Masahiro Tatsumisago

List of Publications by Year
in descending order

		31976	28297
267	13,058	53	105
papers	citations	h-index	g-index
268	268	268	6955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquid-phase synthesis of Li3PS4 solid electrolyte using ethylenediamine. Journal of Sol-Gel Science and Technology, 2022, 101, 2-7.	2.4	9
2	Solid Electrolyte with Oxidation Tolerance Provides a Highâ€Capacity Li₂Sâ€Based Positive Electrode for Allâ€Solidâ€State Li/S Batteries. Advanced Functional Materials, 2022, 32, 2106174.	14.9	25
3	Characteristics of a Li₃BS₃ Thioborate Glass Electrolyte Obtained via a Mechanochemical Process. ACS Applied Energy Materials, 2022, 5, 1421-1426.	5.1	12
4	Kinetics of Interfacial Lithium-ion Transfer between a Graphite Negative Electrode and a Li₂S-P₂S₅ Glassy Solid Electrolyte. Electrochemistry, 2022, 90, 037003-037003.	1.4	3
5	Mechanochemical Synthesis of Pyrite Ni_{1â^'}<i>_x</i>Fe<i>_x</i>S<sub>2</su Electrode for All-solid-state Sodium Battery. Electrochemistry, 2022, 90, 037011-037011.	1.4	1
6	Synthesis of an Al₃-doped Li₂S positive electrode with superior performance in all-solid-state batteries. Materials Advances, 2022, 3, 2488-2494.	5.4	11
7	Mechanochemically Prepared Highly Conductive Na_{2.88}Sb_{0.88}W_{0.12}S₄-NaI Composite Electrolytes for All-Solid-State Sodium Battery. Electrochemistry, 2022, 90, 047005-047005.	1.4	4
8	Mechanochemical synthesis of amorphous MoS<i>_x</i> (<i>x</i> = 3, 4, 5, 6, and 7) electrode for all-solid-state sodium battery. Journal of the Ceramic Society of Japan, 2022, 130, 308-312.	1.1	2
9	High Rate Capability from a Graphite Anode through Surface Modification with Lithium Iodide for All-Solid-State Batteries. ACS Applied Energy Materials, 2022, 5, 667-673.	5.1	15
10	Sodium-Ion Conducting Solid Electrolytes in the Na₂Sâ€"In₂S₃ System. Electrochemistry, 2022, 90, 067009-067009.	1.4	5
11	Characterizing the Structural Change of Na₃PS₄ Solid Electrolytes in a Humid N₂ Atmosphere. Journal of Physical Chemistry C, 2022, 126, 7383-7389.	3.1	6
12	Crystalline precursor derived from Li3PS4 and ethylenediamine for ionic conductors. Journal of Sol-Gel Science and Technology, 2022, 104, 627-634.	2.4	2
13	Formation of Passivate Interphases by Na₃BS₃-Glass Solid Electrolytes in All-Solid-State Sodium-Metal Batteries. ACS Applied Materials & Interfaces, 2022, 14, 24480-24485.	8.0	14
14	Amorphous Positive Electrode Materials Prepared Using LiMn_{1.5}Ni_{0.5}O₄ and Lithium Oxyacid Salts. Chemistry Letters, 2022, 51, 815-818.	1.3	2
15	Preparation and characterization of Na_{2.88}Sb_{0.88}W_{0.12}S_{4â^'}<i><su solid electrolyte. Journal of the Ceramic Society of Japan, 2022, 130, 498-503.	1.1	2
16	Comparison of Sulfur Cathode Reactions between a Concentrated Liquid Electrolyte System and a Solid-State Electrolyte System by Soft X-Ray Absorption Spectroscopy. ACS Applied Energy Materials, 2021, 4, 186-193.	5.1	10
17	Preparation and characterization of sodium-ion conductive Na₃BS₃ glass and glassâ€"ceramic electrolytes. Materials Advances, 2021, 2, 1676-1682.	5.4	19
18	Visualizing Local Electrical Properties of Composite Electrodes in Sulfide All-Solid-State Batteries by Scanning Probe Microscopy. Journal of Physical Chemistry C, 2021, 125, 2841-2849.	3.1	11

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19	Structures and conductivities of stable and metastable Li₅GaS₄ solid electrolytes. RSC Advances, 2021, 11, 25211-25216.	3.6	7
20	Microstructure and Chargeâ€"Discharge Mechanism of a Li₃CuS₂ Positive Electrode Material for All-Solid-State Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 6290-6295.	5.1	10
