

Mikio Miyake

List of Publications by Year in descending order

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48
papers

2,778
citations

279798

23
h-index

214800

47
g-index

49
all docs

49
docs citations

49
times ranked

3573
citing authors

#	ARTICLE	IF	CITATIONS
1	Size Evolution of Alkanethiol-Protected Gold Nanoparticles by Heat Treatment in the Solid State. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2719-2724.	2.6	315
2	Green Synthesis of Magnetite (Fe ₃ O ₄) Nanoparticles Using Seaweed (<i>Kappaphycus alvarezii</i>) Extract. <i>Nanoscale Research Letters</i> , 2016, 11, 276.	5.7	308
3	Green biosynthesis of superparamagnetic magnetite Fe ₃ O ₄ nanoparticles and biomedical applications in targeted anticancer drug delivery system: A review. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2287-2308.	4.9	302
4	Synthesis of Monodisperse Gold Nanoparticles Using Linear Polymers as Protective Agents. <i>Advanced Materials</i> , 1998, 10, 596-599.	21.0	208
5	Various ligand-stabilized metal nanoclusters as homogeneous and heterogeneous catalysts in the liquid phase. <i>Applied Organometallic Chemistry</i> , 2001, 15, 178-196.	3.5	168
6	Simple synthesis of three primary colour nanoparticle inks of Prussian blue and its analogues. <i>Nanotechnology</i> , 2007, 18, 345609.	2.6	163
7	Synthesis and Isolation of Cobalt Hexacyanoferrate/Chromate Metal Coordination Nanopolymers Stabilized by Alkylamino Ligand with Metal Elemental Control. <i>Journal of the American Chemical Society</i> , 2004, 126, 9482-9483.	13.7	126
8	Formation of monodispersed ultrafine platinum particles and their electrophoretic deposition on electrodes. <i>Advanced Materials</i> , 1997, 9, 65-67.	21.0	106
9	Novel Synthesis of Monodispersed Pd/Ni Nanoparticles. <i>Chemistry of Materials</i> , 1999, 11, 3414-3416.	6.7	102
10	Shape Control of Pt Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers</i> , 2000, 10, 145-156.	1.5	93
11	Synthesis of carbon nanotubes over gold nanoparticle supported catalysts. <i>Carbon</i> , 2005, 43, 2654-2663.	10.3	87
12	Self-Organization of Au Nanoparticles Protected by 2,6-Bis(1-(8-thiooctyl)benzimidazol-2-yl)pyridine. <i>Journal of the American Chemical Society</i> , 2000, 122, 4237-4238.	13.7	83
13	ESR Study on Palladium Nanoparticles. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5774-5776.	2.6	82
14	Planar Array of 1D Gold Nanoparticles on Ridge-and-Valley Structured Carbon. <i>Journal of the American Chemical Society</i> , 2002, 124, 4210-4211.	13.7	70
15	Control of Stripelike and Hexagonal Self-Assembly of Gold Nanoparticles by the Tuning of Interactions between Triphenylene Ligands. <i>Journal of the American Chemical Society</i> , 2007, 129, 14271-14280.	13.7	60
16	Synthesis and Size Control of Pt Nanocubes with High Selectivity Using the Additive Effect of NaI. <i>Chemistry Letters</i> , 2005, 34, 1050-1051.	1.3	53
17	Self-assembly of discotic liquid crystalline molecule-modified gold nanoparticles: control of 1D and hexagonal ordering induced by solvent polarity. <i>Chemical Communications</i> , 2006, , 2569.	4.1	52
18	Preparation of single-crystalline platinum nanowires with small diameters under mild conditions. <i>Chemical Communications</i> , 2007, , 245-247.	4.1	50

