

Kiyoharu Tadanaga

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3985071/kiyoharu-tadanaga-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

273
papers

8,092
citations

43
h-index

78
g-index

286
ext. papers

8,963
ext. citations

4.5
avg, IF

6.08
L-index

#	Paper	IF	Citations
273	Liquid-phase Synthesis of Sulfide Electrolytes and Synthesis Mechanism. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2022 , 69, 95-98	0.2	0
272	Preparation of Composite Electrodes for All-Solid-State Batteries Based on Sulfide Electrolytes: An Electrochemical Point of View. <i>Batteries</i> , 2021 , 7, 77	5.7	0
271	Graphite/Li7P3S11 composite prepared by seed process for all-solid-state batteries. <i>Solid State Ionics</i> , 2021 , 372, 115789	3.3	2
270	Kinetic Control of the LiMnNiO Spinel Structure with Enhanced Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14056-14067	9.5	0
269	Chemical stability of Li4PS4I solid electrolyte against hydrolysis. <i>Applied Materials Today</i> , 2021 , 22, 100918	6.8	11
268	Fast discharge/charge properties of FePS3 electrode for all-solid-state batteries using sulfide electrolytes and its stable diffusion path. <i>Functional Materials Letters</i> , 2021 , 14, 2141005	1.2	0
267	Formation Mechanism of LiPS through Decomposition of Complexes. <i>Inorganic Chemistry</i> , 2021 , 60, 6964-6970	5.1	5
266	Observing and Modeling the Sequential Pairwise Reactions that Drive Solid-State Ceramic Synthesis. <i>Advanced Materials</i> , 2021 , 33, e2100312	24	14
265	Hydroxide ion Conduction Mechanism in Mg-Al CO3 Layered Double Hydroxide. <i>Journal of Electrochemical Science and Technology</i> , 2021 , 12, 230-236	3.2	0
264	Phase transition, magnetic, and electronic properties of CeOInS2. <i>Journal of the Ceramic Society of Japan</i> , 2021 , 129, 249-253	1	1
263	Kinetically Stabilized Cation Arrangement in Li YCl Superionic Conductor during Solid-State Reaction. <i>Advanced Science</i> , 2021 , 8, e2101413	13.6	10
262	Synthesis of sulfide solid electrolytes from Li2S and P2S5 in anisole. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 400-405	13	11
261	Wet Chemical Processes for the Preparation of Composite Electrodes in All-Solid-State Lithium Battery 2021 , 85-92		
260	Combustion Reactions between Transition-Metal Chlorides and Sodium Amide and Their Ignition Temperature. <i>Inorganic Chemistry</i> , 2021 , 60, 12753-12758	5.1	1
259	Synthesis of highly Li-ion conductive garnet-type solid ceramic electrolytes by solution-process-derived sintering additives. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 6767-6771	6.1	2
258	Formation Mechanism of Thiophosphate Anions in the Liquid-Phase Synthesis of Sulfide Solid Electrolytes Using Polar Aprotic Solvents. <i>Chemistry of Materials</i> , 2020 , 32, 9627-9632	9.6	12
257	Fabrication of Mg-Al Layered Double Hydroxide Thin Membrane for All-Solid-State Alkaline Fuel Cell Using Glass Paper as a Support. <i>Frontiers in Materials</i> , 2020 , 7,	4	2

256	Significant Reduction in the Interfacial Resistance of Garnet-Type Solid Electrolyte and Lithium Metal by a Thick Amorphous Lithium Silicate Layer. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5533-5541	6.1	12
255	Selective metathesis synthesis of MgCr ₂ S ₄ by control of thermodynamic driving forces. <i>Materials Horizons</i> , 2020 , 7, 1310-1316	14.4	10
254	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS Single Crystals. <i>Frontiers in Chemistry</i> , 2020 , 8, 44	5	6
253	Synthesis and ionic conductivity of a high-entropy layered hydroxide. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 336-339	1	7
252	Electrical properties of pyrochlore-type silver tantalate and fluorite-type silver niobate. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 46-50	1	2
251	Fe ₂ S ₃ electrodes for all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. <i>Journal of Power Sources</i> , 2020 , 449, 227576	8.9	5
250	Organic/Inorganic Hybrid Materials for Interface Design in All-Solid-State Batteries with a Garnet-Type Solid Electrolyte. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11260-11268	6.1	7
249	Porous ZnV ₂ O ₄ Nanowire for Stable and High-Rate Lithium-Ion Battery Anodes. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4247-4256	5.6	26
248	Self-Combustion Synthesis of Novel Metastable Ternary Molybdenum Nitrides 2019 , 1, 64-70		11
247	Growth and transport properties under high pressure of PrOBiS ₂ single crystals. <i>Solid State Communications</i> , 2019 , 296, 17-20	1.6	3
246	Improvement of superconducting properties by high mixing entropy at blocking layers in BiS ₂ -based superconductor REO _{0.5} F _{0.5} BiS ₂ . <i>Solid State Communications</i> , 2019 , 295, 43-49	1.6	18
245	Composition, valence and oxygen reduction reaction activity of Mn-based layered double hydroxides. <i>Journal of Asian Ceramic Societies</i> , 2019 , 7, 147-153	2.4	3
244	Preparation of lithium ion conductive Li ₆ PS ₅ 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> , 2019 , 89, 303-309	2.3	29
243	Two-Dimensional Hybrid Halide Perovskite as Electrode Materials for All-Solid-State Lithium Secondary Batteries Based on Sulfide Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6569-6576	6.1	13
242	Catalytic Activity for Oxygen Reduction Reaction of Ni-Mn-Fe Layered Double Hydroxide-Carbon Gel Composite. <i>Chemistry Letters</i> , 2019 , 48, 696-699	1.7	3
241	Mg-Al layered double hydroxide as an electrolyte membrane for aqueous ammonia fuel cell. <i>Materials Research Bulletin</i> , 2019 , 119, 110561	5.1	9
240	An electronic structure governed by the displacement of the indium site in In-S octahedra: LnOInS (Ln = La, Ce, and Pr). <i>Dalton Transactions</i> , 2019 , 48, 12272-12278	4.3	5
239	Sintering Additives for Garnet-Type Electrolytes 2019 , 111-128		0

