Kiyoharu Tadanaga

List of Publications by Year
in descending order

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283	10,002	41323	49868
papers	citations	49 h-index	87 g-index

286	286	286	7831
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New, Highly Ion-Conductive Crystals Precipitated from Li2S-P2S5 Glasses. Advanced Materials, 2005, 17, 918-921.	11.1	759
2	Superhydrophobicâ"Superhydrophilic Micropatterning on Flowerlike Alumina Coating Film by the Solâ"Gel Method. Chemistry of Materials, 2000, 12, 590-592.	3.2	453
3	All-solid-state Li/S batteries with highly conductive glassâ€"ceramic electrolytes. Electrochemistry Communications, 2003, 5, 701-705.	2.3	302
4	High lithium ion conducting glass-ceramics in the system Li2Sâ€"P2S5. Solid State Ionics, 2006, 177, 2721-2725.	1.3	294
5	Superâ€Waterâ€Repellent Al₂O₃ Coating Films with High Transparency. Journal of the American Ceramic Society, 1997, 80, 1040-1042.	1.9	277
6	Formation Process of Superâ€Waterâ€Repellent Al₂O₃ Coating Films with High Transparency by the Solâ€"Gel Method. Journal of the American Ceramic Society, 1997, 80, 3213-3216.	1.9	269
7	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. Nature Reviews Chemistry, 2019, 3, 189-198.	13.8	238
8	Preparation of high lithium-ion conducting Li6PS5Cl solid electrolyte from ethanol solution for all-solid-state lithium batteries. Journal of Power Sources, 2015, 293, 941-945.	4.0	209
9	Monolithic electrode for electric double-layer capacitors based on macro/meso/microporous S-Containing activated carbon with high surface area. Journal of Materials Chemistry, 2011, 21, 2060.	6.7	151
10	Modification of Interface Between LiCoO[sub 2] Electrode and Li[sub 2]Sâ€"P[sub 2]S[sub 5] Solid Electrolyte Using Li[sub 2]Oâ€"SiO[sub 2] Glassy Layers. Journal of the Electrochemical Society, 2009, 156, A27.	1.3	150
11	Liquid-phase synthesis of a Li3PS4 solid electrolyte using N-methylformamide for all-solid-state lithium batteries. Journal of Materials Chemistry A, 2014, 2, 5095.	5.2	138
12	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 705-708.	1.1	134
13	Improvement of High-Rate Performance of All-Solid-State Lithium Secondary Batteries Using LiCoO[sub 2] Coated with Li[sub 2]Oâ€"SiO[sub 2] Glasses. Electrochemical and Solid-State Letters, 2008, 11, A1.	2.2	131
14	Characterization of Li2S?P2S5 glass-ceramics as a solid electrolyte for lithium secondary batteries. Solid State Ionics, 2004, 175, 683-686.	1.3	122
15	Low temperature synthesis of highly ion conductive Li7La3Zr2O12â€"Li3BO3 composites. Electrochemistry Communications, 2013, 33, 51-54.	2.3	119
16	Direct Ethanol Fuel Cell Using Hydrotalcite Clay as a Hydroxide Ion Conductive Electrolyte. Advanced Materials, 2010, 22, 4401-4404.	11.1	113
17	Low temperature synthesis of Al-doped Li7La3Zr2O12 solid electrolyte by a solâ€"gel process. Solid State Ionics, 2014, 255, 104-107.	1.3	106
18	All-solid-state lithium secondary batteries with oxide-coated LiCoO2 electrode and Li2Sâ€"P2S5 electrolyte. Journal of Power Sources, 2009, 189, 527-530.	4.0	104

#	Article	IF	Citations
19	In-plane chemical pressure essential for superconductivity in BiCh2-based (Ch: S, Se) layered structure. Scientific Reports, 2015, 5, 14968.	1.6	104
20	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 211-214.	1.1	102
21	Preparation of Li 3 BO 3 â€“Li 2 SO 4 glassâ€“ceramic electrolytes for all-oxide lithium batteries. Journal of Power Sources, 2014, 270, 603-607.	4.0	92
22	Preparation of Li2Sâ€“P2S5 solid electrolyte from N-methylformamide solution and application for all-solid-state lithium battery. Journal of Power Sources, 2014, 248, 939-942.	4.0	92
23	Medium temperature range characterization as a proton conductor for phosphosilicate dry gels containing large amounts of phosphorus. Electrochimica Acta, 2001, 47, 939-944.	2.6	85
24	Preparation of lithium ion conductive Al-doped Li7La3Zr2O12 thin films by a solâ€“gel process. Journal of Power Sources, 2015, 273, 844-847.	4.0	81
25	Electrochemical performance of all-solid-state lithium secondary batteries with Liâ€“Niâ€“Coâ€“Mn oxide positive electrodes. Electrochimica Acta, 2010, 55, 8821-8828.	2.6	80
26	Instantaneous preparation of high lithium-ion conducting sulfide solid electrolyte Li₇P₃S₁₁ by a liquid phase process. RSC Advances, 2017, 7, 46499-46504.	1.7	79
27	All Solid-state Lithium Secondary Batteries Using High Lithium Ion Conducting Li2Sâ€“P2S5Glass-Ceramics. Chemistry Letters, 2002, 31, 1244-1245.	0.7	77
28	Coatings made by solâ€“gel and chemical nanotechnology. Journal of Sol-Gel Science and Technology, 2008, 47, 203-236.	1.1	77
29	Proton conductivities of solâ€“gel derived phosphosilicate gels in medium temperature range with low humidity. Solid State Ionics, 2002, 154-155, 687-692.	1.3	76
30	Effect of Sintering Additives on Relative Density and Liâ€ion Conductivity of Nbâ€Doped Li₇La₃ZrO₁₂ Solid Electrolyte. Journal of the American Ceramic Society, 2017, 100, 276-285.	1.9	76
31	Liquid-phase synthesis of Li6PS5Br using ultrasonication and application to cathode composite electrodes in all-solid-state batteries. Ceramics International, 2018, 44, 742-746.	2.3	75
32	Evaluation of ionic conductivity for Mgâ€“Al layered double hydroxide intercalated with inorganic anions. Solid State Ionics, 2011, 192, 185-187.	1.3	74
33	Rechargeable lithium batteries, using sulfur-based cathode materials and Li2Sâ€“P2S5 glass-ceramic electrolytes. Electrochimica Acta, 2004, 50, 893-897.	2.6	73
34	Electrochemical performance of a garnet solid electrolyte based lithium metal battery with interface modification. Journal of Materials Chemistry A, 2018, 6, 21018-21028.	5.2	71
35	Inorganicâ^'Organic Hybrid Membranes with Anhydrous Proton Conduction Prepared from 3-Aminopropyltriethoxysilane and Sulfuric Acid by the Solâ^'Gel Method. Journal of the American Chemical Society, 2006, 128, 16470-16471.	6.6	70
36	New Lithium-Ion Conducting Crystal Obtained by Crystallization of the Li[sub 2]Sâ€“P[sub 2]S[sub 5] Glasses. Electrochemical and Solid-State Letters, 2005, 8, A603.	2.2	67

