

Masahiro Tatsumisago

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

259 papers	9,889 citations	46 h-index	91 g-index
268 ext. papers	11,197 ext. citations	4.6 avg, IF	6.52 L-index

#	Paper	IF	Citations
259	Mechanochemical synthesis of amorphous MoS_x ($x = 3, 4, 5, 6, \text{ and } 7$) electrode for all-solid-state sodium battery. <i>Journal of the Ceramic Society of Japan</i> , 2022 , 130, 308-312	1	
258	High Rate Capability from a Graphite Anode through Surface Modification with Lithium Iodide for All-Solid-State Batteries. <i>ACS Applied Energy Materials</i> , 2022 , 5, 667-673	6.1	2
257	Characterizing the Structural Change of Na_3PS_4 Solid Electrolytes in a Humid N_2 Atmosphere. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 7383-7389	3.8	0
256	Microstructure and Charge/Discharge Mechanism of a Li_3CuS_2 Positive Electrode Material for All-Solid-State Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 6290-6295	6.1	2
255	In situ observation of the deterioration process of sulfide-based solid electrolytes using airtight and air-flow TEM systems. <i>Microscopy (Oxford, England)</i> , 2021 , 70, 519-525	1.3	2
254	Solid electrolytes $\text{Na}_{10+x}\text{Sn}_{1+x}\text{P}_2\text{S}_{12}$ prepared via a mechanochemical process. <i>Journal of the Ceramic Society of Japan</i> , 2021 , 129, 323-328	1	1
253	Investigation of the Suppression of Dendritic Lithium Growth with a Lithium-Iodide-Containing Solid Electrolyte. <i>Chemistry of Materials</i> , 2021 , 33, 4907-4914	9.6	12
252	Glassy oxide electrolytes in the system $\text{Li}_4\text{SiO}_4\text{-Li}_2\text{SO}_4$ with excellent formability. <i>Journal of the Ceramic Society of Japan</i> , 2021 , 129, 458-463	1	1
251	Amorphous $\text{Li}_2\text{O-LiI}$ Solid Electrolytes Compatible to Li Metal. <i>Electrochemistry</i> , 2021 , 89, 334-336	1.2	6
250	Comparison of Sulfur Cathode Reactions between a Concentrated Liquid Electrolyte System and a Solid-State Electrolyte System by Soft X-Ray Absorption Spectroscopy. <i>ACS Applied Energy Materials</i> , 2021 , 4, 186-193	6.1	3
249	Preparation and characterization of sodium-ion conductive Na_3BS_3 glass and glass-ceramic electrolytes. <i>Materials Advances</i> , 2021 , 2, 1676-1682	3.3	3
248	Visualizing Local Electrical Properties of Composite Electrodes in Sulfide All-Solid-State Batteries by Scanning Probe Microscopy. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 2841-2849	3.8	5
247	Structures and conductivities of stable and metastable LiGaS solid electrolytes. <i>RSC Advances</i> , 2021 , 11, 25211-25216	3.7	2
246	Sulfide-glass Electrolytes for All-solid-state Batteries 2021 , 1125-1134		
245	Electrode performance of amorphous MoS_3 in all-solid-state sodium secondary batteries. <i>Journal of Power Sources Advances</i> , 2021 , 10, 100061	3.3	7
244	Visualization and Control of Chemically Induced Crack Formation in All-Solid-State Lithium-Metal Batteries with Sulfide Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5000-5007	9.5	19
243	Reaction uniformity visualized by Raman imaging in the composite electrode layers of all-solid-state lithium batteries. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 13271-13276	3.6	5

