Masayuki Nogami

List of Publications by Year
in descending order

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244	7,372	50276	76900
papers	citations	46 h-index	74 g-index

246	246	246	8707
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solvothermal Synthesis of Multiple Shapes of Silver Nanoparticles and Their SERS Properties. Journal of Physical Chemistry C, 2007, 111, 9095-9104.	3.1	324
2	Field enhancement effect of small Ag particles on the fluorescence from Eu3+-doped SiO2 glass. Applied Physics Letters, 1999, 74, 1513-1515.	3.3	313
3	The development of mixture, alloy, and core-shell nanocatalysts with nanomaterial supports for energy conversion in low-temperature fuel cells. Nano Energy, 2013, 2, 636-676.	16.0	246
4	Preparation of Auâ€“Ag, Agâ€“Au coreâ€“shell bimetallic nanoparticles for surface-enhanced Raman scattering. Scripta Materialia, 2008, 58, 862-865.	5.2	233
5	Enhanced fluorescence of Eu3+ induced by energy transfer from nanosized SnO2 crystals in glass. Journal of Luminescence, 2002, 97, 147-152.	3.1	171
6	Synthesis and characterization of Ptâ€“Pd alloy and core-shell bimetallic nanoparticles for direct methanol fuel cells (DMFCs): Enhanced electrocatalytic properties of well-shaped core-shell morphologies and nanostructures. International Journal of Hydrogen Energy, 2011, 36, 8478-8491.	7.1	146
7	Proton Conduction in Porous Silica Glasses with High Water Content. Journal of Physical Chemistry B, 1998, 102, 5772-5775.	2.6	135
8	Self-Assembled Silver Nanochains for Surface-Enhanced Raman Scattering. Langmuir, 2007, 23, 12042-12047.	3.5	128
9	Room temperature persistent spectra hole burning in Sm2+â€doped silicate glasses prepared by the solâ€gel process. Applied Physics Letters, 1995, 66, 2952-2954.	3.3	126
10	Factors affecting cyclic durability of all-solid-state lithium polymer batteries using poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	30.8	125
11	Evidence of water-cooperative proton conduction in silica glasses. Physical Review B, 1997, 55, 12108-12112.	3.2	123
12	Controlled fabrication of silver nanoneedles array for SERS and their application in rapid detection of narcotics. Nanoscale, 2012, 4, 2663.	5.6	122
13	Block Copolymer Mediated Synthesis of Gold Quantum Dots and Novel Goldâ^'Polypyrrole Nanocomposites. Journal of Physical Chemistry B, 1999, 103, 7441-7448.	2.6	115
14	High Proton Conductivity in Porous P2O5â^'SiO2Glasses. Journal of Physical Chemistry B, 1999, 103, 9468-9472.	2.6	112
15	Superprotonic Conductors of Glassy Zirconium Phosphates. Journal of the Electrochemical Society, 1996, 143, 144-147.	2.9	102
16	The synthesis and characterization of platinum nanoparticles: a method of controlling the size and morphology. Nanotechnology, 2010, 21, 035605.	2.6	95
17	Solâ€gel method for synthesizing visible photoluminescent nanosized Geâ€crystalâ€doped silica glasses. Applied Physics Letters, 1994, 65, 2545-2547.	3.3	90
18	Structural and Transport Properties of Mixed Phosphotungstic Acid/Phosphomolybdic Acid/SiO2Glass Membranes for H2/O2Fuel Cells. Chemistry of Materials, 2007, 19, 3604-3610.	6.7	81

#	Article	IF	Citations
19	Fast Protonic Conductors of Waterâ€Containing â€‰Pâ€‰2â€‰Oâ€‰5â€‰â€â€‰ZrO2â€‰â€â€‰SiO2 Glasses. Journal of th Electrochemical Society, 1997, 144, 2175-2178.	2.9	78
20	Controlling the aggregation behavior of gold nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 140, 172-176.	3.5	77
21	White light emission from radical carbonyl-terminations in Al2O3â€“SiO2 porous glasses with high luminescence quantum efficiencies. Applied Physics Letters, 2003, 82, 2975-2977.	3.3	76