21	<i>In situ</i> observation of the deterioration process of sulfide-based solid electrolytes using airtight and air-flow TEM systems. Microscopy (Oxford, England), 2021, 70, 519-525.	1.5	11
22	Solid electrolytes Na₁₀₊<i>_x</i>Sn₁₊<i>_x</i>P_{2â^'}<i>_x</i>S<sub>12</sub prepared via a mechanochemical process. Journal of the Ceramic Society of Japan, 2021, 129, 323-328.	1.1	2
23	Investigation of the Suppression of Dendritic Lithium Growth with a Lithium-Iodide-Containing Solid Electrolyte. Chemistry of Materials, 2021, 33, 4907-4914.	6.7	30
24	Glassy oxide electrolytes in the system Li₄SiO₄â€"Li₂SO₄ with excellent formability. Journal of the Ceramic Society of Japan, 2021, 129, 458-463.	1.1	2
25	Amorphous Li₂Oâ€"LiI Solid Electrolytes Compatible to Li Metal. Electrochemistry, 2021, 89, 334-336.	1.4	13
26	Electrode performance of amorphous MoS3 in all-solid-state sodium secondary batteries. Journal of Power Sources Advances, 2021, 10, 100061.	5.1	19
27	Visualization and Control of Chemically Induced Crack Formation in All-Solid-State Lithium-Metal Batteries with Sulfide Electrolyte. ACS Applied Materials & Interfaces, 2021, 13, 5000-5007.	8.0	50
28	Aqueous solution synthesis of Na₃SbS₄â€"Na₂WS₄ superionic conductors. Journal of Materials Chemistry A, 2020, 8, 1947-1954.	10.3	47
29	Synthesis of Sulfide Solid Electrolytes through the Liquid Phase: Optimization of the Preparation Conditions. ACS Omega, 2020, 5, 26287-26294.	3.5	22
30	Reaction uniformity visualized by Raman imaging in the composite electrode layers of all-solid-state lithium batteries. Physical Chemistry Chemical Physics, 2020, 22, 13271-13276.	2.8	9
31	High-rate operation of sulfur/mesoporous activated carbon composite electrode for all-solid-state lithium-sulfur batteries. Journal of the Ceramic Society of Japan, 2020, 128, 233-237.	1.1	19
32	A reversible oxygen redox reaction in bulk-type all-solid-state batteries. Science Advances, 2020, 6, eaax7236.	10.3	34
33	Sulfide Electrolyte Suppressing Side Reactions in Composite Positive Electrodes for All-Solid-State Lithium Batteries. ACS Applied Materials & Interfaces, 2020, 12, 29228-29234.	8.0	7
34	<i>Operando</i> Confocal Microscopy for Dynamic Changes of Li⁺ Ion Conduction Path in Graphite Electrode Layers of All-Solid-State Batteries. Journal of Physical Chemistry Letters, 2020, 11, 900-904.	4.6	44
35	All-solid-state sodium-sulfur battery showing full capacity with activated carbon MSP20-sulfur-Na3SbS4 composite. Electrochemistry Communications, 2020, 116, 106741.	4.7	18
36	Preparation and Characterization of Cation-Substituted Na₃SbS₄ Solid Electrolytes. ACS Applied Energy Materials, 2020, 3, 11706-11712.	5.1	22

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37	Preparation of sodium-ion-conductive Na_{3âˆ’}<i>_x</i>SbS_{4âˆ’}<i>_x solid electrolytes. Journal of the Ceramic Society of Japan, 2020, 128, 641-647.	1.1	15
38	Characterization of quasi-solid electrolytes based on Li₃PS₄ glass with organic carbonate additives. Journal of the Ceramic Society of Japan, 2020, 128, 653-655.	1.1	0
39	Mechanochemical synthesis and characterization of amorphous Li₂CN₂ as a lithium ion conductor. Journal of the Ceramic Society of Japan, 2019, 127, 518-520.	1.1	10
40	Ion-exchange Synthesis of Li₂NaPS₄ from Na₃PS₄. Chemistry Letters, 2019, 48, 863-865.	1.3	0
41	Mechanochemical synthesis of cubic rocksalt Na₂TiS₃ as novel active materials for all-solid-state sodium secondary batteries. Journal of the Ceramic Society of Japan, 2019, 127, 514-517.	1.1	5