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37	Improvement of electrochemical performance in alkaline fuel cell by hydroxide ion conducting Niâ€“Al layered double hydroxide. Journal of Power Sources, 2013, 222, 493-497.	4.0	65
38	Preparation of Li7La3(Zr2â^',Nb)O12 (x= 0â€“1.5) and Li3BO3/LiBO2 composites at low temperatures using a solâ€“gel process. Solid State Ionics, 2016, 285, 6-12.	1.3	65
39	Composite cathode prepared by argyrodite precursor solution assisted by dispersant agents for bulk-type all-solid-state batteries. Journal of Power Sources, 2018, 396, 33-40.	4.0	59
40	Preparation and characterization of SnOâ€“P2O5 glasses as anode materials for lithium secondary batteries. Journal of Non-Crystalline Solids, 2004, 345-346, 478-483.	1.5	58
41	Preparation of Proton-Conductive Inorganicâ^'Organic Hybrid Films from 3-Glycidoxypropyltrimethoxysilane and Orthophosphoric Acid. Chemistry of Materials, 2003, 15, 1910-1912.	3.2	57
42	Design of composite positive electrode in all-solid-state secondary batteries with Li2S-P2S5 glassâ€“ceramic electrolytes. Journal of Power Sources, 2005, 146, 711-714.	4.0	57
43	Effects of Conductive Additives in Composite Positive Electrodes on Charge-Discharge Behaviors of All-Solid-State Lithium Secondary Batteries. Journal of the Electrochemical Society, 2005, 152, A1499.	1.3	56
44	Improvement of electrochemical performance of all-solid-state lithium secondary batteries by surface modification of LiMn2O4 positive electrode. Solid State Ionics, 2011, 192, 304-307.	1.3	55
45	Synthesis of monodispersed silica nanoparticles with high concentration by the StÃ¶ber process. Journal of Sol-Gel Science and Technology, 2013, 68, 341-345.	1.1	55
46	Ferroelectricity of YMnO3 thin films prepared via solution. Applied Physics Letters, 1999, 75, 719-721.	1.5	54
47	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. Chemistry of Materials, 2016, 28, 459-465.	3.2	54
48	Preparation of sulfide solid electrolytes in the Li₂Sâ€“P₂S₅ system by a liquid phase process. Inorganic Chemistry Frontiers, 2018, 5, 501-508.	3.0	53
49	Nitrogenâ€Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2016, 55, 7963-7967.	7.2	52
50	Effect of the binder content on the electrochemical performance of composite cathode using Li6PS5Cl precursor solution in an all-solid-state lithium battery. Ionics, 2017, 23, 1619-1624.	1.2	52
51	Structural and Electrochemical Evaluation of Three- and Two-Dimensional Organohalide Perovskites and Their Influence on the Reversibility of Lithium Intercalation. Inorganic Chemistry, 2018, 57, 4181-4188.	1.9	51
52	Observing and Modeling the Sequential Pairwise Reactions that Drive Solidâ€State Ceramic Synthesis. Advanced Materials, 2021, 33, e2100312.	11.1	51
53	All-solid-state lithium secondary batteries with metal-sulfide-coated LiCoO2 prepared by thermal decomposition of dithiocarbamato complexes. Journal of Materials Chemistry, 2012, 22, 15247.	6.7	50
54	High-rate performance of all-solid-state lithium secondary batteries using Li4Ti5O12 electrode. Journal of Power Sources, 2009, 189, 145-148.	4.0	49

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55	Electrical and mechanical properties of glass and glass-ceramic electrolytes in the system Li₃BO₃–Li₂SO₄. Journal of the Ceramic Society of Japan, 2017, 125, 433-437.		48
56	Coating and water permeation properties of SiO2 thin films prepared by the sol-gel method on nylon-6 substrates. Journal of Sol-Gel Science and Technology, 1996, 6, 107-111.	1.1	46
57	Preparation of lithium ion conductive Li6PS5Cl solid electrolyte from solution for the fabrication of composite cathode of all-solid-state lithium battery. Journal of Sol-Gel Science and Technology, 2019, 89, 303-309.	1.1	46
58	Preparation of Super-Water-Repellent Alumina Coating Film with High Transparency on Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	43
59	All-solid-state electrochemical capacitors using MnO2/carbon nanotube composite electrode. Electrochimica Acta, 2013, 109, 651-655.	2.6	43
60	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 27, 61-69.	1.1	42
61	Electrical and electrochemical properties of Li2Sâ€“P2S5â€“P2O5 glassâ€“ceramic electrolytes. Journal of Power Sources, 2005, 146, 715-718.	4.0	42
62	YMnO3 Thin Films Prepared from Solutions for Non Volatile Memory Devices. Japanese Journal of Applied Physics, 1997, 36, L1601-L1603.	0.8	41
63	Preparation of Î±-Fe[sub 2]O[sub 3] Electrode Materials via Solution Process and Their Electrochemical Properties in All-Solid-State Lithium Batteries. Journal of the Electrochemical Society, 2007, 154, A725.	1.3	41
64	Porous ZnV‹sub›2‹/sub›O‹sub›4‹/sub› Nanowire for Stable and High-Rate Lithium-Ion Battery Anodes. ACS Applied Nano Materials, 2019, 2, 4247-4256.	2.4	41
65	Electrochemical performance of bulk-type all-solid-state batteries using small-sized Li7P3S11 solid electrolyte prepared by liquid phase as the ionic conductor in the composite cathode. Electrochimica Acta, 2019, 296, 473-480.	2.6	40
66	Li4Ti5O12 thin-film electrodes by solâ€“gel for lithium-ion microbatteries. Journal of Power Sources, 2013, 244, 482-487.	4.0	38
67	Hydrothermal synthesis of a new Bi-based (Ba0.82K0.18)(Bi0.53Pb0.47)O3 superconductor. Journal of Alloys and Compounds, 2015, 634, 208-214.	2.8	38
68	Anti-reflective properties of nano-structured alumina thin films on poly(methyl methacrylate) substrates by the solâ€“gel process with hot water treatment. Thin Solid Films, 2008, 516, 4526-4529.	0.8	37
69	FePS3 electrodes in all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. Electrochimica Acta, 2017, 241, 370-374.	2.6	37
70	A 207Pb MAS-NMR study of Pb-containing glasses. Journal of Non-Crystalline Solids, 1992, 150, 192-196.	1.5	36
71	Multifunctional inorganic electrode materials for high-performance rechargeable metalâ€“air batteries. Journal of Materials Chemistry A, 2013, 1, 6804.	5.2	36
72	Coordination of Ga3+ ions in PbO-Ga2O3 glasses as determined by 71Ga NMR. Journal of Non-Crystalline Solids, 1992, 139, 268-270.	1.5	35

