i>Solid State Ionics</i> , 2014, 263, 167-171.	1.3	4
57	Single-crystal growth, crystal structure analysis and physical properties of lithium overstoichiometric $\text{Li}_{1+\text{x}}\text{CoO}_2$. <i>Solid State Ionics</i> , 2014, 262, 106-109.	1.3	6
58	Synthesis, crystal structure, and electrochemical properties of hollandite-type $\text{K Ti}_{1-\text{x}}\text{Mn O}_2$. <i>Solid State Ionics</i> , 2014, 262, 14-17.	1.3	10
59	Synthesis, Crystal Structure and Physical Properties of $\text{Ba}_{\text{x}}\text{Ti}_{12}\text{O}_{27}$. <i>Key Engineering Materials</i> , 2013, 566, 211-214.	0.4	3
60	Soft chemical synthesis and electrochemical properties of $\text{Li}_{0.90}\text{Mn}_{0.90}\text{Ti}_{0.10}\text{O}_2$ with the $\text{Na}_{0.44}\text{MnO}_2$ -type tunnel structure. <i>Journal of Power Sources</i> , 2013, 244, 382-388.	4.0	4
61	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.	1.9	35
62	Lithium insertion and extraction properties of hollandite-type K_xTiO_2 with different K content in the tunnel space. <i>Solid State Ionics</i> , 2013, 243, 22-29.	1.3	25
63	Electrochemical properties of transition metal substituted calcium ferrite-type $\text{Li}_x(\text{M}_{0.1}\text{Mn}_{0.9})_2\text{O}_4$ ($\text{M}=\text{Ni, Ti}$). <i>Journal of Power Sources</i> , 2013, 244, 561-564.	4.0	14
64	Structural and electrochemical properties of hydrogen titanium oxides. <i>Solid State Ionics</i> , 2013, 252, 109-115.	1.3	9
65	Synthesis of high-capacity Ti- and/or Fe-substituted Li_2MnO_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.	4.0	41
66	Synthesis and electrochemical properties of layered $\text{Li}_{1.0}\text{Mn}_{0.82}\text{Ni}_{0.10}\text{Ti}_{0.08}\text{O}_2$ prepared by chemical lithium insertion. <i>Journal of Power Sources</i> , 2013, 244, 505-509.	4.0	6
67	A novel soft-chemical synthetic route using $\text{Na}_2\text{Ti}_6\text{O}_{13}$ as a starting compound and electrochemical properties of $\text{H}_2\text{Ti}_{12}\text{O}_{25}$. <i>Journal of Power Sources</i> , 2013, 244, 679-683.	4.0	25
68	Soft Chemical Synthesis and Electrochemical Properties of $\text{Li}_{\text{x}}\text{Mn}_{1-\text{y}}\text{Ti}_{\text{y}}\text{O}_2$ ($0 < \text{x} < 1$; $0 < \text{y} < 1$) with O3-type Layered Structure. <i>Journal of the Electrochemical Society</i> , 2013, 160, A297-A301.	1.3	3
69	Synthesis and Ti Substitution Effect of Fe-Substituted Li_2MnO_3 Positive Electrode Material. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2013, 60, 3-8.	0.1	0
70	Synthesis, Crystal Structure, and Electrochemical Properties of $(\text{Li,Na})_{\text{x}}\text{Mn}_{1-\text{y}}\text{Ti}_{\text{y}}\text{O}_2$ ($0 < \text{x} < 1$; $0 < \text{y} < 1$) with O3-type Layered Structure. <i>Chemistry Letters</i> , 2012, 41, 1478-1480.	0.7	3
71	Lithium Insertion/Deinsertion Reactions of Ultrafine SnO_2 Nanoparticles Synthesized by Microwave Heating. <i>Chemistry Letters</i> , 2012, 41, 850-852.	0.7	4
72	Synthesis and Electrochemical Properties of Porous Titania Prepared by Spray-drying of Titania Nanosheets. <i>Chemistry Letters</i> , 2012, 41, 1515-1517.	0.7	4

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73	Synthesis and structure analysis of a new titanium oxide having an intergrowth structure between ramsdellite-type and calcium ferrite-type. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1460-1462.	1.9	2
74	Synthesis, crystal structure, and electrochemical properties of hollandite-type $K_{0.008}TiO_2$. <i>Solid State Ionics</i> , 2012, 225, 502-505.	1.3	18
75	Morphology control and electrochemical properties of $LiFePO_4/C$ composite cathode for lithium ion batteries. <i>Solid State Ionics</i> , 2012, 225, 560-563.	1.3	31
76	Ion-Exchange Synthesis, Crystal Structure, and Electrochemical Properties of $Li_2Ti_6O_{13}$. <i>Chemistry of Materials</i> , 2011, 23, 2344-2352.	3.2	51
