Koichi Kajihara

List of Publications by Year
in descending order

122 papers	2,947 citations	147566 31 h-index	197535 49 g-index
124 all docs	124 docs citations	124 times ranked	2427 citing authors

#	Article	IF	Citations
1	Energy Transfer and Quenching in Solâ€“Gelâ€Derived Silica Glass Green Phosphors Doped with Tb³⁺ and Ce³⁺ Ions: Distinct Difference between Pâ€and Alâ€Codoped Glasses. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	0.8	0
2	Cosolvent-free synthesis of macroporous silica gels and monolithic silica glasses from tetraalkoxysilaneâ€“water binary systems: comparison between tetramethoxysilane and tetraethoxysilane. Journal of Sol-Gel Science and Technology, 2022, 104, 497-502.	1.1	2
3	Lithium Chloroboracite Li4B4M3O12Cl (MÂ=ÂAl, Ga): Glass-Ceramic Synthesis and Application to Solid-State Rechargeable Lithium Batteries. , 2021, , 231-238.		0
4	High-Temperature Conductivity Measurements of Magnesium-Ion-Conducting Solid Oxide Using Mg Metal Electrodes. , 2021, , 521-524.		0
5	Negligible concentration quenching in photoluminescent nanocrystals with high photoactive rare-earth concentrations: silicaâ€“(Tb,Ce)PO₄ transparent glass-ceramic green phosphors. Journal of Materials Chemistry C, 2021, 9, 2701-2705.	2.7	6
6	Solid-State Rechargeable Lithium Metal Battery with Li₄B₄Al₃O₁₂Cl-based Water-Resistant Lithium-Ion-Conducting Oxychloride Glass-Ceramic Electrolyte. Journal of the Electrochemical Society, 2021, 168, 040524.	1.3	6
7	Optical Absorption of Excimer Laserâ€Induced Dichlorine Monoxide in Silica Glass and Excitation of Singlet Oxygen Luminescence by Energy Transfer from Chlorine Molecules. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100009.	0.8	1
8	Low-Refractive-Index Deep-Ultraviolet Transparent Poly(fluoroalkyl-co-methylsilsesquioxane) Resins Synthesized by Cosolvent-Free Hydrolytic Polycondensation of Organotrimethoxysilanes. Journal of Physical Chemistry B, 2021, 125, 8238-8242.	1.2	0
9	Phenylphosphonate surface functionalisation of MgMn₂O₄ with 3D open-channel nanostructures for composite slurry-coated cathodes of rechargeable magnesium batteries operated at room temperature. RSC Advances, 2021, 11, 19076-19082.	1.7	14
10	Luminescence of non-bridging oxygen hole centers as a marker of particle irradiation of Î±-quartz. Radiation Measurements, 2020, 135, 106373.	0.7	13
11	Twinning by Merohedry and Thermal Expansion of Zeolitic Clathrasil Deca-dodecasil 3R. Inorganic Chemistry, 2020, 59, 5600-5609.	1.9	0
12	Cosolvent-free synthesis and characterisation of poly(phenyl-co-n-alkylsilsesquioxane) and poly(phenyl-co-vinylsilsesquioxane) glasses with low melting temperatures. Dalton Transactions, 2020, 49, 2487-2495.	1.6	2
13	Cosolvent-free solâ€“gel dip-coating of silica films from tetraalkoxysilaneâ€“water binary systems: precursor solutions of long pot life and their characterization by nuclear magnetic resonance spectroscopy. Journal of the Ceramic Society of Japan, 2020, 128, 772-782.	0.5	3
14	Computational investigation of the Mg-ion conductivity and phase stability of MgZr₄(PO₄)₆. RSC Advances, 2019, 9, 12590-12595.	1.7	24
15	Structure, Microscopic Ordering, and Viscous Properties of Amorphous Poly(nâ€alkylsilsesquioxane) Liquids and Solids Synthesized by Cosolventâ€Free Hydrolytic Polycondensation ofnâ€Alkyltrimethoxysilanes. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800475.	0.8	4
16	Creation of glass-characteristic point defects in crystalline SiO2 by 2.5â€¯MeV electrons and by fast neutrons. Journal of Non-Crystalline Solids, 2019, 505, 252-259.	1.5	11
