Atsushi Sakuda

List of Publications by Year
in descending order

163 papers	7,291 citations	76031 42 h-index	71088 80 g-index
164 all docs	164 docs citations	164 times ranked	4989 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.	1.1	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.	7.8	25
3	Characteristics of a Li₃BS₃ Thioborate Glass Electrolyte Obtained via a Mechanochemical Process. ACS Applied Energy Materials, 2022, 5, 1421-1426.	2.5	12
4	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.	0.6	1
5	Molybdenum polysulfide electrode with high capacity for all-solid-state sodium battery. Solid State Ionics, 2022, 376, 115848.	1.3	7
6	Studies on the inhibition of lithium dendrite formation in sulfide solid electrolytes doped with LiX (XÂ=ÂBr, I). Solid State Ionics, 2022, 377, 115869.	1.3	15
7	Synthesis of an AlI₃-doped Li₂S positive electrode with superior performance in all-solid-state batteries. Materials Advances, 2022, 3, 2488-2494.	2.6	11
8	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.	0.6	4
9	AC Impedance Analysis of the Degeneration and Recovery of Argyrodite Sulfide-Based Solid Electrolytes under Dry-Room-Simulated Condition. Electrochemistry, 2022, 90, 037012-037012.	0.6	14
10	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.	0.5	2
11	Lithium-ion conductivity and crystallization temperature of multicomponent oxide glass electrolytes. Journal of Non-Crystalline Solids: X, 2022, 14, 100089.	0.5	2
12	Na2Sâ€"NaI solid solution as positive electrode in all-solid-state Na/S batteries. Journal of Power Sources, 2022, 532, 231313.	4.0	8
13	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.	2.5	15
14	Sodium-Ion Conducting Solid Electrolytes in the Na₂Sâ€"In₂S₃ System. Electrochemistry, 2022, 90, 067009-067009.	0.6	5
15	Characterizing the Structural Change of Na₃PS₄ Solid Electrolytes in a Humid N₂ Atmosphere. Journal of Physical Chemistry C, 2022, 126, 7383-7389.	1.5	6
16	Crystalline precursor derived from Li3PS4 and ethylenediamine for ionic conductors. Journal of Sol-Gel Science and Technology, 2022, 104, 627-634.	1.1	2
17	Formation of Passivate Interphases by Na₃BS₃-Glass Solid Electrolytes in All-Solid-State Sodium-Metal Batteries. ACS Applied Materials & Interfaces, 2022, 14, 24480-24485.	4.0	14
18	Amorphous Positive Electrode Materials Prepared Using LiMn_{1.5}Ni_{0.5}O₄ and Lithium Oxyacid Salts. Chemistry Letters, 2022, 51, 815-818.	0.7	2

#	Article	IF	Citations
19	Room-Temperature Preparation of All-Solid-State Lithium Batteries Using TiO₂ Anodes and Oxide Electrolytes. Journal of Physical Chemistry C, 2022, 126, 10320-10326.	1.5	6
20	Preparation and characterization of Na_{2.88}Sb_{0.88}W_{0.12}S_{4âˆ’}<i><sub… solid electrolyte. Journal of the Ceramic Society of Japan, 2022, 130, 498-503.	0.8	8
21	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.	2.5	10
22	Synthesis and Electrochemical Properties of Li₃CuS₂ as a Positive Electrode Material for All-Solid-State Batteries. ACS Applied Energy Materials, 2021, 4, 20-24.	2.5	13
23	Preparation and characterization of sodium-ion conductive Na₃BS₃ glass and glassâ€“ceramic electrolytes. Materials Advances, 2021, 2, 1676-1682.	2.6	19
24	Sheet-Type Solid-State LIB. , 2021, , 119-123.		0
25	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.	1.5	11
26	Solution Process. , 2021, , 77-83.		0
27	Structures and conductivities of stable and metastable Li₅GaS₄ solid electrolytes. RSC Advances, 2021, 11, 25211-25216.	1.7	7
28	High Ionic Conductivity of Liquid-Phase-Synthesized Li₃PS₄ Solid Electrolyte, Comparable to That Obtained via Ball Milling. ACS Applied Energy Materials, 2021, 4, 2275-2281.	2.5	33