77	Soft-Chemical Synthesis and Electrochemical Property of $H_2Ti_{12}O_{25}$ as a Negative Electrode Material for Rechargeable Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2011, 158, A546.	1.3	49
78	Microwave Synthesis and Electrochemical Properties of Ultrafine SnO_2 Nanoparticles. <i>Chemistry Letters</i> , 2011, 40, 414-416.	0.7	10
79	Crystal Structure of Fast Lithium-ion-conducting Cubic $Li_7La_3Zr_2O_{12}$. <i>Chemistry Letters</i> , 2011, 40, 60-62.	0.7	336
80	Synthesis and Crystal Structure of Cubic Perovskite-type $BaMo_{1-x}Ti_xO_3$ with $x \leq 0.175$. <i>Chemistry Letters</i> , 2011, 40, 524-526.	0.7	1
81	Synthesis, structure and physical properties of reduced barium titanate $BaTi_{13}O_{22}$. <i>Journal of Solid State Chemistry</i> , 2011, 184, 3117-3120.	1.4	4
82	Synthesis and electrochemical properties of a porous titania fabricated from exfoliated nanosheets. <i>Journal of Power Sources</i> , 2011, 196, 7006-7010.	4.0	18
83	Microwave synthesis, characterization, and electrochemical properties of γ - Fe_2O_3 nanoparticles. <i>Solid State Ionics</i> , 2011, 192, 293-297.	1.3	43
84	Synthesis and electrochemical characterization of Fe and Ni substituted Li_2MnO_3 —An effective means to use Fe for constructing α -Co-free Li_2MnO_3 based positive electrode material. <i>Journal of Power Sources</i> , 2011, 196, 3611-3622.	4.0	81
85	Synthesis and Electrochemical Properties of Ca-Substituted $Li_{0.44}MnO_2$. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, A100-A103.	2.2	2
86	Structural Reinvestigation of Alkali Hexatitanate. <i>Solid State Phenomena</i> , 2011, 170, 208-212.	0.3	0
87	Neutron powder diffraction study of tetragonal $Li_7La_3Hf_2O_{12}$ with the garnet-related type structure. <i>Journal of Solid State Chemistry</i> , 2010, 183, 180-185.	1.4	70
88	Electrical Conductivities of $Na_{[0.44]}Mn_{[1-x]}Ti_{[x]}O_{[2]}$. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, F35.	2.2	11
89	High pressure synthesis and magnetic properties of $CaFe_2O_4$ -type $NaMn_2O_4$ and $LiMn_2O_4$. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042210.	0.3	4
90	Crystal growth and structure refinement of monoclinic Li_2TiO_3 . <i>Materials Research Bulletin</i> , 2009, 44, 168-172.	2.7	146

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91	A single-crystal study of the electrochemically Li-ion intercalated spinel-type Li ₄ Ti ₅ O ₁₂ . Solid State Ionics, 2009, 180, 631-635.	1.3	46
92	Synthesis and lithium ion insertion/extraction properties of hollandite-type MnO ₂ prepared by acid digestion of Mn ₂ O ₃ . Solid State Ionics, 2009, 180, 616-620.	1.3	23
93	Synthesis and crystallographic studies of garnet-related lithium-ion conductors Li ₆ CaLa ₂ Ta ₂ O ₁₂ and Li ₆ BaLa ₂ Ta ₂ O ₁₂ . Solid State Ionics, 2009, 180, 602-606.	1.3	60
94	Synthesis and structure analysis of tetragonal Li ₇ La ₃ Zr ₂ O ₁₂ with the garnet-related type structure. Journal of Solid State Chemistry, 2009, 182, 2046-2052.	1.4	658
95	X-ray absorption spectroscopic analysis of Cu ₂ S ₄ . Journal of Alloys and Compounds, 2009, 480, 120-122.	2.8	9
96	Synthesis, characterization, and electrochemical properties of a thin flake titania fabricated from exfoliated nanosheets. Journal of Physics and Chemistry of Solids, 2008, 69, 1447-1449.	1.9	11
97	Single-crystal synthesis and structure refinement of Li ₂ MoO ₃ . Journal of Physics and Chemistry of Solids, 2008, 69, 1518-1520.	1.9	17
98	Single crystal growth and structure refinement of Li ₄ Ti ₅ O ₁₂ . Journal of Physics and Chemistry of Solids, 2008, 69, 1454-1456.	1.9	61
99	Synthesis and crystallographic studies of garnet-type AgCa ₂ Mn ₂ V ₃ O ₁₂ and NaPb ₂ Mn ₂ V ₃ O ₁₂ . Journal of Physics and Chemistry of Solids, 2008, 69, 1740-1746.	1.9	6
100	Synthesis, structure, and electrochemical Li-ion intercalation properties of Li ₂ Ti ₃ O ₇ with Na ₂ Ti ₃ O ₇ -type layered structure. Solid State Ionics, 2008, 178, 1725-1730.	1.3	71
