

# Masayuki Nogami

## List of Publications by Year in descending order

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244  
papers

7,372  
citations

50244

46  
h-index

76872

74  
g-index

246  
all docs

246  
docs citations

246  
times ranked

8707  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pt-Based Multimetal Electrocatalysts and Potential Applications: Recent Advancements in the Synthesis of Nanoparticles by Modified Polyol Methods. <i>Crystals</i> , 2022, 12, 375.	1.0	10
2	Controlled Synthesis of Au Nanoparticles by Modified Polyol Methods: Determination of Their Size, Shape, and Crystal Structure. <i>Crystals</i> , 2021, 11, 1297.	1.0	5
3	Reduction of Sm <sup>3+</sup> and Eu <sup>3+</sup> ions-co-doped Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glasses and photoluminescence properties. <i>Optical Materials</i> , 2020, 100, 109639.	1.7	10
4	SnO <sub>2</sub> -nanocrystals for enhancing the fluorescence of Eu <sup>3+</sup> ions in sol-gel-derived glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 139, 109312.	1.9	6
5	Control Valence and Luminescence Properties of Cerium Ions in Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Glasses Prepared by Sol-Gel Method. <i>Journal of Electronic Materials</i> , 2019, 48, 6972-6977.	1.0	3
6	Formation of Ni nanoparticles in Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass by reacting with hydrogen gas. <i>Journal of Materials Science</i> , 2019, 54, 13883-13891.	1.7	8
7	An in-depth study of the Judd-Ofelt analysis, spectroscopic properties and energy transfer of Dy <sup>3+</sup> in alumino-lithium-telluroborate glasses. <i>Journal of Luminescence</i> , 2019, 210, 435-443.	1.5	40
8	Novel silicate glasses in the acceleration of hydrogen diffusion for reducing dopant metal ions. <i>Journal of Non-Crystalline Solids</i> , 2019, 503-504, 260-267.	1.5	5
9	Reduction Mechanisms of Cu <sup>2+</sup> -Doped Na <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Glasses during Heating in H <sub>2</sub> Gas. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1315-1322.	1.2	5
10	Hierarchical micro/nanoscale NdFe <sub>2</sub> Co oxide and alloy materials synthesized by polyol mediated methods with heat treatment. <i>Materials Letters</i> , 2018, 212, 202-206.	1.3	5
11	One-step fabrication of Cu nanoparticles on silicate glass substrates for surface plasmonic sensors. <i>Journal of Non-Crystalline Solids</i> , 2018, 495, 95-101.	1.5	7
12	Sol-Gel Processing for Spectral Hole-Burning Materials. , 2018, , 2321-2338.		0
13	Controlled Synthesis and Magnetic Properties of Uniform Hierarchical Polyhedral $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Particles. <i>Journal of Electronic Materials</i> , 2017, 46, 3301-3308.	1.0	10
14	Polyol-Mediated Synthesis, Microstructure and Magnetic Properties of Hierarchical Sphere, Rod, and Polyhedral $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Oxide Particles. <i>Journal of Electronic Materials</i> , 2017, 46, 3615-3621.	1.0	8
15	Diffusion and reaction of H <sub>2</sub> gas for reducing Eu <sup>3+</sup> ions in glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 105, 54-60.	1.9	6
16	Fluorescence properties of valence-controlled Eu <sup>2+</sup> and Mn <sup>2+</sup> ions in aluminosilicate glasses. <i>Journal of Luminescence</i> , 2017, 184, 83-88.	1.5	8
17	Controlled Synthesis and Ferrimagnetism of Homogeneous Hierarchical CoFe <sub>2</sub> O <sub>4</sub> Particles. <i>Journal of Electronic Materials</i> , 2017, 46, 6001-6008.	1.0	4
18	Control of Oxidation State of Eu Ions in Na <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Glasses. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1248-1254.	1.9	17