242	High-rate operation of sulfur/mesoporous activated carbon composite electrode for all-solid-state lithium-sulfur batteries. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 233-237	1	5
241	A reversible oxygen redox reaction in bulk-type all-solid-state batteries. <i>Science Advances</i> , 2020 , 6, eaax7236	14.5	16
240	Sulfide Electrolyte Suppressing Side Reactions in Composite Positive Electrodes for All-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29228-29234	9.5	4
239	Confocal Microscopy for Dynamic Changes of Li Ion Conduction Path in Graphite Electrode Layers of All-Solid-State Batteries. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 900-904	6.4	22
238	Characterization of quasi-solid electrolytes based on Li3PS4 glass with organic carbonate additives. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 653-655	1	
237	Preparation of sodium-ion-conductive Na3SbS4/Clx solid electrolytes. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 641-647	1	3
236	All-solid-state sodium-sulfur battery showing full capacity with activated carbon MSP20-sulfur-Na3SbS4 composite. <i>Electrochemistry Communications</i> , 2020 , 116, 106741	5.1	11
235	Preparation and Characterization of Cation-Substituted Na3SbS4 Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11706-11712	6.1	6
234	Aqueous solution synthesis of Na3SbS4/Na2WS4 superionic conductors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1947-1954	13	19
233	Synthesis of Sulfide Solid Electrolytes through the Liquid Phase: Optimization of the Preparation Conditions. <i>ACS Omega</i> , 2020 , 5, 26287-26294	3.9	13
232	Metastable Materials for All-Solid-State Batteries. <i>Electrochemistry</i> , 2019 , 87, 247-250	1.2	7
231	Mechanochemical Synthesis of Na-Sb Alloy Negative Electrodes and Their Application to All-solid-state Sodium Batteries. <i>Electrochemistry</i> , 2019 , 87, 289-293	1.2	5
230	An argyrodite sulfide-based superionic conductor synthesized by a liquid-phase technique with tetrahydrofuran and ethanol. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 558-566	13	79
229	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. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 3292-3298	3.8	35
228	Quantitative analysis of crystallinity in an argyrodite sulfide-based solid electrolyte synthesized solution processing.. <i>RSC Advances</i> , 2019 , 9, 14465-14471	3.7	12
227	Highly Stable Li/Li3BO3/Li2SO4 Interface and Application to Bulk-Type All-Solid-State Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3042-3048	6.1	7
226	Sulfur-Based Composite Electrode with Interconnected Mesoporous Carbon for All-Solid-State Lithium-Sulfur Batteries. <i>Energy Technology</i> , 2019 , 7, 1900077	3.5	18
225	Fast Cationic and Anionic Redox Reactions in Li2RuO3-Li2SO4 Positive Electrode Materials. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1594-1599	6.1	3

224	Amorphous Ni-Rich $\text{Li}(\text{Ni}_{1-x}\text{Mn}_x\text{Co}_x)\text{O}_2/\text{Li}_2\text{SO}_4$ Positive Electrode Materials for Bulk-Type All-Oxide Solid-State Batteries. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1802016	4.6	8
223	Mechanochemical synthesis and characterization of amorphous Li_2CN_2 as a lithium ion conductor. <i>Journal of the Ceramic Society of Japan</i> , 2019 , 127, 518-520	1	9
222	Ion-exchange Synthesis of Li_2NaPS_4 from Na_3PS_4 . <i>Chemistry Letters</i> , 2019 , 48, 863-865	1.7	
221	Mechanochemical synthesis of cubic rocksalt Na_2TiS_3 as novel active materials for all-solid-state sodium secondary batteries. <i>Journal of the Ceramic Society of Japan</i> , 2019 , 127, 514-517	1	4
220	Development of Next Generation Battery Materials by Mechanochemical Process. <i>Journal of the Society of Powder Technology, Japan</i> , 2019 , 56, 452-458	0.3	
219	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. <i>Nature Reviews Chemistry</i> , 2019 , 3, 189-198	34.6	138
218	A sodium-ion sulfide solid electrolyte with unprecedented conductivity at room temperature. <i>Nature Communications</i> , 2019 , 10, 5266	17.4	108
217	Sulfur-Based Composite Electrode with Interconnected Mesoporous Carbon for All-Solid-State Lithium-Sulfur Batteries. <i>Energy Technology</i> , 2019 , 7, 1980393	3.5	3
216	Amorphous Na_2TiS_3 as an Active Material for All-solid-state Sodium Batteries. <i>Chemistry Letters</i> , 2019 , 48, 288-290	1.7	5
215	Mechanical Properties of $\text{Li}_2\text{S-P}_2\text{S}_5$ Glasses with Lithium Halides and Application in All-Solid-State Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1002-1007	6.1	89
214	Crystallization behavior of the LiS-PS glass electrolyte in the LiNiMnCoO positive electrode layer. <i>Scientific Reports</i> , 2018 , 8, 6214	4.9	22
213	Amorphous LiCoO_2 -based Positive Electrode Active Materials with Good Formability for All-Solid-State Rechargeable Batteries. <i>MRS Advances</i> , 2018 , 3, 1319-1327	0.7	8
212	Preparation of Sodium Ion Conductive $\text{Na}_{10}\text{GeP}_2\text{S}_{12}$ Glass-ceramic Electrolytes. <i>Chemistry Letters</i> , 2018 , 47, 13-15	1.7	20
211	High-Temperature Performance of All-Solid-State Lithium-Metal Batteries Having $\text{Li}/\text{Li}_3\text{PS}_4$ Interfaces Modified with Au Thin Films. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A1950-A1954	3.9	28
210	Lithium-Ion-Conducting Argyrodite-Type $\text{Li}_6\text{PS}_5\text{X}$ (X = Cl, Br, I) Solid Electrolytes Prepared by a Liquid-Phase Technique Using Ethanol as a Solvent. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3622-3629	6.1	69
209	Preparation of an Amorphous $80\text{LiCoO}_2/20\text{Li}_2\text{SO}_4$ Thin Film Electrode by Pulsed Laser Deposition. <i>Electrochemistry</i> , 2018 , 86, 246-249	1.2	2
208	Mechanochemical Synthesis and Characterization of Metastable Hexagonal LiSnS Solid Electrolyte. <i>Inorganic Chemistry</i> , 2018 , 57, 9925-9930	5.1	40
207	Electrochemical Properties of All-solid-state Lithium Batteries with Amorphous FeS_x -based Composite Positive Electrodes Prepared via Mechanochemistry. <i>Electrochemistry</i> , 2018 , 86, 175-178	1.2	11

