

# Kiyoharu Tadanaga

## List of Publications by Citations

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286  
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8,963  
ext. citations

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#	Paper	IF	Citations
273	New, Highly Ion-Conductive Crystals Precipitated from Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> Glasses. <i>Advanced Materials</i> , <b>2005</b> , 17, 918-921	24	607
272	Superhydrophobic-Superhydrophilic Micropatterning on Flowerlike Alumina Coating Film by the Sol-Gel Method. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 590-592	9.6	411
271	All-solid-state Li/S batteries with highly conductive glass-ceramic electrolytes. <i>Electrochemistry Communications</i> , <b>2003</b> , 5, 701-705	5.1	270
270	Super-Water-Repellent Al <sub>2</sub> O <sub>3</sub> Coating Films with High Transparency. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 1040-1042	3.8	247
269	Formation Process of Super-Water-Repellent Al <sub>2</sub> O <sub>3</sub> Coating Films with High Transparency by the Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 3213-3216	3.8	240
268	High lithium ion conducting glass-ceramics in the system Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> . <i>Solid State Ionics</i> , <b>2006</b> , 177, 2721-2735	3.5	228
267	Preparation of high lithium-ion conducting Li <sub>6</sub> PS <sub>5</sub> Cl solid electrolyte from ethanol solution for all-solid-state lithium batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 293, 941-945	8.9	159
266	Monolithic electrode for electric double-layer capacitors based on macro/meso/microporous S-Containing activated carbon with high surface area. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2060		141
265	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. <i>Nature Reviews Chemistry</i> , <b>2019</b> , 3, 189-198	34.6	138
264	Modification of Interface Between LiCoO <sub>2</sub> Electrode and Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> Solid Electrolyte Using Li <sub>2</sub> O-Bi <sub>2</sub> O <sub>3</sub> Glassy Layers. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, A27	3.9	126
263	Formation of Superhydrophobic Alumina Coating Films with High Transparency on Polymer Substrates by the Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2003</b> , 26, 705-708	2.3	124
262	Improvement of High-Rate Performance of All-Solid-State Lithium Secondary Batteries Using LiCoO <sub>2</sub> Coated with Li <sub>2</sub> O-Bi <sub>2</sub> O <sub>3</sub> Glasses. <i>Electrochemical and Solid-State Letters</i> , <b>2008</b> , 11, A1		119
261	Liquid-phase synthesis of a Li <sub>3</sub> PS <sub>4</sub> solid electrolyte using N-methylformamide for all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5095	13	107
260	Characterization of Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> glass-ceramics as a solid electrolyte for lithium secondary batteries. <i>Solid State Ionics</i> , <b>2004</b> , 175, 683-686	3.3	107
259	Direct ethanol fuel cell using hydrotalcite clay as a hydroxide ion conductive electrolyte. <i>Advanced Materials</i> , <b>2010</b> , 22, 4401-4	24	97
258	Formation of Superhydrophobic-Superhydrophilic Pattern on Flowerlike Alumina Thin Film by the Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 211-214	2.3	94
257	Low temperature synthesis of highly ion conductive Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> -Li <sub>3</sub> BO <sub>3</sub> composites. <i>Electrochemistry Communications</i> , <b>2013</b> , 33, 51-54	5.1	92