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19	Dy <sup>3+</sup> ions as optical probes for studying structure of boro-tellurite glasses. Journal of Luminescence, 2016, 178, 27-33.	1.5	41
20	Solâ€“Gel Processing for Spectral Hole-Burning Materials. , 2016, , 1-18.		0
21	Related magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> cobalt ferrite particles synthesised by the polyol method with NaBH <sub>4</sub> and heat treatment: new micro and nanoscale structures. RSC Advances, 2015, 5, 56560-56569.	1.7	51
22	Biomedical Applications of Advanced Multifunctional Magnetic Nanoparticles. Journal of Nanoscience and Nanotechnology, 2015, 15, 10091-10107.	0.9	60
23	Investigations on effects of the incorporation of various ionic liquids on PVA based hybrid membranes for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2015, 40, 1935-1944.	3.8	40
24	Reduction Mechanism for Eu Ions in Al <sub>2</sub> O <sub>3</sub> -Containing Glasses by Heat Treatment in H <sub>2</sub> Gas. Journal of Physical Chemistry B, 2015, 119, 1778-1784.	1.2	22
25	Synthesis and magnetism of hierarchical iron oxide particles. Materials and Design, 2015, 86, 797-808.	3.3	38
26	Structural investigation and Eu <sup>3+</sup> luminescence properties of LaF <sub>3</sub> :Eu <sup>3+</sup> nanophosphors. Journal of Alloys and Compounds, 2015, 644, 77-81.	2.8	10
27	Zinc titanium glycolate acetate hydrate and its transformation to zinc titanate microrods: synthesis, characterization and photocatalytic properties. RSC Advances, 2015, 5, 88590-88601.	1.7	16
28	Large-scale template-free synthesis of ordered mesoporous platinum nanocubes and their electrocatalytic properties. Nanoscale, 2015, 7, 19461-19467.	2.8	20
29	Controlled synthesis and characterization of iron oxide micro-particles for Fe-air battery electrode material. Colloid and Polymer Science, 2015, 293, 49-63.	1.0	13
30	Iron Oxide Nanoparticles for Next Generation Gas Sensors. International Journal of Metallurgical & Materials Engineering, 2015, 1, .	0.1	30
31	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.	0.7	22
32	Glass Structures and Linea/Nonlinear Optical Properties of Ag <sub>2</sub> O-Doped TeO <sub>2</sub> Glasses. Key Engineering Materials, 2014, 617, 141-144.	0.4	1
33	Controlled Synthesis of Porous Platinum Nanostructures for Catalytic Applications. Journal of Nanoscience and Nanotechnology, 2014, 14, 1194-1208.	0.9	9
34	Controlled synthesis and characterization of iron oxide nanostructures with potential applications for gas sensors and the environment. RSC Advances, 2014, 4, 6383.	1.7	29
35	Gas-sensing properties of p-type Î±-Fe <sub>2</sub> O <sub>3</sub> polyhedral particles synthesized via a modified polyol method. RSC Advances, 2014, 4, 8250.	1.7	38
36	The controlled fabrication of â€œTip-On-Tipâ€•TERS probes. RSC Advances, 2014, 4, 4718-4722.	1.7	12

