

Tetsu Yonezawa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

198
papers

5,616
citations

34
h-index

68
g-index

214
ext. papers

6,302
ext. citations

4.1
avg, IF

6.01
L-index

#	Paper	IF	Citations
198	Alginate-Stabilized Gold Nanoparticles Prepared Using the Microwave-Induced Plasma-in-Liquid Process with Long-Term Storage Stability for Potential Biomedical Applications.. <i>ACS Omega</i> , 2022 , 7, 6238-6247	3.9	1
197	Recent advances in oxygen electrocatalysts based on tunable structural polymers. <i>Materials Today Chemistry</i> , 2022 , 23, 100632	6.2	5
196	Benchmarking superfast electrodeposited bimetallic (Ni, Fe, Co, and Cu) hydroxides for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161738	5.7	7
195	Anisotropic Growth of Copper Nanorods Mediated by Cl Ions.. <i>ACS Omega</i> , 2022 , 7, 7414-7420	3.9	
194	Control of nanoparticles synthesized vacuum sputter deposition onto liquids: a review.. <i>Soft Matter</i> , 2021 , 18, 19-47	3.6	1
193	Surface Menshutkin S2 Reaction on Basic Gold Clusters Provides Novel Opportunities for the Cationization and Functionalization of Molecular Metal Clusters. <i>Journal of Physical Chemistry Letters</i> , 2021 , 11761-11765	6.4	0
192	THz wave emission from the Cu2O/Cu interface under femtosecond laser irradiation. <i>Applied Physics Express</i> , 2021 , 14, 012006	2.4	0
191	Pt/Ag Solid Solution Alloy Nanoparticles in Miscibility Gaps Synthesized by Cosputtering onto Liquid Polymers. <i>Langmuir</i> , 2021 , 37, 6096-6105	4	3
190	Impact of Binder Functional Groups on Controlling Chemical Reactions to Improve Stability of Rechargeable Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7138-7147	6.1	5
189	Micro- and nano-encapsulated metal and alloy-based phase-change materials for thermal energy storage. <i>Nanoscale Advances</i> , 2021 , 3, 4626-4645	5.1	3
188	Direct Imaging of Individual Organic Molecules in Supramolecular Assembly Strongly Fixed via Multivalent Electrostatic Interactions. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 4917-4923	3.8	1
187	Highly stable rechargeable zinc-ion battery using dimethyl sulfoxide electrolyte. <i>Materials Today Energy</i> , 2021 , 21, 100738	7	16
186	A durable rechargeable zinc-air battery via self-supported MnOx-S air electrode. <i>Journal of Alloys and Compounds</i> , 2021 , 883, 160935	5.7	8
185	Binder-Free MnO Nanowires on Carbon Cloth as Cathode Material for Zinc-ion Batteries. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
184	High-Capacity Dual-Electrolyte Aluminum-Air Battery with Circulating Methanol Anolyte. <i>Energies</i> , 2020 , 13, 2275	3.1	13
183	Synthesis of Au@CuO Core-Shell Nanoparticles with Tunable Shell Thickness and Their Degradation Mechanism in Aqueous Solutions. <i>Langmuir</i> , 2020 , 36, 3386-3392	4	10
182	Highly Correlated Size and Composition of Pt/Au Alloy Nanoparticles via Magnetron Sputtering onto Liquid. <i>Langmuir</i> , 2020 , 36, 3004-3015	4	9