238	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. <i>Nature Reviews Chemistry</i> , 2019 , 3, 189-198	34.6	138
237	Enhanced hydroxide ion conductivity of MgAl layered double hydroxide at low humidity by intercalating dodecyl sulfate anion. <i>Journal of the Ceramic Society of Japan</i> , 2019 , 127, 788-792	1	3
236	Electrochemical performance of bulk-type all-solid-state batteries using small-sized Li ₇ P ₃ S ₁₁ solid electrolyte prepared by liquid phase as the ionic conductor in the composite cathode. <i>Electrochimica Acta</i> , 2019 , 296, 473-480	6.7	25
235	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in BiS ₂ -Based RE _{0.5} F _{0.5} BiS ₂ (RE = La, Ce, Pr, and Nd). <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 023704	1.5	26
234	Crystal Structure and Superconductivity of Tetragonal and Monoclinic CePr OBiS. <i>Inorganic Chemistry</i> , 2018 , 57, 5364-5370	5.1	9
233	Preparation of sulfide solid electrolytes in the Li ₂ S ₂ P ₂ S ₅ system by a liquid phase process. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 501-508	6.8	32
232	Float zone growth and spectroscopic properties of Yb:CaYAlO ₄ single crystal for ultra-short pulse lasers. <i>Optical Materials</i> , 2018 , 80, 57-61	3.3	
231	Synthesis, crystal structure and optical absorption of NaInS ₂ -Se. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 409-413	5.7	5
230	Structural and Electrochemical Evaluation of Three- and Two-Dimensional Organohalide Perovskites and Their Influence on the Reversibility of Lithium Intercalation. <i>Inorganic Chemistry</i> , 2018 , 57, 4181-4188	5.1	36
229	Liquid-phase synthesis of Li ₆ PS ₅ Br using ultrasonication and application to cathode composite electrodes in all-solid-state batteries. <i>Ceramics International</i> , 2018 , 44, 742-746	5.1	55
228	Sol-Gel Processing of Solid Electrolytes for Li-Ion Batteries 2018 , 2631-2648		1
227	Composite cathode prepared by argyrodite precursor solution assisted by dispersant agents for bulk-type all-solid-state batteries. <i>Journal of Power Sources</i> , 2018 , 396, 33-40	8.9	38
226	Measurements of Gas Adsorption and Permeability of Sol-Gel Materials 2018 , 1411-1423		
225	Explosive Reaction for Barium Niobium Perovskite Oxynitride. <i>Inorganic Chemistry</i> , 2018 , 57, 24-27	5.1	11
224	Electrochemical performance of a garnet solid electrolyte based lithium metal battery with interface modification. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21018-21028	13	41
223	Synthesis of Bi ₂ (O,F)S ₂ superconductors by NaF treatment. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 591-593	1	2
222	Reaction Mechanism of FePS ₃ Electrodes in All-Solid-State Lithium Secondary Batteries Using Sulfide-Based Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A2948-A2954	3.9	8
221	Synthesis of submicron-sized NiPS ₃ particles and electrochemical properties as active materials in all-solid-state lithium batteries. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 568-572	1	5

220	Hydrothermal Synthesis, Structure, and Superconductivity of Simple Cubic Perovskite (BaK)(BiMg)O with T ~ 30 K. <i>Inorganic Chemistry</i> , 2017 , 56, 3174-3181	5.1	16
219	FePS3 electrodes in all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. <i>Electrochimica Acta</i> , 2017 , 241, 370-374	6.7	25
218	Effect of the binder content on the electrochemical performance of composite cathode using Li6PS5Cl precursor solution in an all-solid-state lithium battery. <i>Ionics</i> , 2017 , 23, 1619-1624	2.7	41
217	Preparation and scintillation properties of translucent LiCaBO ₃ :Ce polycrystalline plates. <i>Optical Materials</i> , 2017 , 70, 180-183	3.3	1
216	Synthesis, structure and photocatalytic activity of layered LaOInS ₂ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14270-14277	13	19
215	Instantaneous preparation of high lithium-ion conducting sulfide solid electrolyte Li7P3S11 by a liquid phase process. <i>RSC Advances</i> , 2017 , 7, 46499-46504	3.7	58
214	Electrical and mechanical properties of glass and glass-ceramic electrolytes in the system Li3BO3–Li2SO4. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 433-437	1	37
213	Prediction of Ternary Liquidus Temperatures by Statistical Modeling of Binary and Ternary Ag-Al-Sn-Zn Systems. <i>ACS Omega</i> , 2017 , 2, 5271-5282	3.9	
212	Synthesis of LaO _{0.5} F _{0.5} BiS ₂ nanosheets by ultrasonification. <i>Journal of Asian Ceramic Societies</i> , 2017 , 5, 183-185	2.4	2
211	Synthesis, Crystal Structure, and Physical Properties of New Layered Oxychalcogenide La ₂ O ₂ Bi ₃ AgS ₆ . <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 124802	1.5	13
210	Deposition and Analysis of Al-Rich c-AlxTi _{1-x} N Coating with Preferred Orientation. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 343-353	3.8	20
209	Effect of Sintering Additives on Relative Density and Li-ion Conductivity of Nb-Doped Li ₇ La ₃ ZrO ₁₂ Solid Electrolyte. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 276-285	3.8	51
208	Optimization of Al ₂ O ₃ and Li ₃ BO ₃ Content as Sintering Additives of Li _{7-x} La _{2.95} Ca _{0.05} ZrTaO ₁₂ at Low Temperature. <i>Journal of Electronic Materials</i> , 2017 , 46, 497-501	1.9	26
207	Thermal stability and cutting performance of Al-rich cubic AlxTi _{1-x} N coating prepared by low-pressure chemical vapour deposition. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 913-918	1	5
206	Fabrication of all-solid-state lithium secondary batteries with amorphous TiS ₄ positive electrodes and Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolytes. <i>Solid State Ionics</i> , 2016 , 285, 122-125	3.3	26
205	Preparation of Li ₇ La ₃ (Zr _{2-x} Nb _x)O ₁₂ (x= 0–1.5) and Li ₃ BO ₃ /LiBO ₂ composites at low temperatures using a sol-gel process. <i>Solid State Ionics</i> , 2016 , 285, 6-12	3.3	50
204	Development of All-solid-state Lithium Secondary Batteries Using NiPS ₃ Electrode and Li ₂ S-P ₂ S ₅ Solid Electrolyte. <i>Chemistry Letters</i> , 2016 , 45, 652-654	1.7	11
203	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7963-7	16.4	42