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73	Inorganicâ€“organic hybrid films from 3-glycidoxypropyltrimethoxysilane and orthophosphoric acid for medium temperature fuel cells. Electrochemistry Communications, 2003, 5, 644-646.	2.3	35
74	Thermoplastic and thermosetting properties of polyphenylsilsesquioxane particles prepared by two-step acid-base catalyzed sol-gel process. Journal of Sol-Gel Science and Technology, 2007, 41, 217-222.	1.1	35
75	Structures and optical absorption of Bi2OS2 and LaOBiS2. Solid State Communications, 2016, 227, 19-22.	0.9	35
76	Optimization of Al2O3 and Li3BO3 Content as Sintering Additives of Li7â^'x La2.95Ca0.05ZrTaO12 at Low Temperature. Journal of Electronic Materials, 2017, 46, 497-501.	1.0	34
77	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in BiS₂-Based REO_{0.5}F_{0.5}BiS₂ (RE = La, Ce, Pr, and Nd). Journal of the Physical Society of Japan, 2018, 87, 023704.	0.7	34
78	Improvement of superconducting properties by high mixing entropy at blocking layers in BiS2-based superconductor REO0.5F0.5BiS2. Solid State Communications, 2019, 295, 43-49.	0.9	34
79	Anti-Reflective Coatings of Flowerlike Alumina on Various Glass Substrates by the Sol?Gel Process with the Hot Water Treatment. Journal of Sol-Gel Science and Technology, 2005, 33, 117-120.	1.1	33
80	Antireflective properties of flowerlike alumina thin films on sodaâ€“lime silica glass substrates prepared by the solâ€“gel method with hot water treatment. Thin Solid Films, 2007, 515, 3914-3917.	0.8	33
81	Hydroxide ion conduction in Niâ€“Al layered double hydroxide. Journal of Electroanalytical Chemistry, 2012, 671, 102-105.	1.9	33
82	Formation of Li2Sâ€“P2S5 Solid Electrolyte from N-Methylformamide Solution. Chemistry Letters, 2013, 42, 1435-1437.	0.7	32
83	Chemical stability of Li4PS4I solid electrolyte against hydrolysis. Applied Materials Today, 2021, 22, 100918.	2.3	32
84	Mechanochemical synthesis of lithium ion conducting glasses and glassâ€“ceramics in the system Li2Sâ€“Pâ€“S. Solid State Ionics, 2005, 176, 2349-2353.	1.3	31
85	Formation of anti-reflective alumina films on polymer substrates by the solâ€“gel process with hot water treatment. Surface and Coatings Technology, 2006, 201, 3653-3657.	2.2	31
86	Effect of Mg/Al Ratio on Hydroxide Ion Conductivity for Mgâ€“Al Layered Double Hydroxide and Application to Direct Ethanol Fuel Cells. Journal of the Electrochemical Society, 2012, 159, B368-B370.	1.3	31
87	Direct Formation of Znâ^'Al Layered Double Hydroxide Films with High Transparency on Glass Substrate by the Solâ^'Gel Process with Hot Water Treatment. Crystal Growth and Design, 2006, 6, 1726-1729.	1.4	30
88	Electrochemical Analysis of Li[sub 4]Ti[sub 5]O[sub 12] Electrode in All-Solid-State Lithium Secondary Batteries. Journal of the Electrochemical Society, 2009, 156, A114.	1.3	30
89	All-Solid-State Lithium Secondary Batteries Using LiMn[sub 2]O[sub 4] Electrode and Li[sub 2]Sâ€“P[sub 2]S[sub 5] Solid Electrolyte. Journal of the Electrochemical Society, 2010, 157, A407.	1.3	30
90	Fabrication of all-solid-state lithium secondary batteries with amorphous TiS4 positive electrodes and Li7La3Zr2O12 solid electrolytes. Solid State Ionics, 2016, 285, 122-125.	1.3	30

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91	Synthesis, structure and photocatalytic activity of layered LaOInS₂. Journal of Materials Chemistry A, 2017, 5, 14270-14277.	5.2	30
92	Fine Patterning of Transparent, Conductive SnO2 Thin Films by UV-Irradiation. Journal of Sol-Gel Science and Technology, 2000, 19, 791-794.	1.1	29
93	All-solid-state lithium secondary batteries using a layer-structured LiNi0.5Mn0.5O2 cathode material. Journal of Power Sources, 2003, 124, 170-173.	4.0	29
94	Formation and Characterization of Titania Nanosheet-Precipitated Coatings via Solâ^'Gel Process with Hot Water Treatment under Vibration. Chemistry of Materials, 2005, 17, 749-757.	3.2	29
95	Direct Formation of Mg?Al-Layered Double-Hydroxide Films on Glass Substrate by the Sol?Gel Method With Hot Water Treatment. Journal of the American Ceramic Society, 2007, 90, 1940-1942.	1.9	29
96	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS_{2â^'}_xSe_x. Journal of Applied Physics, 2016, 119, 155103.	1.1	29
97	Preparation of LiCoPO₄ for Lithium Battery Cathodes through Solution Process. Electrochemistry, 2003, 71, 1192-1195.	0.6	28
98	Utilization of glass paper as a support of proton conductive inorganicâ€“organic hybrid membranes based on 3-glycidoxypropyltrimethoxysilane. Electrochemistry Communications, 2005, 7, 245-248.	2.3	28
99	Deposition and Analysis of Alâ€Rich câ€Al_xTi_{1â^'x}N Coating with Preferred Orientation. Journal of the American Ceramic Society, 2017, 100, 343-353.	1.9	28
100	Precursor structure and hydrolysis-gelation process of Al(O-sec-Bu)3 modified with ethylacetoacetate. Journal of Sol-Gel Science and Technology, 1994, 3, 5-10.	1.1	27
101	Lithium ion conducting solid electrolytes prepared from Li2S, elemental P and S. Solid State Ionics, 2006, 177, 2753-2757.	1.3	27
102	Selective metathesis synthesis of MgCr₂S₄ by control of thermodynamic driving forces. Materials Horizons, 2020, 7, 1310-1316.	6.4	27
103	All-solid-state lithium secondary batteries with SnSâ€“P2S5 negative electrodes and Li2Sâ€“P2S5 solid electrolytes. Journal of Power Sources, 2005, 146, 496-500.	4.0	26
104	Hydrothermal Synthesis, Structure, and Superconductivity of Simple Cubic Perovskite (Ba_{0.62}K_{0.38})(Bi_{0.92}Mg_{0.08})O₃ with T_c â¼ 30 K. Inorganic Chemistry, 2017, 56, 3174-3181.	1.9	26
105	Photocatalytic O2 evolution from water over Znâ€“Cr layered double hydroxides intercalated with inorganic anions. Materials Research Bulletin, 2015, 62, 1-4.	2.7	25
106	Significant Reduction in the Interfacial Resistance of Garnet-Type Solid Electrolyte and Lithium Metal by a Thick Amorphous Lithium Silicate Layer. ACS Applied Energy Materials, 2020, 3, 5533-5541.	2.5	25
107	Water permeation properties of SiO2-RSiO3/2 (R = methyl, vinyl, phenyl) thin films prepared by the sol-gel method on nylon-6 substrate. Journal of Applied Polymer Science, 1996, 61, 2173-2177.	1.3	24
108	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 687-690.	1.1	24