17	Seed-free hydrothermal synthesis of all-silica deca-dodecasil 3R with essential reagents. Journal of the Ceramic Society of Japan, 2018, 126, 221-229.	0.5	3
18	Solâ€“gel-derived transparent silicaâ€“(Gd,Pr)PO₄ glass-ceramic narrow-band UVB phosphors. Dalton Transactions, 2018, 47, 12085-12091.	1.6	6

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19	Luminescence and Raman Detection of Molecular Cl2 and ClClO Molecules in Amorphous SiO2 Matrix. Journal of Physical Chemistry C, 2017, 121, 5261-5266.	1.5	19
20	High-Temperature Conductivity Measurements of Magnesium-Ion-Conducting Solid Oxide Mg_{0.5â^'}_x(Zr_{1â^'}_xNb_x)₁₂(PO<sub>4	12	8
21	Li4B4M3O12Cl (M = Al, Ga): An Electrochemically Stable, Lithium-Ion-Conducting Cubic Boracite with Substituted Boron Sites. Bulletin of the Chemical Society of Japan, 2017, 90, 1279-1286.	2.0	10
22	Synthesis and characterization of lithium-ion-conductive glass-ceramics of lithium chloroboracite Li₄₊<i>_x</i>B₇O₁₂₊<i>&l (<i>x</i> = 0–1). Journal of the Ceramic Society of Japan, 2017, 125, 348-352.	0.6	1
23	Luminescence properties of chlorine molecules in glassy SiO2 and optical fibre waveguides. Proceedings of the Estonian Academy of Sciences, 2017, 66, 455.	0.9	1
24	Poly(n-alkylsilsesquioxane) liquids prepared by cosolvent-free hydrolytic polycondensation of n-alkyltrialkoxysilanes: effects of liquidâ€“liquid phase separation during aging and alkyl chain length on structure and viscosity. Dalton Transactions, 2016, 45, 15532-15540.	1.6	5
25	Synthesis of silanol-rich long-life polysilsesquioxane liquids by cosolvent-free hydrolytic polycondensation of organotrimethoxysilanes followed by aging. Dalton Transactions, 2016, 45, 3151-3157.	1.6	8
26	Deep-ultraviolet transparent monolithic solâ€“gel derived silicaâ€“REPO₄ (RE = Y, Laâ€“Lu) Tj ETQq0 0 0 rgBT /Overlock 10 and application to narrow-band UVB phosphors. Journal of Materials Chemistry C, 2015, 3, 9894-9901.	2.7	19
27	Inhomogeneous broadening and peak shift of the 7.6 eV optical absorption band of oxygen vacancies in SiO2. , 2014, , .		2
28	Luminescence of non-bridging oxygen hole centers in crystalline SiO2. AIP Conference Proceedings, 2014, , .	0.3	7
29	Highly transparent, bright green, solâ€“gel-derived monolithic silica-(Tb,Ce)PO4 glass-ceramic phosphors. RSC Advances, 2014, 4, 26692-26696.	1.7	10
30	Diffusion and Reactions of Photoinduced Interstitial Oxygen Atoms in Amorphous SiO₂ Impregnated with ¹⁸O-Labeled Interstitial Oxygen Molecules. Journal of Physical Chemistry C, 2014, 118, 4282-4286.	1.5	12
31	Characteristic Coordination Structure around Nd Ions in Solâ€“Gel-Derived Ndâ€“Al-Codoped Silica Glasses. Journal of Physical Chemistry B, 2014, 118, 8792-8797.	1.2	8
32	Cosolvent-Free Solâ€“Gel Synthesis and Optical Characterization of Silica Glasses Containing LaF3 and (La,Er)F3 Nanocrystals. Bulletin of the Chemical Society of Japan, 2014, 87, 765-772.	2.0	5
33	Indium-Based Ultraviolet-Transparent Electroconductive Oxyfluoride InOF: Ambient-Pressure Synthesis and Unique Electronic Properties in Comparison with In₂O₃. Journal of the American Chemical Society, 2013, 135, 13080-13088.	6.6	15
34	Temperature dependence of O2 singlet photoluminescence in silica nanoparticles. Journal of Non-Crystalline Solids, 2013, 379, 220-223.	1.5	4
35	Recent advances in solâ€“gel synthesis of monolithic silica and silica-based glasses. Journal of Asian Ceramic Societies, 2013, 1, 121-133.	1.0	123
36	Formation and annihilation of intrinsic defects induced by electronic excitation in high-purity crystalline SiO2. Journal of Applied Physics, 2013, 113, 143511.	1.1	5