42	Metastable Materials for All-Solid-State Batteries. Electrochemistry, 2019, 87, 247-250.	1.4	12
43	Mechanochemical Synthesis of Na-Sb Alloy Negative Electrodes and Their Application to All-solid-state Sodium Batteries. Electrochemistry, 2019, 87, 289-293.	1.4	10
44	An argyrodite sulfide-based superionic conductor synthesized by a liquid-phase technique with tetrahydrofuran and ethanol. Journal of Materials Chemistry A, 2019, 7, 558-566.	10.3	127
45	Morphological Effect on Reaction Distribution Influenced by Binder Materials in Composite Electrodes for Sheet-type All-Solid-State Lithium-Ion Batteries with the Sulfide-based Solid Electrolyte. Journal of Physical Chemistry C, 2019, 123, 3292-3298.	3.1	53
46	Quantitative analysis of crystallinity in an argyrodite sulfide-based solid electrolyte synthesized via solution processing. RSC Advances, 2019, 9, 14465-14471.	3.6	22
47	Highly Stable Li/Li₃BO₃â€“Li₂SO₄ Interface and Application to Bulk-Type All-Solid-State Lithium Metal Batteries. ACS Applied Energy Materials, 2019, 2, 3042-3048.	5.1	19
48	Sulfurâ€Based Composite Electrode with Interconnected Mesoporous Carbon for Allâ€Solidâ€State Lithiumâ€“Sulfur Batteries. Energy Technology, 2019, 7, 1900077.	3.8	38
49	Fast Cationic and Anionic Redox Reactions in Li₂RuO₃-Li₂SO₄ Positive Electrode Materials. ACS Applied Energy Materials, 2019, 2, 1594-1599.	5.1	6
50	Amorphous Niâ€Rich Li(Ni_{1âˆ’}<i>_x</i>_{âˆ’}<i>_y</i>Mn<i>_x</i>Co<i>_y</i>)O<sub Positive Electrode Materials for Bulkâ€Type Allâ€Oxide Solidâ€State Batteries. Advanced Materials Interfaces, 2019, 6, 1802016.	3.7	12
51	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. Nature Reviews Chemistry, 2019, 3, 189-198.	30.2	238
52	A sodium-ion sulfide solid electrolyte with unprecedented conductivity at room temperature. Nature Communications, 2019, 10, 5266.	12.8	216
53	Sulfurâ€Based Composite Electrode with Interconnected Mesoporous Carbon for Allâ€Solidâ€State Lithiumâ€“Sulfur Batteries. Energy Technology, 2019, 7, 1980393.	3.8	6
54	Amorphous Na₂TiS₃ as an Active Material for All-solid-state Sodium Batteries. Chemistry Letters, 2019, 48, 288-290.	1.3	7

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55	Development of Next Generation Battery Materials by Mechanochemical Process. Journal of the Society of Powder Technology, Japan, 2019, 56, 452-458.	0.1	0
56	Mechanical Properties of Li₂Sâ€"P₂S₅ Glasses with Lithium Halides and Application in All-Solid-State Batteries. ACS Applied Energy Materials, 2018, 1, 1002-1007.	5.1	126
57	Crystallization behavior of the Li2Sâ€"P2S5 glass electrolyte in the LiNi1/3Mn1/3Co1/3O2 positive electrode layer. Scientific Reports, 2018, 8, 6214.	3.3	30
58	Amorphous LiCoO2-based Positive Electrode Active Materials with Good Formability for All-Solid-State Rechargeable Batteries. MRS Advances, 2018, 3, 1319-1327.	0.9	10
59	Preparation of Sodium Ion Conductive Na₁₀GeP₂S₁₂ Glass-ceramic Electrolytes. Chemistry Letters, 2018, 47, 13-15.	1.3	35
60	Liquidâ€phase sintering of highly Na⁺ ion conducting Na₃Zr₂Si₂PO₁₂ ceramics using Na₃BO₃ additive. Journal of the American Ceramic Society, 2018, 101, 1255-1265.	3.8	69
61	Thermal behavior and microstructures of cathodes for liquid electrolyte-based lithium batteries. Scientific Reports, 2018, 8, 15613.	3.3	17
62	Amorphization of Sodium Cobalt Oxide Active Materials for High-Capacity All-Solid-State Sodium Batteries. Chemistry of Materials, 2018, 30, 6998-7004.	6.7	12
63	Mechanical properties of sulfide glasses in all-solid-state batteries. Journal of the Ceramic Society of Japan, 2018, 126, 719-727.	1.1	75
