

Takayuki Komatsu

List of Publications by Year in descending order

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papers

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66343

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of highly dispersed tin nanoparticles in amorphous silicates for sodium ion battery anode. Journal of Physics and Chemistry of Solids, 2022, 161, 110377.	4.0	7
2	Structural role of Nb ₂ O ₅ in glass-forming ability, electronic polarizability and nanocrystallization in glasses: A review. Journal of Non-Crystalline Solids, 2022, 581, 121414.	3.1	25
3	Nanoscale composition fluctuations and crystallization process: Case study in Li ₂ O–SiO ₂ -based glasses. International Journal of Applied Glass Science, 2022, 13, 591-609.	2.0	5
4	Stress-induced crystal axis spiral rotation in multiferroic $\text{Pb}(\text{Gd}_2(\text{MoO}_4)_3)_3$ observed only in glass crystallization. International Journal of Applied Glass Science, 2021, 12, 46-64.	2.0	4
5	Electronic polarizability in silicate glasses by comparison of experimental and theoretical optical basicities. International Journal of Applied Glass Science, 2021, 12, 424-442.	2.0	12
6	Enhanced thermal stability and crystallization of nonlinear optical RE ₂ Bi ₂ -xZnB ₂ O ₇ in RE ₂ O ₃ -added bismuth zinc borate glasses (RE: Eu, Gd, Er). Journal of Non-Crystalline Solids, 2021, 559, 120684.	3.1	3
7	Synthesis and Na ⁺ Ion Conductivity of Stoichiometric Na ₃ Zr ₂ Si ₂ PO ₁₂ by Liquid-Phase Sintering with NaPO ₃ Glass. Materials, 2021, 14, 3790.	2.9	23
8	Vitrification of maricite NaFePO ₄ crystal by laser irradiation and enhanced sodium ion battery performance. Journal of Alloys and Compounds, 2021, 885, 160928.	5.5	10
9	Phase selective crystallization of Na ₂ Mn _{0.9} Fe _{0.1} P ₂ O ₇ glass by laser irradiation. International Journal of Applied Glass Science, 2020, 11, 112-119.	2.0	7
10	Features of electronic polarizability and approach to unique properties in tellurite glasses. International Journal of Applied Glass Science, 2020, 11, 253-271.	2.0	18
11	A review: A new insight for electronic polarizability and chemical bond strength in Bi ₂ O ₃ -based glasses. Journal of Non-Crystalline Solids, 2020, 550, 120365.	3.1	17
12	Laser-induced modification and external pressureless joining Na ₂ FeP ₂ O ₇ on solid electrolyte. International Journal of Ceramic Engineering & Science, 2020, 2, 332-341.	1.2	7
13	Structural origin of high-density Gd ₂ O ₃ –MoO ₃ –B ₂ O ₃ glass and low-density Pb^{2+} -Gd ₂ (MoO ₄) ₃ crystal: a study conducted using high-energy x-ray diffraction and EXAFS at high temperatures. Journal of Physics Condensed Matter, 2020, 32, 055705.	1.8	4
14	Enhanced rate capabilities in a glass-ceramic-derived sodium all-solid-state battery. Scientific Reports, 2020, 10, 9453.	3.3	41
15	Crystallization of the Na ₂ FexNi _{1-x} P ₂ O ₇ Glass and Ability of Cathode for Sodium-Ion Batteries. Frontiers in Materials, 2020, 7, .	2.4	14
16	Crystallization data-driven proposal on distribution model of composition fluctuations in structure of oxide glasses. Journal of Solid State Chemistry, 2020, 288, 121379.	2.9	13
17	Pressureless all-solid-state sodium-ion battery consisting of sodium iron pyrophosphate glass-ceramic cathode and Pb^{2+} -alumina solid electrolyte composite. Journal of the American Ceramic Society, 2019, 102, 6658-6667.	3.8	39
18	Laser patterning and growth mechanism of orientation designed crystals in oxide glasses: A review. Journal of Solid State Chemistry, 2019, 275, 210-222.	2.9	39