202	Preparation of ZnAl layered double hydroxide thin films intercalated with Eosin Y by hot water treatment of sol-gel derived precursor films. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 79, 303-307	2.3	3
201	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. <i>Chemistry of Materials</i> , 2016 , 28, 459-465	9.6	33
200	Structures and optical absorption of Bi ₂ OS ₂ and LaOBiS ₂ . <i>Solid State Communications</i> , 2016 , 227, 19-22	1.6	28
199	Sol-gel Processing of Solid Electrolytes for Li-ion Batteries 2016 , 1-18		1
198	Measurements of Gas Adsorption and Permeability of Sol-gel Materials 2016 , 1-13		
197	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2016 , 128, 8095-8099	3.6	7
196	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS ₂ Se _x . <i>Journal of Applied Physics</i> , 2016 , 119, 155103	2.5	26
195	Preparation of high lithium-ion conducting Li ₆ PS ₅ Cl solid electrolyte from ethanol solution for all-solid-state lithium batteries. <i>Journal of Power Sources</i> , 2015 , 293, 941-945	8.9	159
194	Effect of the addition of hydrated titanium oxide on proton conductivity for aromatic polymer electrolyte membrane. <i>Solid State Ionics</i> , 2015 , 277, 72-76	3.3	1
193	Octahedral and trigonal-prismatic coordination preferences in Nb-, Mo-, Ta-, and W-based ABX ₂ layered oxides, oxynitrides, and nitrides. <i>Journal of Solid State Chemistry</i> , 2015 , 229, 272-277	3.3	11
192	Hydrothermal synthesis of a new Bi-based (Ba _{0.82} K _{0.18})(Bi _{0.53} Pb _{0.47})O ₃ superconductor. <i>Journal of Alloys and Compounds</i> , 2015 , 634, 208-214	5.7	23
191	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
190	Development of Alkaline Fuel Cells Using Hydroxide-Ion Conductive Layered Double Hydroxides. <i>ECS Transactions</i> , 2015 , 69, 385-389	1	4
189	Structural Difference in Superconductive and Nonsuperconductive Bi-S Planes within Bi ₄ O ₄ Bi ₂ S ₄ Blocks. <i>Inorganic Chemistry</i> , 2015 , 54, 10462-7	5.1	8
188	Preparation of lithium ion conductive Al-doped Li ₇ La ₃ Zr ₂ O ₁₂ thin films by a sol-gel process. <i>Journal of Power Sources</i> , 2015 , 273, 844-847	8.9	66
187	Photocatalytic O ₂ evolution from water over ZnCr layered double hydroxides intercalated with inorganic anions. <i>Materials Research Bulletin</i> , 2015 , 62, 1-4	5.1	21
186	In-plane chemical pressure essential for superconductivity in BiCh ₂ -based (Ch: S, Se) layered structure. <i>Scientific Reports</i> , 2015 , 5, 14968	4.9	86
185	Preparation of Li ₄ Ti ₅ O ₁₂ electrode thin films by a mist CVD process with aqueous precursor solutionPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2015 , 3, 88-91	2.4	12

184	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
183	Li ₄ Ti ₅ O ₁₂ thin-film electrodes by in-situ synthesis of lithium alkoxide for Li-ion microbatteries. <i>Electrochimica Acta</i> , 2014 , 149, 293-299	6.7	17
182	Float zone growth and spectral properties of Cr,Nd:CaYAlO ₄ single crystals. <i>Journal of Crystal Growth</i> , 2014 , 404, 152-156	1.6	4
181	Low temperature synthesis of Al-doped Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte by a sol-gel process. <i>Solid State Ionics</i> , 2014 , 255, 104-107	3.3	89
180	All-solid-state electrochemical capacitors using MnO ₂ electrode/SiO ₂ /Nafion electrolyte composite prepared by the sol-gel process. <i>Journal of Power Sources</i> , 2014 , 248, 396-399	8.9	7
179	Electrochemical oxygen separation using hydroxide ion conductive layered double hydroxides. <i>Solid State Ionics</i> , 2014 , 262, 238-240	3.3	11
178	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
177	Preparation of Li ₂ S ₂ S ₅ solid electrolyte from N-methylformamide solution and application for all-solid-state lithium battery. <i>Journal of Power Sources</i> , 2014 , 248, 939-942	8.9	75
176	Preparation of LiMn ₂ O ₄ cathode thin films for thin film lithium secondary batteries by a mist CVD process. <i>Materials Research Bulletin</i> , 2014 , 53, 196-198	5.1	13
175	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
174	Li ₄ Ti ₅ O ₁₂ thin-film electrodes by sol-gel for lithium-ion microbatteries. <i>Journal of Power Sources</i> , 2013 , 244, 482-487	8.9	37
173	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
172	All-solid-state electrochemical capacitors using MnO ₂ /carbon nanotube composite electrode. <i>Electrochimica Acta</i> , 2013 , 109, 651-655	6.7	38
171	Improvement of electrochemical performance in alkaline fuel cell by hydroxide ion conducting NiAl layered double hydroxide. <i>Journal of Power Sources</i> , 2013 , 222, 493-497	8.9	55
170	Synthetic control of cage/network ratio of poly(methylsilsesquioxane)s for storage stability, hardness, and weather resistance of coating films. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 653-663	2.5	3
169	Low temperature synthesis of highly ion conductive Li ₇ La ₃ Zr ₂ O ₁₂ /Li ₃ BO ₃ composites. <i>Electrochemistry Communications</i> , 2013 , 33, 51-54	5.1	92
168	Multifunctional inorganic electrode materials for high-performance rechargeable metal-air batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6804	13	32
167	Surface morphology control of thin films prepared by solution processes and its application. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 819-824	1	8