256	Low temperature synthesis of Al-doped Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> solid electrolyte by a sol-gel process. <i>Solid State Ionics</i> , <b>2014</b> , 255, 104-107	3.3	89
255	In-plane chemical pressure essential for superconductivity in BiCh <sub>2</sub> -based (Ch: S, Se) layered structure. <i>Scientific Reports</i> , <b>2015</b> , 5, 14968	4.9	86
254	All-solid-state lithium secondary batteries with oxide-coated LiCoO <sub>2</sub> electrode and Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> electrolyte. <i>Journal of Power Sources</i> , <b>2009</b> , 189, 527-530	8.9	80
253	Preparation of Li <sub>3</sub> BO <sub>3</sub> Li <sub>2</sub> SO <sub>4</sub> glass-ceramic electrolytes for all-oxide lithium batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 270, 603-607	8.9	78
252	Preparation of Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> solid electrolyte from N-methylformamide solution and application for all-solid-state lithium battery. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 939-942	8.9	75
251	Proton conductivities of sol-gel derived phosphosilicate gels in medium temperature range with low humidity. <i>Solid State Ionics</i> , <b>2002</b> , 154-155, 687-692	3.3	70
250	All Solid-state Lithium Secondary Batteries Using High Lithium Ion Conducting Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> Glass-Ceramics. <i>Chemistry Letters</i> , <b>2002</b> , 31, 1244-1245	1.7	69
249	Medium temperature range characterization as a proton conductor for phosphosilicate dry gels containing large amounts of phosphorus. <i>Electrochimica Acta</i> , <b>2001</b> , 47, 939-944	6.7	68
248	Preparation of lithium ion conductive Al-doped Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> thin films by a sol-gel process. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 844-847	8.9	66
247	Electrochemical performance of all-solid-state lithium secondary batteries with LiNiCoMn oxide positive electrodes. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 8821-8828	6.7	66
246	Inorganic-organic hybrid membranes with anhydrous proton conduction prepared from 3-aminopropyltriethoxysilane and sulfuric acid by the sol-gel method. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16470-1	16.4	66
245	Rechargeable lithium batteries, using sulfur-based cathode materials and Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> glass-ceramic electrolytes. <i>Electrochimica Acta</i> , <b>2004</b> , 50, 893-897	6.7	63
244	Evaluation of ionic conductivity for MgAl layered double hydroxide intercalated with inorganic anions. <i>Solid State Ionics</i> , <b>2011</b> , 192, 185-187	3.3	60
243	Instantaneous preparation of high lithium-ion conducting sulfide solid electrolyte Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> by a liquid phase process. <i>RSC Advances</i> , <b>2017</b> , 7, 46499-46504	3.7	58
242	Liquid-phase synthesis of Li <sub>6</sub> PS <sub>5</sub> Br using ultrasonication and application to cathode composite electrodes in all-solid-state batteries. <i>Ceramics International</i> , <b>2018</b> , 44, 742-746	5.1	55
241	Improvement of electrochemical performance in alkaline fuel cell by hydroxide ion conducting NiAl layered double hydroxide. <i>Journal of Power Sources</i> , <b>2013</b> , 222, 493-497	8.9	55
240	New Lithium-Ion Conducting Crystal Obtained by Crystallization of the Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> Glasses. <i>Electrochemical and Solid-State Letters</i> , <b>2005</b> , 8, A603		53
239	Preparation and characterization of SnO <sub>2</sub> P <sub>2</sub> O <sub>5</sub> glasses as anode materials for lithium secondary batteries. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 345-346, 478-483	3.9	53

238	Effects of Conductive Additives in Composite Positive Electrodes on Charge-Discharge Behaviors of All-Solid-State Lithium Secondary Batteries. <i>Journal of the Electrochemical Society</i> , <b>2005</b> , 152, A1499	3.9	52
237	Effect of Sintering Additives on Relative Density and Li-ion Conductivity of Nb-Doped Li <sub>7</sub> La <sub>3</sub> ZrO <sub>12</sub> Solid Electrolyte. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 276-285	3.8	51
236	Preparation of Li <sub>7</sub> La <sub>3</sub> (Zr <sub>2</sub> /Nb) <sub>x</sub> O <sub>12</sub> (x= 0.5) and Li <sub>3</sub> BO <sub>3</sub> /LiBO <sub>2</sub> composites at low temperatures using a sol-gel process. <i>Solid State Ionics</i> , <b>2016</b> , 285, 6-12	3.3	50
235	Design of composite positive electrode in all-solid-state secondary batteries with Li <sub>2</sub> S-P <sub>2</sub> S <sub>5</sub> glass-ceramic electrolytes. <i>Journal of Power Sources</i> , <b>2005</b> , 146, 711-714	8.9	49
234	Ferroelectricity of YMnO <sub>3</sub> thin films prepared via solution. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 719-721	3.4	49
233	All-solid-state lithium secondary batteries with metal-sulfide-coated LiCoO <sub>2</sub> prepared by thermal decomposition of dithiocarbamate complexes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15247		46
232	Preparation of Proton-Conductive Inorganic/Organic Hybrid Films from 3-Glycidoxypropyltrimethoxysilane and Orthophosphoric Acid. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 1910-1912	9.6	44
231	Improvement of electrochemical performance of all-solid-state lithium secondary batteries by surface modification of LiMn <sub>2</sub> O <sub>4</sub> positive electrode. <i>Solid State Ionics</i> , <b>2011</b> , 192, 304-307	3.3	43
230	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7963-7	16.4	42
229	Effect of the binder content on the electrochemical performance of composite cathode using Li <sub>6</sub> PS <sub>5</sub> Cl precursor solution in an all-solid-state lithium battery. <i>Ionics</i> , <b>2017</b> , 23, 1619-1624	2.7	41
228	Coating and water permeation properties of SiO <sub>2</sub> thin films prepared by the sol-gel method on nylon-6 substrates. <i>Journal of Sol-Gel Science and Technology</i> , <b>1996</b> , 6, 107-111	2.3	41
227	Electrochemical performance of a garnet solid electrolyte based lithium metal battery with interface modification. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21018-21028	13	41
226	High-rate performance of all-solid-state lithium secondary batteries using Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> electrode. <i>Journal of Power Sources</i> , <b>2009</b> , 189, 145-148	8.9	40
225	Synthesis of monodispersed silica nanoparticles with high concentration by the Stober process. <i>Journal of Sol-Gel Science and Technology</i> , <b>2013</b> , 68, 341-345	2.3	39
224	Formation of Anatase Nanocrystals-Precipitated Silica Coatings on Plastic Substrates by the Sol-Gel Process with Hot Water Treatment. <i>Journal of Sol-Gel Science and Technology</i> , <b>2003</b> , 27, 61-69	2.3	39
223	Composite cathode prepared by argyrodite precursor solution assisted by dispersant agents for bulk-type all-solid-state batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 396, 33-40	8.9	38
222	All-solid-state electrochemical capacitors using MnO <sub>2</sub> /carbon nanotube composite electrode. <i>Electrochimica Acta</i> , <b>2013</b> , 109, 651-655	6.7	38
221	Preparation of Fe <sub>2</sub> O <sub>3</sub> Electrode Materials via Solution Process and Their Electrochemical Properties in All-Solid-State Lithium Batteries. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, A725	3.9	38