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19	Surface crystallization and gas bubble formation during conventional heat treatment in Na ₂ MnP ₂ O ₇ glass. Journal of Non-Crystalline Solids, 2019, 510, 36-41.	3.1	6
20	Crystallization behavior of $\text{Gd}_2(\text{MoO}_4)_3$ and $\text{Gd}_4\text{Mo}_7\text{O}_{27}$ in composition designed $\text{Gd}_2\text{O}_3\text{-MoO}_3\text{-B}_2\text{O}_3$ glasses. Journal of Non-Crystalline Solids, 2018, 498, 437-442.	3.1	4
21	Updated definition of glass-ceramics. Journal of Non-Crystalline Solids, 2018, 501, 3-10.	3.1	248
22	Crystallization behavior and electrochemical properties of Na ₂ FeyMn _{1-y} P ₂ O ₇ glass. Journal of Non-Crystalline Solids, 2018, 501, 153-158.	3.1	14
23	Correlation between thermal expansion coefficient and interionic interaction parameter in Zn _{0.2} Bi _{0.2} O ₃ glasses. Journal of the Ceramic Society of Japan, 2018, 126, 8-15.		16
24	Simultaneous surface and bulk crystallization of Bi _{1.5} ZnNb _{1.5} O ₇ type pyrochlores and related crystals in glasses. International Journal of Applied Glass Science, 2018, 9, 296-304.	2.0	4
25	Control of self-powdering phenomenon in ferroelastic $\text{Gd}_2(\text{MoO}_4)_3$ crystallization in boro-tellurite glasses. Journal of Non-Crystalline Solids, 2018, 501, 85-92.	3.1	4
26	Photoluminescence features of new Eu ³⁺ -doped Gd ₄ Mo ₇ O ₂₇ phosphors synthesized using glass crystallization technique. Journal of Asian Ceramic Societies, 2018, 6, 314-321.	2.3	6
27	Formation of bismuth metal in bismuth borate glass by reductive heat treatment and its electrochemical property as anode in lithium ion battery. Journal of the Ceramic Society of Japan, 2018, 126, 820-825.	1.1	13
28	Surface crystallization tendency of Na ₂ FeP ₂ O ₇ glass. Journal of the Ceramic Society of Japan, 2018, 126, 563-567.	1.1	11
29	Formation of transparent glass-ceramics including thermodynamically metastable cubic phase in Na ₂ Mn _{0.5} Fe _{0.5} SiO ₄ glass. Journal of the Ceramic Society of Japan, 2018, 126, 421-423.		2
30	Laser patterning of oriented LiNbO ₃ crystal particle arrays in NiO-doped lithium niobium silicate glasses. International Journal of Applied Glass Science, 2018, 9, 518-529.	2.0	22
31	Nano-crystallization and highly oriented crystal line patterning of Sm ³⁺ -doped Bi ₂ GeO ₅ and Bi ₄ Ge ₃ O ₁₂ in bismuth germanate-based glasses. Journal of Non-Crystalline Solids, 2017, 459, 116-122.	3.1	12
32	Unique crystallization behavior of sodium manganese pyrophosphate Na ₂ MnP ₂ O ₇ glass and its electrochemical properties. Journal of Asian Ceramic Societies, 2017, 5, 209-215.	2.3	19
33	Formation of nonlinear optical Na ₂ TeW ₂ O ₉ crystals and laser irradiation in tungsten-tellurite glasses. Journal of Asian Ceramic Societies, 2017, 5, 489-493.	2.3	5
34	Nucleation and Crystal Growth in Laser-Patterned Lines in Glasses. Frontiers in Materials, 2016, 3, .	2.4	14
35	Group optical basicity of sodium borate and sodium silicate glasses. Journal of Commonwealth Law and Legal Education, 2016, 57, 285-290.	0.5	1
36	Dielectric properties of glass-ceramics with Ba _{1-x} Y _{2x/3} Nb ₂ O ₆ nanocrystals and laser patterning of highly oriented crystal lines. Journal of Non-Crystalline Solids, 2016, 452, 74-81.	3.1	7

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37	Cathode properties of sodium iron phosphate glass for sodium ion batteries. Journal of Non-Crystalline Solids, 2016, 450, 109-115.	3.1	45