166	Formation of Li ₂ S-P ₂ S ₅ Solid Electrolyte from N-Methylformamide Solution. <i>Chemistry Letters</i> , 2013 , 42, 1435-1437	1.7	25
165	UV and E-Beam Direct Patterning of Photosensitive CSD Films 2013 , 483-515		
164	Hydroxide ion conduction in Ni/Al layered double hydroxide. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 671, 102-105	4.1	28
163	Preparation of Co/Al and Ni/Al 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
162	Effect of Mg/Al Ratio on Hydroxide Ion Conductivity for Mg/Al Layered Double Hydroxide and Application to Direct Ethanol Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2012 , 159, B368-B370	3.9	28
161	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
160	?????????????????. <i>Electrochemistry</i> , 2011 , 79, 630-633	1.2	
159	Thin Film Electrode Materials Li ₄ Ti ₅ O ₁₂ and LiCoO ₂ Prepared by Spray Pyrolysis Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 18, 122004	0.4	2
158	Substituent effects on the glass transition phenomena of polyorganosilsesquioxane particles prepared by two-step acid-base catalyzed sol-gel process. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 173-179	1	0
157	Evaluation of ionic conductivity for Mg/Al layered double hydroxide intercalated with inorganic anions. <i>Solid State Ionics</i> , 2011 , 192, 185-187	3.3	60
156	Characterization of solid electrolytes prepared from ionic glass and ionic liquid for all-solid-state lithium batteries. <i>Solid State Ionics</i> , 2011 , 192, 126-129	3.3	10
155	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> , 2011 , 21, 2060		141
154	Improvement of electrochemical performance of all-solid-state lithium secondary batteries by surface modification of LiMn ₂ O ₄ positive electrode. <i>Solid State Ionics</i> , 2011 , 192, 304-307	3.3	43
153	Macroporous Carbon Monoliths with Large Surface Area for Electric Double-Layer Capacitor. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1304, 1		
152	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
151	All-Solid-State Lithium Secondary Batteries Using LiMn ₂ O ₄ Electrode and Li ₂ S-P ₂ S ₅ Solid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2010 , 157, A407	3.9	23
150	All-Solid-State Electric Double-Layer Capacitor Using Ion Conductive Inorganic/Organic Hybrid Membrane Based on 3-Glycidoxypropyltrimethoxysilane. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, A52		5
149	Preparation and Characterization of Methylsilsesquioxane Thin Film Containing Tris(ethylenediamine)cobalt(III) Chloride as a Photobase Generator. <i>Chemistry of Materials</i> , 2010 , 22, 6125-6129	9.6	8

148	Preparation of needle-like α -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
147	Influence of copolymerization with alkyltrialkoxysilanes on condensation and thermal behaviour of poly(phenylsilsesquioxane) particles. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 53, 31-37	2-3	12
146	Direct ethanol fuel cell using hydrotalcite clay as a hydroxide ion conductive electrolyte. <i>Advanced Materials</i> , 2010 , 22, 4401-4	24	97
145	Electrochemical performance of all-solid-state lithium secondary batteries with LiNi _{1-x} Co _x Mn oxide positive electrodes. <i>Electrochimica Acta</i> , 2010 , 55, 8821-8828	6-7	66
144	Preparation of proton conducting ionic glasses in the systems CsHSO ₄ MHSO ₄ (M=Na, K, Rb). <i>Solid State Ionics</i> , 2010 , 181, 187-189	3-3	10
143	Characterization of proton conducting CsHSO ₄ ·xH ₂ PO ₄ ionic glasses prepared by the melt-quenching method. <i>Solid State Ionics</i> , 2010 , 181, 190-192	3-3	14
142	Formation of ZnAl layered double hydroxide thin films intercalated with sulfonated spiropyran. <i>Research on Chemical Intermediates</i> , 2009 , 35, 949-956	2.8	6
141	High-rate performance of all-solid-state lithium secondary batteries using Li ₄ Ti ₅ O ₁₂ electrode. <i>Journal of Power Sources</i> , 2009 , 189, 145-148	8.9	40
140	All-solid-state lithium secondary batteries with oxide-coated LiCoO ₂ electrode and Li ₂ SP ₂ S ₅ electrolyte. <i>Journal of Power Sources</i> , 2009 , 189, 527-530	8.9	80
139	Modification of Interface Between LiCoO ₂ Electrode and Li ₂ SP ₂ S ₅ Solid Electrolyte Using Li ₂ OBiO ₂ Glassy Layers. <i>Journal of the Electrochemical Society</i> , 2009 , 156, A27	3.9	126
138	Proton-Conductive Inorganic/Organic Hybrid Membrane Prepared from 3-(2-Aminoethylaminopropyl)triethoxysilane and Sulfuric Acid by the Sol-Gel Method. <i>Journal of the Electrochemical Society</i> , 2009 , 156, B174	3.9	7
137	Template-assisted synthesis of PbTiO ₃ nanotubes. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 2575-2579	6	21
136	Electrochemical Analysis of Li ₄ Ti ₅ O ₁₂ Electrode in All-Solid-State Lithium Secondary Batteries. <i>Journal of the Electrochemical Society</i> , 2009 , 156, A114	3.9	29
135	Characterization of ramiform precipitates formed on SiO ₂ /TiO ₂ gel coatings by electric field hot water treatment. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1263-1266	3.9	1
134	Electrochemical performance and structural change during charge/discharge reaction of SnO ₂ /P ₂ O ₅ glassy electrodes in rechargeable lithium batteries. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 380-385	3.9	19
133	Glass transition and thermal softening of poly(phenylsilsesquioxane) particles prepared using two-step acid/base catalyzed sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 700-704	3.9	4
132	Improvement of High-Rate Performance of All-Solid-State Lithium Secondary Batteries Using LiCoO ₂ Coated with Li ₂ OBiO ₂ Glasses. <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, A1		119
131	Effects of Various Additives during Hot Water Treatment on the Formation of Alumina Thin Films for Superhydrophobic Surfaces. <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 387-394	2	7