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37	Proton conductivity and structural properties of precursors mixed PVA/PWA-based hybrid composite membranes. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 97-104.	1.2	14
38	Ultra-high stability and durability of iron oxide micro- and nano-structures with discovery of new three-dimensional structural formation of grain and boundary. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 456, 184-194.	2.3	13
39	Influence of glutaraldehyde cross-linking with polymer/heteropolyacid membranes. <i>Emerging Materials Research</i> , 2014, 3, 85-90.	0.4	2
40	The Recent Patents and Highlights of Functionally Engineered Nanoparticles for Potential Applications in Biology, Medicine, and Nanomedicine. <i>Current Physical Chemistry</i> , 2014, 4, 173-194.	0.1	7
41	Cathodoluminescence properties of Pr <sup>3+</sup> -doped perovskite-type transparent red luminescent thin films processed by a sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 324-328.	1.1	3
42	The development of mixture, alloy, and core-shell nanocatalysts with nanomaterial supports for energy conversion in low-temperature fuel cells. <i>Nano Energy</i> , 2013, 2, 636-676.	8.2	246
43	Effect of A-site cation disorder on oxygen diffusion in perovskite-type Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>1-x</sub> FexO <sub>2.5</sub> . <i>Journal of Materials Chemistry A</i> , 2013, 1, 10345.	5.2	22
44	Synthesis and Self-Assembly of Gold Nanoparticles by Chemically Modified Polyol Methods under Experimental Control. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	1.5	11
45	Shape-Controlled Metal Nanoparticles and Their Assemblies with Optical Functionalities. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-17.	1.5	33
46	Platinum and Palladium Nano-Structured Catalysts for Polymer Electrolyte Fuel Cells and Direct Methanol Fuel Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4799-4824.	0.9	44
47	Fabrication and electrochemical performance of lithium polymer battery using mesoporous silica/polymer hybrid electrolyte. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 723-729.	0.5	5
48	Engineering Nanostructures of Inorganic Materials for Optical and Chemical Applications. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-1.	1.5	1
49	Sharp cubic and octahedral morphologies of poly(vinylpyrrolidone)-stabilised platinum nanoparticles by polyol method in ethylene glycol: their nucleation, growth and formation mechanisms. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 133-149.	1.3	17
50	Structure and morphology of platinum nanoparticles with critical new issues of low- and high-index facets. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2012, 3, 025005.	0.7	32
51	New Experimental Evidences of Pt-Pd Bimetallic Nanoparticles with Core-Shell Configuration and Highly Fine-Ordered Nanostructures by High-Resolution Electron Transmission Microscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12265-12274.	1.5	39
52	Novel issues of morphology, size, and structure of Pt nanoparticles in chemical engineering: surface attachment, aggregation or agglomeration, assembly, and structural changes. <i>New Journal of Chemistry</i> , 2012, 36, 1320.	1.4	38
53	A concerted migration mechanism of mixed oxide ion and electron conduction in reduced ceria studied by first-principles density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6079.	1.3	55
54	Effects of SiO <sub>2</sub> and P <sub>2</sub> O <sub>5</sub> on structural, thermal and conductivity properties of inorganic materials doped with PVDF. <i>RSC Advances</i> , 2012, 2, 9596.	1.7	11

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55	First-principles density functional calculation of electrochemical stability of fast Li ion conducting garnet-type oxides. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10008.	1.3	66
56	Global minimum structure search in $\text{Li}_x\text{CoO}_2$ composition using a hybrid evolutionary algorithm. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13095.	1.3	12
57	Proton conduction in ionic liquid-modified $\text{P}_2\text{O}_5\text{-SiO}_2$ glasses. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 3495-3500.	1.5	6
58	Multivariate Method-Assisted <i>Ab Initio</i> Study of Olivine-Type $\text{LiMXO}_4$ (Main Group) Tj ETQq0 0 0 rgBT /Overlock 10 Solid Electrolytes. <i>Chemistry of Materials</i> , 2012, 24, 1357-1364.	3.2	57
59	Controlled fabrication of silver nanoneedles array for SERS and their application in rapid detection of narcotics. <i>Nanoscale</i> , 2012, 4, 2663.	2.8	122
60	Controlled synthesis and properties of palladium nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 426-439.	1.3	17
61	Synthesis of mixed composite membranes based polymer/HPA: Electrochemical performances on low temperature PEMFCs. <i>Journal of Membrane Science</i> , 2012, 411-412, 109-116.	4.1	9
62	Experimental Evidences of Crystal Nucleation and Growth of Platinum Nanoparticles with Most Characteristic Roughness Heteromorphologies and Nanostructures from Homogeneous Solution. <i>Journal of Advanced Microscopy Research</i> , 2012, 7, 98-117.	0.3	2
63	Pt and Pd Based Catalysts with Novel Alloy and Core-Shell Nanostructures for Practical Applications in Next Fuel Cells: Patents and Highlights. <i>Recent Patents on Materials Science</i> , 2012, 5, 175-190.	0.5	6
64	A novel proton conductor of imidazole-aluminium phosphate hybrids in the solid state. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9439.	1.3	9
65	Anhydrous Proton Conducting Hybrid Membrane Electrolytes for High Temperature ( $>100^\circ\text{C}$ ) Proton Exchange Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2011, 158, B376.	1.3	14
66	Tuned longitudinal surface plasmon resonance and third-order nonlinear optical properties of gold nanorods. <i>Nanotechnology</i> , 2011, 22, 275203.	1.3	46
67	Variation in $\text{Eu}^{3+}$ luminescence properties of $\text{GdF}_3\text{:Eu}^{3+}$ nanophosphors depending on matrix $\text{GdF}_3$ polytype. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2076-2080.	2.8	21
68	Synthesis and characterization of Pt-Pd nanoparticles with core-shell morphology: Nucleation and overgrowth of the Pd shells on the as-prepared and defined Pt seeds. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7702-7709.	2.8	28
69	Novel hybrid proton exchange membrane electrolytes for medium temperature non-humidified fuel cells. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2238-2242.	2.8	17
70	Shape-controlled synthesis of Pt-Pd core-shell nanoparticles exhibiting polyhedral morphologies by modified polyol method. <i>Acta Materialia</i> , 2011, 59, 2901-2907.	3.8	58
71	Asymmetry in anodic and cathodic polarization profile for $\text{LiFePO}_4$ positive electrode in rechargeable Li ion battery. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 692-696.	0.5	12
72	Reversible Control in Surface Plasmon Resonance Wavelength of Gold Nanoparticles by Using Polydimethylsiloxane (PDMS). <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 082008.	0.3	5