181	THz Wave Emission from ZnTe Nano-colloidal Aqueous Dispersion Irradiated by Femtosecond Laser. <i>Chemistry Letters</i> , 2020 , 49, 597-600	1.7	1
180	Silver Decorated Reduced Graphene Oxide as Electrocatalyst for Zinc-Air Batteries. <i>Energies</i> , 2020 , 13, 462	3.1	16
179	Synthesis of composition-tunable Pd-Cu alloy nanoparticles by double target sputtering. <i>New Journal of Chemistry</i> , 2020 , 44, 4704-4712	3.6	7
178	In situ TEM observation of liquid-state Sn nanoparticles vanishing in a SiO ₂ structure: a potential synthetic tool for controllable morphology evolution from core-shell to yolk-shell and hollow structures. <i>Nanoscale Advances</i> , 2020 , 2, 1456-1464	5.1	1
177	Binder-Free Centimeter-Long V ₂ O ₅ Nanofibers on Carbon Cloth as Cathode Material for Zinc-Ion Batteries. <i>Energies</i> , 2020 , 13, 31	3.1	28
176	Enhanced Cycling Performance of Rechargeable Zinc-Air Flow Batteries Using Potassium Persulfate as Electrolyte Additive. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
175	Giant Enhancement of THz Wave Emission under Double-Pulse Excitation of Thin Water Flow. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2031	2.6	5
174	Distinctive stability of a free-standing monolayer clay mineral nanosheet via transmission electron microscopy. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25095-25102	3.6	3
173	MnO Heterostructure on Carbon Nanotubes as Cathode Material for Aqueous Zinc-Ion Batteries. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	18
172	Ethylene Glycol/Ethanol Anolyte for High Capacity Alkaline Aluminum-Air Battery With Dual-Electrolyte Configuration. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	7
171	Surfactant-stabilized copper particles for low-temperature sintering: Paste preparation using a milling with small zirconia beads: Effect of pre-treatment with the disperse medium. <i>Advanced Powder Technology</i> , 2020 , 31, 4570-4575	4.6	3
170	Synergistic Effect of the Oleic Acid and Oleylamine Mixed-Liquid Matrix on Particle Size and Stability of Sputtered Metal Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18167-18176	8.3	5
169	Atomic-Scale Imaging of a Free-Standing Monolayer Clay Mineral Nanosheet Using Scanning Transmission Electron Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3357-3361	6.4	3
168	Green Synthesis of Size-Tunable Iron Oxides and Iron Nanoparticles in a Salt Matrix. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17697-17705	8.3	10
167	Monitor the Growth and Oxidation of Cu-nanoparticles in PEG after Sputtering. <i>MRS Advances</i> , 2019 , 4, 305-309	0.7	7
166	EMnO nanoflower/graphite cathode for rechargeable aqueous zinc ion batteries. <i>Scientific Reports</i> , 2019 , 9, 8441	4.9	75
165	Electrochemical exploration of the effects of calcination temperature of a mesoporous zinc vanadate anode material on the performance of Na-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2653-2659	6.8	10
164	Preparation and Growth Mechanism of Pt/Cu Alloy Nanoparticles by Sputter Deposition onto a Liquid Polymer. <i>Langmuir</i> , 2019 , 35, 8418-8427	4	11

