Yoshio Kobayashi

List of Publications by Year
in descending order

173	4,078	147801	138484
papers	citations	31 h-index	58 g-index

178	178	178	4922
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deposition of Silver Nanoparticles on Silica Spheres by Pretreatment Steps in Electroless Plating. Chemistry of Materials, 2001, 13, 1630-1633.	6.7	331
2	Silica coating of silver nanoparticles using a modified StÃ¶ber method. Journal of Colloid and Interface Science, 2005, 283, 392-396.	9.4	314
3	Preparation and Properties of Silica-Coated Cobalt Nanoparticlesâ€. Journal of Physical Chemistry B, 2003, 107, 7420-7425.	2.6	260
4	Preparation of Mesoporous Carbon from Organic Polymer/Silica Nanocomposite. Chemistry of Materials, 2000, 12, 3397-3401.	6.7	197
5	Direct coating of gold nanoparticles with silica by a seeded polymerization technique. Journal of Colloid and Interface Science, 2003, 264, 385-390.	9.4	179
6	Solâ˜'Gel Processing of Silica-Coated Gold Nanoparticles. Langmuir, 2001, 17, 6375-6379.	3.5	138
7	In vivo single molecular imaging and sentinel node navigation by nanotechnology for molecular targeting drug-delivery systems and tailor-made medicine. Breast Cancer, 2008, 15, 145-152.	2.9	130
8	Synthesis of submicrometer-sized titania spherical particles with a solâ€“gel method and their application to colloidal photonic crystals. Journal of Colloid and Interface Science, 2005, 291, 162-168.	9.4	89
9	Solâ˜'Gel Derived Gold Nanoclusters in Silica Glass Possessing Large Optical Nonlinearities. Journal of Physical Chemistry B, 2002, 106, 10157-10162.	2.6	73
10	Synthesis of Highly Monodisperse Particles Composed of a Magnetic Core and Fluorescent Shell. Langmuir, 2008, 24, 9804-9808.	3.5	70
11	Highly Sensitive Methods for Electroanalytical Chemistry Based on Nanotubule Membranes. Analytical Chemistry, 1999, 71, 3665-3672.	6.5	69
12	Control of shell thickness in silica-coating of Au nanoparticles and their X-ray imaging properties. Journal of Colloid and Interface Science, 2011, 358, 329-333.	9.4	67
13	Template-Synthesized Nanotubes for Chemical Separations and Analysis. Chemistry - A European Journal, 2002, 8, 3572.	3.3	60
14	Synthesis of metallic copper nanoparticles coated with polypyrrole. Colloid and Polymer Science, 2009, 287, 877-880.	2.1	60
15	Deposition of gold nanoparticles on silica spheres by electroless metal plating technique. Journal of Colloid and Interface Science, 2005, 283, 601-604.	9.4	52
16	Preparation of highly monodisperse poly(methyl methacrylate) particles incorporating fluorescent rhodamine 6G for colloidal crystals. Journal of Colloid and Interface Science, 2006, 298, 232-237.	9.4	51
17	Fabrication of barium titanate nanoparticlesâ€polymethylmethacrylate composite films and their dielectric properties. Polymer Engineering and Science, 2009, 49, 1069-1075.	3.1	50
18	Size Effect on Crystal Structures of Barium Titanate Nanoparticles Prepared by a Sol-Gel Method. Journal of Sol-Gel Science and Technology, 2004, 29, 49-55.	2.4	49

#	Article	IF	Citations
19	Particle formation in the hydrolysis of tetraethyl orthosilicate in pH buffer solution. Journal of Colloid and Interface Science, 2004, 279, 143-149.	9.4	49
20	Electrolyte-Added One-Pot Synthesis for Producing Monodisperse, Micrometer-Sized Silica Particles up to 7 Î¼m. Langmuir, 2010, 26, 7512-7515.	3.5	49
21	Preparation and colloidal stability of monodisperse magnetic polymer particles. Journal of Colloid and Interface Science, 2005, 289, 419-426.	9.4	47
22	Preparation of silica encapsulated CdSe quantum dots in aqueous solution with the improved optical properties. Applied Surface Science, 2005, 242, 281-286.	6.1	46
23	Preparation and characterization of aqueous colloids of Ptâ€“Ru nanoparticles. Journal of Colloid and Interface Science, 2005, 292, 122-126.	9.4	45