29	Improvement of lithium ionic conductivity of Li3PS4 through suppression of crystallization using low-boiling-point solvent in liquid-phase synthesis. Solid State Ionics, 2021, 361, 115568.	1.3	21
30	Improvement of Electrochemical Property of VS₄ Electrode Material by Amorphization via Mechanical Milling Process. Electrochemistry, 2021, 89, 239-243.	0.6	7
31	Preparation and characterization of hexagonal Li4GeO4-based glass-ceramic electrolytes. Solid State Ionics, 2021, 363, 115605.	1.3	9
32	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.	2.5	10
33	Importance of Li-Metal/Sulfide Electrolyte Interphase Ionic Conductivity in Suppressing Short-Circuiting of All-Solid-State Li-Metal Batteries. Journal of the Electrochemical Society, 2021, 168, 060542.	1.3	10
34	<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.	0.7	11
35	Solid electrolytes Na₁₀₊<i>_x</i>Sn₁₊<i>_x</i>P_{2âˆ’}<i>_x</i>S<sub>12</sub… prepared via a mechanochemical process. Journal of the Ceramic Society of Japan, 2021, 129, 323-328.	0.5	2
36	Investigation of the Suppression of Dendritic Lithium Growth with a Lithium-Iodide-Containing Solid Electrolyte. Chemistry of Materials, 2021, 33, 4907-4914.	3.2	30

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37	Microstructure and Charge-discharge Properties of a Li3CuS2 active material for All-Solid-State Batteries. Microscopy and Microanalysis, 2021, 27, 3424-3425.	0.2	0
38	Glassy oxide electrolytes in the system Li₄SiO₄â€“Li₂SO₄ with excellent formability. Journal of the Ceramic Society of Japan, 2021, 129, 458-463.	0.5	2
39	Amorphous Li₂Oâ€“LiI Solid Electrolytes Compatible to Li Metal. Electrochemistry, 2021, 89, 334-336.	0.6	13
40	Electrode performance of amorphous MoS3 in all-solid-state sodium secondary batteries. Journal of Power Sources Advances, 2021, 10, 100061.	2.6	19
41	Development of All-solid-state Batteries. Journal of the Institute of Electrical Engineers of Japan, 2021, 141, 579-582.	0.0	1
42	Mechanochemical synthesis and characterization of Na3â€“P1â€“W S4 solid electrolytes. Journal of Power Sources, 2021, 506, 230100.	4.0	17
43	Crystallization behaviors in superionic conductor Na3PS4. Journal of Power Sources, 2021, 511, 230444.	4.0	9
44	Development, Structure, and Mechanical Properties of Sulfide Solid Electrolytes. , 2021, , 38-48.		0
45	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.	4.0	50
46	Aqueous solution synthesis of Na₃SbS₄â€“Na₂WS₄ superionic conductors. Journal of Materials Chemistry A, 2020, 8, 1947-1954.	5.2	47
47	Dry coating of active material particles with sulfide solid electrolytes for an all-solid-state lithium battery. Journal of Power Sources, 2020, 448, 227579.	4.0	50
48	Synthesis of Sulfide Solid Electrolytes through the Liquid Phase: Optimization of the Preparation Conditions. ACS Omega, 2020, 5, 26287-26294.	1.6	22
49	Exothermal behavior and microstructure of a LiNi1/3Mn1/3Co1/3O2 electrode layer using a Li4SnS4 solid electrolyte. Journal of Power Sources, 2020, 479, 228827.	4.0	22
50	First-Principles Calculation Study of Na⁺ Superionic Conduction Mechanism in W- and Mo-Doped Na₃SbS₄ Solid Electrolytes. Chemistry of Materials, 2020, 32, 8373-8381.	3.2	33
51	Preparation and characterization of composite quasi-solid electrolytes composed of 75Li2SÂ·25P2S5 glass and phosphate esters. Journal of Power Sources, 2020, 479, 228826.	4.0	2
52	Effects of volume variations under different compressive pressures on the performance and microstructure of all-solid-state batteries. Journal of Power Sources, 2020, 473, 228595.	4.0	58
53	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.	1.3	9
54	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.	0.5	19