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73	Photoluminescence Properties and 5D0 Decay Analysis of LaF <sub>3</sub> :Eu <sup>3+</sup> Nanocrystals Prepared by Using Surfactant Assist. International Journal of Applied Ceramic Technology, 2011, 8, 741-751.	1.1	26
74	Structures and Third-Order Optical Nonlinearities of BiO <sub>1.5</sub> -WO <sub>3</sub> -TeO <sub>2</sub> Glasses. Journal of the American Ceramic Society, 2011, 94, 1434-1439.	1.9	10
75	A comparative study of Pt and Pt@Pd core-shell nanocatalysts. Electrochimica Acta, 2011, 56, 9133-9143.	2.6	68
76	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.	0.8	18
77	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.	1.0	66
78	Copper reduction and hydroxyl formation by hydrogen process in alumino-silicate glasses. Journal of Physics and Chemistry of Solids, 2011, 72, 151-157.	1.9	4
79	Electrochemical characterization of a porous Pt nanoparticle @ Nanocube-Mosaic prepared by a modified polyol method with HCl addition. Nano Research, 2011, 4, 746-758.	5.8	6
80	Proton-conducting hybrid membranes for medium temperature (>100°C) fuel cells. Ionics, 2011, 17, 287-291.	1.2	2
81	Optical properties and Judd-Ofelt parameters of Sm <sup>3+</sup> doped BiO <sub>1.5</sub> -WO <sub>3</sub> -TeO <sub>2</sub> glasses. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2597-2600.	0.8	4
82	Raman spectra and third-order nonlinear optical Z-scan properties of MO-Nb <sub>2</sub> O <sub>5</sub> -TeO <sub>2</sub> (M=Zn, Mg, Ca.) Tj ETQq0 0.0 rgBT /Qverlock 10	0.8	6
83	Synthesis and characterization of Pt@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.	3.8	146
84	Optical detection of near infrared femtosecond laser-heating of Er <sup>3+</sup> -doped ZnO@Nb <sub>2</sub> O <sub>5</sub> -TeO <sub>2</sub> glass by green up-conversion fluorescence of Er <sup>3+</sup> ions. Journal of Luminescence, 2011, 131, 843-849.	1.5	11
85	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.	5.0	62
86	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.	0.7	23
87	Doping Effect of Transition Metal Ions on Magnetic and Optical Properties of EuO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Glass. IOP Conference Series: Materials Science and Engineering, 2011, 18, 112013.	0.3	0
88	Preparation of Gold Nano-Cones as Surface-Enhanced Raman Scattering Sensors for Molecule Detection. Journal of Nanoscience and Nanotechnology, 2011, 11, 10930-10934.	0.9	3
89	An Amperometric Sensor for Nanomolar Detection of Hydrogen Peroxide Based on Encapsulation of Horseradish Peroxidase in Thymol Blue-Ormosil Composite. Sensor Letters, 2011, 9, 1323-1330.	0.4	6
90	Inorganic-organic hybrid membranes with anhydrous proton conduction prepared from tetramethoxysilane/methyl-trimethoxysilane/trimethylphosphate and 1-ethyl-3-methylimidazolium-bis(trifluoromethanesulfonyl) imide for H <sub>2</sub> /O <sub>2</sub> fuel cells. Electrochimica Acta, 2010, 55, 1160-1168.	2.6	48