206	Liquid-phase sintering of highly Na ⁺ ion conducting Na ₃ Zr ₂ Si ₂ PO ₁₂ ceramics using Na ₃ BO ₃ additive. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1255-1265	3.8	44
205	Thermal behavior and microstructures of cathodes for liquid electrolyte-based lithium batteries. <i>Scientific Reports</i> , 2018 , 8, 15613	4.9	14
204	Amorphization of Sodium Cobalt Oxide Active Materials for High-Capacity All-Solid-State Sodium Batteries. <i>Chemistry of Materials</i> , 2018 , 30, 6998-7004	9.6	9
203	Mechanical properties of sulfide glasses in all-solid-state batteries. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 719-727	1	46
202	Oxide-Based Composite Electrolytes Using NaZrSiPO/NaPS Interfacial Ion Transfer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19605-19614	9.5	12
201	Mechanochemically Prepared LiS-PS-LiBH Solid Electrolytes with an Argyrodite Structure. <i>ACS Omega</i> , 2018 , 3, 5453-5458	3.9	24
200	Sodium thiophosphate electrolyte thin films prepared by pulsed laser deposition for bulk-type all-solid-state sodium rechargeable batteries. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 475-481 [†]		5
199	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. <i>Journal of Power Sources</i> , 2017 , 348, 1-8	8.9	21
198	A novel discharge/charge mechanism of a S ₂ S ₅ composite electrode without electrolytes in all-solid-state Li/S batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11224-11228	13	38
197	Effects of the microstructure of solid-electrolyte-coated LiCoO ₂ on its discharge properties in all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10658-10668	13	43
196	Structural and Electronic-State Changes of a Sulfide Solid Electrolyte during the Li Deinsertion/Insertion Processes. <i>Chemistry of Materials</i> , 2017 , 29, 4768-4774	9.6	111
195	Solution-based sequential modification of LiCoO ₂ particle surfaces with iron(II) oxalate nanolayers. <i>CrystEngComm</i> , 2017 , 19, 4175-4181	3.3	0
194	Li ₂ S-Based Solid Solutions as Positive Electrodes with Full Utilization and Superlong Cycle Life in All-Solid-State Li/S Batteries. <i>Advanced Sustainable Systems</i> , 2017 , 1, 1700017	5.9	63
193	All-Solid-State Na/S Batteries with a Na ₃ PS ₄ Electrolyte Operating at Room Temperature. <i>Chemistry of Materials</i> , 2017 , 29, 5232-5238	9.6	95
192	Lithium/Sulfur Battery Electrolytes 2017 , 149-194		
191	Electrical and mechanical properties of glass and glass-ceramic electrolytes in the system Li ₃ BO ₃ -Li ₂ SO ₄ . <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 433-437	1	37
190	Characterization of sulfur nanocomposite electrodes containing phosphorus sulfide for high-capacity all-solid-state Na/S batteries. <i>Solid State Ionics</i> , 2017 , 311, 6-13	3.3	24
189	The crystal structure and sodium disorder of high-temperature polymorph β -Na ₃ PS ₄ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25025-25030	13	32