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109	Preparation of AgI-Al[sub 2]O[sub 3] Composites with High Ionic Conductivity Using Al[sub 2]O[sub 3] Aerogel and Xerogel. Journal of the Electrochemical Society, 2000, 147, 4061.	1.3	24
110	Medium temperature operation of fuel cells using inorganicâ€“organic hybrid films from 3-glycidoxypropyltrimethoxysilane and orthophosphoric acid. Electrochimica Acta, 2004, 50, 705-708.	2.6	24
111	All-solid-state lithium secondary batteries using Li2S?SiS2?Li4SiO4 glasses and Li2S?P2S5 glass ceramics as solid electrolytes. Solid State Ionics, 2004, 175, 699-702.	1.3	24
112	Hot-water treatment of solâ€“gel derived SiO2â€“TiO2 microparticles and application to electrophoretic deposition for thick films. Journal of Materials Science, 2006, 41, 8101-8108.	1.7	24
113	Kinetically Stabilized Cation Arrangement in Li₃YCl₆ Superionic Conductor during Solidâ€State Reaction. Advanced Science, 2021, 8, e2101413.	5.6	24
114	Template-assisted synthesis of PbTiO3 nanotubes. Journal of the European Ceramic Society, 2009, 29, 2575-2579.	2.8	23
115	Preparation of Coâ€“Al and Niâ€“Al layered double hydroxide thin films by a solâ€“gel process with hot water treatment. Journal of Sol-Gel Science and Technology, 2012, 62, 111-116.	1.1	23
116	Precursor structure and microstructure of Al2O3 xerogels prepared from aluminum-tri-sec-butoxide chemically modified with mono-, di-, tri-ethanolamines. Journal of Non-Crystalline Solids, 1996, 201, 231-236.	1.5	22
117	Phosphosilicate Gels as a Solid State Proton Conductor at Medium Temperature and Low Humidity.. Journal of the Ceramic Society of Japan, 2002, 110, 131-134.	1.3	22
118	Photocatalytic Micropatterning of Transparent Ethylsilsesquioxaneâ^'Titania Hybrid Films. Chemistry of Materials, 2002, 14, 2693-2700.	3.2	22
119	Platelike Crystal Growth of Znâ€“Al Layered Double Hydroxide by Hot Water Treatment of Solâ€“Gel Derived Al2O3â€“ZnO Films on Glass Substrate. Chemistry Letters, 2006, 35, 174-175.	0.7	22
120	Electrochemical performance and structural change during chargeâ€“discharge reaction of SnOâ€“P2O5 glassy electrodes in rechargeable lithium batteries. Journal of Non-Crystalline Solids, 2008, 354, 380-385.	1.5	22
121	Synthesis of sulfide solid electrolytes from Li₂S and P₂S₅ in anisole. Journal of Materials Chemistry A, 2021, 9, 400-405.	5.2	22
122	Formation of SiO2-based coatings by the sol-gel method and their effects on water vapour permeability of polyimide films. Journal of Materials Science Letters, 1996, 15, 1517-1519.	0.5	21
123	Preparation of proton conducting composites by mechanical milling for phosphorus-containing solid acids. Solid State Ionics, 2005, 176, 2899-2904.	1.3	21
124	Preparation and application of alumina- and titania- nanocrystals-dispersed thin films via sol-gel process with hot water treatment. Journal of Sol-Gel Science and Technology, 2006, 40, 281-285.	1.1	21
125	Proton conductivity at medium temperature range and chemical durability of phosphosilicate gels added with a third component. Solid State Ionics, 2003, 162-163, 253-259.	1.3	20
126	Microstructure and Dielectric Properties of YMnO₃ Thin Films Prepared by Dipâ€Coating. Journal of the American Ceramic Society, 1998, 81, 1357-1360.	1.9	20

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127	High rate performances of all-solid-state In/LiCoO2 cells with the Li2Sâ€“P2S5 glassâ€“ceramic electrolytes. Solid State Ionics, 2006, 177, 2731-2735.	1.3	20
128	Mechanochemical synthesis of Î±-Fe2O3 nanoparticles and their application to all-solid-state lithium batteries. Journal of Power Sources, 2008, 183, 418-421.	4.0	20
129	Characterization of proton conducting CsHSO4â€“CsH2PO4 ionic glasses prepared by the melt-quenching method. Solid State Ionics, 2010, 181, 190-192.	1.3	20
130	Self-Combustion Synthesis of Novel Metastable Ternary Molybdenum Nitrides. , 2019, 1, 64-70.		20
131	Formation Mechanism of Thiophosphate Anions in the Liquid-Phase Synthesis of Sulfide Solid Electrolytes Using Polar Aprotic Solvents. Chemistry of Materials, 2020, 32, 9627-9632.	3.2	20
132	Preparation and characterization of thermally stable proton-conducting composite sheets composed of phosphosilicate gel and polyimide. Solid State Ionics, 2003, 162-163, 247-252.	1.3	19
133	Medium temperature operation of fuel cells using thermally stable proton-conducting composite sheets composed of phosphosilicate gel and polyimide. Journal of Power Sources, 2004, 138, 51-55.	4.0	19
134	Formation Mechanism of Î²-Li₃PS₄ through Decomposition of Complexes. Inorganic Chemistry, 2021, 60, 6964-6970.	1.9	19
135	Preparation of proton conductive composites with cesium hydrogen sulfate and phosphosilicate gel. Solid State Ionics, 2005, 176, 2909-2912.	1.3	18
136	Lowering of Preparation Temperatures of Anatase Nanocrystals-Dispersed Coatings via Sol-Gel Process with Hot Water Treatment. Journal of the American Ceramic Society, 2005, 88, 1421-1426.	1.9	18
137	Preparation of proton conductive composites with CsHSO4/CsH2PO4 and phosphosilicate gel. Solid State Ionics, 2006, 177, 2463-2466.	1.3	18
138	Li4Ti5O12 thin-film electrodes by in-situ synthesis of lithium alkoxide for Li-ion microbatteries. Electrochimica Acta, 2014, 149, 293-299.	2.6	18
139	Synthesis, Crystal Structure, and Physical Properties of New Layered Oxychalcogenide La₂O₂Bi₃AgS₆. Journal of the Physical Society of Japan, 2017, 86, 124802.	0.7	18
140	Organicâ€“Inorganic Hybrid Materials for Interface Design in All-Solid-State Batteries with a Garnet-Type Solid Electrolyte. ACS Applied Energy Materials, 2020, 3, 11260-11268.	2.5	18
141	Sol-Gel Derived Porous Silica Gels Impregnated with Sulfuric Acid. Journal of the Electrochemical Society, 2002, 149, E292.	1.3	17
142	Utilization of glass papers as a support for proton conducting inorganicâ€“organic hybrid membranes from 3-glycidoxypropyltrimethoxysilane, tetraalkoxysilane and orthophosphoric acid. Solid State Ionics, 2005, 176, 3001-3004.	1.3	17
143	Formation of electrodeâ€“electrolyte interface by lithium insertion to SnSâ€“P2S5 negative electrode materials in all-solid-state cells. Solid State Ionics, 2006, 177, 2737-2740.	1.3	17
144	Proton conductive inorganicâ€“organic hybrid membranes prepared from 3-aminopropyltriethoxysilane and phosphoric acid by the solâ€“gel method. Solid State Ionics, 2008, 179, 1151-1154.	1.3	17