64	Oxide-Based Composite Electrolytes Using Na₃Zr₂Si₂PO₁₂/Na₃PS₄ Interfacial Ion Transfer. ACS Applied Materials & Interfaces, 2018, 10, 19605-19614.	8.0	15
65	Mechanochemically Prepared Li₂Sâ€"P₂S₅â€"LiBH₄ Solid Electrolytes with an Argyrodite Structure. ACS Omega, 2018, 3, 5453-5458.	3.5	41
66	Sodium thiophosphate electrolyte thin films prepared by pulsed laser deposition for bulk-type all-solid-state sodium rechargeable batteries. Journal of the Ceramic Society of Japan, 2018, 126, 475-481.	1.1	8
67	High-Temperature Performance of All-Solid-State Lithium-Metal Batteries Having Li/Li₃PS₄Interfaces Modified with Au Thin Films. Journal of the Electrochemical Society, 2018, 165, A1950-A1954.	2.9	44
68	Lithium-Ion-Conducting Argyrodite-Type Li₆PS₅X (X = Cl, Br, I) Solid Electrolytes Prepared by a Liquid-Phase Technique Using Ethanol as a Solvent. ACS Applied Energy Materials, 2018, 1, 3622-3629.	5.1	103
69	Preparation of an Amorphous 80LiCoO₂Â·20Li₂SO₄ Thin Film Electrode by Pulsed Laser Deposition. Electrochemistry, 2018, 86, 246-249.	1.4	2
70	Mechanochemical Synthesis and Characterization of Metastable Hexagonal Li₄SnS₄ Solid Electrolyte. Inorganic Chemistry, 2018, 57, 9925-9930.	4.0	59
71	Electrochemical Properties of All-solid-state Lithium Batteries with Amorphous FeS<i>_x</i>-based Composite Positive Electrodes Prepared via Mechanochemistry. Electrochemistry, 2018, 86, 175-178.	1.4	14
72	Amorphous LiCoO 2 Li 2 SO 4 active materials: Potential positive electrodes for bulk-type all-oxide solid-state lithium batteries with high energy density. Journal of Power Sources, 2017, 348, 1-8.	7.8	29

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73	A novel dischargeâ€“charge mechanism of a Sâ€“P₂S₅ composite electrode without electrolytes in all-solid-state Li/S batteries. Journal of Materials Chemistry A, 2017, 5, 11224-11228.	10.3	48
74	Effects of the microstructure of solid-electrolyte-coated LiCoO₂ on its discharge properties in all-solid-state lithium batteries. Journal of Materials Chemistry A, 2017, 5, 10658-10668.	10.3	47
75	Structural and Electronic-State Changes of a Sulfide Solid Electrolyte during the Li Deinsertionâ€“Insertion Processes. Chemistry of Materials, 2017, 29, 4768-4774.	6.7	151
76	Solution-based sequential modification of LiCoO₂particle surfaces with iron(<scp>ii</scp>) oxalate nanolayers. CrystEngComm, 2017, 19, 4175-4181.	2.6	4
77	Li₂Sâ€Based Solid Solutions as Positive Electrodes with Full Utilization and Superlong Cycle Life in Allâ€Solidâ€State Li/S Batteries. Advanced Sustainable Systems, 2017, 1, 1700017.	5.3	101
78	All-Solid-State Na/S Batteries with a Na₃PS₄ Electrolyte Operating at Room Temperature. Chemistry of Materials, 2017, 29, 5232-5238.	6.7	126
79	Lithiumâ€“Sulfur Battery Electrolytes. , 2017, , 149-194.		0
80	Characterization of sulfur nanocomposite electrodes containing phosphorus sulfide for high-capacity all-solid-state Na/S batteries. Solid State Ionics, 2017, 311, 6-13.	2.7	30
81	The crystal structure and sodium disorder of high-temperature polymorph Î²-Na₃PS₄. Journal of Materials Chemistry A, 2017, 5, 25025-25030.	10.3	46
82	Direct observation of a non-crystalline state of Li2Sâ€“P2S5 solid electrolytes. Scientific Reports, 2017, 7, 4142.	3.3	47
83	Electrical and mechanical properties of glass and glass-ceramic electrolytes in the system Li₃BO₃–Li₂SO₄. Journal of the Ceramic Society of Japan, 2017, 125, 433-437.	1.1	48