130	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> , 2008 , 516, 4526-4529	2.2	34
129	Structural change and proton conductivity of phosphosilicate gel/polyimide composite membrane for a fuel cell operated at 180°C. <i>Journal of Membrane Science</i> , 2008 , 324, 188-191	9.6	13
128	Mechanochemical synthesis of Fe ₂ O ₃ nanoparticles and their application to all-solid-state lithium batteries. <i>Journal of Power Sources</i> , 2008 , 183, 418-421	8.9	16
127	Proton conductive inorganic/organic hybrid membranes prepared from 3-aminopropyltriethoxysilane and phosphoric acid by the sol-gel method. <i>Solid State Ionics</i> , 2008 , 179, 1151-1154	3.3	14
126	Direct Formation of Zn-Al Layered Double Hydroxide Thin Films Intercalated with Various Organic Anions through the Sol-Gel Method with Hot Water Treatment. <i>Solid State Phenomena</i> , 2007 , 124-126, 635-638	0.4	6
125	Characterization of proton-conductive SiO ₂ /3PW12O ₄₀ composites prepared by mechanochemical treatment. <i>Solid State Ionics</i> , 2007 , 178, 709-712	3.3	6
124	Inorganic/organic hybrid membranes prepared from 3-aminopropyltriethoxysilane and sulfuric acid as anhydrous proton conductors. <i>Solid State Ionics</i> , 2007 , 178, 705-708	3.3	12
123	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> , 2007 , 515, 3914-3917	2.2	31
122	Direct Formation of Mg-Al-Layered Double-Hydroxide Films on Glass Substrate by the Sol-Gel Method With Hot Water Treatment. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1940-1942	3.8	28
121	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> , 2007 , 41, 217-222 ^{2,3}	2.3	29
120	Fabrication of convex-shaped polybenzylsilsesquioxane micropatterns by the electrophoretic sol-gel deposition process using indium tin oxide substrates with a hydrophobic-hydrophilic-patterned surface. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 43, 85-91	2.3	4
119	Preparation of Fe ₂ O ₃ Electrode Materials via Solution Process and Their Electrochemical Properties in All-Solid-State Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2007 , 154, A725	3.9	38
118	Effects of Phenyltriethoxysilane Concentration in Starting Solutions on Thermal Properties of Polyphenylsilsesquioxane Particles Prepared by a Two-Step Acid-Base Catalyzed Sol-Gel Process. <i>Journal of the Ceramic Society of Japan</i> , 2007 , 115, 131-135		9
117	Micropatterning for Vinylsilsesquioxane-Titania Hybrid Gel Films with Ultraviolet Light Irradiation. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2007 , 20, 101-105	0.7	7
116	Preparation and Characterization of Polyaminophenylsilsesquioxane Particles by Two-step Acid-Base-catalyzed Sol-Gel Process. <i>Chemistry Letters</i> , 2007 , 36, 324-325	1.7	4
115	Structure of polyphenylsilsesquioxane particles prepared by two-step acid-base catalyzed sol-gel process and formation of hollow particles. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3307-12 ^{1,3}		6
114	Operation of PEFC using composite sheets composed of phosphosilicate gels and thermally stable organic polymers. <i>Solid State Ionics</i> , 2006 , 177, 2437-2441	3.3	6
113	Formation of electrode/electrolyte interface by lithium insertion to SnSb ₂ S ₅ negative electrode materials in all-solid-state cells. <i>Solid State Ionics</i> , 2006 , 177, 2737-2740	3.3	17

112	Titania Nanocrystals-Dispersed Coatings from SiO ₂ -TiO ₂ Gel Films through Hydrolysis and Dissolution. <i>Key Engineering Materials</i> , 2006 , 317-318, 565-568	0.4	1
111	Micropatterning of Phenylsilsesquioxane Thick Films by the Electrophoretic Sol-Gel Deposition Process Using ITO Substrates with a Hydrophobic-Hydrophilic Patterned Surface. <i>Key Engineering Materials</i> , 2006 , 314, 159-166	0.4	4
110	Electrophoretic Deposition of Sol-Gel Derived V ₂ O ₅ Microparticles and Its Application for Cathodes for Li-Secondary Batteries. <i>Key Engineering Materials</i> , 2006 , 314, 107-114	0.4	7
109	All-solid-state rechargeable lithium batteries using SnX-P ₂ X ₅ (X = S and O) amorphous negative electrodes. <i>Research on Chemical Intermediates</i> , 2006 , 32, 497-506	2.8	6
108	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> , 2006 , 128, 16470-1	16.4	66
107	Direct Formation of ZnAl Layered Double Hydroxide Films with High Transparency on Glass Substrate by the Sol-Gel Process with Hot Water Treatment. <i>Crystal Growth and Design</i> , 2006 , 6, 1726-1729	2.5	28
106	Platelike Crystal Growth of ZnAl Layered Double Hydroxide by Hot Water Treatment of Sol-Gel Derived Al ₂ O ₃ /ZnO Films on Glass Substrate. <i>Chemistry Letters</i> , 2006 , 35, 174-175	1.7	21
105	Formation of convex shaped poly(phenylsilsesquioxane) micropatterns on indium tin oxide substrates with hydrophobic-hydrophilic patterns using the electrophoretic sol-gel deposition method. <i>Journal of Materials Research</i> , 2006 , 21, 1255-1260	2.5	9
104	Micropatterning of Inorganic-Organic Hybrid Thick Films from Vinyltriethoxysilane. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 125-127		9
103	External-Field Hot-Water Treatments of Sol-Gel Derived SiO ₂ -TiO ₂ Coatings for Surface Nanostructure Control-A Review-. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 26-35		7
102	Characterization and Electrophoretic Deposition of Poly(Phenylsilsesquioxane)/Titania Hybrid Particles Prepared by the Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3107-3111	3.8	6
101	Micropatterning of Transparent Poly(Benzylsilsesquioxane) Thick Films Prepared by the Electrophoretic Sol-Gel Deposition Process Using a Hydrophobic-Hydrophilic-Patterned Surface. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3832-3835	3.8	6
100	High rate performances of all-solid-state In/LiCoO ₂ cells with the Li ₂ S/B ₂ S ₅ glass-ceramic electrolytes. <i>Solid State Ionics</i> , 2006 , 177, 2731-2735	3.3	20
99	High lithium ion conducting glass-ceramics in the system Li ₂ S/B ₂ S ₅ . <i>Solid State Ionics</i> , 2006 , 177, 2721-2725	3.3	228
98	Lithium ion conducting solid electrolytes prepared from Li ₂ S, elemental P and S. <i>Solid State Ionics</i> , 2006 , 177, 2753-2757	3.3	26
97	Preparation of proton conductive composites with CsHSO ₄ /CsH ₂ PO ₄ and phosphosilicate gel. <i>Solid State Ionics</i> , 2006 , 177, 2463-2466	3.3	18
96	Formation of anti-reflective alumina films on polymer substrates by the sol-gel process with hot water treatment. <i>Surface and Coatings Technology</i> , 2006 , 201, 3653-3657	4.4	28
95	Hot-water treatment of sol-gel derived SiO ₂ /TiO ₂ microparticles and application to electrophoretic deposition for thick films. <i>Journal of Materials Science</i> , 2006 , 41, 8101-8108	4.3	21