163	Size-Tunable Alumina-Encapsulated Sn-Based Phase Change Materials for Thermal Energy Storage. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3752-3760	5.6	17
162	Porous ZnV2O4 Nanowire for Stable and High-Rate Lithium-Ion Battery Anodes. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4247-4256	5.6	26
161	Super Polycationic Molecular Compounds: Au ₁₄₄ (SR ⁺) ₆₀ Clusters. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21768-21773	3.8	1
160	High Aspect Ratio and Post-Processing Free Silver Nanowires as Top Electrodes for Inverted-Structured Photodiodes. <i>ACS Omega</i> , 2019 , 4, 13303-13308	3.9	10
159	Basic [Au (SCH CH Py)] ⁺ Na Clusters: Synthesis, Layered Crystallographic Arrangement, and Unique Surface Protonation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13411-13415	16.4	9
158	Synthesis of Sn/Ag-Sn nanoparticles room temperature galvanic reaction and diffusion.. <i>RSC Advances</i> , 2019 , 9, 21786-21792	3.7	6
157	Basic [Au ₂₅ (SCH ₂ CH ₂ Py) ₁₈] ⁺ Na ⁺ Clusters: Synthesis, Layered Crystallographic Arrangement, and Unique Surface Protonation. <i>Angewandte Chemie</i> , 2019 , 131, 13545-13549	3.6	2
156	Sintering Copper Nanoparticles with Photonic Additive for Printed Conductive Patterns by Intense Pulsed Light. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
155	Size-controlled Preparation of Alkylamine-stabilized Copper Fine Particles from Cupric Oxide (CuO) Micro-particles. <i>MRS Advances</i> , 2019 , 4, 413-418	0.7	3
154	Annealing induced a well-ordered single crystal EMnO and its electrochemical performance in zinc-ion battery. <i>Scientific Reports</i> , 2019 , 9, 15107	4.9	18
153	Dispersion of Copper Fine Particles for Conductive Inks and Pastes. <i>Journal of the Japan Society of Colour Material</i> , 2019 , 92, 205-209	0	
152	The Influence of Dimethyl Sulfoxide as Electrolyte Additive on Anodic Dissolution of Alkaline Zinc-Air Flow Battery. <i>Scientific Reports</i> , 2019 , 9, 14958	4.9	48
151	Ligand free green plasma-in-liquid synthesis of Au/Ag alloy nanoparticles. <i>New Journal of Chemistry</i> , 2018 , 42, 5680-5687	3.6	10
150	ZnV ₂ O ₄ : A potential anode material for sodium-ion batteries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 88, 161-168	5.3	19
149	Sub-2 nm Single-Crystal Pt Nanoparticles via Sputtering onto a Liquid Polymer. <i>Langmuir</i> , 2018 , 34, 2876-2881	4.8	14
148	l-Arginine-Stabilized Highly Uniform Ag Nanoparticles Prepared in a Microwave-Induced Plasma-in-Liquid Process (MWPLP). <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 362-367	5.1	8
147	Sputter Deposition toward Short Cationic Thiolated Fluorescent Gold Nanoclusters: Investigation of Their Unique Structural and Photophysical Characteristics Using High-Performance Liquid Chromatography. <i>Langmuir</i> , 2018 , 34, 4024-4030	4	6
146	Sn Nanoparticles Confined in Porous Silica Spheres for Enhanced Thermal Cyclic Stability. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4073-4082	5.6	10

145	Preparation of Ag nanoparticles using hydrogen peroxide as a reducing agent. <i>New Journal of Chemistry</i> , 2018 , 42, 14493-14501	3.6	19
144	Kinetics of Cationic-Ligand-Exchange Reactions in Au ₂₅ Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18142-18150	3.8	19
143	Copper conductive patterns through spray-pyrolysis of copper-diethanolamine complex solution. <i>PLoS ONE</i> , 2018 , 13, e0200084	3.7	1
142	Preparation of Metal Nanoparticles and Their Application for Materials 2018 , 829-837		2
141	Ultrarapid Cationization of Gold Nanoparticles via a Single-Step Ligand Exchange Reaction. <i>Langmuir</i> , 2018 , 34, 10668-10672	4	6
140	Ethanol as an electrolyte additive for alkaline zinc-air flow batteries. <i>Scientific Reports</i> , 2018 , 8, 11273	4.9	45
139	Sn Nanorods with Active (001) Tip Induced LiF-Rich SEI Layer for Stable Anode Material in Lithium Ion Battery. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3509-3519	5.6	21
138	Electrochemical properties of novel FeVO as an anode for Na-ion batteries. <i>Scientific Reports</i> , 2018 , 8, 8839	4.9	16
137	Development of New Metal Latent Heat Storage System. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2018 , 26, 140-144	0	
136	Surface Design and Functional Prediction of Inorganic Nanoparticles for Electronic Material Applications. <i>Journal of the Society of Powder Technology, Japan</i> , 2018 , 55, 325-333	0.3	
135	Discharge Performance of Zinc-Air Flow Batteries Under the Effects of Sodium Dodecyl Sulfate and Pluronic F-127. <i>Scientific Reports</i> , 2018 , 8, 14909	4.9	57
134	Sputtering onto a liquid: interesting physical preparation method for multi-metallic nanoparticles. <i>Science and Technology of Advanced Materials</i> , 2018 , 19, 883-898	7.1	43
133	Enhancement of X-ray emission from nanocolloidal gold suspensions under double-pulse excitation. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2609-2617	3	8
132	Copper ion production using zeolite and application to MALDI MS of small molecules. <i>International Journal of Mass Spectrometry</i> , 2018 , 434, 179-184	1.9	2
131	Microwave-Induced Plasma-In-Liquid Process for Nanoparticle Production. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 1781-1798	5.1	30
130	Yttrium (III) Recovery with D2EHPA in Pseudo-Emulsion Hollow Fiber Strip Dispersion System. <i>Scientific Reports</i> , 2018 , 8, 7627	4.9	17
129	Water-dispersible fluorescent silver nanoparticles via sputtering deposition over liquid polymer using a very short thiol ligand. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 518, 25-29	5.1	16
128	Charge Neutralization Strategy: A Novel Synthetic Approach to Fully Cationized Thiolate-Protected Au ₂₅ (SR) ⁺ ₁₈ Clusters with Atomic Precision. <i>ChemNanoMat</i> , 2017 , 3, 298-302	3.5	7