188	Direct observation of a non-crystalline state of LiS-PS solid electrolytes. <i>Scientific Reports</i> , 2017 , 7, 4142	4.9	31
187	X-ray photoelectron spectroscopy for sulfide glass electrolytes in the systems Li ₂ S–P ₂ S ₅ and Li ₂ S–P ₂ S ₅ –LiBr. <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 597-601	1	24
186	Mechanochemical synthesis and crystallization of Li ₃ BO ₃ –Li ₂ CO ₃ glass electrolytes. <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 915-919	1	19
185	Structure analyses using X-ray photoelectron spectroscopy and X-ray absorption near edge structure for amorphous MS ₃ (M: Ti, Mo) electrodes in all-solid-state lithium batteries. <i>Journal of Power Sources</i> , 2016 , 313, 104-111	8.9	30
184	Soft mechanochemical synthesis and electrochemical behavior of LiVMoO ₆ for all-solid-state lithium batteries. <i>Journal of Materials Science</i> , 2016 , 51, 3574-3584	4.3	1
183	Preparation and characterization of Na ₃ BO ₃ ·Na ₂ SO ₄ glass electrolytes with Na ⁺ ion conductivity prepared by a mechanical milling techniquePeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2016 , 4, 6-10	2.4	6
182	Raman Spectroscopy for LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ Composite Positive Electrodes in All-Solid-State Lithium Batteries. <i>Electrochemistry</i> , 2016 , 84, 812-814	1.2	17
181	Improved electrochemical performance of amorphous TiS ₃ electrodes compared to its crystal for all-solid-state rechargeable lithium batteries. <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 242-246 ¹		10
180	Liquid-phase step-by-step growth of an iron cyanide coordination framework on LiCoO ₂ particle surfaces. <i>Dalton Transactions</i> , 2015 , 44, 15279-85	4.3	5
179	Electrochemical properties of all-solid-state lithium batteries with amorphous MoS ₃ electrodes prepared by mechanical milling. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14142-14147	13	50
178	Evaluation of mechanical properties of Na ₂ S·P ₂ S ₅ sulfide glass electrolytes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22061-22065	13	45
177	All-solid-state sodium batteries using amorphous TiS ₃ electrode with high capacity. <i>Journal of Power Sources</i> , 2015 , 275, 284-287	8.9	51
176	Thio-oxynitride phosphate glass electrolytes prepared by mechanical milling. <i>Journal of Materials Research</i> , 2015 , 30, 2940-2948	2.5	4
175	Sodium-ion Conducting Na ₃ PS ₄ Electrolyte Synthesized via a Liquid-phase Process Using N-Methylformamide. <i>Chemistry Letters</i> , 2015 , 44, 884-886	1.7	29
174	Highly Utilized Lithium Sulfide Active Material by Enhancing Conductivity in All-solid-state Batteries. <i>Chemistry Letters</i> , 2015 , 44, 1664-1666	1.7	35
173	Preparation of Composites with LiCoPO ₄ Electrode and LiTi ₂ (PO ₄) ₃ Electrolyte for Bulk-type All-solid-state Lithium Batteries. <i>Electrochemistry</i> , 2015 , 83, 898-901	1.2	5
172	Structure Analyses of Amorphous MoS ₃ Active Materials in All-solid-state Lithium Batteries. <i>Electrochemistry</i> , 2015 , 83, 889-893	1.2	25
171	Preparation and electrochemical characterization of (100 ±)(0.7Li ₂ S·0.3P ₂ S ₅)·LiBr glass/ceramic electrolytes. <i>Materials for Renewable and Sustainable Energy</i> , 2014 , 3, 1	4.7	18