220	Electrical and mechanical properties of glass and glass-ceramic electrolytes in the system $\text{Li}_3\text{BO}_3\text{-Li}_2\text{SO}_4$ . <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 433-437	1	37
219	$\text{Li}_4\text{Ti}_5\text{O}_{12}$ thin-film electrodes by sol-gel for lithium-ion microbatteries. <i>Journal of Power Sources</i> , <b>2013</b> , 244, 482-487	8.9	37
218	Structural and Electrochemical Evaluation of Three- and Two-Dimensional Organohalide Perovskites and Their Influence on the Reversibility of Lithium Intercalation. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4181-4188	5.1	36
217	Electrical and electrochemical properties of $\text{Li}_2\text{S}_2\text{P}_2\text{S}_5\text{P}_2\text{O}_5$ glass-ceramic electrolytes. <i>Journal of Power Sources</i> , <b>2005</b> , 146, 715-718	8.9	35
216	Preparation of Super-Water-Repellent Alumina Coating Film with High Transparency on Poly(ethylene terephthalate) by the Sol-Gel Method. <i>Chemistry Letters</i> , <b>2000</b> , 29, 864-865	1.7	35
215	Anti-reflective properties of nano-structured alumina thin films on poly(methyl methacrylate) substrates by the sol-gel process with hot water treatment. <i>Thin Solid Films</i> , <b>2008</b> , 516, 4526-4529	2.2	34
214	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 459-465	9.6	33
213	Preparation of sulfide solid electrolytes in the $\text{Li}_2\text{S}_2\text{P}_2\text{S}_5$ system by a liquid phase process. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 501-508	6.8	32
212	Multifunctional inorganic electrode materials for high-performance rechargeable metal-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6804	13	32
211	$\text{YMnO}_3$ Thin Films Prepared from Solutions for Non Volatile Memory Devices. <i>Japanese Journal of Applied Physics</i> , <b>1997</b> , 36, L1601-L1603	1.4	31
210	Antireflective properties of flowerlike alumina thin films on soda-lime silica glass substrates prepared by the sol-gel method with hot water treatment. <i>Thin Solid Films</i> , <b>2007</b> , 515, 3914-3917	2.2	31
209	Coordination of $\text{Ga}^{3+}$ ions in $\text{PbO-Ga}_2\text{O}_3$ glasses as determined by $^{71}\text{Ga}$ NMR. <i>Journal of Non-Crystalline Solids</i> , <b>1992</b> , 139, 268-270	3.9	31
208	A $^{207}\text{Pb}$ MAS-NMR study of Pb-containing glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1992</b> , 150, 192-196	3.9	31
207	Inorganic-organic hybrid films from 3-glycidoxypropyltrimethoxysilane and orthophosphoric acid for medium temperature fuel cells. <i>Electrochemistry Communications</i> , <b>2003</b> , 5, 644-646	5.1	30
206	Preparation of lithium ion conductive $\text{Li}_6\text{PS}_5\text{Cl}$ solid electrolyte from solution for the fabrication of composite cathode of all-solid-state lithium battery. <i>Journal of Sol-Gel Science and Technology</i> , <b>2019</b> , 89, 303-309	2.3	29
205	Electrochemical Analysis of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Electrode in All-Solid-State Lithium Secondary Batteries. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, A114	3.9	29
204	Thermoplastic and thermosetting properties of polyphenylsilsesquioxane particles prepared by two-step acid-base catalyzed sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , <b>2007</b> , 41, 217-223	2.3	29
203	Anti-Reflective Coatings of Flowerlike Alumina on Various Glass Substrates by the Sol-Gel Process with the Hot Water Treatment. <i>Journal of Sol-Gel Science and Technology</i> , <b>2005</b> , 33, 117-120	2.3	29