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145	Octahedral and trigonal-prismatic coordination preferences in Nb-, Mo-, Ta-, and W-based ABX2 layered oxides, oxynitrides, and nitrides. Journal of Solid State Chemistry, 2015, 229, 272-277.	1.4	17
146	Two-Dimensional Hybrid Halide Perovskite as Electrode Materials for All-Solid-State Lithium Secondary Batteries Based on Sulfide Solid Electrolytes. ACS Applied Energy Materials, 2019, 2, 6569-6576.	2.5	17
147	Third harmonic generation fromMOxâ€PbOâ€GaO1.5ternary glasses. Applied Physics Letters, 1992, 60, 2060-2061.	1.5	16
148	Preparation of Organic-Inorganic Hybrid Coating Films from Vinyltriethoxysilane-Tetraethoxysilane by the Sol-Gel Method. Journal of the Ceramic Society of Japan, 1997, 105, 555-558.	1.3	16
149	Water and Oxygen Permeability of Silica Thin Films Containing Organic Polymers Coated on Poly(Ethylene Terephtalate) Substrate by the Sol-Gel Method.. Journal of the Ceramic Society of Japan, 1999, 107, 293-296.	1.3	16
150	Inorganicâ€“organic hybrid films using epoxycyclohexylethyltrimethoxysilane and orthophosphoric acid for PEFC operated at medium temperatures. Solid State Ionics, 2005, 176, 2997-2999.	1.3	16
151	Explosive Reaction for Barium Niobium Perovskite Oxynitride. Inorganic Chemistry, 2018, 57, 24-27.	1.9	16
152	Preparation and Dielectric Properties of YMnO3 Ferroelectric Thin Films by the Sol-Gel Method. Journal of Sol-Gel Science and Technology, 1998, 13, 903-908.	1.1	15
153	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 431-434.	1.1	15
154	Micropatterning of SnO2 thin films using hydrophobicâ€“hydrophilic patterned surface. Ceramics International, 2004, 30, 1815-1817.	2.3	15
155	Influence of copolymerization with alkyltrialkoxysilanes on condensation and thermal behaviour of poly(phenylsilsesquioxane) particles. Journal of Sol-Gel Science and Technology, 2010, 53, 31-37.	1.1	15
156	Characterization of solid electrolytes prepared from ionic glass and ionic liquid for all-solid-state lithium batteries. Solid State Ionics, 2011, 192, 126-129.	1.3	15
157	Structural Change Accompanying Crystallization in the Lithium Ion Conductive Li2S-SiS2-Li3PO4 Oxysulfide Glasses.. Journal of the Ceramic Society of Japan, 1999, 107, 510-516.	1.3	14
158	Micropatterning of Sol-Gel Derived Thin Films Using Hydrophobic-Hydrophilic Patterned Surface. Journal of Sol-Gel Science and Technology, 2004, 31, 299-302.	1.1	14
159	Structural change and proton conductivity of phosphosilicate gelâ€“polyimide composite membrane for a fuel cell operated at 180 Â°C. Journal of Membrane Science, 2008, 324, 188-191.	4.1	14
160	Electrochemical oxygen separation using hydroxide ion conductive layered double hydroxides. Solid State Ionics, 2014, 262, 238-240.	1.3	14
161	Crystal Structure and Superconductivity of Tetragonal and Monoclinic Ce_{1â€“x}Pr_xOBiS₂. Inorganic Chemistry, 2018, 57, 5364-5370.	1.9	14
162	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS2 Single Crystals. Frontiers in Chemistry, 2020, 8, 44.	1.8	14

#	Article	IF	Citations
163	Effects of Phenyltriethoxysilane Concentration in Starting Solutions on Thermal Properties of Polyphenylsilsesquioxane Particles Prepared by a Two-Step Acid-Base Catalyzed Sol-Gel Process. Journal of the Ceramic Society of Japan, 2007, 115, 131-135.	1.3	13
164	Inorganicâ€“organic hybrid membranes prepared from 3-aminopropyltriethoxysilane and sulfuric acid as anhydrous proton conductors. Solid State Ionics, 2007, 178, 705-708.	1.3	13
165	Preparation of LiMn2O4 cathode thin films for thin film lithium secondary batteries by a mist CVD process. Materials Research Bulletin, 2014, 53, 196-198.	2.7	13
166	Preparation of Li₄Ti₅O₁₂ electrode thin films by a mist CVD process with aqueous precursor solution. Journal of Asian Ceramic Societies, 2015, 3, 88-91.	1.0	13
167	Development of All-solid-state Lithium Secondary Batteries Using NiPS₃ Electrode and Li₂S-P₂S₅ Solid Electrolyte. Chemistry Letters, 2016, 45, 652-654.	0.7	13
168	Synthesis and ionic conductivity of a high-entropy layered hydroxide. Journal of the Ceramic Society of Japan, 2020, 128, 336-339.	0.5	13
169	Preparation of proton conducting ionic glasses in the systems CsHSO4â€“MHSO4 (M=Na, K, Rb). Solid State Ionics, 2010, 181, 187-189.	1.3	12
170	<title>Preparation and characterization of super-water-repellent Al<formula><inf><roman>2</roman></inf></formula>O<formula><inf><roman>3</roman></inf></formula> coating films with high transparency</title>. , 1997, , .		11
171	Thermal and electrical properties of rapidly quenched Li2S-SiS2-Li2O-P2O5 oxysulfide glasses. Solid State Ionics, 1998, 113-115, 733-738.	1.3	11
172	Sintering and crystallization of La2O3-doped Al2O3 aerogels from chemically modified aluminum alkoxide. Journal of Non-Crystalline Solids, 1998, 225, 230-233.	1.5	11
173	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 589-593.	1.1	11
174	Conductivity Enhancement and Thermal Properties of AgI-MO[sub 2] (M=Zr,â€,Si) Composites Using Sol-Gel Derived Aerogels. Journal of the Electrochemical Society, 2002, 149, A773.	1.3	11
175	Mg-Al layered double hydroxide as an electrolyte membrane for aqueous ammonia fuel cell. Materials Research Bulletin, 2019, 119, 110561.	2.7	11
176	Feâ€“Pâ€“S electrodes for all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. Journal of Power Sources, 2020, 449, 227576.	4.0	11
177	Proton Conductive Inorganic-Organic Hybrid Membranes as an Electrolyte for Fuel Cells Prepared from 3-Glycidoxypropyltrimethoxysilane and Orthophosphoric Acid. Electrochemistry, 2002, 70, 998-1000.	0.6	11
178	Lowering the Crystallization Temperature of YMnO3Thin Films by the Sol-Gel Method Using an Yttrium Alkoxide. Japanese Journal of Applied Physics, 1999, 38, 5448-5451.	0.8	10
179	Proton conductivity of acid-impregnated mesoporous silica gels prepared using surfactants as a template. Solid State Ionics, 2001, 145, 135-140.	1.3	10
180	Preparation of Titania Nanosheet-Precipitated Coatings on Glass Substrates by Treating SiO2-TiO2Gel Films with Hot Water Under Vibrations. Journal of Sol-Gel Science and Technology, 2004, 31, 229-233.	1.1	10