94	Preparation and application of alumina- and titania- nanocrystals-dispersed thin films via sol-gel process with hot water treatment. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 40, 281-285	2.3	17
93	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> , 2005 , 152, A1499	3.9	52
92	Formation and Characterization of Titania Nanosheet-Precipitated Coatings via Sol-Gel Process with Hot Water Treatment under Vibration. <i>Chemistry of Materials</i> , 2005 , 17, 749-757	9.6	28
91	New Lithium-Ion Conducting Crystal Obtained by Crystallization of the $\text{Li}_2\text{S}_2\text{P}_2\text{S}_5$ Glasses. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A603		53
90	Effects of Electric Field on the Formation of Titania Nanocrystals on $\text{SiO}_2\text{-TiO}_2$ Gel Coatings during Hot Water Treatment. <i>Journal of the Ceramic Society of Japan</i> , 2005 , 113, 333-335		5
89	Structural Changes in $\text{RSiO}_3/2\text{-TiO}_2$ Hybrid Films with UV Irradiation and Their Photocatalytic Micropatterning. <i>Journal of the Ceramic Society of Japan</i> , 2005 , 113, 519-524		8
88	All-solid-state lithium secondary batteries with $\text{SnS}_2\text{P}_2\text{S}_5$ negative electrodes and $\text{Li}_2\text{S}_2\text{P}_2\text{S}_5$ solid electrolytes. <i>Journal of Power Sources</i> , 2005 , 146, 496-500	8.9	22
87	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> , 2005 , 146, 715-718	8.9	35
86	Design of composite positive electrode in all-solid-state secondary batteries with $\text{Li}_2\text{S}_2\text{P}_2\text{S}_5$ glass-ceramic electrolytes. <i>Journal of Power Sources</i> , 2005 , 146, 711-714	8.9	49
85	Utilization of glass paper as a support of proton conductive inorganic-organic hybrid membranes based on 3-glycidoxypropyltrimethoxysilane. <i>Electrochemistry Communications</i> , 2005 , 7, 245-248	5.1	26
84	Preparation of proton conductive composites with cesium hydrogen sulfate and phosphosilicate gel. <i>Solid State Ionics</i> , 2005 , 176, 2909-2912	3.3	14
83	Inorganic-organic hybrid films using epoxycyclohexylethyltrimethoxysilane and orthophosphoric acid for PEFC operated at medium temperatures. <i>Solid State Ionics</i> , 2005 , 176, 2997-2999	3.3	15
82	Utilization of glass papers as a support for proton conducting inorganic-organic hybrid membranes from 3-glycidoxypropyltrimethoxysilane, tetraalkoxysilane and orthophosphoric acid. <i>Solid State Ionics</i> , 2005 , 176, 3001-3004	3.3	14
81	Formation Process of Super-Water-Repellent Al_2O_3 Coating Films with High Transparency by the Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 3213-3216	3.8	240
80	Microstructure and Dielectric Properties of YMnO_3 Thin Films Prepared by Dip-Coating. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1357-1360	3.8	16
79	Super-Water-Repellent Al_2O_3 Coating Films with High Transparency. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1040-1042	3.8	247
78	Lowering of Preparation Temperatures of Anatase Nanocrystals-Dispersed Coatings via Sol-Gel Process with Hot Water Treatment. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1421-1426	3.8	18
77	New, Highly Ion-Conductive Crystals Precipitated from $\text{Li}_2\text{S}_2\text{P}_2\text{S}_5$ Glasses. <i>Advanced Materials</i> , 2005 , 17, 918-921	24	607

76	Mechanochemical synthesis of lithium ion conducting glasses and glass-ceramics in the system $\text{Li}_2\text{S-P}$. <i>Solid State Ionics</i> , 2005 , 176, 2349-2353	3.3	26
75	Preparation of proton conducting composites by mechanical milling for phosphorus-containing solid acids. <i>Solid State Ionics</i> , 2005 , 176, 2899-2904	3.3	19
74	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> , 2005 , 33, 117-120	2.3	29
73	Characterization of anatase nanocrystal-precipitated coatings from $(100-x)\text{SiO}_2\text{-xTiO}_2$ gel films via the sol-gel process with boiling hot water treatment. <i>Journal of Materials Research</i> , 2005 , 20, 256-263	2.5	8
72	?????????????????. <i>Electrochemistry</i> , 2005 , 73, 833-836	1.2	1
71	Preparation and characterization of copolymerized methylsilsesquioxane-benzylsilsesquioxane microparticles for electrophoretic sol-gel deposition. <i>Journal of Materials Science</i> , 2004 , 39, 903-909	4.3	7
70	Preparation of Titania Nanosheet-Precipitated Coatings on Glass Substrates by Treating $\text{SiO}_2\text{-TiO}_2$ Gel Films with Hot Water Under Vibrations. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 229-233	2.3	10
69	Micropatterning of Sol-Gel Derived Thin Films Using Hydrophobic-Hydrophilic Patterned Surface. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 299-302	2.3	13
68	Preparation of Proton Conductive Inorganic-Organic Hybrid Films Using Epoxycyclohexylethyltrimethoxysilane and Orthophosphoric Acid. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 365-368	2.3	7
67	Rechargeable lithium batteries, using sulfur-based cathode materials and $\text{Li}_2\text{S-P}_2\text{S}_5$ glass-ceramic electrolytes. <i>Electrochimica Acta</i> , 2004 , 50, 893-897	6.7	63
66	Medium temperature operation of fuel cells using inorganic-organic hybrid films from 3-glycidoxypropyltrimethoxysilane and orthophosphoric acid. <i>Electrochimica Acta</i> , 2004 , 50, 705-708	6.7	22
65	All-solid-state lithium secondary batteries using $\text{Li}_2\text{S-Bi}_2\text{S}_3\text{-P}_2\text{S}_5\text{-SiO}_4$ glasses and $\text{Li}_2\text{S-P}_2\text{S}_5$ glass ceramics as solid electrolytes. <i>Solid State Ionics</i> , 2004 , 175, 699-702	3.3	16
64	Characterization of $\text{Li}_2\text{S-P}_2\text{S}_5$ glass-ceramics as a solid electrolyte for lithium secondary batteries. <i>Solid State Ionics</i> , 2004 , 175, 683-686	3.3	107
63	Medium temperature operation of fuel cells using thermally stable proton-conducting composite sheets composed of phosphosilicate gel and polyimide. <i>Journal of Power Sources</i> , 2004 , 138, 51-55	8.9	17
62	Micropatterning of SnO_2 thin films using hydrophobic-hydrophilic patterned surface. <i>Ceramics International</i> , 2004 , 30, 1815-1817	5.1	15
61	Preparation and characterization of $\text{SnO-B}_2\text{O}_5$ glasses as anode materials for lithium secondary batteries. <i>Journal of Non-Crystalline Solids</i> , 2004 , 345-346, 478-483	3.9	53
60	Cycle Performance of All-solid-state In/LiCoO_2 Batteries with $\text{Li}_2\text{S-P}_2\text{S}_5$ Glass-ceramic Electrolytes. <i>Electrochemistry</i> , 2003 , 71, 1196-1200	1.2	5
59	Preparation of LiCoPO_4 for Lithium Battery Cathodes through Solution Process. <i>Electrochemistry</i> , 2003 , 71, 1192-1195	1.2	26