38	Unique thermal conductivity, Young's modulus and local structure of $72\text{SnO} \cdot 28\text{P} \cdot 2\text{O} \cdot 5\text{O}$ glass. Journal of the Ceramic Society of Japan, 2016, 124, 606-612.	1.1	8
39	Long afterglow in hexagonal $\text{SrAl}_2\text{O}_4\text{:Eu}^{2+}, \text{Dy}^{3+}$ synthesized by crystallization of glass and solidification of supercooled melts. Journal of Luminescence, 2016, 177, 286-289.	3.1	15
40	Electrochemical performance as cathode of lithium iron silicate, borate and phosphate glasses with different Fe^{2+} fractions. Journal of Non-Crystalline Solids, 2016, 436, 51-57.	3.1	13
41	Electrochemical performance of composites of spinel-type $\text{LiFe}^{1+} \text{Mn}_x\text{SiO}_4$ nanocrystals and glassy phase synthesized by quenching of melts. Journal of the Ceramic Society of Japan, 2015, 123, 26-32.	1.1	5
42	TEM analysis for crystal structure of metastable BiBO_3 (II) phase formed in glass by laser-induced crystallization. Journal of the European Ceramic Society, 2015, 35, 2541-2546.	5.7	15
43	Laser Patterning of Non-Linear Optical $\text{Bi}_2\text{ZnB}_2\text{O}_7$ Crystal Lines in Glass. Frontiers in Materials, 2015, 2, .	2.4	9
44	Self-organized homo-epitaxial growth in nonlinear optical $\text{BaAlBO}_3\text{F}_2$ crystal crossing lines patterned by laser in glass. Optical Materials, 2015, 49, 182-189.	3.6	11
45	Design and control of crystallization in oxide glasses. Journal of Non-Crystalline Solids, 2015, 428, 156-175.	3.1	118
46	Structure of $\text{MoO}_3 \cdot \text{WO}_3 \cdot \text{La}_2\text{O}_3 \cdot \text{B}_2\text{O}_3$ glasses and crystallization of $\text{LaMo}_x\text{W}_x\text{BO}_6$ solid solutions. Journal of Non-Crystalline Solids, 2015, 429, 171-177.	3.1	17
47	Morphology and orientation of BaB_2O_4 crystals patterned by laser in the inside of samarium barium borate glass. Journal of Solid State Chemistry, 2015, 221, 145-151.	2.9	20
48	Electrical conductivity of $\text{Na}_2\text{O} \cdot \text{Nb}_2\text{O}_5 \cdot \text{P}_2\text{O}_5$ glass and fabrication of glass-ceramic composites with NASICON type $\text{Na}_3\text{Zr}_2\text{Si}_2\text{PO}_{12}$. Solid State Ionics, 2015, 269, 19-23.	2.7	53
49	Effects of WO_3 substitution on crystallization behavior and laser patterning in $\text{Gd}_2\text{O}_3 \cdot \text{MoO}_3 \cdot \text{B}_2\text{O}_3$ glasses. Journal of Non-Crystalline Solids, 2014, 383, 86-90.	3.1	11
50	Unique crystal growth with crystal axis rotation in multi-ferroic $\text{Sm}_2(\text{MoO}_4)_3$ narrow lines patterned by lasers in glass. Journal of Physics and Chemistry of Solids, 2014, 75, 954-958.	4.0	15
51	Electronic polarizability and interaction parameter of gadolinium tungsten borate glasses with high WO_3 content. Journal of Solid State Chemistry, 2014, 220, 191-197.	2.9	25
52	Formation Behavior and High Electrical Conductivity of Metastable Lithium Iron Silicate Crystals in Rapid Quenching of $\text{Li}_2\text{O} \cdot \text{Fe}_2\text{O}_3 \cdot \text{O}$ Melts. Journal of the American Ceramic Society, 2014, 97, 835-842.	3.8	9
53	Synthesis and photocatalytic properties of ZnWO_4 nanocrystals in tungsten zinc borate glasses. Journal of Asian Ceramic Societies, 2014, 2, 253-257.	2.3	17
54	Crystallization behavior of sodium iron phosphate glass $\text{Na}_2\text{Fe}_{1+0.5}\text{P}_2\text{O}_7$ for sodium ion batteries. Journal of Non-Crystalline Solids, 2014, 404, 26-31.	3.1	53

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55	Synthesis and morphology of metal Sn particles in SnO ₂ -P ₂ O ₅ glasses and their battery anode performance. Journal of Non-Crystalline Solids, 2014, 402, 153-159.	3.1	25