24	Rapid one-step synthesis, characterization and functionalization of silica coated gold nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 392, 137-144.	4.7	45
25	Silica-coating of fluorescent polystyrene microspheres by a seeded polymerization technique and their photo-bleaching property. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 242, 47-52.	4.7	41
26	Active Sites on Zn_xZr_{1â€“x}O_{2â€“x} Solid Solution Catalysts for CO₂-to-Methanol Hydrogenation. ACS Catalysis, 2022, 12, 7748-7759.	11.2	37
27	Molecular Sieving and Sensing with Gold Nanotube Membranes. Chemical Record, 2002, 2, 259-267.	5.8	36
28	Silica-coating of AgI semiconductor nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 251, 197-201.	4.7	36
29	Synthesis of spherical submicron-sized magnetite/silica nanocomposite particles. Journal of Sol-Gel Science and Technology, 2008, 45, 35-41.	2.4	35
30	Preparation of multilayered silicaâ€“Gdâ€“silica core-shell particles and their magnetic resonance images. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 308, 14-19.	4.7	34
31	Influence of Ionomer/Carbon Ratio on the Performance of a Polymer Electrolyte Fuel Cell. Polymers, 2012, 4, 1645-1656.	4.5	34
32	Direct Drawing of Ag Microwiring by Laser-Induced Pyrolysis of Film Prepared from Liquid-Dispersed Metal Nanoparticles. Japanese Journal of Applied Physics, 2005, 44, L740-L742.	1.5	31
33	Preparation of Micrometer-Sized Poly(methyl methacrylate) Particles with Amphoteric Initiator in Aqueous Media. Langmuir, 2004, 20, 7948-7951.	3.5	30
34	Effect of ultrasonic irradiation on carbon-supported Ptâ€“Ru nanoparticles prepared at high metal concentration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 623-627.	4.7	30
35	A metalâ€“metal bonding process using metallic copper nanoparticles produced by reduction of copper oxide nanoparticles. Journal of Materials Research and Technology, 2014, 3, 114-121.	5.8	30
36	Single- and multi-layered patterns of polystyrene and silica particles assembled with a simple dip-coating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 317, 722-729.	4.7	29

#	Article	IF	Citations
37	Direct coating of quantum dots with silica shell. Journal of Sol-Gel Science and Technology, 2010, 55, 79-85.	2.4	28
38	Uniform Silica Coated Fluorescent Nanoparticles: Synthetic Method, Improved Light Stability and Application to Visualize Lymph Network Tracer. PLoS ONE, 2010, 5, e13167.	2.5	28
39	Preparation of multilayered goldâ€“silicaâ€“polystyrene coreâ€“shell particles by seeded polymerization. Journal of Colloid and Interface Science, 2004, 279, 284-287.	9.4	27
40	Dynamics of different-sized solid-state nanocrystals as tracers for a drug-delivery system in the interstitium of a human tumor xenograft. Breast Cancer Research, 2009, 11, R43.	5.0	25
41	Preparation and Photoproperties of a Transparent Alumina Film Doped with Energy-Transfer-Type Laser Dye Pair. Journal of the American Ceramic Society, 1990, 73, 453-456.	3.8	24
42	Synthesis of Submicron-Sized Titania-Coated Silica Particles with a Sol-Gel Method and Their Application to Colloidal Photonic Crystals. Journal of Sol-Gel Science and Technology, 2006, 38, 91-95.	2.4	24
43	Toward a molecular CoulterÂ® counter type device. Journal of Electroanalytical Chemistry, 1997, 431, 29-33.	3.8	22
44	Solvent Effects on Particle Formation in Hydrolysis of Tetraethyl Orthosilicate. Journal of Sol-Gel Science and Technology, 2005, 35, 197-201.	2.4	22
45	Multiformity of particle arrays assembled with a simple dip-coating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 311, 26-31.	4.7	22
46	Preparation of catalyst for a polymer electrolyte fuel cell using a novel spherical carbon support. Journal of Power Sources, 2010, 195, 5862-5867.	7.8	22
47	Preparation of composite particles with magnetic silica core and fluorescent polymer shell. Colloid and Polymer Science, 2008, 286, 959-964.	2.1	21
48	Photodegradation of SiO₂-Coated CdS Nanoparticles within Silica Gels. Journal of Nanoscience and Nanotechnology, 2001, 1, 95-99.	0.9	20