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55	Elucidation of Capacity Degradation for Graphite in Sulfide-Based All-Solid-State Lithium Batteries: A Void Formation Mechanism. ACS Applied Energy Materials, 2020, 3, 5472-5478.	2.5	13
56	A reversible oxygen redox reaction in bulk-type all-solid-state batteries. Science Advances, 2020, 6, eaax7236.	4.7	34
57	Sulfide Electrolyte Suppressing Side Reactions in Composite Positive Electrodes for All-Solid-State Lithium Batteries. ACS Applied Materials & Interfaces, 2020, 12, 29228-29234.	4.0	7
58	How Certain Are the Reported Ionic Conductivities of Thiophosphate-Based Solid Electrolytes? An Interlaboratory Study. ACS Energy Letters, 2020, 5, 910-915.	8.8	98
59	<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.	2.1	44
60	All-solid-state sodium-sulfur battery showing full capacity with activated carbon MSP20-sulfur-Na3SbS4 composite. Electrochemistry Communications, 2020, 116, 106741.	2.3	18
61	Preparation and Characterization of Cation-Substituted Na₃SbS₄ Solid Electrolytes. ACS Applied Energy Materials, 2020, 3, 11706-11712.	2.5	22
62	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.	0.5	15
63	Quasi-Solid Electrolytes Comprising Sulfide Electrolyte and Carboxylate Esters: Investigation of the Influence of the Carboxylate Ester Structure. Journal of the Electrochemical Society, 2020, 167, 120521.	1.3	1
64	Characterization of quasi-solid electrolytes based on Li₃PS₄ glass with organic carbonate additives. Journal of the Ceramic Society of Japan, 2020, 128, 653-655.	0.5	0
65	Mechanochemical synthesis and characterization of amorphous Li₂CN₂ as a lithium ion conductor. Journal of the Ceramic Society of Japan, 2019, 127, 518-520.	0.5	10
66	Ion-exchange Synthesis of Li₂NaPS₄ from Na₃PS₄. Chemistry Letters, 2019, 48, 863-865.	0.7	0
67	New lithium-conducting nitride glass Li3BN2. Solid State Ionics, 2019, 339, 114985.	1.3	13
68	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.	0.5	5
69	Microstructure and conductivity of Al-substituted Li7La3Zr2O12 ceramics with different grain sizes. Solid State Ionics, 2019, 342, 115047.	1.3	7
70	Metastable Materials for All-Solid-State Batteries. Electrochemistry, 2019, 87, 247-250.	0.6	12
71	Mechanochemical Synthesis of Na-Sb Alloy Negative Electrodes and Their Application to All-solid-state Sodium Batteries. Electrochemistry, 2019, 87, 289-293.	0.6	10
72	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.	5.2	127

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73	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.	1.5	53
74	Preparation and characterization of lithium ion conductive Li3SbS4 glass and glass-ceramic electrolytes. Solid State Ionics, 2019, 333, 45-49.	1.3	67
75	Lithium Dissolution/Deposition Behavior of Al-Doped Li₇La₃Zr₂O₁₂ Ceramics with Different Grain Sizes. Journal of the Electrochemical Society, 2019, 166, A5470-A5473.	1.3	15
76	Quantitative analysis of crystallinity in an argyrodite sulfide-based solid electrolyte synthesized via solution processing. RSC Advances, 2019, 9, 14465-14471.	1.7	22
77	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.	2.5	19
78	Suspension synthesis of Na3-PS4-Cl solid electrolytes. Journal of Power Sources, 2019, 428, 131-135.	4.0	17
79	Sulfurâ€Based Composite Electrode with Interconnected Mesoporous Carbon for Allâ€Solidâ€State Lithiumâ€"Sulfur Batteries. Energy Technology, 2019, 7, 1900077.	1.8	38
80	Fast Cationic and Anionic Redox Reactions in Li₂RuO₃-Li₂SO₄ Positive Electrode Materials. ACS Applied Energy Materials, 2019, 2, 1594-1599.	2.5	6
81	Amorphous Niâ€Rich Li(Ni_{1â^'}<i>_x</i>_{â^'}<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.	1.9	12