22	Enhanced emission from Eu2+ ions in solâ€gel derived Al2O3â€“SiO2 glasses. Applied Physics Letters, 1996, 69, 3776-3778.	3.3	70
23	A comparative study of Pt and Ptâ€“Pd coreâ€“shell nanocatalysts. Electrochimica Acta, 2011, 56, 9133-9143.	5.2	68
24	Apatite Formation on Calcium Phosphate Invert Glasses in Simulated Body Fluid. Journal of the American Ceramic Society, 2001, 84, 450-52.	3.8	67
25	Proton Conduction and Pore Structure in Solâ^'Gel Glasses. Chemistry of Materials, 2002, 14, 4624-4627.	6.7	66
26	Effects of heat treatment and poly(vinylpyrrolidone) (PVP) polymer on electrocatalytic activity of polyhedral Pt nanoparticles towards their methanol oxidation. Colloid and Polymer Science, 2011, 289, 1373-1386.	2.1	66
27	First-principles density functional calculation of electrochemical stability of fast Li ion conducting garnet-type oxides. Physical Chemistry Chemical Physics, 2012, 14, 10008.	2.8	66
28	Faraday Rotation Effect of Highly Tb2O3/Dy2O3-Concentrated B2O3â^'Ga2O3â^'SiO2â^'P2O5Glasses. Chemistry of Materials, 2002, 14, 3223-3225.	6.7	65
29	Nonlinear optical properties and glass structure for MOâ€“Nb2O5â€“TeO2 (M=Zn, Mg, Ca, Sr, Ba) glasses. Optical Materials, 2010, 32, 448-455.	3.6	63
30	Chemical synthesis and characterization of palladium nanoparticles. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2010, 1, 035012.	1.5	62
31	Synthesis and characterization of polyhedral Pt nanoparticles: Their catalytic property, surface attachment, self-aggregation and assembly. Journal of Colloid and Interface Science, 2011, 359, 339-350.	9.4	62
32	Biomedical Applications of Advanced Multifunctional Magnetic Nanoparticles. Journal of Nanoscience and Nanotechnology, 2015, 15, 10091-10107.	0.9	60
33	Shape control synthesis of multi-branched gold nanoparticles. Materials Chemistry and Physics, 2009, 115, 229-234.	4.0	59
34	Shape-controlled synthesis of Ptâ€“Pd coreâ€“shell nanoparticles exhibiting polyhedral morphologies by modified polyol method. Acta Materialia, 2011, 59, 2901-2907.	7.9	58
35	Aligned silver nanorod arrays for surface-enhanced Raman scattering. Nanotechnology, 2006, 17, 2670-2674.	2.6	57
36	Multivariate Method-Assisted Ab Initio Study of Olivine-Type LiMXO₄ (Main Group) Tj ETQq0 0 0 rgBT /Overlock 10 T Solid Electrolytes. Chemistry of Materials, 2012, 24, 1357-1364.	6.7	57

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37	Effect of hydroxyl bonds on persistent spectral hole burning inEu3+-dopedBaOâ"P2O5glasses. Physical Review B, 1998, 58, 6166-6171.	3.2	55
38	Enhancement of 5D0-7FJ Emissions of Eu3+ Ions in the Vicinity of Polymer-Protected Au Nanoparticles in Solâ"Gel-Derived B2O3â"SiO2 Glass. Journal of Physical Chemistry B, 2004, 108, 11301-11307.	2.6	55
39	A concerted migration mechanism of mixed oxide ion and electron conduction in reduced ceria studied by first-principles density functional theory. Physical Chemistry Chemical Physics, 2012, 14, 6079.	2.8	55
40	Persistent spectral hole burning of sol-gel-derivedEu3+â"dopedSiO2glass. Physical Review B, 1997, 56, R14235-R14238.	3.2	53
41	Related magnetic properties of CoFe₂O₄ cobalt ferrite particles synthesised by the polyol method with NaBH₄ and heat treatment: new micro and nanoscale structures. RSC Advances, 2015, 5, 56560-56569.	3.6	51
42	Facile assembling of gold nanorods with large aspect ratio and their surface-enhanced Raman scattering properties. Applied Physics Letters, 2007, 90, 261908.	3.3	50
43	Firstâ€Principles Studies on Novel Polar Oxide ZnSnO₃; Pressureâ€Induced Phase Transition and Electric Properties. Advanced Materials, 2010, 22, 2579-2582.	21.0	50