#	ARTICLE	IF	CITATIONS
19	Metal(II) Hexacyanochromate(III) MCr (M = Co, Cu, Fe) Coordination Nanoparticles Stabilized by Alkyl Surface Coordination Ligand: Downsizing Effect on Their Crystal Structure and Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1953-1962.	3.1	35
20	Synthesis of carbon nanotubes and carbon nanofilaments over palladium supported catalysts. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 420-426.	6.1	29
21	Promotion Effect of Polymer-Immobilized Neodymium Ions on Catalytic Activity of Ultrafine Palladium Particles. <i>Chemistry Letters</i> , 1996, 25, 277-278.	1.3	28
22	Synthesis and diameter control of multi-walled carbon nanotubes over gold nanoparticle catalysts. <i>Applied Catalysis A: General</i> , 2006, 302, 201-207.	4.3	27
23	Synthesis of Small Platinum Cube with Less Than 3 nm by the Control of Growth Kinetics. <i>Crystal Growth and Design</i> , 2011, 11, 4292-4295.	3.0	27
24	Olefin hydrogenation catalysis of platinum nanocrystals with different shapes. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5147-5156.	1.9	23
25	Shape and Size Controlled Pt Nanocrystals as Novel Model Catalysts. <i>Catalysis Surveys From Asia</i> , 2012, 16, 1-13.	2.6	22
26	Promotion effect of lanthanoid ions on catalytic activity of polymer-immobilized palladium nanoparticles. <i>Reactive and Functional Polymers</i> , 1998, 37, 111-119.	4.1	16
27	Detection of Nitric Oxide on Carbon Electrode Modified with Ionic Polymers and β -Cyclodextrin. <i>Electrochemistry</i> , 2001, 69, 16-20.	1.4	16
28	Novel synthetic approach to creating PtCo alloy nanoparticles by reduction of metal coordination nano-polymers. <i>Chemical Communications</i> , 2005, , 4851.	4.1	15
29	Fluorescent Property of Bulk- and Nanocrystals of Cyanide-bridged Eu(III)Co(III) Heteronuclear Coordination Polymer. <i>Chemistry Letters</i> , 2004, 33, 1182-1183.	1.3	14
30	Characterization of Heavy Oil by FT-ICR MS Coupled with Various Ionization Techniques. <i>Journal of the Japan Petroleum Institute</i> , 2009, 52, 159-171.	0.6	14
31	Platinum Nanoparticles Modified with Perfluorinated Alkylamines as a Model Cathode Catalyst for Fuel Cells. <i>Electroanalysis</i> , 2017, 29, 898-906.	2.9	11
32	Particle Size Control of 11-Mercaptoundecanoic Acid-Protected Au Nanoparticles by Using Heat-treatment Method. <i>Chemistry Letters</i> , 2004, 33, 344-345.	1.3	8
33	Fabrication of a tubular FeCo bimetallic nanostructure using a cellulose-cobalt hexacyanoferrate composite as a precursor. <i>Chemical Communications</i> , 2009, , 1538.	4.1	7
34	Morphology-controlled growth of Pt nanoparticles taking advantage of smaller molecule and inorganic salt. <i>Acta Materialia</i> , 2014, 63, 202-208.	7.9	7
35	Hexagonal Ring Submicro- and Nanocrystals of a La-Hexacyanoferrate Coordination Polymer. <i>Chemistry Letters</i> , 2005, 34, 590-591.	1.3	6
36	Formation of Porous Pt Nanoparticles through Core-Shell Pt-Al Nanoalloys and Wet Chemical Etching. <i>Chemistry Letters</i> , 2012, 41, 644-646.	1.3	6

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37	Characterization of Nitrogen Compounds in Vacuum Residues by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Journal of the Japan Petroleum Institute</i> , 2004, 47, 326-334.	0.6	5
38	Single-crystalline Gold Nanodisks Prepared by the Shape Transformation under UV Irradiation from Nanoparticles Protected with Discotic Liquid Crystalline Ligands. <i>Chemistry Letters</i> , 2008, 37, 1276-1277.	1.3	5
39	Aromatic Ring Size Effect of a Surface Modification Agent on Platinum Nanoparticle Electrocatalysts for Oxygen Reduction Reaction. <i>Electrocatalysis</i> , 2018, 9, 486-494.	3.0	5
40	Submicro- and Nanocrystals of Cyano-bridged FeLa Coordination Polymer in Reversed Micelle. <i>Chemistry Letters</i> , 2006, 35, 1302-1303.	1.3	4
41	Site Specific Deposition of Ag on the Corners of Pt Nanocubes. <i>Chemistry Letters</i> , 2011, 40, 705-707.	1.3	4
42	Synthesis of Monodisperse Gold Nanoparticles Using Linear Polymers as Protective Agents. <i>Advanced Materials</i> , 1998, 10, 596-599.	21.0	4
43	Silica Coating on Carbonaceous Mesophase Spherules. <i>Tanso</i> , 1998, 1998, 302-305.	0.1	4
44	Electrochemical Fabrication of Cubic-Shaped Pt Nanoparticles onto Carbon Fiber Electrodes. <i>Electrochemistry</i> , 2010, 78, 132-135.	1.4	3
45	Various ligand-stabilized metal nanoclusters as homogeneous and heterogeneous catalysts in the liquid phase. <i>Applied Organometallic Chemistry</i> , 2001, 15, 178-196.	3.5	2
46	Characterization of Constituents of Arabian Vacuum Residues by FT-ICR MS Coupled with Various Ionization Techniques. <i>ACS Symposium Series</i> , 2005, , 19-37.	0.5	1
47	Synthesis of Monodisperse Gold Nanoparticles Using Linear Polymers as Protective Agents. , 1998, 10, 596.		1
48	Development of Facile Preparation Methods for Precisely Structure-controlled Pt Nanocrystals and Their Application as Olefin Hydrogenation Model Catalysts. <i>Journal of the Japan Petroleum Institute</i> , 2013, 56, 214-220.	0.6	1