202	Structures and optical absorption of Bi <sub>2</sub> O <sub>3</sub> S <sub>2</sub> and LaOBiS <sub>2</sub> . <i>Solid State Communications</i> , <b>2016</b> , 227, 19-22	1.6	28
201	Hydroxide ion conduction in NiAl layered double hydroxide. <i>Journal of Electroanalytical Chemistry</i> , <b>2012</b> , 671, 102-105	4.1	28
200	Effect of Mg/Al Ratio on Hydroxide Ion Conductivity for MgAl Layered Double Hydroxide and Application to Direct Ethanol Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, B368-B370	3.9	28
199	Direct Formation of MgAl-Layered Double-Hydroxide Films on Glass Substrate by the SolGel Method With Hot Water Treatment. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 1940-1942	3.8	28
198	Formation and Characterization of Titania Nanosheet-Precipitated Coatings via SolGel Process with Hot Water Treatment under Vibration. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 749-757	9.6	28
197	Direct Formation of ZnAl Layered Double Hydroxide Films with High Transparency on Glass Substrate by the SolGel Process with Hot Water Treatment. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 1726-1729	2.5	28
196	Formation of anti-reflective alumina films on polymer substrates by the solgel process with hot water treatment. <i>Surface and Coatings Technology</i> , <b>2006</b> , 201, 3653-3657	4.4	28
195	Fabrication of all-solid-state lithium secondary batteries with amorphous TiS <sub>4</sub> positive electrodes and Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> solid electrolytes. <i>Solid State Ionics</i> , <b>2016</b> , 285, 122-125	3.3	26
194	Porous ZnV <sub>2</sub> O <sub>4</sub> Nanowire for Stable and High-Rate Lithium-Ion Battery Anodes. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 4247-4256	5.6	26
193	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in BiS <sub>2</sub> -Based REO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> (RE = La, Ce, Pr, and Nd). <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 023704	1.5	26
192	Optimization of Al <sub>2</sub> O <sub>3</sub> and Li <sub>3</sub> BO <sub>3</sub> Content as Sintering Additives of Li <sub>7</sub> La <sub>2.95</sub> Ca <sub>0.05</sub> ZrTaO <sub>12</sub> at Low Temperature. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 497-501	1.9	26
191	Lithium ion conducting solid electrolytes prepared from Li <sub>2</sub> S, elemental P and S. <i>Solid State Ionics</i> , <b>2006</b> , 177, 2753-2757	3.3	26
190	Preparation of LiCoPO <sub>4</sub> for Lithium Battery Cathodes through Solution Process. <i>Electrochemistry</i> , <b>2003</b> , 71, 1192-1195	1.2	26
189	Utilization of glass paper as a support of proton conductive inorganicorganic hybrid membranes based on 3-glycidoxypropyltrimethoxysilane. <i>Electrochemistry Communications</i> , <b>2005</b> , 7, 245-248	5.1	26
188	Mechanochemical synthesis of lithium ion conducting glasses and glassceramics in the system Li <sub>2</sub> SBB. <i>Solid State Ionics</i> , <b>2005</b> , 176, 2349-2353	3.3	26
187	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS <sub>2</sub> Sex. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 155103	2.5	26
186	FePS <sub>3</sub> electrodes in all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. <i>Electrochimica Acta</i> , <b>2017</b> , 241, 370-374	6.7	25
185	Formation of Li <sub>2</sub> S <sub>2</sub> P <sub>2</sub> S <sub>5</sub> Solid Electrolyte from N-Methylformamide Solution. <i>Chemistry Letters</i> , <b>2013</b> , 42, 1435-1437	1.7	25