49	Low-Temperature Synthesis of Single-Phase Barium Strontium Titanate Thin Film with a nm-Seeding Technique and Its Dielectric Properties. Journal of Sol-Gel Science and Technology, 2005, 33, 315-321.	2.4	20
50	Low-Temperature Synthesis of Single-Phase Lead Zirconate Titanate Thin Film with a nm-Seeding Technique.. Journal of the Ceramic Society of Japan, 2002, 110, 911-915.	1.3	19
51	Preparation and characterization of long-lived anode catalyst for direct methanol fuel cells. Journal of Colloid and Interface Science, 2006, 300, 253-258.	9.4	19
52	Preparation of silica-coated Coâ€“Pt alloy nanoparticles. Materials Letters, 2006, 60, 2046-2049.	2.6	19
53	X-ray imaging technique using colloid solution of Au/silica core-shell nanoparticles. Journal of Nanostructure in Chemistry, 2013, 3, 1.	9.1	19
54	Recent advances in the synthesis of copper-based nanoparticles for metalâ€“metal bonding processes. Journal of Science: Advanced Materials and Devices, 2016, 1, 413-430.	3.1	19

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55	Fabrication of barium titanate nanoparticlesâ€epoxy resin composite films and their dielectric properties. Polymer Composites, 2010, 31, 1179-1183.	4.6	18
56	Dielectric properties of lead zirconate titanate thin films seeded with barium strontium titanate nanoparticles. Thin Solid Films, 2005, 471, 71-75.	1.8	17
57	X-Ray Absorption of Gold Nanoparticles with Thin Silica Shell. Journal of Nanoscience and Nanotechnology, 2006, 6, 3503-3506.	0.9	17
58	X-ray imaging of newly-developed gadolinium compound/silica coreâ€“shell particles. Journal of Sol-Gel Science and Technology, 2011, 59, 650-657.	2.4	17
59	In-vivo fluorescence imaging technique using colloid solution of multiple quantum dots/silica/poly(ethylene glycol) nanoparticles. Journal of Sol-Gel Science and Technology, 2013, 66, 31-37.	2.4	17
60	Chemistry of Ca(OH)2Leaching on Mineral Matter Removal from Coal. Energy & Fuels, 1996, 10, 386-391.	5.1	16
61	Fabrication of sub-micrometer-sized jingle bell-shaped hollow spheres from multilayered coreâ€“shell particles. Journal of Colloid and Interface Science, 2004, 279, 281-283.	9.4	16
62	Seeding technique for lowering temperature during synthesis of Î±-alumina. Journal of Asian Ceramic Societies, 2015, 3, 139-143.	2.3	16
63	Synthesis of Silica Particles in the Hydrolysis of Tetraethyl Orthosilicate with Amine Catalysts. Journal of Chemical Engineering of Japan, 2004, 37, 905-907.	0.6	15
64	Photoluminescence of CdSe and CdSe/CdOÂ·nH2O core/shell nanoparticles prepared in aqueous solution. Optical Materials, 2007, 29, 1048-1054.	3.6	15
65	A durable PtRu/C catalyst with a thin protective layer for direct methanol fuel cells. Journal of Colloid and Interface Science, 2010, 351, 580-583.	9.4	15
66	Microstructure of metallic copper nanoparticles/metallic disc interface in metalâ€“metal bonding using them. Surface and Interface Analysis, 2013, 45, 1424-1428.	1.8	15
67	Synthesis of a colloid solution of silica-coated gold nanoparticles for X-ray imaging applications. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	15
68	Fabrication of quantum dot/silica coreâ€“shell particles immobilizing Au nanoparticles and their dual imaging functions. Applied Nanoscience (Switzerland), 2016, 6, 301-307.	3.1	15
69	Low Temperature Processing of Crystalline Lead Zirconate Titanate (PZT) Film and the Direct Micropatterning by Laser-Induced Pyrolysis of a Sol-Gel-Derived Film. Japanese Journal of Applied Physics, 2003, 42, L843-L845.	1.5	14
70	Synthesis of Silica-Coated AgI Nanoparticles and Immobilization of Proteins on Them. Journal of Nanoscience and Nanotechnology, 2010, 10, 7758-7761.	0.9	14
71	Direct Silica-Coating of Quantum Dots. Journal of Chemical Engineering of Japan, 2010, 43, 490-493.	0.6	13