#	Article	IF	Citations
181	Formation of convex shaped poly(phenylsilsesquioxane) micropatterns on indium tin oxide substrates with hydrophobic-hydrophilic patterns using the electrophoretic sol-gel deposition method. Journal of Materials Research, 2006, 21, 1255-1260.	1.2	10
182	Structural Difference in Superconductive and Nonsuperconductive Biâ€“S Planes within Bi4O4Bi2S4 Blocks. Inorganic Chemistry, 2015, 54, 10462-10467.	1.9	10
183	Reaction Mechanism of FePS₃ Electrodes in All-Solid-State Lithium Secondary Batteries Using Sulfide-Based Solid Electrolytes. Journal of the Electrochemical Society, 2018, 165, A2948-A2954.	1.3	10
184	Composition, valence and oxygen reduction reaction activity of Mn-based layered double hydroxides. Journal of Asian Ceramic Societies, 2019, 7, 147-153.	1.0	10
185	Synthesis of highly Li-ion conductive garnet-type solid ceramic electrolytes by solution-process-derived sintering additives. Journal of the European Ceramic Society, 2021, 41, 6767-6771.	2.8	10
186	Microstructure of Al₂O₃ Xerogels and Aerogels from Aluminum-tri-sec-Butoxide Modified with Ethylacetoacetate. Journal of the Ceramic Society of Japan, 1995, 103, 582-585.	1.3	9
187	Effect of Alkanolamines on the Microstructure and Dielectric Properties of Lead Zirconium Titanium Trioxide Thin Films Prepared from Modified Metal Alkoxides. Japanese Journal of Applied Physics, 1995, 34, L1155-L1157.	0.8	9
188	Preparation and thermal stability of La2O3â€“Al2O3 aerogels from chemically modified Al-alkoxide. Journal of Materials Chemistry, 1998, 8, 1241-1244.	6.7	9
189	Micropatterning of Inorganic-Organic Hybrid Thick Films from Vinyltriethoxysilane. Journal of the Ceramic Society of Japan, 2006, 114, 125-127.	1.3	9
190	All-solid-state electrochemical capacitors using MnO2 electrode/SiO2â€“Nafion electrolyte composite prepared by the solâ€“gel process. Journal of Power Sources, 2014, 248, 396-399.	4.0	9
191	Preparation of Proton Conductive Inorganic-Organic Hybrid Films Using Epoxycyclohexylethyltrimethoxysilane and Orthophosphoric Acid. Journal of Sol-Gel Science and Technology, 2004, 31, 365-368.	1.1	8
192	Structural Changes in RSiO3/2-TiO2 Hybrid Films with UV Irradiation and Their Photocatalytic Micropatterning. Journal of the Ceramic Society of Japan, 2005, 113, 519-524.	1.3	8
193	Characterization of Anatase Nanocrystal-Precipitated Coatings From (100 â˜’ x)SiO2Â·xTiO2 Gel Films Via The Sol-Gel Process with Boiling Hot Water Treatment. Journal of Materials Research, 2005, 20, 256-263.	1.2	8
194	Electrophoretic Deposition of Sol-Gel Derived V₂O₅ Microparticles and Its Application for Cathodes for Li-Secondary Batteries. Key Engineering Materials, 2006, 314, 107-114.	0.4	8
195	Preparation and Characterization of Methylsilsesquioxane Thin Film Containing Tris(ethylenediamine)cobalt(III) Chloride as a Photobase Generator. Chemistry of Materials, 2010, 22, 6125-6129.	3.2	8
196	Surface morphology control of thin films prepared by solution processes and its application. Journal of the Ceramic Society of Japan, 2013, 121, 819-824.	0.5	8
197	Liquid-phase step-by-step growth of an iron cyanide coordination framework on LiCoO₂ particle surfaces. Dalton Transactions, 2015, 44, 15279-15285.	1.6	8
198	Nitrogenâ€Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. Angewandte Chemie, 2016, 128, 8095-8099.	1.6	8

#	Article	IF	Citations
199	Synthesis, crystal structure and optical absorption of NaInS2-Se. Journal of Alloys and Compounds, 2018, 750, 409-413.	2.8	8
200	Synthesis of submicron-sized NiPS₃ particles and electrochemical properties as active materials in all-solid-state lithium batteries. Journal of the Ceramic Society of Japan, 2018, 126, 568-572.	0.5	8
201	An electronic structure governed by the displacement of the indium site in Inâ€“S‹sub›6‹/sub› octahedra: LnOInS‹sub›2‹/sub› (Ln = La, Ce, and Pr). Dalton Transactions, 2019, 48, 12272-12278.	1.6	8
202	Preparation of Composite Electrodes for All-Solid-State Batteries Based on Sulfide Electrolytes: An Electrochemical Point of View. Batteries, 2021, 7, 77.	2.1	8
203	Formation process of highTcsuperconducting Biâ€Pbâ€Caâ€Srâ€Cuâ€O thick films via melt solidification. Applied Physics Letters, 1990, 57, 2597-2599.	1.5	7
204	Preparation and characterization of copolymerized methylsilsesquioxane-benzylsilsesquioxane microparticles for electrophoretic sol-gel deposition. Journal of Materials Science, 2004, 39, 903-909.	1.7	7
205	All-solid-state rechargeable lithium batteries using SnX-P2X5 (X = S and O) amorphous negative electrodes. Research on Chemical Intermediates, 2006, 32, 497-506.	1.3	7
206	External-Field Hot-Water Treatments of Sol-Gel Derived SiO2-TiO2 Coatings for Surface Nanostructure Control-A Review-. Journal of the Ceramic Society of Japan, 2006, 114, 26-35.	1.3	7
207	Operation of PEFC using composite sheets composed of phosphosilicate gels and thermally stable organic polymers. Solid State Ionics, 2006, 177, 2437-2441.	1.3	7
208	Micropatterning for Vinylsilsesquioxane-Titania Hybrid Gel Films with Ultraviolet Light Irradiation. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 20, 101-105.	0.1	7
209	Structure of Polyphenylsilsesquioxane Particles Prepared by Two-Step Acid-Base Catalyzed Solâ€“Gel Process and Formation of Hollow Particles. Journal of Nanoscience and Nanotechnology, 2007, 7, 3307-3312.	0.9	7
210	Characterization of proton-conductive SiO2â€“H3PW12O40 composites prepared by mechanochemical treatment. Solid State Ionics, 2007, 178, 709-712.	1.3	7
211	Effects of Various Additives during Hot Water Treatment on the Formation of Alumina Thin Films for Superhydrophobic Surfaces. Journal of Adhesion Science and Technology, 2008, 22, 387-394.	1.4	7
212	Proton-Conductive Inorganicâ€“Organic Hybrid Membrane Prepared from 3-(2-Aminoethylaminopropyl)triethoxysilane and Sulfuric Acid by the Sol-Gel Method. Journal of the Electrochemical Society, 2009, 156, B174.	1.3	7
213	Float zone growth and spectral properties of Cr,Nd:CaYAlO4 single crystals. Journal of Crystal Growth, 2014, 404, 152-156.	0.7	7
214	Thermal stability and cutting performance of Al-rich cubic Al<i>_x</i>Ti_{1â^'}<i>_x</i>N coating prepared by low-pressure chemical vapour deposition. Journal of the Ceramic Society of Japan, 2017, 125, 913-918.	0.5	7
215	Enhanced hydroxide ion conductivity of Mgâ€“Al layered double hydroxide at low humidity by intercalating dodecyl sulfate anion. Journal of the Ceramic Society of Japan, 2019, 127, 788-792.	0.5	7
216	27Al NMR Study of Coordination States of Aluminum-tri-sec-butoxide Dissolved in Diacetone Alcohol. Chemistry Letters, 1994, 23, 1507-1510.	0.7	6