44	Inorganicâ€"organic hybrid membranes with anhydrous proton conduction prepared from tetramethoxysilane/methyl-trimethoxysilane/trimethylphosphate and 1-ethyl-3-methylimidazolium-bis (trifluoromethanesulfonyl) imide for H2/O2 fuel cells. Electrochimica Acta, 2010, 55, 1160-1168.	5.2	48
45	Synthesis of Porous Single-Crystalline Platinum Nanocubes Composed of Nanoparticles. Journal of Physical Chemistry Letters, 2010, 1, 568-571.	4.6	46
46	Tuned longitudinal surface plasmon resonance and third-order nonlinear optical properties of gold nanorods. Nanotechnology, 2011, 22, 275203.	2.6	46
47	Platinum and Palladium Nano-Structured Catalysts for Polymer Electrolyte Fuel Cells and Direct Methanol Fuel Cells. Journal of Nanoscience and Nanotechnology, 2013, 13, 4799-4824.	0.9	44
48	End-to-End Assembly of CTAB-Stabilized Gold Nanorods by Citrate Anions. Journal of Physical Chemistry C, 2008, 112, 10632-10636.	3.1	43
49	Synthesis and characterization of proton conducting inorganicâ€"organic hybrid nanocomposite membranes based on tetraethoxysilane/trimethylphosphate/3-glycidoxypropyltrimethoxysilane/heteropoly acids. Electrochimica Acta, 2009, 54, 4731-4740.	5.2	43
50	Spectral hole burning and excited electrons inSm2+-dopedAl2O3â"SiO2glasses. Physical Review B, 1997, 56, 182-186.	3.2	41
51	Dy3+ ions as optical probes for studying structure of boro-tellurite glasses. Journal of Luminescence, 2016, 178, 27-33.	3.1	41
52	Fast proton-conducting P2O5â€"ZrO2â€"SiO2 glasses. Applied Physics Letters, 1997, 71, 1323-1325.	3.3	40
53	Investigations on effects of the incorporation ofÂvarious ionic liquids on PVA based hybrid membranes for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2015, 40, 1935-1944.	7.1	40
54	An in-depth study of the Judd-Ofelt analysis, spectroscopic properties and energy transfer of Dy3+ in alumino-lithium-telluroborate glasses. Journal of Luminescence, 2019, 210, 435-443.	3.1	40

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55	Formation of Sm2+ Ions in Sol-Gel-Derived Glasses of the System Na2 O-Al2O3-SiO2. Journal of the American Ceramic Society, 1996, 79, 1257-1261.	3.8	39
56	Synthesis and characterization of anhydrous proton conducting inorganicâ€“organic composite membranes for medium temperature proton exchange membrane fuel cells (PEMFCs). Energy, 2010, 35, 5260-5268.	8.8	39
57	New Experimental Evidences of Ptâ€“Pd Bimetallic Nanoparticles with Coreâ€“Shell Configuration and Highly Fine-Ordered Nanostructures by High-Resolution Electron Transmission Microscopy. Journal of Physical Chemistry C, 2012, 116, 12265-12274.	3.1	39
58	High luminescence quantum efficiency of Eu3C-doped SnO2â€“SiO2glasses due to excitation energy transfer from nano-sized SnO2crystals. Science and Technology of Advanced Materials, 2005, 6, 66-70.	6.1	38
59	Room temperature single electron transistor with two-dimensional array of Auâ€“SiO2coreâ€“shell nanoparticles. Science and Technology of Advanced Materials, 2005, 6, 71-75.	6.1	38
60	Selective Synthesis and Luminescence Properties of Nanocrystalline GdF3:Eu³⁺with Hexagonal and Orthorhombic Structures. Journal of Nanomaterials, 2010, 2010, 1-7.	2.7	38
61	Novel issues of morphology, size, and structure of Pt nanoparticles in chemical engineering: surface attachment, aggregation or agglomeration, assembly, and structural changes. New Journal of Chemistry, 2012, 36, 1320.	2.8	38
62	Gas-sensing properties of p-type Î±-Fe2O3 polyhedral particles synthesized via a modified polyol method. RSC Advances, 2014, 4, 8250.	3.6	38