72	Fabrication of Mono- and Multi-Layers of Submicron-Sized Spheres by a Dip-Coating Technique and Their Transmittance Property. Journal of Chemical Engineering of Japan, 2004, 37, 614-621.	0.6	12

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73	Synthesis of Ptâ€“Ru nanoparticles with a bifunctional stabilizer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 273, 97-100.	4.7	12
74	Preparation of Au/silica/poly(ethylene glycol) nanoparticle colloid solution and its use in x-ray imaging process. Nanocomposites, 2015, 1, 83-88.	4.2	12
75	Stabilization of Size-Controlled BaTiO₃ Nanocubes via Precise Solvothermal Crystal Growth and Their Anomalous Surface Compositional Reconstruction. ACS Omega, 2021, 6, 9410-9425.	3.5	12
76	Silica coating of Coâ€“Pt alloy nanoparticles prepared in the presence of poly(vinylpyrrolidone). Journal of Nanoparticle Research, 2009, 11, 1787-1794.	1.9	11
77	Preparation of silica-coated AgI nanoparticles by an amine-free process and their X-ray imaging properties. Journal of the Ceramic Society of Japan, 2011, 119, 397-401.	1.1	11
78	Fabrication and fluorescence properties of multilayered coreâ€“shell particles composed of quantum dot, gadolinium compound, and silica. Journal of Materials Science, 2012, 47, 1852-1859.	3.7	11
79	Preparation of Gd Complex-Immobilized Silica Particles and Their Application to MRI. ISRN Nanotechnology, 2013, 2013, 1-6.	1.3	11
80	Preparation of high-concentration colloidal solution of silica-coated gold nanoparticles and their application to X-ray imaging. Journal of Sol-Gel Science and Technology, 2016, 78, 82-90.	2.4	11
81	Fabrication of silica-coated gold nanorods and investigation of their property of photothermal conversion. Biochemical and Biophysical Research Communications, 2017, 484, 318-322.	2.1	11
82	Quantitative analyses of amount and localization of radiosensitizer gold nanoparticles interacting with cancer cells to optimize radiation therapy. Biochemical and Biophysical Research Communications, 2019, 508, 1093-1100.	2.1	11
83	Preparation of a Î³-Alumina Film Doped with Fine Î³-Iron(III) Oxide Particles. Chemistry of Materials, 1997, 9, 1887-1892.	6.7	10
84	Preparation of Silica-Coated Quantum Dot Nanoparticle Colloid Solutions and Their Application in <i>in-vivo</i> Fluorescence Imaging. Journal of Chemical Engineering of Japan, 2015, 48, 112-117.	0.6	10
85	Preparation of silica-coated gadolinium compound particle colloid solution and its application in imaging. Advances in Nano Research, 2013, 1, 159-169.	0.9	10
86	Fabrication and dielectric properties of barium strontium titanate nano-particles/amorphous lead zirconate titanate composite thin film. Thin Solid Films, 2005, 485, 22-26.	1.8	9
87	Direct Drawing of Submicrom Wiring By Laser-Induced Pyrolysis of Film Prepared from Liquid-Dispersed Metal Nanoparticles. Molecular Crystals and Liquid Crystals, 2007, 464, 161/[743]-167/[749].	0.9	9
88	Development of Silica-Coated Silver Iodide Nanoparticles and Their Biodistribution. Tohoku Journal of Experimental Medicine, 2012, 228, 317-323.	1.2	9
89	Fabrication of TiO2/Pt coreâ€“shell particles by electroless metal plating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 448, 88-92.	4.7	9
90	Effects of raw materials on NaNbO₃ nanocube synthesis via the solvothermal method. Journal of Asian Ceramic Societies, 2019, 7, 36-41.	2.3	9

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91	Synthesis of metallic copper nanoparticles in aqueous solution by surfactant-free reduction and silica coating. Chemical Papers, 2020, 74, 2813-2820.	2.2	9
92	Preparation of AgI/Silica/Poly(Ethylene Glycol) Nanoparticle Colloid Solution and X-Ray Imaging Using It. ISRN Nanomaterials, 2013, 2013, 1-5.	0.7	9
93	X-Ray Imaging Technique Using Colloid Solution of AgI/Silica/Poly(ethylene glycol) Nanoparticles. Materials Focus, 2012, 1, 127-130.	0.4	9