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91	Anhydrous proton-conducting organic–inorganic hybrid membranes synthesized from tetramethoxysilane/methyltrimethoxysilane/diisopropyl phosphite and ionic liquid. <i>Ionics</i> , 2010, 16, 385-395.	1.2	9
92	Synthesis and characterization of transparent silica-based aerogels using methyltrimethoxysilane precursor. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 56, 107-113.	1.1	6
93	The synthesis and photoluminescent properties of one-dimensional ZnMoO <sub>4</sub> :Eu <sup>3+</sup> nanocrystals. <i>Materials Letters</i> , 2010, 64, 1644-1646.	1.3	18
94	Metal oxide doping effects on Raman spectra and third-order nonlinear susceptibilities of thallium–tellurite glasses. <i>Scripta Materialia</i> , 2010, 62, 806-809.	2.6	16
95	First-Principles Studies on Novel Polar Oxide ZnSnO <sub>3</sub> ; Pressure-Induced Phase Transition and Electric Properties. <i>Advanced Materials</i> , 2010, 22, 2579-2582.	11.1	50
96	Nonlinear optical properties and glass structure for MO–Nb <sub>2</sub> O <sub>5</sub> –TeO <sub>2</sub> (M=Zn, Mg, Ca, Sr, Ba) glasses. <i>Optical Materials</i> , 2010, 32, 448-455.	1.7	63
97	The affects of doping Eu <sup>3+</sup> on structures and morphology of ZrO <sub>2</sub> nanocrystals. <i>Optical Materials</i> , 2010, 32, 1139-1141.	1.7	16
98	The photoluminescent properties of Eu <sup>3+</sup> in MgO–Ga <sub>2</sub> O <sub>3</sub> –SiO <sub>2</sub> nanocrystalline glass-ceramic. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1656-1659.	1.9	2
99	Optical oxygen sensors based on platinum porphyrin dyes encapsulated in ORMOSILS. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 741-747.	4.0	33
100	Ab initio prediction for the ionic conduction of lithium in $\text{LiInSiO}_4$ and $\text{LiInSiO}_3$ . <i>Solid State Communications</i> , 2010, 150, 1329-1333.	0.9	11
101	Ab initio prediction for the ionic conduction of lithium in $\text{LiInSiO}_4$ and $\text{LiInSiO}_3$ . <i>Solid State Communications</i> , 2010, 150, 1329-1333.	0.9	29
102	Proton conducting organic–inorganic composite membranes under anhydrous conditions synthesized from tetraethoxysilane/methyltriethoxysilane/trimethyl phosphate and 1-butyl-3-methylimidazolium tetrafluoroborate. <i>Solid State Ionics</i> , 2010, 181, 760-766.	1.3	27
103	Ionic conductivity of lithium in spinel-type Li <sub>4</sub> /3Ti <sub>5</sub> /3O <sub>4</sub> –LiMg <sub>1</sub> /2Ti <sub>3</sub> /2O <sub>4</sub> solid-solution system. <i>Solid State Ionics</i> , 2010, 181, 994-1001.	1.3	30
104	Synthesis and characterization of anhydrous proton conducting inorganic–organic composite membranes for medium temperature proton exchange membrane fuel cells (PEMFCs). <i>Energy</i> , 2010, 35, 5260-5268.	4.5	39
105	Hydrogen Gas Reaction with Eu <sup>3+</sup> –Doped Al <sub>2</sub> O <sub>3</sub> –SiO <sub>2</sub> Glasses. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1663-1667.	1.9	5
106	Hydrogen Gas Permeation Through Al <sub>2</sub> O <sub>3</sub> –SiO <sub>2</sub> Glasses Containing Metal Ions. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3752-3756.	1.9	10
107	Selective Synthesis and Luminescence Properties of Nanocrystalline GdF <sub>3</sub> :Eu <sup>3+</sup> with Hexagonal and Orthorhombic Structures. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-7.	1.5	38
108	Anhydrous Proton Conducting Inorganic–Organic Composite Membranes Based on Tetraethoxysilane/Ethyl-Triethoxysilane/Trimethylphosphate and 1-Butyl-3-methylimidazolium-bis(trifluoromethylsulfonyl)imide. <i>Journal of the Electrochemical Society</i> , 2010, 157, B892.	1.3	16