63	Synthesis and magnetism of hierarchical iron oxide particles. Materials and Design, 2015, 86, 797-808.	7.0	38
64	Fluorescence properties of Sm2+ions in silicate glasses. Journal of Applied Physics, 1996, 80, 409-414.	2.5	37
65	Room-temperature photochemical hole burning in Eu3+-doped Al2O3â€“SiO2 glass. Applied Physics Letters, 1999, 75, 3072-3075.	3.3	37
66	Proton-Conducting Glass Electrolyte. Analytical Chemistry, 2008, 80, 506-508.	6.5	37
67	Aligned gold nanoneedle arrays for surface-enhanced Raman scattering. Nanotechnology, 2010, 21, 325701.	2.6	35
68	Biomimetic apatite formation on poly(lactic acid) composites containing calcium carbonates. Journal of Materials Research, 2002, 17, 727-730.	2.6	34
69	Fabricating Auâ€“Ag core-shell composite films for surface-enhanced Raman scattering. Journal of Materials Science, 2008, 43, 5390-5393.	3.7	34
70	Estimation of the fs laser spot temperature inside TeO2â€“ZnOâ€“Nb2O5 glass by using up-conversion green fluorescence of Er3+ ions. Journal of Alloys and Compounds, 2008, 451, 77-80.	5.5	34
71	Self-assembled semiconductor capped metal composite nanoparticles embedded in BaTiO3 thin films for nonlinear optical applicationsElectronic supplementary information (ESI) available: results obtained for Au@CdS composite nanoparticles prepared by the same route. See http://www.rsc.org/suppdata/jm/b3/b306590a/. Journal of Materials Chemistry, 2003, 13, 3026.	6.7	33
72	Optical oxygen sensors based on platinum porphyrin dyes encapsulated in ORMOSILS. Sensors and Actuators B: Chemical, 2010, 147, 741-747.	7.8	33

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73	Shape-Controlled Metal Nanoparticles and Their Assemblies with Optical Functionalities. Journal of Nanomaterials, 2013, 2013, 1-17.	2.7	33
74	Three-photon-excited fluorescence of Al2O3-SiO2 glass containing Eu3+ ions by femtosecond laser irradiation. Applied Physics Letters, 2004, 84, 2076-2078.	3.3	32
75	Î²-Band Photoluminescence and Sn-E' Center Generation from Twofold-Coordinated Sn Centers in SiO2Glasses Produced via Solâ€“Gel Method. Japanese Journal of Applied Physics, 2006, 45, 5078-5083.	1.5	32
76	Structure and morphology of platinum nanoparticles with critical new issues of low- and high-index facets. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2012, 3, 025005.	1.5	32
77	Formation of Sm2+ Ions and Spectral Hole Burning in X-ray Irradiated Glasses. Journal of Physical Chemistry B, 2002, 106, 5395-5399.	2.6	31
78	Energy Transfer Between Eu3+ Ions and CdS Quantum Dots in Sol-Gel Derived CdS/SiO2 : Eu3+ Gel. Journal of Sol-Gel Science and Technology, 2000, 19, 779-783.	2.4	30
79	Synthesis and Characterization of Proton Conducting Inorganicâ^'Organic Hybrid Nanocomposite Membranes Based on mixed PWA-PMA-TEOS-GPTMS-H₃PO₄-APTES for H₂/O₂ Fuel Cells. Journal of Physical Chemistry C, 2009, 113, 14540-14550.	3.1	30
80	Ionic conductivity of lithium in spinel-type Li4/3Ti5/3O4â€“LiMg1/2Ti3/2O4 solid-solution system. Solid State Ionics, 2010, 181, 994-1001.	2.7	30
81	Iron Oxide Nanoparticles for Next Generation Gas Sensors. International Journal of Metallurgical & Materials Engineering, 2015, 1, .	0.1	30
82	Preparation of bonelike apatite composite for tissue engineering scaffold. Science and Technology of Advanced Materials, 2005, 6, 48-53.	6.1	29
83	A first-principles study on phase transition induced by charge ordering of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si26.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>Mn</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si27.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>Mn</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>4</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> Solid State Communications, 2010, 150, 1329-1333.	1.9	29