94	Characterization of Multi-Walled Carbon Nanotube-Supported Pt Catalyst Prepared by Metal Nanocolloidal Solution for a Polymer Electrolyte Fuel Cell Catalyst. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2011, 62, 179-183.	0.2	8
95	Low temperature fabrication of barium titanate hybrid films and their dielectric properties. Thin Solid Films, 2011, 519, 1971-1975.	1.8	8
96	Fabrication of hollow particles composed of silica containing gadolinium compound and magnetic resonance imaging using them. Journal of Nanostructure in Chemistry, 2013, 3, 1.	9.1	8
97	Fabrication of barium titanate nanoparticles/poly (methylmethacrylate) composite films by a combination of deposition process and spin-coating technique. Journal of Materials Research and Technology, 2014, 3, 290-295.	5.8	8
98	Effect of silica-coating on crystal structure and magnetic properties of metallic nickel particles. Advanced Powder Technology, 2021, 32, 4177-4185.	4.1	8
99	STRONG LUMINESCING CdSe NANOPARTICLES BY SURFACE MODIFICATION WITH CADMIUM (II) HYDROUS OXIDE. International Journal of Modern Physics B, 2005, 19, 2835-2840.	2.0	7
100	Direct Coating of Particles by a Liquid Phase Process. Current Nanoscience, 2007, 3, 222-240.	1.2	7
101	Fabrication of transparent self-supporting alumina films by homogeneous precipitation process. Journal of the Ceramic Society of Japan, 2013, 121, 494-497.	1.1	7
102	Fabrication of silica/platinum core-shell particles by electroless metal plating. Advanced Powder Technology, 2019, 30, 829-834.	4.1	7
103	Development of composite nanoparticles composed of silica-coated nanorods and single nanometer-sized gold particles toward a novel X-ray contrast agent. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114716.	3.5	7
104	Preparation and properties of silica-coated metallic nickel particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127524.	4.7	7
105	Development of methods for fabricating nanoparticles composed of magnetite, gold, and silica toward diagnostic imaging. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 643, 128773.	4.7	7
106	Fabrication of Sub-Micron Sized Titania Hollow Spheres. Journal of Chemical Engineering of Japan, 2004, 37, 912-914.	0.6	6
107	Low Temperature Synthesis of Î±-Alumina with a Seeding Technique. , 2013, 2013, 1-5.		6
108	Fabrication of Î±-alumina by a combination of a hydrothermal process and a seeding technique. Functional Materials Letters, 2018, 11, 1850042.	1.2	6

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109	Solvothermal synthesis and morphology control of NaNbO3 nanocubes using a reaction medium of water and/or methanol. Journal of Asian Ceramic Societies, 2019, 7, 544-550.	2.3	6
110	Development of X-ray contrast agents using single nanometer-sized gold nanoparticles and lactoferrin complex and their application in vascular imaging. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111732.	5.0	6
111	Preparation of lead zirconate titanate thin films with a combination of self-assembly and spin-coating techniques. Thin Solid Films, 2004, 457, 264-269.	1.8	5
112	Silica-coating of fluorescent polystyrene microspheres by a modified StÃ¶ber method and their stability against photobleaching. E-Polymers, 2005, 5, .	3.0	5
113	Influence of Different Parameters on the Particle and Crystallite Sizes of Barium Titanate Prepared by an Alkoxide Sol-Gel Method. Journal of the Ceramic Society of Japan, 2007, 115, 661-666.	1.1	5
114	Measuring method for flow rate distribution between cells in a polymer electrolyte fuel cell stack. Journal of Power Sources, 2010, 195, 5971-5974.	7.8	5
115	Luminescence enhancement of Eu-doped amorphous barium titanate films with crystalline BaTiO3 nanoparticle incorporation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 409, 94-97.	4.7	5
116	Metal-Metal Bonding Properties of Copper Oxide Nanoparticles. E-Journal of Surface Science and Nanotechnology, 2014, 12, 105-108.	0.4	5