#	Article	IF	Citations
217	Preparation of CdS-doped Glasses from Gels Containing Diethyldithiocarbamatocadmium. Journal of the American Ceramic Society, 1995, 78, 1668-1672.	1.9	6
218	Title is missing!. Journal of Sol-Gel Science and Technology, 1997, 10, 301-307.	1.1	6
219	Preparation and Proton Conductivity of Surfactantâ€Templated Mesoporous Silica Gels Impregnated with Protonic Acids. Journal of the American Ceramic Society, 2000, 83, 3004-3008.	1.9	6
220	Effects of Electric Field on the Formation of Titania Nanocrystals on SiO2-TiO2 Gel Coatings during Hot Water Treatment. Journal of the Ceramic Society of Japan, 2005, 113, 333-335.	1.3	6
221	Characterization and Electrophoretic Deposition of Poly(Phenylsilsesquioxane)?Titania Hybrid Particles Prepared by the Sol?Gel Method. Journal of the American Ceramic Society, 2006, 89, 3107-3111.	1.9	6
222	Micropatterning of Transparent Poly(Benzylsilsesquioxane) Thick Films Prepared by the Electrophoretic Sol?Gel Deposition Process Using a Hydrophobic?Hydrophilic-Patterned Surface. Journal of the American Ceramic Society, 2006, 89, 3832-3835.	1.9	6
223	Direct Formation of Zn-Al Layered Double Hydroxide Thin Films Intercalated with Various Organic Anions through the Sol-Gel Method with Hot Water Treatment. Solid State Phenomena, 2007, 124-126, 635-638.	0.3	6
224	Glass transition and thermal softening of poly(phenylsilsesquioxane) particles prepared using two-step acidâ€“base catalyzed solâ€“gel process. Journal of Non-Crystalline Solids, 2008, 354, 700-704.	1.5	6
225	Formation of Znâ€“Al layered double hydroxide thin films intercalated with sulfonated spiropyran. Research on Chemical Intermediates, 2009, 35, 949-956.	1.3	6
226	Electrochemical performance of all-solid-state lithium secondary batteries using Li4Ti5O12 electrode and Li2Sâ€“P2S5 solid electrolytes. Journal of Materials Research, 2010, 25, 1548-1553.	1.2	6
227	All-Solid-State Electric Double-Layer Capacitor Using Ion Conductive Inorganicâ€“Organic Hybrid Membrane Based on 3-Glycidoxypropyltrimethoxysilane. Electrochemical and Solid-State Letters, 2010, 13, A52.	2.2	6
228	Cycle Performance of All-solid-state In/LiCoO₂ Batteries with Li₂S-P₂S₅ Glass-ceramic Electrolytes. Electrochemistry, 2003, 71, 1196-1200.	0.6	5
229	Preparation and Characterization of Polyaminophenylsilsesquioxane Particles by Two-step Acidâ€“Base-catalyzed Solâ€“Gel Process. Chemistry Letters, 2007, 36, 324-325.	0.7	5
230	Fabrication of convex-shaped polybenzylsilsesquioxane micropatterns by the electrophoretic solâ€“gel deposition process using indium tin oxide substrates with a hydrophobic-hydrophilic-patterned surface. Journal of Sol-Gel Science and Technology, 2007, 43, 85-91.	1.1	5
231	Synthesis of monodispersed lithium silicate particles using the solâ€“gel method. Journal of Sol-Gel Science and Technology, 2013, 65, 41-45.	1.1	5
232	Development of Alkaline Fuel Cells Using Hydroxide-Ion Conductive Layered Double Hydroxides. ECS Transactions, 2015, 69, 385-389.	0.3	5
233	Growth and transport properties under high pressure of PrOBiS2 single crystals. Solid State Communications, 2019, 296, 17-20.	0.9	5
234	Fabrication of Mg-Al Layered Double Hydroxide Thin Membrane for All-Solid-State Alkaline Fuel Cell Using Glass Paper as a Support. Frontiers in Materials, 2020, 7, .	1.2	5

#	Article	IF	Citations
235	Soft X-ray XAFS: local structure of mullite gels prepared from modified aluminium alkoxides. Journal of Non-Crystalline Solids, 1994, 177, 187-192.	1.5	4
236	Micropatterning of Phenylsilsesquioxane Thick Films by the Electrophoretic Sol-Gel Deposition Process Using ITO Substrates with a Hydrophobic-Hydrophilic Patterned Surface. Key Engineering Materials, 2006, 314, 159-166.	0.4	4
237	Thin Film Electrode Materials Li4Ti5O12and LiCoO2Prepared by Spray Pyrolysis Method. IOP Conference Series: Materials Science and Engineering, 2011, 18, 122004.	0.3	4
238	Synthetic control of cage/network ratio of poly(methylsilsesquioxane)s for storage stability, hardness, and weather resistance of coating films. Journal of Polymer Science Part A, 2013, 51, 653-663.	2.5	4
239	Catalytic Activity for Oxygen Reduction Reaction of Ni-Mn-Fe Layered Double Hydroxide-Carbon Gel Composite. Chemistry Letters, 2019, 48, 696-699.	0.7	4
240	Kinetic Control of the Li_{0.9}Mn_{1.6}Ni_{0.4}O₄ Spinel Structure with Enhanced Electrochemical Performance. ACS Applied Materials & Interfaces, 2021, 13, 14056-14067.	4.0	4
241	Combustion Reactions between Transition-Metal Chlorides and Sodium Amide and Their Ignition Temperature. Inorganic Chemistry, 2021, 60, 12753-12758.	1.9	4
242	Argyrodite solid electrolyte-coated graphite as anode material for all-solid-state batteries. Journal of Sol-Gel Science and Technology, 2022, 101, 8-15.	1.1	4
243	Graphite/Li7P3S11 composite prepared by â€œseedâ€•process for all-solid-state batteries. Solid State Ionics, 2021, 372, 115789.	1.3	4
244	Preparation of transparent and mechanically hard inorganic-organic hybrid thick films from 3-glycidoxypropyltrimethoxysilane and zirconium propoxide. Journal of Sol-Gel Science and Technology, 2022, 104, 478-483.	1.1	4
245	Origin of Leakage Current of YMnO3 Thin Films Prepared by the Sol-Gel Method. Materials Research Society Symposia Proceedings, 1999, 596, 481.	0.1	3
246	Preparation of Znâ€“Al layered double hydroxide thin films intercalated with Eosin Y by hot water treatment of sol-gel derived precursor films. Journal of Sol-Gel Science and Technology, 2016, 79, 303-307.	1.1	3
247	Electrical properties of pyrochlore-type silver tantalate and fluorite-type silver niobate. Journal of the Ceramic Society of Japan, 2020, 128, 46-50.	0.5	3
248	Two-step liquid-phase synthesis of argyrodite Li6PS5Cl solid electrolyte using nonionic surfactant. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2023, 62, 187-193.	0.9	3
249	Titania Nanocrystals-Dispersed Coatings from SiO₂-TiO₂ Gel Films through Hydrolysis and Dissolution. Key Engineering Materials, 2006, 317-318, 565-568.	0.4	2
250	Preparation of needle-like .ALPHA.-Fe2O3 particles and influences of their morphology on the electrochemical behavior in all-solid-state lithium batteries. Journal of the Ceramic Society of Japan, 2010, 118, 326-328.	0.5	2
251	Substituent effects on the glass transition phenomena of polyorganosilsesquioxane particles prepared by two-step acid-base catalyzed sol-gel process. Journal of the Ceramic Society of Japan, 2011, 119, 173-179.	0.5	2
252	Effect of the addition of hydrated titanium oxide on proton conductivity for aromatic polymer electrolyte membrane. Solid State Ionics, 2015, 277, 72-76.	1.3	2