56	Self-powdering phenomenon of $\text{RE}_2(\text{MoO}_4)_3$ formed in crystallization of glasses and its mechanism (RE: Gd, Sm, Dy). Journal of the Ceramic Society of Japan, 2014, 122, 777-783.	1.1	7
57	Optical Active Nano-Glass-Ceramics. International Journal of Applied Glass Science, 2013, 4, 125-135.	2.0	44
58	Coexistence of nano-scale phase separation and micro-scale surface crystallization in Gd ₂ O ₃ -WO ₃ -B ₂ O ₃ glasses. Journal of Non-Crystalline Solids, 2013, 381, 17-22.	3.1	14
59	Tin-phosphate glass anode for sodium ion batteries. APL Materials, 2013, 1, .	5.1	31
60	Birefringence imaging and orientation of laser patterned BaB_2O_4 crystals with bending and curved shapes in glass. Journal of Solid State Chemistry, 2013, 207, 6-12.	2.9	27
61	Triclinic Na ⁺ /Fe ¹⁺ /2P ₂ O ₇ /C glass-ceramics with high current density performance for sodium ion battery. Journal of Power Sources, 2013, 227, 31-34.	7.8	53
62	Laser patterning and characterization of optical active crystals in glasses. Journal of Asian Ceramic Societies, 2013, 1, 9-16.	2.3	42
63	Optical basicity and chemical bonding of Bi ₂ O ₃ containing glasses. Journal of Non-Crystalline Solids, 2013, 382, 18-23.	3.1	33
64	Crystallization and photoluminescence properties of $\text{RE}_2(\text{WO}_4)_3$ (RE: Gd, Eu) in rare-earth tungsten borate glasses. Optical Materials, 2013, 35, 998-1003.	3.6	12
65	Morphology and photoluminescence properties of Er ³⁺ -doped CaF ₂ nanocrystals patterned by laser irradiation in oxyfluoride glasses. Journal of Fluorine Chemistry, 2013, 145, 81-87.	1.7	28
66	Direct Laser Patterning of BaB_2O_4 Crystals with High Orientation in the Inside of Glass Fiber. Journal of the American Ceramic Society, 2013, 96, 1339-1341.	3.8	10
67	Performance of Lithium-Ion Battery with Tin-Phosphate Glass Anode and Its Characteristics. Journal of the Electrochemical Society, 2013, 160, A1725-A1730.	2.9	51
68	Magnetism of $\text{Gd}_2(\text{MoO}_4)_3$ and photoluminescence of $\text{Eu}_2(\text{MoO}_4)_3$ crystallized in rare-earth molybdenum borate glasses. Journal of the Ceramic Society of Japan, 2013, 121, 230-235.	1.1	20
69	Effect of AlN addition on spatial uniform distribution of Er ³⁺ -doped CaF ₂ nanocrystals in oxyfluoride glass-ceramics. Journal of the Ceramic Society of Japan, 2013, 121, 457-459.	1.1	6
70	Characterization of BaTiO ₃ crystals formed in aluminosilicate glasses and their laser patterning. Journal of the Ceramic Society of Japan, 2013, 121, 583-588.	1.1	5
71	Formation mechanism of LiFePO ₄ in crystallization of lithium iron phosphate glass particles. Journal of the Ceramic Society of Japan, 2012, 120, 193-198.	1.1	14
72	Fabrication of Na ₂ FeP ₂ O ₇ glass-ceramics for sodium ion battery. Journal of the Ceramic Society of Japan, 2012, 120, 344-346.	1.1	88

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73	Spinel-type crystals based on LiFeSiO ₄ with high electrical conductivity for lithium ion battery formed by melt-quenching method. Journal of the Ceramic Society of Japan, 2012, 120, 93-97.	1.1	10
74	Synthesis and morphology of Ba ¹⁺ RE ₂ /3Nb ₂ O ₆ nanocrystals with tungsten bronze structure in RE ₂ O ₃ -BaO-Nb ₂ O ₅ -B ₂ O ₃ glasses (RE: Sm, Eu, Gd, Dy, Er). Journal of Solid State Chemistry, 2012, 196, 384-390.	2.9	17
75	Correlation among electronegativity, cation polarizability, optical basicity and single bond strength of simple oxides. Journal of Solid State Chemistry, 2012, 196, 574-578.	2.9	84