101	Energetic evaluation of possible insertion sites of Li into La ₃ Ni ₂ Sn ₇ using a first principle calculation. Journal of Alloys and Compounds, 2008, 462, 284-288.	2.8	3
102	Single Crystal Growth of CaMn ₂ O ₄ and CaMn ₃ O ₆ in Molten CaCl ₂ . Chemistry Letters, 2008, 37, 978-979.	0.7	12
103	Single-crystal synthesis, structure refinement and electrical properties of Li _{0.5} CoO ₂ . Journal of Physics Condensed Matter, 2007, 19, 436202.	0.7	47
104	Characterization and Electrochemical Property of γ -Fe ₂ O ₃ Nanoparticles Prepared by Microwave Heating. Chemistry Letters, 2007, 36, 568-569.	0.7	14
105	Growth of Flexible and Transparent Thin-Film-Like LiCoO ₂ Crystals in High-Temperature Molten Chlorides. Crystal Growth and Design, 2007, 7, 2491-2494.	1.4	7
106	Structural and electrochemical properties of Li _{0.44+x} Mn _{1-y} Ti _y O ₂ as a novel 4V positive electrode material. Journal of Power Sources, 2007, 174, 1218-1223.	4.0	16
107	Single-crystal synthesis, structure analysis, and physical properties of the calcium ferrite-type Na _x Ti ₂ O ₄ with 0.558 < x < 1. Journal of Solid State Chemistry, 2007, 180, 1020-1027.	1.4	8
108	Structure and electron density analysis of electrochemically and chemically delithiated LiCoO ₂ single crystals. Journal of Solid State Chemistry, 2007, 180, 313-321.	1.4	90

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109	Synthesis, Structural Change upon Heating, and Electronic Structure of Ramsdellite-Type TiO ₂ . Chemistry of Materials, 2006, 18, 748-752.	3.2	20
110	A Low-Temperature Synthetic Route and Electrochemical Properties of Micrometer-Sized LiNi _{0.5} Mn _{1.5} O ₄ Single Crystals. Electrochemical and Solid-State Letters, 2006, 9, A203.	2.2	15
111	Electronic Structure of LiMn _{1-x} MxO ₂ (M=Mn, Co, Ni, Zn) as a Cathode Active Material for Li Secondary Battery by MEM/Rietveld Analysis and First Principles Calculations. Journal of the Ceramic Society of Japan, 2006, 114, 849-852.	1.3	2
112	High-pressure synthesis and crystal structure analysis of NaMn ₂ O ₄ with the calcium ferrite-type structure. Journal of Solid State Chemistry, 2006, 179, 169-174.	1.4	30
113	Crystal growth and structural properties of the spinel-type Li _{1+x} Mn _{2-2x} O ₄ (x=0.10, 0.14). Solid State Ionics, 2006, 177, 691-695.	1.3	7
114	Preparation and Characterization of Pd Nanoparticles by Sonochemical Reduction of [Pd(NH ₃) ₄] ²⁺ in the Presence of 1-Propanol. Chemistry Letters, 2005, 34, 1658-1659.	0.7	2
115	Lithium ion insertion and extraction reactions with Hollandite-type manganese dioxide free from any stabilizing cations in its tunnel cavity. Journal of Solid State Chemistry, 2005, 178, 2741-2750.	1.4	52
116	Single-crystal synthesis and structure refinement of the LiCoO ₂ –LiAlO ₂ solid-solution compounds: LiAl _{0.32} Co _{0.68} O ₂ and LiAl _{0.71} Co _{0.29} O ₂ . Journal of Solid State Chemistry, 2005, 178, 3667-3671.	1.4	7
117	Synthesis and Electrochemical Properties of Li _{0.44} MnO ₂ as a Novel 4V Cathode Material. Electrochemical and Solid-State Letters, 2005, 8, A554.	2.2	22
118	Direct Observation of the Bulk Degradation of Li _{1.1} Mn _{1.9} O ₄ Single Crystals after High-Temperature Storage. Electrochemical and Solid-State Letters, 2005, 8, A361.	2.2	12
119	In Situ Raman Scattering Measurements of a LiMn ₂ O ₄ Single Crystal Microelectrode. Electrochemical and Solid-State Letters, 2005, 8, A521.	2.2	21
120	Single-crystal X-ray structure analysis of the low temperature form of LiMn ₂ O ₄ . Solid State Ionics, 2004, 172, 491-494.	1.3	25
121	Synthesis and structure analysis of a new sodium iron titanate Na _{2+x} Fe _x Ti _{4-x} O ₉ with x=0.65. Solid State Ionics, 2004, 172, 495-497.	1.3	10
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