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109	Solvothermal synthesis of platinum nanoparticles and their SERS properties. Proceedings of SPIE, 2010, , .	0.8	4
110	Chemical synthesis and characterization of palladium nanoparticles. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2010, 1, 035012.	0.7	62
111	Synthesis of Porous Single-Crystalline Platinum Nanocubes Composed of Nanoparticles. Journal of Physical Chemistry Letters, 2010, 1, 568-571.	2.1	46
112	The synthesis and characterization of platinum nanoparticles: a method of controlling the size and morphology. Nanotechnology, 2010, 21, 035605.	1.3	95
113	Factors affecting cyclic durability of all-solid-state lithium polymer batteries using poly(ethylene) Tj ETQq1 1 0.784314.rgBT /Overlock 10	15.6	125
114	Novel ceramic composite membranes for low-temperature fuel cells. Journal of Non-Crystalline Solids, 2010, 356, 2799-2802.	1.5	2
115	Aligned gold nanoneedle arrays for surface-enhanced Raman scattering. Nanotechnology, 2010, 21, 325701.	1.3	35
116	Fabrication and surface-enhanced Raman scattering properties of gold nanostructures. , 2010, , .		0
117	Synthesis, characterization and electrochemical properties of $\text{SiO}_2/\text{P}_2\text{O}_5/\text{TiO}_2/\text{ZrO}_2$ glass membranes as proton conducting electrolyte for low-temperature $\text{H}_2/\text{O}_2$ fuel cells. Journal Physics D: Applied Physics. 2009, 42, 215501.	1.3	5
118	Shape control synthesis of multi-branched gold nanoparticles. Materials Chemistry and Physics, 2009, 115, 229-234.	2.0	59
119	Process window for the synthesis of Ag wires through polyol process. Materials Chemistry and Physics, 2009, 116, 1-5.	2.0	13
120	Synthesis and characterization of proton conducting inorganic-organic hybrid nanocomposite membranes based on tetraethoxysilane/trimethylphosphate/3-glycidoxypropyltrimethoxysilane/heteropoly acids. Electrochimica Acta, 2009, 54, 4731-4740.	2.6	43
121	Gas sensor with excellent selectivity to hydrogen gas. Sensors and Actuators B: Chemical, 2009, 142, 7-10.	4.0	6
122	Blue light emission from $\text{Eu}^{2+}$ ions in sol-gel-derived $\text{Al}_2\text{O}_3/\text{SiO}_2$ glasses. Journal of Luminescence, 2009, 129, 1055-1059.	1.5	24
123	PMA/ $\text{ZrO}_2/\text{P}_2\text{O}_5/\text{SiO}_2$ glass composite membranes: $\text{H}_2/\text{O}_2$ fuel cells. Journal of Membrane Science, 2009, 334, 123-128.	4.1	21
124	Synthesis and Characterization of Proton Conducting Inorganic-Organic Hybrid Nanocomposite Membranes Based on mixed PWA-PMA-TEOS-GPTMS- $\text{H}_3\text{PO}_4$ -APTES for $\text{H}_2/\text{O}_2$ Fuel Cells. Journal of Physical Chemistry C, 2009, 113, 14540-14550.	1.5	30
125	The preparation and characterization of $\text{TiO}_2/\text{ZrO}_2$ composites doped with PMA/PWA. Journal of the Ceramic Society of Japan, 2009, 117, 411-414.	0.5	2
126	Fabricating $\text{Au}/\text{Ag}$ core-shell composite films for surface-enhanced Raman scattering. Journal of Materials Science, 2008, 43, 5390-5393.	1.7	34



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127	Synthesis and proton conductivity of large-sized crack-free mesostructured phosphorus-oxide-doped silica monoliths. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 343-349.	2.2	15
128	Preparation of Au@Ag, Ag@Au core-shell bimetallic nanoparticles for surface-enhanced Raman scattering. <i>Scripta Materialia</i> , 2008, 58, 862-865.	2.6	233
129	Upconversion luminescence properties of europium in ZnO@SiO <sub>2</sub> glasses by femtosecond laser excitation. <i>Materials Chemistry and Physics</i> , 2008, 107, 186-188.	2.0	9
130	Estimation of the fs laser spot temperature inside TeO <sub>2</sub> @ZnO@Nb <sub>2</sub> O <sub>5</sub> glass by using up-conversion green fluorescence of Er <sup>3+</sup> ions. <i>Journal of Alloys and Compounds</i> , 2008, 451, 77-80.	2.8	34
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