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37	Thiol-Containing Polysilsesquioxane Liquid and Photocurable Sulfur-Containing Transparent Organicâ€“Inorganic Hybrid Monoliths Obtained via Cosolvent-Free Hydrolytic Polycondensation. Bulletin of the Chemical Society of Japan, 2013, 86, 880-883.	2.0	7
38	Hydrothermal Synthesis of Manganese Dioxide Nanoparticles as Cathode Material for Rechargeable Batteries. Electrochemistry, 2013, 81, 2-6.	0.6	9
39	Cosolvent-free solâ€“gel synthesis of rare-earth and aluminum codoped monolithic silica glasses. Journal of the Ceramic Society of Japan, 2013, 121, 299-302.	0.5	10
40	Solâ€“Gel Synthesis of Rare-Earth and Phosphorus Codoped Monolithic Silica Glasses from a Cosolvent-Free Phase-Separating System. Applied Physics Express, 2012, 5, 012601.	1.1	16
41	Oxygen-excess-related point defects in glassy/amorphous SiO2 and related materials. Nuclear Instruments & Methods in Physics Research B, 2012, 286, 159-168.	0.6	65
42	18O-labeled interstitial oxygen molecules as probes to study reactions involving oxygen-related species in amorphous SiO2. Journal of Non-Crystalline Solids, 2012, 358, 3524-3530.	1.5	0
43	Synthesis of monolithic deep-ultraviolet-transparent polysilsesquioxane glasses from organotrimethoxysilaneâ€“water binary system. RSC Advances, 2012, 2, 8946.	1.7	7
44	Synthesis of nanocrystalline LaF3 doped silica glasses by hydrofluoric acid catalyzed solâ€“gel process. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 510-514.	1.7	9
45	Frenkel defect process in amorphous silica. , 2011, , .		3
46	Visible to vacuum-UV range optical absorption of oxygen dangling bonds in amorphous SiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	1.1	54
47	Oxygen-excess amorphous SiO2 with 18O-labeled interstitial oxygen molecules. Journal of Non-Crystalline Solids, 2011, 357, 1842-1845.	1.5	3
48	Crucial dependence of excimer laser toughness of â€œwetâ€•silica on excess oxygen. Journal of Non-Crystalline Solids, 2011, 357, 1875-1878.	1.5	4
49	Effects of temperature on electron paramagnetic resonance of dangling oxygen bonds in amorphous silicon dioxide. IOP Conference Series: Materials Science and Engineering, 2011, 23, 012016.	0.3	2
50	Exchange between interstitial oxygen molecules and network oxygen atoms in amorphousSiO2studied byO18isotope labeling and infrared photoluminescence spectroscopy. Physical Review B, 2011, 83, .	1.1	8
51	Sol-gel synthesis of fluorine-doped silica glasses with low SiOH concentrations. Journal of the Ceramic Society of Japan, 2011, 119, 393-396.	0.5	11
52	Amine-buffered Phase Separating Tetraethoxysilaneâ€“Water Binary Mixture: A Simple Precursor of Solâ€“Gel Derived Monolithic Silica Gels and Glasses. Chemistry Letters, 2010, 39, 712-713.	0.7	16
53	Diffusion of oxygen molecules in fluorine-doped amorphous SiO2. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 173, 158-161.	1.7	7
54	Highly patterned cylindrical Niâ€“Sn alloys with 3-dimensionally ordered macroporous structure as anodes for lithium batteries. Electrochimica Acta, 2010, 55, 8030-8035.	2.6	45

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55	Evaluation of Electrochemical Characteristics of Li₇La₃Zr₂O₁₂ Solid Electrolyte. ECS Transactions, 2009, 16, 175-180.	0.3	21
56	Photoluminescence Study of Diffusion and Reactions of ¹⁸O-labeled Interstitial Oxygen Molecules in Amorphous SiO₂. ECS Transactions, 2009, 25, 277-285.	0.3	0
57	Fabrication of Three-Dimensional Battery Using Ceramic Electrolyte with Honeycomb Structure by Sol-gel Process. ECS Transactions, 2009, 16, 37-43.	0.3	7