82	Formation of interfacial contact with ductile Li3BO3-based electrolytes for improving cyclability in all-solid-state batteries. Journal of Power Sources, 2019, 424, 215-219.	4.0	20
83	All-solid-state cells with Li4Ti5O12/carbon nanotube composite electrodes prepared by infiltration with argyrodite sulfide-based solid electrolytes via liquid-phase processing. Journal of Power Sources, 2019, 417, 125-131.	4.0	27
84	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. Nature Reviews Chemistry, 2019, 3, 189-198.	13.8	238
85	A sodium-ion sulfide solid electrolyte with unprecedented conductivity at room temperature. Nature Communications, 2019, 10, 5266.	5.8	216
86	Sulfurâ€Based Composite Electrode with Interconnected Mesoporous Carbon for Allâ€Solidâ€State Lithiumâ€"Sulfur Batteries. Energy Technology, 2019, 7, 1980393.	1.8	6
87	Amorphous Na₂TiS₃ as an Active Material for All-solid-state Sodium Batteries. Chemistry Letters, 2019, 48, 288-290.	0.7	7
88	Development of Solid Electrolytes for All-Solid-State Batteries. Nippon Gomu Kyokaishi, 2019, 92, 430-434.	0.0	0
89	Development of Next Generation Battery Materials by Mechanochemical Process. Journal of the Society of Powder Technology, Japan, 2019, 56, 452-458.	0.0	0
90	Mechanical Properties of Li₂Sâ€"P₂S₅ Glasses with Lithium Halides and Application in All-Solid-State Batteries. ACS Applied Energy Materials, 2018, 1, 1002-1007.	2.5	126

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91	Structure analyses of Fe-substituted Li2S-based positive electrode materials for Li-S batteries. Solid State Ionics, 2018, 320, 387-391.	1.3	11
92	Amorphous LiCoO2-based Positive Electrode Active Materials with Good Formability for All-Solid-State Rechargeable Batteries. MRS Advances, 2018, 3, 1319-1327.	0.5	10
93	Binder-free sheet-type all-solid-state batteries with enhanced rate capabilities and high energy densities. Scientific Reports, 2018, 8, 1212.	1.6	97
94	Preparation of Na3PS4 electrolyte by liquid-phase process using ether. Solid State Ionics, 2018, 320, 33-37.	1.3	17
95	Preparation of Sodium Ion Conductive Na₁₀GeP₂S₁₂ Glass-ceramic Electrolytes. Chemistry Letters, 2018, 47, 13-15.	0.7	35
96	Slurry mixing for fabricating silicon-composite electrodes in all-solid-state batteries with high areal capacity and cycling stability. Journal of Power Sources, 2018, 402, 506-512.	4.0	65
97	A Reversible Rocksalt to Amorphous Phase Transition Involving Anion Redox. Scientific Reports, 2018, 8, 15086.	1.6	21
98	Favorable composite electrodes for all-solid-state batteries. Journal of the Ceramic Society of Japan, 2018, 126, 675-683.	0.5	22
99	Amorphization of Sodium Cobalt Oxide Active Materials for High-Capacity All-Solid-State Sodium Batteries. Chemistry of Materials, 2018, 30, 6998-7004.	3.2	12
100	Mechanical properties of sulfide glasses in all-solid-state batteries. Journal of the Ceramic Society of Japan, 2018, 126, 719-727.	0.5	75
101	Analysis of the discharge/charge mechanism in VS4 positive electrode material. Solid State Ionics, 2018, 323, 32-36.	1.3	19
102	Oxide-Based Composite Electrolytes Using Na₃Zr₂Si₂PO₁₂/Na₃PS₄ Interfacial Ion Transfer. ACS Applied Materials & Interfaces, 2018, 10, 19605-19614.	4.0	15
103	Mechanochemically Prepared Li₂Sâ€"P₂S₅â€"LiBH₄ Solid Electrolytes with an Argyrodite Structure. ACS Omega, 2018, 3, 5453-5458.	1.6	41
104	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.	1.3	44
105	Lithium dissolution/deposition behavior with Li3PS4-LiI electrolyte for all-solid-state batteries operating at high temperatures. Electrochimica Acta, 2018, 286, 158-162.	2.6	83
106	Preparation of an Amorphous 80LiCoO₂Â·20Li₂SO₄ Thin Film Electrode by Pulsed Laser Deposition. Electrochemistry, 2018, 86, 246-249.	0.6	2