84	Controlled synthesis and characterization of iron oxide nanostructures with potential applications for gas sensors and the environment. RSC Advances, 2014, 4, 6383.	3.6	29
85	Energy migration of the local excitation at the Eu3+ site in a Euâ€“O chemical cluster in sol-gel derived SiO2:Eu3+ glasses. Journal of Applied Physics, 2001, 90, 2200-2205.	2.5	28
86	Synthesis and characterization of Ptâ€“Pd nanoparticles with core-shell morphology: Nucleation and overgrowth of the Pd shells on the as-prepared and defined Pt seeds. Journal of Alloys and Compounds, 2011, 509, 7702-7709.	5.5	28
87	Role of Water on Fast Proton Conduction in Sol-Gel Glasses. Journal of Sol-Gel Science and Technology, 1998, 13, 933-936.	2.4	27
88	Proton conducting organicâ€“inorganic composite membranes under anhydrous conditions synthesized from tetraethoxysilane/methyltriethoxysilane/trimethyl phosphate and 1-butyl-3 methylimidazolium tetrafluoroborate. Solid State Ionics, 2010, 181, 760-766.	2.7	27
89	Ordered mesoporous phosphosilicate glass electrolyte film with low area specific resistivity. Chemical Communications, 2003, , 236-237.	4.1	26
90	Photoluminescence Properties and 5D0 Decay Analysis of LaF3:Eu3+ Nanocrystals Prepared by Using Surfactant Assist. International Journal of Applied Ceramic Technology, 2011, 8, 741-751.	2.1	26

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91	Hygroscopic-oxides/NafionÂ® hybrid electrolyte for direct methanol fuel cells. Journal of Membrane Science, 2006, 281, 619-625.	8.2	25
92	Facile One-Step Synthesis of Highly Ordered Bimodal Mesoporous Phosphosilicate Monoliths. Journal of the American Chemical Society, 2007, 129, 11878-11879.	13.7	25
93	Nanocrystalline SnO₂ Particles and Twofold-coordinated Sn Defect Centers in Sol-gel-derived SnO₂â€“SiO₂ Glasses. Journal of Materials Research, 2002, 17, 1305-1311.	2.6	24
94	Hydrogen sensor prepared using fast proton-conducting glass films. Sensors and Actuators B: Chemical, 2006, 120, 266-269.	7.8	24
95	Blue light emission from Eu2+ ions in solâ€“gel-derived Al2O3â€“SiO2 glasses. Journal of Luminescence, 2009, 129, 1055-1059.	3.1	24
96	Highly monodisperse cubic and octahedral rhodium nanocrystals: Their evolutions from sharp polyhedrons into branched nanostructures and surface-enhanced Raman scattering. Journal of Crystal Growth, 2011, 320, 78-89.	1.5	23
97	Effect of A-site cation disorder on oxygen diffusion in perovskite-type Ba0.5Sr0.5Co1âˆ’xFexO2.5. Journal of Materials Chemistry A, 2013, 1, 10345.	10.3	22
98	Synthesis and Characterization of Fe-Based Metal and Oxide Based Nanoparticles: Discoveries and Research Highlights of Potential Applications in Biology and Medicine. Recent Patents on Nanotechnology, 2014, 8, 52-61.	1.3	22
99	Reduction Mechanism for Eu Ions in Al₂O₃-Containing Glasses by Heat Treatment in H₂ Gas. Journal of Physical Chemistry B, 2015, 119, 1778-1784.	2.6	22
100	Fabrication of hollow glass microspheres in the Na2O-B2O3-SiO2 system from metal alkoxides. Journal of Materials Science, 1982, 17, 2845-2849.	3.7	21
101	PMA/ZrO2â€“P2O5â€“SiO2 glass composite membranes: H2/O2 fuel cells. Journal of Membrane Science, 2009, 334, 123-128.	8.2	21
102	Variation in Eu3+ luminescence properties of GdF3:Eu3+ nanophosphors depending on matrix GdF3 polytype. Journal of Alloys and Compounds, 2011, 509, 2076-2080.	5.5	21