184	Fine Patterning of Transparent, Conductive SnO <sub>2</sub> Thin Films by UV-Irradiation. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 791-794	2.3	25
183	Precursor structure and hydrolysis-gelation process of Al(O-sec-Bu) <sub>3</sub> modified with ethylacetoacetate. <i>Journal of Sol-Gel Science and Technology</i> , <b>1994</b> , 3, 5-10	2.3	25
182	Electrochemical performance of bulk-type all-solid-state batteries using small-sized Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> solid electrolyte prepared by liquid phase as the ionic conductor in the composite cathode. <i>Electrochimica Acta</i> , <b>2019</b> , 296, 473-480	6.7	25
181	Hydrothermal synthesis of a new Bi-based (Ba <sub>0.82</sub> K <sub>0.18</sub> )(Bi <sub>0.53</sub> Pb <sub>0.47</sub> )O <sub>3</sub> superconductor. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 634, 208-214	5.7	23
180	All-Solid-State Lithium Secondary Batteries Using LiMn <sub>2</sub> O <sub>4</sub> Electrode and Li <sub>2</sub> S <sub>5</sub> Solid Electrolyte. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, A407	3.9	23
179	Preparation of CoAl and NiAl layered double hydroxide thin films by a sol-gel process with hot water treatment. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 62, 111-116	2.3	22
178	Medium temperature operation of fuel cells using inorganic-organic hybrid films from 3-glycidoxypropyltrimethoxysilane and orthophosphoric acid. <i>Electrochimica Acta</i> , <b>2004</b> , 50, 705-708	6.7	22
177	All-solid-state lithium secondary batteries using a layer-structured LiNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> cathode material. <i>Journal of Power Sources</i> , <b>2003</b> , 124, 170-173	8.9	22
176	All-solid-state lithium secondary batteries with SnS <sub>2</sub> negative electrodes and Li <sub>2</sub> S <sub>5</sub> solid electrolytes. <i>Journal of Power Sources</i> , <b>2005</b> , 146, 496-500	8.9	22
175	Water permeation properties of SiO <sub>2</sub> -RSiO <sub>3/2</sub> (R = methyl, vinyl, phenyl) thin films prepared by the sol-gel method on nylon-6 substrate. <i>Journal of Applied Polymer Science</i> , <b>1996</b> , 61, 2173-2177	2.9	22
174	Photocatalytic O <sub>2</sub> evolution from water over ZnCr layered double hydroxides intercalated with inorganic anions. <i>Materials Research Bulletin</i> , <b>2015</b> , 62, 1-4	5.1	21
173	Template-assisted synthesis of PbTiO <sub>3</sub> nanotubes. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 2575-2579	6	21
172	Platelike Crystal Growth of ZnAl Layered Double Hydroxide by Hot Water Treatment of Sol-Gel Derived Al <sub>2</sub> O <sub>3</sub> /ZnO Films on Glass Substrate. <i>Chemistry Letters</i> , <b>2006</b> , 35, 174-175	1.7	21
171	Hot-water treatment of sol-gel derived SiO <sub>2</sub> /TiO <sub>2</sub> microparticles and application to electrophoretic deposition for thick films. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 8101-8108	4.3	21
170	Near- and Mid-Infrared Spectroscopy of Sol-Gel Derived Ormosil Films for Photonics from Tetramethoxysilane and Trimethoxysilylpropylmethacrylate. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 687-690	2.3	21
169	Deposition and Analysis of Al-Rich c-Al <sub>x</sub> Ti <sub>1-x</sub> N Coating with Preferred Orientation. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 343-353	3.8	20
168	High rate performances of all-solid-state In/LiCoO <sub>2</sub> cells with the Li <sub>2</sub> S <sub>5</sub> glass-ceramic electrolytes. <i>Solid State Ionics</i> , <b>2006</b> , 177, 2731-2735	3.3	20
167	Photocatalytic Micropatterning of Transparent Ethylsilsesquioxane/Titania Hybrid Films. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 2693-2700	9.6	20

166	Synthesis, structure and photocatalytic activity of layered LaOInS <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14270-14277	13	19
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