#	Article	IF	Citations
253	Synthesis of LaO_{0.5}F_{0.5}BiS₂ nanosheets by ultrasonification. Journal of Asian Ceramic Societies, 2017, 5, 183-185.	1.0	2
254	Synthesis of Bi₂(O,F)S₂ superconductors by NaF treatment. Journal of the Ceramic Society of Japan, 2018, 126, 591-593.	0.5	2
255	Sol-Gel Processing of Solid Electrolytes for Li-Ion Batteries. , 2018, , 2631-2648.		2
256	Fast dischargeâ€“charge properties of FePS3 electrode for all-solid-state batteries using sulfide electrolytes and its stable diffusion path. Functional Materials Letters, 2021, 14, 2141005.	0.7	2
257	Precursor Structure of Chemically Modified Aluminum-tri-sec-Butoxide in Diethylene Glycol and Ethylene Glycol Monoethyl Ether.. Journal of the Ceramic Society of Japan, 2000, 108, 420-423.	1.3	1
258	<title>Structural changes during thermally induced polymerization of ormosil films from trimethoxysilylpropylmethacrylate and zirconium-n-propoxide modified with methacrylic acid</title>. , 2000, , .		1
259	Characterization of ramiform precipitates formed on SiO2â€“TiO2 gel coatings by electric field hot water treatment. Journal of Non-Crystalline Solids, 2008, 354, 1263-1266.	1.5	1
260	Preparation and scintillation properties of translucent LiCaBO 3 :Ce polycrystalline plates. Optical Materials, 2017, 70, 180-183.	1.7	1
261	Float zone growth and spectroscopic properties of Yb:CaYAlO4 single crystal for ultra-short pulse lasers. Optical Materials, 2018, 80, 57-61.	1.7	1
262	Wet Chemical Processes for the Preparation of Composite Electrodes in All-Solid-State Lithium Battery. , 2021, , 85-92.		1
263	Hydroxide ion Conduction Mechanism in Mg-Al CO32âˆ’ Layered Double Hydroxide. Journal of Electrochemical Science and Technology, 2021, 12, 230-236.	0.9	1
264	Phase transition, magnetic, and electronic properties of CeOInS₂. Journal of the Ceramic Society of Japan, 2021, 129, 249-253.	0.5	1
265	Solâ€“Gel Processing of Solid Electrolytes for Li-ion Batteries. , 2016, , 1-18.		1
266	ä¸æ¸©ä½œå‹•ãƒ—ãƒãƒˆãƒ³ä¼å°Žæ€§éžæ™¶è³ªé›»è§£è³ª. Electrochemistry, 2005, 73, 833-836.	0.6	1
267	Micropatterning of Phenylsilsesquioxane Thick Films by the Electrophoretic Sol-Gel Deposition Process Using ITO Substrates with a Hydrophobic-Hydrophilic Patterned Surface. Key Engineering Materials, 0, , 159-166.	0.4	1
268	Optimization of the melt-solidification process for Bi1.6Pb0.4Ca2Sr2Cu3Ox high-Tc superconductor thick films. Materials Chemistry and Physics, 1993, 34, 162-165.	2.0	0
269	Preparation and optical properties of CdS microcrystallite-doped glasses from silica gels containing dithiocarbamatocadmium complex. , 1994, , .		0
270	All Solid-State Lithium Secondary Batteries Using High Lithium Ion Conducting Li2Sâ€"P2S5 Glass-Ceramics.. ChemInform, 2003, 34, no.	0.1	0

#	Article	IF	Citations
271	æ°´é…¸åŒ–ç‰©ã‚ã‚ªãƒ³ä¼å°Žæ€§ç„¡æ©Ÿå›ºä½“æ˜–™ã®å‰µè£½. Electrochemistry, 2011, 79, 630-633.	0.6	0
272	Macroporous Carbon Monoliths with Large Surface Area for Electric Double-Layer Capacitor. Materials Research Society Symposia Proceedings, 2011, 1304, 1.	0.1	0
273	Novel inorganic materials for polymer electrolyte and alkaline fuel cells. , 2012, , .		0
274	Prediction of Ternary Liquidus Temperatures by Statistical Modeling of Binary and Ternary Agâ€"Alâ€"Snâ€"Zn Systems. ACS Omega, 2017, 2, 5271-5282.	1.6	0
275	UV and E-Beam Direct Patterning of Photosensitive CSD Films. , 2013, , 483-515.		0
276	Measurements of Gas Adsorption and Permeability of Solâ€"Gel Materials. , 2016, , 1-13.		0
277	Measurements of Gas Adsorption and Permeability of Sol-Gel Materials. , 2018, , 1411-1423.		0
278	Microwave Fusion of the Composite LiMn1.6Ni0.4O4-LiFePO4 /C to Improve the Stability of Spinel Phase. ECS Meeting Abstracts, 2020, MA2020-01, 398-398.	0.0	0
279	Preparation of Cu3N thin films by nitridation of solution process-derived thin films using urea. Journal of Sol-Gel Science and Technology, 0, , 1.	1.1	0
280	Li2s-P2S5 Solutions for Forming Solid Electrolyte Coating Layers on Electrode Materials for All-Solid-State Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 136-136.	0.0	0
281	Liquid-phase Synthesis of Sulfide Electrolytes and Synthesis Mechanism. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, 95-98.	0.1	0
282	Effects Of Various Additives During Hot Water Treatment On The Formation Of Alumina Thin Films For Superhydrophobic Surfaces. , 0, , 327-334.		0
283	Sulfide-Based Solid-State Electrolytes. ACS Symposium Series, 0, , 319-351.	0.5	0