107	Mechanochemical Synthesis and Characterization of Metastable Hexagonal Li₄SnS₄ Solid Electrolyte. Inorganic Chemistry, 2018, 57, 9925-9930.	1.9	59
108	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.	0.6	14

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109	Optical microscopic observation of graphite composite negative electrodes in all-solid-state lithium batteries. Solid State Ionics, 2018, 323, 123-129.	1.3	31
110	Amorphous Metal Polysulfides: Electrode Materials with Unique Insertion/Extraction Reactions. Journal of the American Chemical Society, 2017, 139, 8796-8799.	6.6	84
111	Preparation and characterization of glass solid electrolytes in the pseudoternary system Li 3 BO 3 -Li 2 SO 4 -Li 2 CO 3. Solid State Ionics, 2017, 308, 68-76.	1.3	40
112	Recent progress on interface formation in all-solid-state batteries. Current Opinion in Electrochemistry, 2017, 6, 108-114.	2.5	41
113	All-Solid-State Battery Electrode Sheets Prepared by a Slurry Coating Process. Journal of the Electrochemical Society, 2017, 164, A2474-A2478.	1.3	125
114	Electronic and Ionic Conductivities of LiNi_{1/3}Mn_{1/3}Co_{1/3}O₂-Li₃PS₄Positive Composite Electrodes for All-Solid-State Lithium Batteries. Journal of the Electrochemical Society, 2017, 164, A3960-A3963.	1.3	47
115	Development of Li₂TiS₃–Li₃NbS₄ by a mechanochemical process. Journal of the Ceramic Society of Japan, 2017, 125, 268-271.	0.5	11
116	Cubic Rocksalt Li₂SnS₃ and a Solid Solution with Li₃NbS₄ Prepared by Mechanochemical Synthesis. Electrochemistry, 2017, 85, 580-584.	0.6	11
117	Fabrication of composite positive electrode sheet with high active material content and effect of fabrication pressure for all-solid-state battery. Journal of the Ceramic Society of Japan, 2017, 125, 391-395.	0.5	58
118	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.	0.5	48
119	Title is missing!. Electrochemistry, 2017, 85, 586-590.	0.6	0
120	High Reversibility of â€œSoftâ€•Electrode Materials in All-Solid-State Batteries. Frontiers in Energy Research, 2016, 4, .	1.2	22
121	Development of Sulfide Solid Electrolytes and Interface Formation Processes for Bulk-Type All-Solid-State Li and Na Batteries. Frontiers in Energy Research, 2016, 4, .	1.2	148
122	Preparation of Li2Sâ€“FePS3 composite positive electrode materials and their electrochemical properties. Solid State Ionics, 2016, 288, 199-203.	1.3	12
123	Electrode morphology in all-solid-state lithium secondary batteries consisting of LiNi1/3Co1/3Mn1/3O2 and Li2S-P2S5 solid electrolytes. Solid State Ionics, 2016, 285, 112-117.	1.3	114
124	Analyses of Charge/Discharge Mechanism of Fe-Containing Li2S-Based Positive Electrode Material Using X-Ray Absorption and Scattering Measurements. ECS Meeting Abstracts, 2016, , .	0.0	0
125	Analysis of Charge-Discharge Mechanism of Titanium Polysulfide Electrode Materials for Lithium/Metal-Polysulfide Secondary Batteries. ECS Meeting Abstracts, 2016, , .	0.0	0
126	Operando Observation and Analysis of Reaction Distribution in Composite Electrodes for All-Solid-State Lithium Ion Batteries. ECS Meeting Abstracts, 2016, , .	0.0	0

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127	Sheet-Type All-Solid-State Batteries Using Electrode Sheets with Effective Electrode-Electrolyte Interface. ECS Meeting Abstracts, 2016, , .	0.0	0
128	Application of LiCoO₂Particles Coated with Lithium Ortho-Oxosalt Thin Films to Sulfide-Type All-Solid-State Lithium Batteries. Journal of the Electrochemical Society, 2015, 162, A1610-A1616.	1.3	58
129	Preparation of Li₂S-FeS<i>_x</i>Composite Positive Electrode Materials and Their Electrochemical Properties with Pre-Cycling Treatments. Journal of the Electrochemical Society, 2015, 162, A1745-A1750.	1.3	25