84	Preparation and characterization of Na₃BO₃â€“Na₂SO₄ glass electrolytes with Na⁺ ion conductivity prepared by a mechanical milling technique. Journal of Asian Ceramic Societies, 2016, 4, 6-10.	2.3	7
85	Raman Spectroscopy for LiNi_{1/3}Mn_{1/3}Co_{1/3}O₂ Composite Positive Electrodes in All-Solid-State Lithium Batteries. Electrochemistry, 2016, 84, 812-814.	1.4	20
86	Improved electrochemical performance of amorphous TiS₃ electrodes compared to its crystal for all-solid-state rechargeable lithium batteries. Journal of the Ceramic Society of Japan, 2016, 124, 242-246.	1.1	14
87	X-ray photoelectron spectroscopy for sulfide glass electrolytes in the systems Li₂S–P₂S₅ and Li₂S–P₂S₅–LiBr. Journal of the Ceramic Society of Japan, 2016, 124, 597-601.	1.1	30
88	Mechanochemical synthesis and crystallization of Li₃BO₃–Li₂CO₃ glass electrolytes. Journal of the Ceramic Society of Japan, 2016, 124, 915-919.	1.1	27
89	Structure analyses using X-ray photoelectron spectroscopy and X-ray absorption near edge structure for amorphous MS3 (M: Ti, Mo) electrodes in all-solid-state lithium batteries. Journal of Power Sources, 2016, 313, 104-111.	7.8	36
90	Soft mechanochemical synthesis and electrochemical behavior of LiVMoO6 for all-solid-state lithium batteries. Journal of Materials Science, 2016, 51, 3574-3584.	3.7	2

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91	Thio-oxynitride phosphate glass electrolytes prepared by mechanical milling. Journal of Materials Research, 2015, 30, 2940-2948.	2.6	8
92	Sodium-ion Conducting Na3PS4 Electrolyte Synthesized via a Liquid-phase Process Using <i>N</i>-Methylformamide. Chemistry Letters, 2015, 44, 884-886.	1.3	35
93	Highly Utilized Lithium Sulfide Active Material by Enhancing Conductivity in All-solid-state Batteries. Chemistry Letters, 2015, 44, 1664-1666.	1.3	45
94	Preparation of Composites with LiCoPO₄ Electrode and LiTi₂(PO₄)₃ Electrolyte for Bulk-type All-solid-state Lithium Batteries. Electrochemistry, 2015, 83, 898-901.	1.4	10
95	Structure Analyses of Amorphous MoS₃ Active Materials in All-solid-state Lithium Batteries. Electrochemistry, 2015, 83, 889-893.	1.4	29
96	Liquid-phase step-by-step growth of an iron cyanide coordination framework on LiCoO₂ particle surfaces. Dalton Transactions, 2015, 44, 15279-15285.	3.3	8
97	Electrochemical properties of all-solid-state lithium batteries with amorphous MoS₃ electrodes prepared by mechanical milling. Journal of Materials Chemistry A, 2015, 3, 14142-14147.	10.3	60
98	Evaluation of mechanical properties of Na₂Sâ€“P₂S₅ sulfide glass electrolytes. Journal of Materials Chemistry A, 2015, 3, 22061-22065.	10.3	59
99	All-solid-state sodium batteries using amorphous TiS3 electrode with high capacity. Journal of Power Sources, 2015, 275, 284-287.	7.8	61
100	Preparation of Li 3 BO 3 â€“Li 2 SO 4 glassâ€“ceramic electrolytes for all-oxide lithium batteries. Journal of Power Sources, 2014, 270, 603-607.	7.8	92
101	Sulfide Glassâ€Ceramic Electrolytes for Allâ€Solidâ€State Lithium and Sodium Batteries. International Journal of Applied Glass Science, 2014, 5, 226-235.	2.0	144
102	Preparation and electrochemical characterization of (100Ââˆ’Âx)(0.7Li2SÂ·0.3P2S5)Â·xLiBr glassâ€“ceramic electrolytes. Materials for Renewable and Sustainable Energy, 2014, 3, 1.	3.6	21
103	Liquid-phase synthesis of a Li3PS4 solid electrolyte using N-methylformamide for all-solid-state lithium batteries. Journal of Materials Chemistry A, 2014, 2, 5095.	10.3	138
104	A sulphide lithium super ion conductor is superior to liquid ion conductors for use in rechargeable batteries. Energy and Environmental Science, 2014, 7, 627-631.	30.8	994