76	Effect of Al ₂ O ₃ addition on the formation of perovskite-type NaNbO ₃ nanocrystals in silicate-based glasses. Journal of Non-Crystalline Solids, 2012, 358, 1523-1529.	3.1	10
77	Morphology and dispersion state of Ba ₂ TiSi ₂ O ₈ nanocrystals in transparent glass-ceramics and their nanoindentation behavior. Journal of Non-Crystalline Solids, 2012, 358, 1863-1869.	3.1	22
78	Synthesis and laser patterning of ferroelastic λ^2 -RE ₂ (MoO ₄) ₃ crystals (RE: Sm, Gd, Tb, Dy) in rare-earth molybdenum borate glasses. Materials Chemistry and Physics, 2012, 133, 118-125.	4.0	17
79	Fluorine deficient layer at the surface of transparent glass-ceramics with CaF ₂ nanocrystals. Journal of Physics and Chemistry of Solids, 2012, 73, 683-687.	4.0	19
80	Fabrication of Eu:SrAl ₂ O ₄ -based glass ceramics using Frozen sorbet method. Journal of the Ceramic Society of Japan, 2011, 119, 609-615.	1.1	45
81	Crystallization Behavior of Lithium Iron Phosphate Glass Powders in Different Atmospheres. Journal of the American Ceramic Society, 2011, 94, 2890-2895.	3.8	9
82	A fast synthesis of Li ₃ V ₂ (PO ₄) ₃ crystals via glass-ceramic processing and their battery performance. Journal of Power Sources, 2011, 196, 9618-9624.	7.8	37
83	Laser patterning and morphology of two-dimensional planar ferroelastic rare-earth molybdate crystals on the glass surface. Materials Chemistry and Physics, 2011, 125, 377-381.	4.0	22
84	Elastic properties and Vickers hardness of optically transparent glass-ceramics with fresnoite Ba ₂ TiSi ₂ O ₈ nanocrystals. Materials Research Bulletin, 2011, 46, 922-928.	5.2	27
85	Fabrication of (K, Na)NbO ₃ glass-ceramics and crystal line patterning on glass surface. Optical Materials, 2011, 33, 1203-1209.	3.6	16
86	Preferential growth orientation of laser-patterned LiNbO ₃ crystals in lithium niobium silicate glass. Journal of Solid State Chemistry, 2011, 184, 411-418.	2.9	47
87	Formation and laser patterning of perovskite-type KNbO ₃ crystals in aluminoborate glasses. Optical Materials, 2011, 33, 267-274.	3.6	20
88	Synthesis and laser patterning of Bi-doped Y ₃ Fe ₅ O ₁₂ crystals in germanosilicate glasses. Journal of Physics and Chemistry of Solids, 2010, 71, 906-912.	4.0	3
89	Approach to thermal properties and electronic polarizability from average single bond strength in ZnO-Bi ₂ O ₃ -B ₂ O ₃ glasses. Journal of Solid State Chemistry, 2010, 183, 3078-3085.	2.9	74
90	Synthesis and Li ⁺ ion conductivity of Li ₂ O-Nb ₂ O ₅ -P ₂ O ₅ glasses and glass-ceramics. Materials Research Bulletin, 2010, 45, 1443-1448.	5.2	27

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91	Laser patterning and enhanced red photoluminescence of Er ³⁺ /Yb ³⁺ co-doped CaF ₂ crystal dots and lines in oxyfluoride glasses. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 171, 25-30.	3.5	14
92	Two-dimensional Raman imaging for periodic domain structures in laser-patterned ferroelastic Er^{2+} -(Sm,Gd) ₂ (MoO ₄) ₃ crystal lines in glass. <i>Optical Materials</i> , 2010, 32, 443-447.	3.6	19
93	Origin of periodic domain structure in Er ³⁺ -doped Er^{2+} -(Sm,Gd) ₂ (MoO ₄) ₃ crystal lines patterned by laser irradiations in glasses. <i>Journal of Solid State Chemistry</i> , 2010, 183, 909-914.	2.9	26
94	Fabrication of olivine-type LiMn Fe _{1-x} PO ₄ crystals via the glass-ceramic route and their lithium ion battery performance. <i>Ceramics International</i> , 2010, 36, 1137-1141.	4.8	42
95	Laser Patterning of ZnO Crystals on the Surface of Borosilicate Glass. <i>Journal of the American Ceramic Society</i> , 2010, 93, 658-661.	3.8	13