58	Micropatterning of Inorganic-Organic Hybrid Coating Films from Various Tri-Functional Silicon Alkoxides with a Double Bond in Their Organic Components. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 431-434	2.3	14
57	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> , 2003 , 26, 705-708	2.3	124
56	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> , 2003 , 27, 61-69	2.3	39
55	Proton conductivity at medium temperature range and chemical durability of phosphosilicate gels added with a third component. <i>Solid State Ionics</i> , 2003 , 162-163, 253-259	3.3	18
54	Preparation and characterization of thermally stable proton-conducting composite sheets composed of phosphosilicate gel and polyimide. <i>Solid State Ionics</i> , 2003 , 162-163, 247-252	3.3	16
53	Inorganic-organic hybrid films from 3-glycidoxypropyltrimethoxysilane and orthophosphoric acid for medium temperature fuel cells. <i>Electrochemistry Communications</i> , 2003 , 5, 644-646	5.1	30
52	All-solid-state Li/S batteries with highly conductive glass-ceramic electrolytes. <i>Electrochemistry Communications</i> , 2003 , 5, 701-705	5.1	270
51	All-solid-state lithium secondary batteries using a layer-structured LiNi _{0.5} Mn _{0.5} O ₂ cathode material. <i>Journal of Power Sources</i> , 2003 , 124, 170-173	8.9	22
50	Preparation of Proton-Conductive Inorganic-Organic Hybrid Films from 3-Glycidoxypropyltrimethoxysilane and Orthophosphoric Acid. <i>Chemistry of Materials</i> , 2003 , 15, 1910-1912	9.6	44
49	Proton conductivities of sol-gel derived phosphosilicate gels in medium temperature range with low humidity. <i>Solid State Ionics</i> , 2002 , 154-155, 687-692	3.3	70
48	Conductivity Enhancement and Thermal Properties of AgI-MO ₂ (M=Zr, Si) Composites Using Sol-Gel Derived Aerogels. <i>Journal of the Electrochemical Society</i> , 2002 , 149, A773	3.9	9
47	Phosphosilicate Gels as a Solid State Proton Conductor at Medium Temperature and Low Humidity.. <i>Journal of the Ceramic Society of Japan</i> , 2002 , 110, 131-134		16
46	All Solid-state Lithium Secondary Batteries Using High Lithium Ion Conducting Li ₂ S ₂ S ₅ Glass-Ceramics. <i>Chemistry Letters</i> , 2002 , 31, 1244-1245	1.7	69
45	Sol-Gel Derived Porous Silica Gels Impregnated with Sulfuric Acid. <i>Journal of the Electrochemical Society</i> , 2002 , 149, E292	3.9	15
44	Photocatalytic Micropatterning of Transparent Ethylsilsesquioxane-Titania Hybrid Films. <i>Chemistry of Materials</i> , 2002 , 14, 2693-2700	9.6	20
43	Proton Conductive Inorganic-Organic Hybrid Membranes as an Electrolyte for Fuel Cells Prepared from 3-Glycidoxypropyltrimethoxysilane and Orthophosphoric Acid. <i>Electrochemistry</i> , 2002 , 70, 998-1000	1.2	7
42	Proton conductivity of acid-impregnated mesoporous silica gels prepared using surfactants as a template. <i>Solid State Ionics</i> , 2001 , 145, 135-140	3.3	8
41	Medium temperature range characterization as a proton conductor for phosphosilicate dry gels containing large amounts of phosphorus. <i>Electrochimica Acta</i> , 2001 , 47, 939-944	6.7	68

40	Preparation of Super-Water-Repellent Alumina Coating Film with High Transparency on Poly(ethylene terephthalate) by the Sol-Gel Method. <i>Chemistry Letters</i> , 2000 , 29, 864-865	1.7	35
39	Preparation and Proton Conductivity of Surfactant-Templated Mesoporous Silica Gels Impregnated with Protonic Acids. <i>Journal of the American Ceramic Society</i> , 2000 , 83, 3004-3008	3.8	5
38	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> , 2000 , 19, 687-690	2.3	21
37	Formation of Superhydrophobic-Superhydrophilic Pattern on Flowerlike Alumina Thin Film by the Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 211-214	2.3	94
36	Preparation and Ferroelectric Properties of YMnO ₃ Thin Films with c-Axis Preferred Orientation by the Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 589-593	2.3	7
35	Fine Patterning of Transparent, Conductive SnO ₂ Thin Films by UV-Irradiation. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 791-794	2.3	25
34	Preparation of AgI-Al ₂ O ₃ Composites with High Ionic Conductivity Using Al ₂ O ₃ Aerogel and Xerogel. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 4061	3.9	19
33	Superhydrophobic-Superhydrophilic Micropatterning on Flowerlike Alumina Coating Film by the Sol-Gel Method. <i>Chemistry of Materials</i> , 2000 , 12, 590-592	9.6	411
32	Precursor Structure of Chemically Modified Aluminum-tri-sec-Butoxide in Diethylene Glycol and Ethylene Glycol Monoethyl Ether.. <i>Journal of the Ceramic Society of Japan</i> , 2000 , 108, 420-423		1
31	Lowering the Crystallization Temperature of YMnO ₃ Thin Films by the Sol-Gel Method Using an Yttrium Alkoxide. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 5448-5451	1.4	6
30	Ferroelectricity of YMnO ₃ thin films prepared via solution. <i>Applied Physics Letters</i> , 1999 , 75, 719-721	3.4	49
29	Water and Oxygen Permeability of Silica Thin Films Containing Organic Polymers Coated on Poly(Ethylene Terephthalate) Substrate by the Sol-Gel Method.. <i>Journal of the Ceramic Society of Japan</i> , 1999 , 107, 293-296		16
28	Origin of Leakage Current of YMnO ₃ Thin Films Prepared by the Sol-Gel Method. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 596, 481		0
27	Structural Change Accompanying Crystallization in the Lithium Ion Conductive Li ₂ S-SiS ₂ -Li ₃ PO ₄ Oxysulfide Glasses.. <i>Journal of the Ceramic Society of Japan</i> , 1999 , 107, 510-516		8
26	Preparation and Dielectric Properties of YMnO ₃ Ferroelectric Thin Films by the Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 903-908	2.3	12
25	Thermal and electrical properties of rapidly quenched Li ₂ S-SiS ₂ -Li ₂ O-P ₂ O ₅ oxysulfide glasses. <i>Solid State Ionics</i> , 1998 , 113-115, 733-738	3.3	9
24	Sintering and crystallization of La ₂ O ₃ -doped Al ₂ O ₃ aerogels from chemically modified aluminum alkoxide. <i>Journal of Non-Crystalline Solids</i> , 1998 , 225, 230-233	3.9	10
23	Preparation and thermal stability of La ₂ O ₃ /Al ₂ O ₃ aerogels from chemically modified Al-alkoxide. <i>Journal of Materials Chemistry</i> , 1998 , 8, 1241-1244		9