105	Preparation conditions of NiS active material in high-boiling solvents for all-solid-state lithium secondary batteries. New Journal of Chemistry, 2014, 38, 1731-1737.	2.8	10
106	Structure and properties of the Na2Sâ€“P2S5 glasses and glassâ€“ceramics prepared by mechanical milling. Journal of Power Sources, 2014, 269, 260-265.	7.8	76
107	Xâ€ray Crystal Structure Analysis of Sodiumâ€Ion Conductivity in 94â€‰Na₃PS₄â‹…6â€‰Na₄SiS₄ Glassâ€Ceramic Electrolytes. ChemElectroChem, 2014, 1, 1130-1132.	3.4	85
108	Preparation and characterization of highly sodium ion conducting Na₃PS₄â€“Na₄SiS₄ solid electrolytes. RSC Advances, 2014, 4, 17120-17123.	3.6	156

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109	Bulk-type All-solid-state Lithium Secondary Batteries Using Highly Ion-conductive Sulfide Solid Electrolyte Thin Films. Electrochemistry, 2014, 82, 591-594.	1.4	10
110	Li₄GeS₄â€“Li₃PS₄ electrolyte thin films with highly ion-conductive crystals prepared by pulsed laser deposition. Journal of the Ceramic Society of Japan, 2014, 122, 341-345.	1.1	15
111	Evaluation of youngâ€™s modulus of Li₂Sâ€“P₂S₅â€“P₂O<sub>5</su oxysulfide glass solid electrolytes. Journal of the Ceramic Society of Japan, 2014, 122, 552-555.	1.1	41
112	Synthesis of monodispersed lithium silicate particles using the solâ€“gel method. Journal of Sol-Gel Science and Technology, 2013, 65, 41-45.	2.4	5
113	Electrochemical properties of all-solid-state lithium batteries with amorphous titanium sulfide electrodes prepared by mechanical milling. Journal of Solid State Electrochemistry, 2013, 17, 2697-2701.	2.5	21
114	Suppression of H2S gas generation from the 75Li2SÂ·25P2S5 glass electrolyte by additives. Journal of Materials Science, 2013, 48, 4137-4142.	3.7	78
115	All-solid-state batteries with Li2O-Li2S-P2S5 glass electrolytes synthesized by two-step mechanical milling. Journal of Solid State Electrochemistry, 2013, 17, 2551-2557.	2.5	47
116	Sulfide Solid Electrolyte with Favorable Mechanical Property for All-Solid-State Lithium Battery. Scientific Reports, 2013, 3, 2261.	3.3	702
117	Improvement of chemical stability of Li3PS4 glass electrolytes by adding MxOy (M = Fe, Zn, and Bi) nanoparticles. Journal of Materials Chemistry A, 2013, 1, 6320.	10.3	164
118	Synthesis of monodispersed silica nanoparticles with high concentration by the StÃ¶ber process. Journal of Sol-Gel Science and Technology, 2013, 68, 341-345.	2.4	55
119	Electrochemical Performance of Allâ€Solidâ€State Li/S Batteries with Sulfurâ€Based Composite Electrodes Prepared by Mechanical Milling at High Temperature. Energy Technology, 2013, 1, 186-192.	3.8	83
120	Preparation and ionic conductivity of (100âˆ'x)(0.8Li2SÂ·0.2P2S5)Â·xLiI glassâ€“ceramic electrolytes. Journal of Solid State Electrochemistry, 2013, 17, 675-680.	2.5	48
121	Evaluation of elastic modulus of Li₂Sâ€“P₂S₅ glassy solid electrolyte by ultrasonic sound velocity measurement and compression test. Journal of the Ceramic Society of Japan, 2013, 121, 946-949.	1.1	149
122	Formation of Li2Sâ€“P2S5 Solid Electrolyte from <i>N</i>-Methylformamide Solution. Chemistry Letters, 2013, 42, 1435-1437.	1.3	32
123	Glass Electrolytes with High Ion Conductivity and High Chemical Stability in the System LiI-Li2O-Li2S-P2S5. Electrochemistry, 2013, 81, 428-431.	1.4	59
124	Bulk-Type Lithium Metal Secondary Battery with Indium Thin Layer at Interface between Li Electrode and Li2S-P2S5 Solid Electrolyte. Electrochemistry, 2012, 80, 734-736.	1.4	76