103	Sol-gel synthesis of high-humidity-sensitive amorphous P2O5-TiO2 films. Journal of Materials Science Letters, 1997, 16, 550-552.	0.5	20
104	Large-scale template-free synthesis of ordered mesoporous platinum nanocubes and their electrocatalytic properties. Nanoscale, 2015, 7, 19461-19467.	5.6	20
105	Polymer-protected gold clusters in silica glass. Materials Letters, 1998, 37, 156-161.	2.6	19
106	Machinable calcium pyrophosphate glass-ceramics. Journal of Materials Research, 2001, 16, 876-880.	2.6	19
107	Optical properties and valence change of samarium ions in a solâ€“gel Al2O3â€“B2O3â€“SiO2 glass by femtosecond laser irradiation. Journal of Non-Crystalline Solids, 2006, 352, 2778-2782.	3.1	19
108	Titanium Phosphate Glassâ€Ceramics with Silver Ion Exchangeability. Journal of the American Ceramic Society, 1999, 82, 765-767.	3.8	18

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109	Local structure and persistent spectral hole burning of the Eu3+ ion in SnO2â€“SiO2 glass containing SnO2 nanocrystals. Journal of Applied Physics, 2004, 95, 2781-2785.	2.5	18
110	The synthesis and photoluminescent properties of one-dimensional ZnMoO4:Eu3+ nanocrystals. Materials Letters, 2010, 64, 1644-1646.	2.6	18
111	Synthesis and characterization of polyhedral and quasi-sphere non-polyhedral Pt nanoparticles: effects of their various surface morphologies and sizes on electrocatalytic activity for fuel cell applications. Journal of Nanoparticle Research, 2011, 13, 5177-5191.	1.9	18
112	Crystal growth of tetragonal ZrO2 in the glass system ZrO2-SiO2 prepared by the sol-gel process from metal alkoxides. Journal of Materials Science, 1986, 21, 3513-3516.	3.7	17
113	Novel hybrid proton exchange membrane electrolytes for medium temperature non-humidified fuel cells. Journal of Alloys and Compounds, 2011, 509, 2238-2242.	5.5	17
114	Sharp cubic and octahedral morphologies of poly(vinylpyrrolidone)-stabilised platinum nanoparticles by polyol method in ethylene glycol: their nucleation, growth and formation mechanisms. Journal of Experimental Nanoscience, 2012, 7, 133-149.	2.4	17
115	Controlled synthesis and properties of palladium nanoparticles. Journal of Experimental Nanoscience, 2012, 7, 426-439.	2.4	17
116	Control of Oxidation State of Eu Ions in Na₂Oâ€“Al₂O₃â€“SiO₂ Glasses. Journal of the American Ceramic Society, 2016, 99, 1248-1254.	3.8	17
117	Effect of OH bonds on persistent spectral hole burning of Sm2+-doped glasses. Journal of Non-Crystalline Solids, 1998, 241, 98-104.	3.1	16
118	Protonic Conduction in P2O5-SiO2 Glasses Prepared by Sol-Gel Method. Journal of Sol-Gel Science and Technology, 1999, 14, 273-279.	2.4	16
119	Proton-conducting Ordered Mesostructured Silica Monoliths. Chemistry Letters, 2006, 35, 972-973.	1.3	16
120	Characterization and Performance Improvement of H[sub 2]â•O[sub 2] Fuel Cells Based on Glass Membranes. Journal of the Electrochemical Society, 2007, 154, B845.	2.9	16
121	Metal oxide doping effects on Raman spectra and third-order nonlinear susceptibilities of thalliumâ€“tellurite glasses. Scripta Materialia, 2010, 62, 806-809.	5.2	16
122	The affects of doping Eu3+ on structures and morphology of ZrO2 nanocrystals. Optical Materials, 2010, 32, 1139-1141.	3.6	16
123	Anhydrous Proton Conducting Inorganicâ€“Organic Composite Membranes Based on Tetraethoxysilane/ Ethyl-Triethoxysilane/Trimethylphosphate and 1-Butyl-3-methylimidazolium-bis(trifluoromethylsulfonyl)imide. Journal of the Electrochemical Society, 2010, 157, B892.	2.9	16
124	Zinc titanium glycolate acetate hydrate and its transformation to zinc titanate microrods: synthesis, characterization and photocatalytic properties. RSC Advances, 2015, 5, 88590-88601.	3.6	16