130	Evaluation of mechanical properties of Na₂Sâ€“P₂S₅ sulfide glass electrolytes. Journal of Materials Chemistry A, 2015, 3, 22061-22065.	5.2	59
131	Rapid Preparation of Li2S-P2S5 Solid Electrolyte and Its Application for Graphite/Li2S All-Solid-State Lithium Secondary Battery. ECS Electrochemistry Letters, 2014, 3, A31-A35.	1.9	23
132	Amorphous Niobium Sulfides as Novel Positive-Electrode Materials. ECS Electrochemistry Letters, 2014, 3, A79-A81.	1.9	46
133	Preparation of LiMn2O4 cathode thin films for thin film lithium secondary batteries by a mist CVD process. Materials Research Bulletin, 2014, 53, 196-198.	2.7	13
134	Composite positive electrode based on amorphous titanium polysulfide for application in all-solid-state lithium secondary batteries. Solid State Ionics, 2014, 262, 143-146.	1.3	20
135	Application of graphiteâ€“solid electrolyte composite anode in all-solid-state lithium secondary battery with Li2S positive electrode. Solid State Ionics, 2014, 262, 138-142.	1.3	40
136	Preparation of Novel Electrode Materials Based on Lithium Niobium Sulfides. Electrochemistry, 2014, 82, 880-883.	0.6	12
137	Bulk-type All-solid-state Lithium Secondary Batteries Using Highly Ion-conductive Sulfide Solid Electrolyte Thin Films. Electrochemistry, 2014, 82, 591-594.	0.6	10
138	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.	0.5	15
139	Evaluation of youngâ€™s modulus of Li₂Sâ€“P₂S₅â€“P₂O<sub>5</sub oxysulfide glass solid electrolytes. Journal of the Ceramic Society of Japan, 2014, 122, 552-555.	0.5	41
140	Rock-salt-type lithium metal sulphides as novel positive-electrode materials. Scientific Reports, 2014, 4, 4883.	1.6	74
141	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.	1.2	21
142	Sulfide Solid Electrolyte with Favorable Mechanical Property for All-Solid-State Lithium Battery. Scientific Reports, 2013, 3, 2261.	1.6	702
143	Amorphous TiS4 positive electrode for lithiumâ€“sulfur secondary batteries. Electrochemistry Communications, 2013, 31, 71-75.	2.3	61
144	Preparation and ionic conductivities of (100Ââˆ’Âx)(0.75Li2SÂ·0.25P2S5)Â·xLiBH4 glass electrolytes. Journal of Power Sources, 2013, 244, 707-710.	4.0	85

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145	Preparation of Li2Sâ€“GeS2 solid electrolyte thin films using pulsed laser deposition. Solid State Ionics, 2013, 236, 1-4.	1.3	23
146	All-Solid-State Lithium Secondary Batteries Using NiS-Carbon Fiber Composite Electrodes Coated with Li₂Sâ€“P₂S₅ Solid Electrolytes by Pulsed Laser Deposition. ACS Applied Materials & Interfaces, 2013, 5, 686-690.	4.0	64
147	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.	0.5	149
148	Preparation of Li2S-FeS2 Composite Electrode Materials and their Electrochemical Properties. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2013, 60, 13-18.	0.1	3
149	Bulk-Type All-Solid-State Lithium Secondary Battery with Li2S-P2S5 Thin-Film Separator. Electrochemistry, 2012, 80, 839-841.	0.6	9
150	Amorphous Titanium Sulfide Electrode for All-solid-state Rechargeable Lithium Batteries with High Capacity. Chemistry Letters, 2012, 41, 886-888.	0.7	55
151	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.	0.7	29
152	Superionic glass-ceramic electrolytes for room-temperature rechargeable sodium batteries. Nature Communications, 2012, 3, 856.	5.8	795
153	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
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#	Article	IF	Citations
163	Improvement of High-Rate Performance of All-Solid-State Lithium Secondary Batteries Using LiCoO[sub 2] Coated with Li[sub 2]Oâ€"SiO[sub 2] Glasses. Electrochemical and Solid-State Letters, 2008, 11, A1.	2.2	131