170	Liquid-phase synthesis of a Li ₃ PS ₄ solid electrolyte using N-methylformamide for all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5095	13	107
169	A sulphide lithium super ion conductor is superior to liquid ion conductors for use in rechargeable batteries. <i>Energy and Environmental Science</i> , 2014 , 7, 627-631	35.4	771
168	Preparation conditions of NiS active material in high-boiling solvents for all-solid-state lithium secondary batteries. <i>New Journal of Chemistry</i> , 2014 , 38, 1731-1737	3.6	10
167	Structure and properties of the Na ₂ S ₂ P ₂ S ₅ glasses and glass-ceramics prepared by mechanical milling. <i>Journal of Power Sources</i> , 2014 , 269, 260-265	8.9	54
166	X-ray Crystal Structure Analysis of Sodium-Ion Conductivity in 94 Na ₃ PS ₄ /6 Na ₄ Si ₃ S ₄ Glass-Ceramic Electrolytes. <i>ChemElectroChem</i> , 2014 , 1, 1130-1132	4.3	76
165	Preparation and characterization of highly sodium ion conducting Na ₃ PS ₄ /Na ₄ Si ₃ S ₄ solid electrolytes. <i>RSC Advances</i> , 2014 , 4, 17120-17123	3.7	123
164	Bulk-type All-solid-state Lithium Secondary Batteries Using Highly Ion-conductive Sulfide Solid Electrolyte Thin Films. <i>Electrochemistry</i> , 2014 , 82, 591-594	1.2	9
163	Li ₄ GeS ₄ /Li ₃ PS ₄ electrolyte thin films with highly ion-conductive crystals prepared by pulsed laser deposition. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 341-345	1	14
162	Evaluation of young's modulus of Li ₂ S ₂ P ₂ S ₅ /P ₂ O ₅ oxysulfide glass solid electrolytes. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 552-555	1	27
161	Preparation of Li ₃ BO ₃ /Li ₂ SO ₄ glass-ceramic electrolytes for all-oxide lithium batteries. <i>Journal of Power Sources</i> , 2014 , 270, 603-607	8.9	78
160	Sulfide Glass-Ceramic Electrolytes for All-Solid-State Lithium and Sodium Batteries. <i>International Journal of Applied Glass Science</i> , 2014 , 5, 226-235	1.8	114
159	Synthesis of monodispersed lithium silicate particles using the sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 65, 41-45	2.3	5
158	Electrochemical properties of all-solid-state lithium batteries with amorphous titanium sulfide electrodes prepared by mechanical milling. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 2697-2701	2.6	18
157	Suppression of H ₂ S gas generation from the 75Li ₂ S/25P ₂ S ₅ glass electrolyte by additives. <i>Journal of Materials Science</i> , 2013 , 48, 4137-4142	4.3	53
156	All-solid-state batteries with Li ₂ O-Li ₂ S-P ₂ S ₅ glass electrolytes synthesized by two-step mechanical milling. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 2551-2557	2.6	34
155	Sulfide solid electrolyte with favorable mechanical property for all-solid-state lithium battery. <i>Scientific Reports</i> , 2013 , 3, 2261	4.9	504
154	Improvement of chemical stability of Li ₃ PS ₄ glass electrolytes by adding M _x O _y (M = Fe, Zn, and Bi) nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6320	13	115
153	Synthesis of monodispersed silica nanoparticles with high concentration by the Stober process. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 68, 341-345	2.3	39