125	Synthesis and proton conductivity of large-sized crack-free mesostructured phosphorus-oxide-doped silica monoliths. Microporous and Mesoporous Materials, 2008, 111, 343-349.	4.4	15
126	Joining of Calcium Phosphate Invert Glassâ€Ceramics on a Î²â€Type Titanium Alloy. Journal of the American Ceramic Society, 2003, 86, 1031-1033.	3.8	14

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127	Anhydrous Proton Conducting Hybrid Membrane Electrolytes for High Temperature (>100Â°C) Proton Exchange Membrane Fuel Cells. Journal of the Electrochemical Society, 2011, 158, B376.	2.9	14
128	Proton conductivity and structural properties of precursors mixed PVA/PWA-based hybrid composite membranes. Journal of Solid State Electrochemistry, 2014, 18, 97-104.	2.5	14
129	Process window for the synthesis of Ag wires through polyol process. Materials Chemistry and Physics, 2009, 116, 1-5.	4.0	13
130	Ultra-high stability and durability of iron oxide micro- and nano-structures with discovery of new three-dimensional structural formation of grain and boundary. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 184-194.	4.7	13
131	Controlled synthesis and characterization of iron oxide micro-particles for Fe-air battery electrode material. Colloid and Polymer Science, 2015, 293, 49-63.	2.1	13
132	Redox equilibrium and spectral hole burning in Sm2+-doped Al2O3â€“SiO2 glasses. Journal of Materials Research, 2002, 17, 2053-2058.	2.6	12
133	Proton Conduction in Nanopore-Controlled Silica Glasses. Journal of Sol-Gel Science and Technology, 2004, 31, 359-364.	2.4	12
134	Eu3+-fluorescence properties in nano-crystallized SnO2-SiO2 glass-ceramics. Journal of Sol-Gel Science and Technology, 2007, 41, 231-236.	2.4	12
135	Fabrication of Twin-Linked Gold Nanoparticles and Their Linear/Nonlinear Optical Properties. Journal of Physical Chemistry C, 2008, 112, 13917-13921.	3.1	12
136	Asymmetry in anodic and cathodic polarization profile for LiFePO4 positive electrode in rechargeable Li ion battery. Journal of the Ceramic Society of Japan, 2011, 119, 692-696.	1.1	12
137	Global minimum structure search in LixCoO2 composition using a hybrid evolutionary algorithm. Physical Chemistry Chemical Physics, 2012, 14, 13095.	2.8	12
138	The controlled fabrication of â€œTip-On-Tipâ€•TERS probes. RSC Advances, 2014, 4, 4718-4722.	3.6	12
139	An oxygen sensor based on copper(I)-conducting CuTi2(PO4)3 glass ceramics. Applied Physics Letters, 1998, 73, 3297-3299.	3.3	11
140	Redox equilibrium of samarium ions doped in Al2O3â€“SiO2 glasses. Journal of Luminescence, 2007, 124, 291-296.	3.1	11
141	Ab initio prediction for the ionic conduction of lithium in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si20.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>LiInSiO</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></ and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si21.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>LiIn. Solid	1.9	11
142	Optical detection of near infrared femtosecond laser-heating of Er3+-doped ZnOâ€“Nb2O5â€“TeO2 glass by green up-conversion fluorescence of Er3+ ions. Journal of Luminescence, 2011, 131, 843-849.	3.1	11
143	Effects of SiO2 and P2O5 on structural, thermal and conductivity properties of inorganic materials doped with PVDF. RSC Advances, 2012, 2, 9596.	3.6	11
144	Synthesis and Self-Assembly of Gold Nanoparticles by Chemically Modified Polyol Methods under Experimental Control. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	11

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