117	Low-Temperature Metal^|^#8211;Metal Bonding Process Using Leaf-Like Aggregates Composed of CuO Nanoparticles. Journal of Chemical Engineering of Japan, 2015, 48, 1-6.	0.6	5
118	Synthesis of metallic zinc nanoparticles by electrolysis. Applied Nanoscience (Switzerland), 2020, 10, 3457-3464.	3.1	5
119	Optimizing TiO₂ through Water-Soluble Ti Complexes as Raw Material for Controlling Particle Size and Distribution of Synthesized BaTiO₃ Nanocubes. ACS Omega, 2021, 6, 32517-32527.	3.5	5
120	Preparation of Aqueous Gold Colloid by Vapor Deposition Method. Journal of Colloid and Interface Science, 1997, 185, 285-286.	9.4	4
121	Direct micropatterning of high dielectric BaTiO3 films by laser-induced pyrolysis with a nano-crystalline seeding technique. Applied Surface Science, 2007, 253, 5293-5301.	6.1	4
122	Preparation and Properties of Silica-Coated AgI Nanoparticles with a Modified Stober Method. Materials Research Society Symposia Proceedings, 2008, 1074, 1.	0.1	4
123	Direct Immobilization of Gadolinium Complex on Silica Particles and Their MRI Properties. E-Journal of Surface Science and Nanotechnology, 2015, 13, 42-46.	0.4	4
124	In situobservation of water in a fuel cell catalyst using scanning electron microscopy. Microscopy (Oxford, England), 2015, 64, 87-96.	1.5	4
125	Fabrication of ITO particles using a combination of a homogeneous precipitation method and a seeding technique and their electrical conductivity. Journal of Asian Ceramic Societies, 2015, 3, 266-270.	2.3	4
126	Metalâ€“metal bonding process using cuprous oxide nanoparticles. Journal of Materials Research and Technology, 2016, 5, 345-352.	5.8	4

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127	Effect of peptiser species on crystallisation of alumina gel produced by solâ€“gel process. Advances in Applied Ceramics, 2017, 116, 248-253.	1.1	4
128	Synthesis on aggregation of colloidal solutions of ICG-active silica nanoparticles and their application in inâ€vivo fluorescence imaging. Materials Chemistry and Physics, 2018, 220, 201-207.	4.0	4
129	Silica-coating of quantum nanorods by a solâ€“gel process and their photo-bleaching properties. Journal of Sol-Gel Science and Technology, 2018, 86, 773-781.	2.4	4
130	Preparation of high-concentration colloid solutions of metallic copper particles and their use in metalâ€“metal bonding processes. SN Applied Sciences, 2019, 1, 1.	2.9	4
131	Electrolytic synthesis of metallic zinc nanoparticles. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	4
132	Photoluminescence of Fine Semiconductor (CdS, CdSe, Ge) Particle-Doped Films Prepared by a Mutual Counter Diffusion Method and a Sol-Gel Process. Journal of the Ceramic Society of Japan, 1993, 101, 69-72.	1.3	3
133	Preparation of Palladium Catalysts by Pretreatment Steps in Electroless Plating toward Partial Oxidation of Methanol with Steam Reforming. Journal of the Ceramic Society of Japan, 2006, 114, 654-656.	1.3	3
134	Synthesis of High Concentration Colloid Solution of Silica-Coated AgI Nanoparticles. Journal of Nanoscience and Nanotechnology, 2012, 12, 6741-6745.	0.9	3
135	Interfacial Nanostructure of the Polymer Electrolyte Fuel Cell Catalyst Layer Constructed with Different Ionomer Contents. Japanese Journal of Applied Physics, 2013, 52, 06GD06.	1.5	3
136	Effects of Seeding with Nanocrystallites and Addition of Inorganic Alumina Sol on Crystallization of Alkoxide Alumina Gel. Key Engineering Materials, 0, 697, 12-17.	0.4	3
137	Synthesis of nanoparticles composed of silver and copper for metalâ€“metal bonding. Materials Science and Technology, 2017, 33, 1618-1625.	1.6	3
138	Fabrication of Monodispersed, Multilayered Silica-Y:Eu-Silica Core-Shell Particles and Their Photonic Crystals. Journal of Chemical Engineering of Japan, 2009, 42, 47-50.	0.6	3
139	Controlled oxidation of metallic copper nanoparticles by a silica coating. Inorganic and Nano-Metal Chemistry, 0, , 1-11.	1.6	3