152	Electrochemical Performance of All-Solid-State Li/S Batteries with Sulfur-Based Composite Electrodes Prepared by Mechanical Milling at High Temperature. <i>Energy Technology</i> , 2013 , 1, 186-192	3.5	71
151	Preparation and ionic conductivity of (100-x)(0.8Li ₂ S _{0.2} P ₂ S ₅) _{1-x} LiI glass-ceramic electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 675-680	2.6	38
150	Evaluation of elastic modulus of Li ₂ S _{0.2} P ₂ S ₅ glassy solid electrolyte by ultrasonic sound velocity measurement and compression test. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 946-949	1	100
149	Formation of Li ₂ S _{0.2} P ₂ S ₅ Solid Electrolyte from N-Methylformamide Solution. <i>Chemistry Letters</i> , 2013 , 42, 1435-1437	1.7	25
148	Glass Electrolytes with High Ion Conductivity and High Chemical Stability in the System LiI-Li ₂ O-Li ₂ S-P ₂ S ₅ . <i>Electrochemistry</i> , 2013 , 81, 428-431	1.2	46
147	Preparation of Co ₃ (OH) ₂ and Ni ₃ (OH) ₂ layered double hydroxide thin films by a sol-gel process with hot water treatment. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 62, 111-116	2.3	22
146	Amorphous Titanium Sulfide Electrode for All-solid-state Rechargeable Lithium Batteries with High Capacity. <i>Chemistry Letters</i> , 2012 , 41, 886-888	1.7	48
145	All-solid-state Lithium Secondary Batteries Using Li ₂ S _{0.2} P ₂ S ₅ Solid Electrolytes and LiFePO ₄ Electrode Particles with Amorphous Surface Layer. <i>Chemistry Letters</i> , 2012 , 41, 260-261	1.7	24
144	Superionic glass-ceramic electrolytes for room-temperature rechargeable sodium batteries. <i>Nature Communications</i> , 2012 , 3, 856	17.4	603
143	High-capacity Li ₂ S _{0.2} -nanocarbon composite electrode for all-solid-state rechargeable lithium batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10015		210
142	All-solid-state lithium secondary batteries with metal-sulfide-coated LiCoO ₂ prepared by thermal decomposition of dithiocarbamate complexes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15247		46
141	Invited paper: Recent development of bulk-type solid-state rechargeable lithium batteries with sulfide glass-ceramic electrolytes. <i>Electronic Materials Letters</i> , 2012 , 8, 199-207	2.9	62
140	Preparation of amorphous TiS _x thin film electrodes by the PLD method and their application to all-solid-state lithium secondary batteries. <i>Journal of Materials Science</i> , 2012 , 47, 6601-6606	4.3	13
139	Bulk-Type Lithium Metal Secondary Battery with Indium Thin Layer at Interface between Li Electrode and Li ₂ S-P ₂ S ₅ Solid Electrolyte. <i>Electrochemistry</i> , 2012 , 80, 734-736	1.2	60
138	Bulk-Type All-Solid-State Lithium Secondary Battery with Li ₂ S-P ₂ S ₅ Thin-Film Separator. <i>Electrochemistry</i> , 2012 , 80, 839-841	1.2	9
137	Synthesis of nanosized nickel sulfide in high-boiling solvent for all-solid-state lithium secondary batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2987		69
136	Crystallization Process for Superionic Li ₇ P ₃ S ₁₁ Glass-Ceramic Electrolytes. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1779-1783	3.8	65
135	Synthesis of Needlelike and Platelike SnS Active Materials in High-Boiling Solvents and Their Application to All-Solid-State Lithium Secondary Batteries. <i>Crystal Growth and Design</i> , 2011 , 11, 3900-3904	2.5	31

134	Fabrication of electrode electrolyte interfaces in all-solid-state rechargeable lithium batteries by using a supercooled liquid state of the glassy electrolytes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 118-124	117
133	Sulfur carbon composite electrode for all-solid-state Li/S battery with Li ₂ S P ₂ S ₅ solid electrolyte. <i>Electrochimica Acta</i> , 2011 , 56, 6055-6059	6.7 238
132	Preparation of Highly Lithium-Ion Conductive 80Li ₂ S 20P ₂ S ₅ Thin-Film Electrolytes Using Pulsed Laser Deposition. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 765-768	3.8 34
131	Electrochemical performance of all-solid-state lithium secondary batteries using Li ₄ Ti ₅ O ₁₂ electrode and Li ₂ S-P ₂ S ₅ solid electrolytes. <i>Journal of Materials Research</i> , 2010 , 25, 1548-1553	2.5 5
130	Interfacial Observation between LiCoO ₂ Electrode and Li ₂ S P ₂ S ₅ Solid Electrolytes of All-Solid-State Lithium Secondary Batteries Using Transmission Electron Microscopy <i>Chemistry of Materials</i> , 2010 , 22, 949-956	9.6 415
129	Preparation of needle-like .ALPHA.-Fe ₂ O ₃ particles and influences of their morphology on the electrochemical behavior in all-solid-state lithium batteries. <i>Journal of the Ceramic Society of Japan</i> , 2010 , 118, 326-328	1 2
128	SnP _{0.94} active material synthesized in high-boiling solvents for all-solid-state lithium batteries. <i>Journal of the Ceramic Society of Japan</i> , 2010 , 118, 620-622	1 13
127	Chemical Bonding of Li Ions in Li ₇ P ₃ S ₁₁ Crystal. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 65-68	1.5 4
126	Preparation and characterization of superionic conducting Li ₇ P ₃ S ₁₁ crystal from glassy liquids. <i>Journal of the Ceramic Society of Japan</i> , 2010 , 118, 305-308	1 64
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