96	Thermo-Optic Properties and Electronic Polarizability in Alkali Tellurite Glasses. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3223-3229.	3.8	26
97	Patterning of two-dimensional planar lithium niobate architectures on glass surface by laser scanning. <i>Optics Express</i> , 2010, 18, 8019.	3.4	43
98	Electronic polarizability and its temperature dependence of Bi ₂ O ₃ -B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2310-2314.	3.1	22
99	Fabrication of LiFePO ₄ /carbon composites by glass powder crystallization processing and their battery performance. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 3032-3036.	3.1	27
100	Temperature dependence of refractive index and electronic polarizability of KNbGeO ₅ glass and its nanocrystallized glasses. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	12
101	Self-organized periodic domain structure for second harmonic generations in ferroelastic Er^{2+} -(Sm,Gd) ₂ (MoO ₄) ₃ crystal lines on glass surfaces. <i>Applied Physics Letters</i> , 2009, 94, 041915.	3.3	10
102	Formation and its mechanism of copper metal layers at surface by annealing in reduced atmosphere in CuO-Li ₂ O-Nb ₂ O ₅ -SiO ₂ glass. <i>Solid State Ionics</i> , 2009, 180, 1457-1462.	2.7	10
103	Synthesis and characterization of rare-earth doped SrBi ₂ Nb ₂ O ₉ phase in lithium borate based nanocrystallized glasses. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1538-1544.	2.9	7
104	Two-Dimensional Mapping of Er ³⁺ Photoluminescence in CaF ₂ Crystal Lines Patterned by Lasers in Oxyfluoride Glass. <i>Journal of the American Ceramic Society</i> , 2009, 92, 825-829.	3.8	28
105	Synthesis, Ferroelectric and Electrooptic Properties of Transparent Crystallized Glasses with Sr _x Ba _{1-x} Nb ₂ O ₆ Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2924-2930.	3.8	39
106	Laser patterning and magnetic properties of perovskite-type $\text{La}_{0.7}\text{Sr}_{0.3}\text{TiO}_n$. <i>Solid State Communications</i> , 2009, 149, 1795-1798.	1.9	10
107	Morphology design of highly oriented nonlinear optical Ba ₂ TiSi ₂ O ₈ crystals at the glass surface by crystallization in reduced atmosphere. <i>Optical Materials</i> , 2009, 32, 35-41.	3.6	13
108	Self-powdering and nonlinear optical domain structures in ferroelastic Er^{2+} -Gd ₂ (MoO ₄) ₃ crystals formed in glass. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2269-2273.	2.9	29

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109	Correlation between the temperature of molten state and the SH intensity of 30BaO 15TiO ₂ 55GeO ₂ crystallized glass. Journal of the Ceramic Society of Japan, 2009, 117, 671-674.	1.1	5
110	Average single bond strength and optical basicity of Na ₂ O-GeO ₂ glasses. Journal of the Ceramic Society of Japan, 2009, 117, 1105-1111.	1.1	15
111	Optical characteristics of nanocrystallized glass fiber with second-order optical nonlinearity. Journal of the Ceramic Society of Japan, 2009, 117, 143-146.	1.1	7
112	Creation of Ferroelectric, Single-Crystal Architecture in Sm _{0.5} La _{0.5} BGeO ₅ Glass. Journal of the American Ceramic Society, 2008, 91, 110-114.	3.8	46
113	Micro-architecture of nonlinear optical Ba ₂ TiGe ₂ O ₈ crystal dots and lines on the surface of laser-induced crystallized glasses by chemical etching. Applied Surface Science, 2008, 255, 3126-3131.	6.1	10
114	Spatially selected synthesis of LaF ₃ and Er ³⁺ -doped CaF ₂ crystals in oxyfluoride glasses by laser-induced crystallization. Journal of Solid State Chemistry, 2008, 181, 1176-1183.	2.9	33