22	YMnO ₃ Thin Films Prepared from Solutions for Non Volatile Memory Devices. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, L1601-L1603	1.4	31
21	Preparation of Organic-Inorganic Hybrid Coating Films from Vinyltriethoxysilane-Tetraethoxysilane by the Sol-Gel Method. <i>Journal of the Ceramic Society of Japan</i> , 1997 , 105, 555-558		14
20	Preparation and characterization of super-water-repellent Al ₂ O ₃ coating films with high transparency 1997 ,		10
19	Water Permeation of SiO ₂ -CH ₃ SiO ₃ /2 Thin Films Modified with Trimethylsilyl Groups on Nylon-6 Substrates. <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 10, 301-307	2.3	4
18	Precursor structure and microstructure of Al ₂ O ₃ xerogels prepared from aluminum-tri-sec-butoxide chemically modified with mono-, di-, tri-ethanolamines. <i>Journal of Non-Crystalline Solids</i> , 1996 , 201, 231-236	3.9	19
17	Water permeation properties of SiO ₂ -RSiO ₃ /2 (R = methyl, vinyl, phenyl) thin films prepared by the sol-gel method on nylon-6 substrate. <i>Journal of Applied Polymer Science</i> , 1996 , 61, 2173-2177	2.9	22
16	Formation of SiO ₂ -based coatings by the sol-gel method and their effects on water vapour permeability of polyimide films. <i>Journal of Materials Science Letters</i> , 1996 , 15, 1517-1519		17
15	Coating and water permeation properties of SiO ₂ thin films prepared by the sol-gel method on nylon-6 substrates. <i>Journal of Sol-Gel Science and Technology</i> , 1996 , 6, 107-111	2.3	41
14	Preparation of CdS-doped Glasses from Gels Containing Diethyldithiocarbamatocadmium. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 1668-1672	3.8	5
13	Effect of Alkanolamines on the Microstructure and Dielectric Properties of Lead Zirconium Titanium Trioxide Thin Films Prepared from Modified Metal Alkoxides. <i>Japanese Journal of Applied Physics</i> , 1995 , 34, L1155-L1157	1.4	9
12	Microstructure of Al ₂ O ₃ Xerogels and Aerogels from Aluminum-tri-sec-Butoxide Modified with Ethylacetoacetate. <i>Journal of the Ceramic Society of Japan</i> , 1995 , 103, 582-585		7
11	Precursor structure and hydrolysis-gelation process of Al(O-sec-Bu) ₃ modified with ethylacetoacetate. <i>Journal of Sol-Gel Science and Technology</i> , 1994 , 3, 5-10	2.3	25
10	Soft X-ray XAFS: local structure of mullite gels prepared from modified aluminium alkoxides. <i>Journal of Non-Crystalline Solids</i> , 1994 , 177, 187-192	3.9	3
9	²⁷ Al NMR Study of Coordination States of Aluminum-tri-sec-butoxide Dissolved in Diacetone Alcohol. <i>Chemistry Letters</i> , 1994 , 23, 1507-1510	1.7	5
8	Optimization of the melt-solidification process for Bi _{1.6} Pb _{0.4} Ca ₂ Sr ₂ Cu ₃ O _x high-T _c superconductor thick films. <i>Materials Chemistry and Physics</i> , 1993 , 34, 162-165	4.4	
7	Third harmonic generation from MO _x -PbO-GaO _{1.5} ternary glasses. <i>Applied Physics Letters</i> , 1992 , 60, 2069-2061 ₁₅		
6	Coordination of Ga ³⁺ ions in PbO-Ga ₂ O ₃ glasses as determined by ⁷¹ Ga NMR. <i>Journal of Non-Crystalline Solids</i> , 1992 , 139, 268-270	3.9	31
5	A ²⁰⁷ Pb MAS-NMR study of Pb-containing glasses. <i>Journal of Non-Crystalline Solids</i> , 1992 , 150, 192-196	3.9	31

- | | | | |
|---|---|-----|---|
| 4 | Formation process of high T _c superconducting Bi-Pb-Ca-Sr-Cu-O thick films via melt solidification. <i>Applied Physics Letters</i> , 1990 , 57, 2597-2599 | 3.4 | 7 |
| 3 | Preparation of Cu ₃ N thin films by nitridation of solution process-derived thin films using urea. <i>Journal of Sol-Gel Science and Technology</i> ,1 | 2.3 | |
| 2 | Argyrodite solid electrolyte-coated graphite as anode material for all-solid-state batteries. <i>Journal of Sol-Gel Science and Technology</i> ,1 | 2.3 | 1 |
| 1 | Sulfide-Based Solid-State Electrolytes. <i>ACS Symposium Series</i> ,319-351 | 0.4 | |