58	Oxygen ion conduction in 12CaOÂ·7Al2O3: O2âˆ’ conduction mechanism and possibility of Oâˆ’ fast conductionâ˜†. Solid State Ionics, 2009, 180, 550-555.	1.3	57
59	-ray-induced intrinsic defect processes in fluorine-doped synthetic SiO2 glasses of different fluorine concentrations. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 161, 96-99.	1.7	15
60	Oxygen Exchange at the Internal Surface of Amorphous<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SiO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Studied by Photoluminescence of Isotopically Labeled Oxygen Molecules. Physical Review Letters, 2009, 102, 175502.	2.9	14
61	Sol-gel synthesis of monolithic silica gels and glasses from phase-separating tetraethoxysilaneâ€“water binary system. Chemical Communications, 2009, , 2580.	2.2	44
62	Isotope Effect on the Infrared Photoluminescence Decay of Interstitial Oxygen Molecules in Amorphous SiO2. Applied Physics Express, 2009, 2, 056502.	1.1	9
63	Macroscopic Phase Separation in a Tetraethoxysilaneâ€“Water Binary Solâ€“Gel System. Bulletin of the Chemical Society of Japan, 2009, 82, 1470-1476.	2.0	27
64	Hydrogen-related radiation defects in SiO2-based glasses. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2971-2975.	0.6	14
65	Intrinsic defect formation in amorphousSiO2by electronic excitation: Bond dissociation versus Frenkel mechanisms. Physical Review B, 2008, 78, .	1.1	55
66	Diffusion and reactions of interstitial oxygen species in amorphous SiO2: A review. Journal of Non-Crystalline Solids, 2008, 354, 224-232.	1.5	64
67	Photoluminescence from Epitaxial Films of Perovskite-type Alkaline-earth Stannates. Applied Physics Express, 2008, 1, 015003.	1.1	29
68	Diffusion of nitrogen molecules in amorphous SiO2. Applied Physics Letters, 2007, 91, .	1.5	13
69	Improvement of Vacuum-Ultraviolet Transparency of Silica Glass by Modification of Point Defects(Review). Journal of the Ceramic Society of Japan, 2007, 115, 85-91.	1.3	19
70	Formation of Intrinsic Point Defects in Fluorine-doped Synthetic SiO2Glass by60Co Î³-ray Irradiation. Chemistry Letters, 2007, 36, 266-267.	0.7	8
71	Fluorine laser-induced silicon hydride Siâ€“H groups in silica. Journal of Non-Crystalline Solids, 2007, 353, 526-529.	1.5	15
72	Reactivity of SiCl and SiF groups in SiO2 glass with mobile interstitial O2 and H2O molecules. Journal of Non-Crystalline Solids, 2007, 353, 514-517.	1.5	8

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73	Vibrational Dynamics and Oxygen Diffusion in a Nanoporous Oxide Ion Conductor 12CaOÂ·7Al₂O₃ Studied by ¹⁸O Labeling and Micro-Raman Spectroscopy. Journal of Physical Chemistry C, 2007, 111, 14855-14861.	1.5	53
74	Interstitial OH Radicals in F2-Laser-Irradiated Bulk Amorphous SiO2. Journal of Physical Chemistry B, 2006, 110, 10224-10227.	1.2	4
75	In situobservation of the formation, diffusion, and reactions of hydrogenous species inF2-laser-irradiatedSiO2glass using a pump-and-probe technique. Physical Review B, 2006, 74, .	1.1	31
76	Role of Interstitial Voids in Oxides on Formation and Stabilization of Reactive Radicals:Â Interstitial HO2Radicals in F2-Laser-Irradiated Amorphous SiO2. Journal of the American Chemical Society, 2006, 128, 5371-5374.	6.6	11
77	An increased F2-laser damage in â€˜wetâ€™ silica glass due to atomic hydrogen: A new hydrogen-related Eâ€²-center. Journal of Non-Crystalline Solids, 2006, 352, 2297-2302.	1.5	36
78	Vacuum-ultraviolet absorption of interstitial O2 and H2O molecules in SiO2 glass. Journal of Non-Crystalline Solids, 2006, 352, 2303-2306.	1.5	6