140	Preferred test conditions for measuring flow rate distribution between cells in a polymer electrolyte fuel cell stack. Journal of Power Sources, 2011, 196, 8173-8179.	7.8	2
141	Fabrication of nitrogen-doped titanium oxide/silica coreâ€“shell particles and their electrical conductivity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 457, 244-249.	4.7	2
142	Fabrication and dual imaging properties of quantum dot/silica core-shell particles immobilized with gold nanoparticles. Materials Technology, 2018, 33, 737-747.	3.0	2
143	Fabrication and dual-modal imaging properties of quantum dot/silica core-shell particles with immobilized single-nanometer-sized gold nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 574, 162-170.	4.7	2
144	Fabrication and fluorescence imaging properties of indocyanine green-loaded poly(lactic-co-glycolic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	2

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145	Improvement of Photo-Properties of Rhodamine 6G Doped Alumina Film by Addition of Dispersing Agents.. Hyomen Kagaku, 1991, 12, 339-341.	0.0	2
146	Fabrication of a sugar-immobilized fluorescent PMMA shell on a Ni core particle via soap-free emulsion polymerization. Colloid and Polymer Science, 2022, 300, 213-221.	2.1	2
147	Low-Temperature Synthesis and Dielectric Properties of Single-Phase Lead Zirconate Titanate Thin Film with a Nano Particle Seeding Technique. Materials Research Society Symposia Proceedings, 2003, 784, 3321.	0.1	1
148	Preparation of fluorescent polymer particles by emulsion polymerization. E-Polymers, 2005, 5, .	3.0	1
149	Preparation of Activated-Carbon-Supported Iron Oxide by Homogeneous Precipitation Technique. Journal of Chemical Engineering of Japan, 2011, 44, 943-948.	0.6	1
150	Stabilization of silica-coated silver iodide nanoparticles by ethanol-washing. Pigment and Resin Technology, 2016, 45, 99-105.	0.9	1
151	CaF₂ Nanocrystals Synthesis That Have a Unique Shape. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 202-206.	0.2	1
152	Au nanoparticles coated with chitosan. Colloid and Polymer Science, 2019, 297, 1143-1148.	2.1	1
153	Silica coating of indium phosphide nanoparticles by a solâ€“gel method and their photobleaching properties. SN Applied Sciences, 2019, 1, 1.	2.9	1
154	Fabrication of metallic copper nanoparticles by utilizing a difference in standard electrode potential. Chemical Papers, 0, , 1.	2.2	1
155	Sonochemical Preparation of Gold Nanoparticles: Comparison with the Thermal Reduction System. Journal of Chemical Engineering of Japan, 2007, 40, 847-853.	0.6	1
156	Fabrication of BaTiO3 Micropatterns by a Combination of Laser-Induced Pyrolysis Method and Nano-Crystalline Seeding Technique and Their Dielectric Properties. Journal of Chemical Engineering of Japan, 2010, 43, 132-139.	0.6	1
157	Structural Transformation of Template-Synthesized Mesoporous Silica with Addition of Chloroform. Journal of the Ceramic Society of Japan, 2004, 112, 347-349.	1.3	0
158	Electrorheological Response of Silicone Oil Suspension of Barium Strontium Titanate Particles with Different Surface Compositions. Nihon Reoroji Gakkaishi, 2005, 33, 285-287.	1.0	0
159	GENERATION OF NANOSIZED SILVER-IODIDE BEADS FOR MEDICAL APPLICATION. , 2006, , .		0
160	Deposition of magnetite on AgI-silica core-shell particles by homogeneous precipitation method. , 2011, , .		0
161	The effect of the Relationship between Ionomer and Carbon in the PEFC Catalyst Layer. ECS Meeting Abstracts, 2012, , .	0.0	0
162	Electron Microscopy Observations of the Au Nanorods and Au Nanorod/SiO₂ Nanocapsules. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2019, 66, 210-214.	0.2	0

#	Article	IF	Citations
163	Synthesis of Metallic Zinc Nanoparticles by Reduction of Zinc Ions in Protonic Solvent. Journal of Metastable and Nanocrystalline Materials, 0, 33, 39-45.	0.1	0
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