125	Bulk-Type All-Solid-State Lithium Secondary Battery with Li2S-P2S5 Thin-Film Separator. Electrochemistry, 2012, 80, 839-841.	1.4	9
126	Amorphous Titanium Sulfide Electrode for All-solid-state Rechargeable Lithium Batteries with High Capacity. Chemistry Letters, 2012, 41, 886-888.	1.3	55

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127	All-solid-state Lithium Secondary Batteries Using Li2Sâ€“P2S5 Solid Electrolytes and LiFePO4 Electrode Particles with Amorphous Surface Layer. Chemistry Letters, 2012, 41, 260-261.	1.3	29
128	Superionic glass-ceramic electrolytes for room-temperature rechargeable sodium batteries. Nature Communications, 2012, 3, 856.	12.8	795
129	High-capacity Li2Sâ€“nanocarbon composite electrode for all-solid-state rechargeable lithium batteries. Journal of Materials Chemistry, 2012, 22, 10015.	6.7	240
130	All-solid-state lithium secondary batteries with metal-sulfide-coated LiCoO2 prepared by thermal decomposition of dithiocarbamato complexes. Journal of Materials Chemistry, 2012, 22, 15247.	6.7	50
131	Invited paper: Recent development of bulk-type solid-state rechargeable lithium batteries with sulfide glass-ceramic electrolytes. Electronic Materials Letters, 2012, 8, 199-207.	2.2	74
132	Preparation of amorphous TiS x thin film electrodes by the PLD method and their application to all-solid-state lithium secondary batteries. Journal of Materials Science, 2012, 47, 6601-6606.	3.7	17
133	Preparation of Coâ€“Al and Niâ€“Al layered double hydroxide thin films by a solâ€“gel process with hot water treatment. Journal of Sol-Gel Science and Technology, 2012, 62, 111-116.	2.4	23
134	Synthesis of Needlelike and Platelike SnS Active Materials in High-Boiling Solvents and Their Application to All-Solid-State Lithium Secondary Batteries. Crystal Growth and Design, 2011, 11, 3900-3904.	3.0	32
135	Fabrication of electrodeâ€“electrolyte interfaces in all-solid-state rechargeable lithium batteries by using a supercooled liquid state of the glassy electrolytes. Journal of Materials Chemistry, 2011, 21, 118-124.	6.7	138
136	Synthesis of nanosized nickel sulfide in high-boiling solvent for all-solid-state lithium secondary batteries. Journal of Materials Chemistry, 2011, 21, 2987.	6.7	74
137	Crystallization Process for Superionic Li7P3S11 Glass-Ceramic Electrolytes. Journal of the American Ceramic Society, 2011, 94, 1779-1783.	3.8	80
138	Sulfurâ€“carbon composite electrode for all-solid-state Li/S battery with Li2Sâ€“P2S5 solid electrolyte. Electrochimica Acta, 2011, 56, 6055-6059.	5.2	281
139	Preparation of needle-like .ALPHA.-Fe2O3 particles and influences of their morphology on the electrochemical behavior in all-solid-state lithium batteries. Journal of the Ceramic Society of Japan, 2010, 118, 326-328.	1.1	2
140	SnP0.94 active material synthesized in high-boiling solvents for all-solid-state lithium batteries. Journal of the Ceramic Society of Japan, 2010, 118, 620-622.	1.1	16
141	Chemical Bonding of Li Ions in Li₇P₃S₁₁Crystal. Journal of the Physical Society of Japan, 2010, 79, 65-68.	1.6	4
142	Preparation and characterization of superionic conducting Li7P3S11 crystal from glassy liquids. Journal of the Ceramic Society of Japan, 2010, 118, 305-308.	1.1	71
143	Development of sulfide glass-ceramic electrolytes for all-solid-state lithium rechargeable batteries. Journal of Solid State Electrochemistry, 2010, 14, 1761-1767.	2.5	56
144	Characterization of Li2Sâ€“P2S5â€“Cu composite electrode for all-solid-state lithium secondary batteries. Journal of Materials Science, 2010, 45, 377-381.	3.7	22

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