79	Modification of vacuum-ultraviolet absorption of SiOH groups in SiO2 glass with temperature, F2 laser irradiation, and Hâ€“D isotope exchange. Journal of Non-Crystalline Solids, 2006, 352, 2307-2310.	1.5	13
80	Vacuum-ultraviolet absorption of hydrogenated and deuterated silanol groups and interstitial water molecules in amorphousSiO2. Physical Review B, 2005, 72, .	1.1	23
81	Defects in oxide glasses. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 15-24.	0.8	222
82	Decomposition of peroxy radicals in SiO2 glass with X-rays or KrF laser light. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 314-317.	0.8	2
83	Interstitial oxygen molecules in amorphous SiO2. II. The influence of common dopants (SiOH, SiF, and) Tj ETQq1 1 0.784314 rgBT /Over Physics, 2005, 98, 013528.	1.1	21
84	Interstitial oxygen molecules in amorphous SiO2. III. Measurements of dissolution kinetics, diffusion coefficient, and solubility by infrared photoluminescence. Journal of Applied Physics, 2005, 98, 013529.	1.1	51
85	Interstitial oxygen molecules in amorphous SiO2. I. Quantitative concentration analysis by thermal desorption, infrared photoluminescence, and vacuum-ultraviolet optical absorption. Journal of Applied Physics, 2005, 98, 013527.	1.1	36
86	Reactions of SiCl groups in amorphous SiO2 with mobile interstitial chemical species: Formation of interstitial Cl2 and HCl molecules, and role of interstitial H2O molecules. Journal of Applied Physics, 2005, 98, 043515.	1.1	16
87	UVâ€“VUV laser induced phenomena in SiO2 glass. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 323-331.	0.6	38
88	Role of Mobile Interstitial Oxygen Atoms in Defect Processes in Oxides: Interconversion between Oxygen-Associated Defects inSiO2Glass. Physical Review Letters, 2004, 92, 015504.	2.9	44
89	Interconversion between non-bridging oxygen hole center and peroxy radical in F2-laser-irradiated SiO2 glass. Journal of Non-Crystalline Solids, 2004, 345-346, 219-223.	1.5	9
90	Urbach absorption edge of silica: reduction of glassy disorder by fluorine doping. Journal of Non-Crystalline Solids, 2004, 345-346, 328-331.	1.5	48

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91	Spontaneous oxygen loading into SiO2 glass by thermal anneal. Journal of Non-Crystalline Solids, 2004, 349, 205-208.	1.5	18
92	Correlation between oxygen-deficient center formation and volume compaction in synthetic SiO_2 glass upon ArF or F_2 excimer-laser irradiation. Applied Optics, 2004, 43, 2332.	2.1	14
93	Surface Dissolution and Diffusion of Oxygen Molecules in SiO2 Glass. Journal of the Ceramic Society of Japan, 2004, 112, 559-562.	1.3	44
94	Electronic Structure of Oxygen Dangling Bond in GlassySiO2: The Role of Hyperconjugation. Physical Review Letters, 2003, 90, 186404.	2.9	76
95	Effect of F2 laser power on defect formation in high-purity SiO2 glass. Journal of Non-Crystalline Solids, 2003, 322, 73-77.	1.5	15
96	<title>Advances in silica-based glasses for UV and vacuum UV laser optics</title>. , 2003, 5122, 1.		7
97	Publisherâ€™s Note: Diffusion and Reactions of Hydrogen inF2-Laser-IrradiatedSiO2Glass [Phys. Rev. Lett.89, 135507 (2002)]. Physical Review Letters, 2002, 89, .	2.9	1
98	Power dependence of defect formation in SiO2 glass by F2 laser irradiation. Applied Physics Letters, 2002, 81, 3164-3166.	1.5	36
99	Effects of H2 impregnation on excimer-laser-induced oxygen-deficient center formation in synthetic SiO2 glass. Applied Physics Letters, 2002, 80, 3916-3918.	1.5	28
100	Photochemistry in phosphorus-doped silica glass by ArF excimer laser irradiation: Crucial effect of H2 loading. Journal of Applied Physics, 2002, 91, 4121-4124.	1.1	16