115	Mössbauer analysis of Fe ion state in lithium iron phosphate glasses and their glass-ceramics with olivine-type LiFePO ₄ crystals. Solid State Communications, 2008, 146, 273-277.	1.9	57
116	Lithium ion conductive glass-ceramics with Li ₃ Fe ₂ (PO ₄) ₃ and YAG laser-induced local crystallization in lithium iron phosphate glasses. Solid State Ionics, 2008, 179, 508-515.	2.7	39
117	Writing of crystal lines and its optical properties of rare-earth ion (Er ³⁺ and Sm ³⁺) doped lithium niobate crystal on glass surface formed by laser irradiation. Optical Materials, 2008, 31, 315-319.	3.6	27
118	Microfabrication of U-shaped Grooves on the Surface of BaO-TiO ₂ -GeO ₂ Glass by YAG Laser Irradiation and Selective Chemical Etching. Journal of the American Ceramic Society, 2008, 91, 2170-2175.	3.8	9
119	Selective Synthesis of Lithium Ion-Conductive Li ₂ LiVOPO ₄ Crystals via Glass-Ceramic Processing. Journal of the American Ceramic Society, 2008, 91, 3920-3925.	3.8	32
120	YAG laser-induced structural modification in transition metal ion containing 40K ₂ O-40Nb ₂ O ₅ -20SiO ₂ glasses. Materials Research Bulletin, 2008, 43, 2592-2598.	5.2	11
121	Writing of crystal line patterns in glass by laser irradiation. Journal of Non-Crystalline Solids, 2008, 354, 468-471.	3.1	21
122	Patterning of <i>c</i> -axis-oriented Ba ₂ TiX ₂ O ₈ (X = Si, Ge) crystal lines in glass by laser irradiation and their second-order optical nonlinearities. Journal of Materials Research, 2008, 23, 885-888.	2.6	35
123	Transparent nonlinear optical crystallized glass fibers with highly oriented Ba ₂ TiGe ₂ O ₈ crystals. Journal of Applied Physics, 2008, 103, .	2.5	24
124	Comprehensive study of crystallization and phase formation in (La,Gd)BGeO ₅ glass. Journal of the Ceramic Society of Japan, 2008, 116, 1108-1114.	1.1	4
125	Deformation during Vickers nanoindentation in highly oriented nonlinear optical Ba ₂ TiGe ₂ O ₈ crystalline layers at glass surface. Journal of the Ceramic Society of Japan, 2008, 116, 859-863.	1.1	2
126	Crystal growth behavior in CuO-doped lithium disilicate glasses by continuous-wave fiber laser irradiation. Journal of the Ceramic Society of Japan, 2008, 116, 1314-1318.	1.1	28

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127	Laser-Induced Line Patterning of Nonlinear Optical .BETA.'-SmxGd2-x(MoO4)3 Molybdate Crystals in Glass. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2008, 55, 205-210.	0.2	2
128	Dual layered surface crystallization of 30BaOâ€“15TiO2â€“55GeO2 glass by stepwise heat treatment. Journal of Applied Physics, 2007, 101, 123505.	2.5	9
129	Creation of locally selective mirror surface on 40BaOâ€“40TiO2â€“20B2O3 glass by XeCl pulse laser irradiation. Journal of Materials Research, 2007, 22, 1270-1274.	2.6	1
130	Patterning of Ferroelectric .BETA.'-Gd2(MoO4)3 Crystal Lines on the Glass Surface by Transition Metal Atom Heat Processing. Journal of the Ceramic Society of Japan, 2007, 115, 582-587.	1.1	17
131	Chemically Etched Sharpened Tip of Transparent Crystallized Glass Fibers with Nonlinear Optical Ba2TiSi2O8 Nanocrystals. Journal of the Ceramic Society of Japan, 2007, 115, 374-378.	1.3	20
132	Structure and non-linear optical properties of BaOâ€“TiO2â€“SiO2 glass containing Ba2TiSi2O8 crystal. Journal of Non-Crystalline Solids, 2007, 353, 2258-2262.	3.1	52
133	Line patterning of (Sr,Ba)Nb2O6 crystals in borate glasses by transition metal atom heat processing. Journal of Solid State Chemistry, 2007, 180, 2541-2549.	2.9	21
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