101	Diffusion and Reactions of Hydrogen inF2-Laser-IrradiatedSiO2Glass. Physical Review Letters, 2002, 89, 135507.	2.9	59
102	Decomposition of water by a CaTiO3 photocatalyst under UV light irradiation. Materials Research Bulletin, 2002, 37, 2401-2406.	2.7	112
103	The behavior of interstitial oxygen atoms induced by F2 laser irradiation of oxygen-rich glassy SiO2. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 127-130.	0.6	26
104	Vacuum ultraviolet optical absorption band of non-bridging oxygen hole centers in SiO2 glass. Solid State Communications, 2002, 122, 117-120.	0.9	92
105	Physical Disorder and Optical Properties in the Vacuum Ultraviolet Region of AmorphousSiO2. Physical Review Letters, 2001, 87, 175501.	2.9	141
106	Formation and decay of nonbridging oxygen hole centers in SiO2 glasses induced by F2 laser irradiation: In situ observation using a pump and probe technique. Applied Physics Letters, 2001, 79, 1757-1759.	1.5	74
107	Optical transparency of SiO 2 glass in vacuum ultraviolet region and defect formation by F 2 laser. , 2001, 4347, 223.		0
108	Macroporous morphology of titania films prepared by sol-gel dip-coating method from a system containing poly(ethylene glycol) and poly(vinylpyrrolidone). Journal of Materials Research, 2001, 16, 58-66.	1.2	26

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109	Interaction of F2 excimer laser pulses with hydroxy groups in SiO2 glass: Hydrogen bond formation and bleaching of vacuum ultraviolet absorption edge. Journal of Chemical Physics, 2001, 115, 9473-9476.	1.2	24
110	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 219-222.	1.1	36
111	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 17, 173-184.	1.1	55
112	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 17, 239-245.	1.1	19
113	Title is missing!. Journal of Sol-Gel Science and Technology, 1999, 16, 257-266.	1.1	25
114	Oxygen detection in solâ€“gel derived titania thin films doped with tantalum. Physical Chemistry Chemical Physics, 1999, 1, 1979-1983.	1.3	11
115	Macroporous Morphology of the Titania Films Prepared by a Sol-Gel Dip-Coating Method from the System Containing Poly(Ethylene Glycol). I. Effect of Humidity. Journal of Sol-Gel Science and Technology, 1998, 12, 185-192.	1.1	42
116	Macroporous Morphology of the Titania Films Prepared by a Sol-Gel Dip-Coating Method from the System Containing Poly(Ethylene Glycol). II. Effect of Solution Composition. Journal of Sol-Gel Science and Technology, 1998, 12, 193-201.	1.1	33
117	Preparation of Macroporous Titania Films by a Solâ€Gel Dipâ€Coating Method from the System Containing Poly(ethylene glycol). Journal of the American Ceramic Society, 1998, 81, 2670-2676.	1.9	107
118	Photovoltaic Effect in Titanium Dioxide/Polythiophene Cell. Japanese Journal of Applied Physics, 1997, 36, 5537-5542.	0.8	30
119	Photovoltaic Effect in Titanium Dioxide/Zinc Phthalocyanine Cell. Japanese Journal of Applied Physics, 1996, 35, 6110-6116.	0.8	35
120	Optical Second-order Nonlinearity and Glass Structure of Poled Tellurite Glasses.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1995, 42, 55-60.	0.1	1
121	<title>Second harmonic generation in electrically poled TeO<formula><inf><roman>2</roman></inf></formula>-based glasses</title>. , 1994, 2289, 167.		16
122	Energy transfer and quenching in solâ€“gelâ€derived silica glass green phosphors doped with Tb 3+ and Ce 3+ ions: distinct difference between Alâ€and Pâ€codoped glasses. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100494.	0.8	2