127	TiO ₂ nanotube array with multi-layered wall structure and its vulnerability to water. <i>Functional Materials Letters</i> , 2017 , 10, 1750019	1.2	1
126	Effect of H ₂ O ₂ on Au nanoparticle preparation using microwave-induced plasma in liquid. <i>Materials Chemistry and Physics</i> , 2017 , 193, 7-12	4.4	14
125	Preparation of Au/Pd Bimetallic Nanoparticles by a Microwave-Induced Plasma in Liquid Process. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 279-285	5.1	27
124	Stabilization of the thermal decomposition process of self-reducible copper ion ink for direct printed conductive patterns. <i>RSC Advances</i> , 2017 , 7, 25095-25100	3.7	15
123	Synthesis of cationically charged photoluminescent coinage metal nanoclusters by sputtering over a liquid polymer matrix. <i>New Journal of Chemistry</i> , 2017 , 41, 6828-6833	3.6	10
122	Particle size tuning in scalable synthesis of anti-oxidized copper fine particles by polypeptide molecular weights. <i>Advanced Powder Technology</i> , 2017 , 28, 1966-1971	4.6	6
121	Effect of decomposition and organic residues on resistivity of copper films fabricated via low-temperature sintering of complex particle mixed dispersions. <i>Scientific Reports</i> , 2017 , 7, 45150	4.9	21
120	Use of decomposable polymer-coated submicron Cu particles with effective additive for production of highly conductive Cu films at low sintering temperature. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1033-1041	7.1	22
119	Au/Cu Bimetallic Nanoparticles via Double-Target Sputtering onto a Liquid Polymer. <i>Langmuir</i> , 2017 , 33, 12389-12397	4	26
118	Small Nanosized Oxygen-Deficient Tungsten Oxide Particles: Mechanistic Investigation with Controlled Plasma Generation in Water for Their Preparation. <i>ACS Omega</i> , 2017 , 2, 5104-5110	3.9	8
117	Effects of Additives on the Preparation of Ag Nanoparticles Using the Microwave-Induced Plasma in Liquid Process. <i>ChemistrySelect</i> , 2017 , 2, 7873-7879	1.8	9
116	Structural Control Parameters for Formation of Single-Crystalline Sn Nanorods in Organic Phase. <i>Crystal Growth and Design</i> , 2017 , 17, 4554-4562	3.5	11
115	Synthesis of Positively Charged Photoluminescent Bimetallic Au-Ag Nanoclusters by Double-Target Sputtering Method on a Biocompatible Polymer Matrix. <i>Langmuir</i> , 2017 , 33, 9144-9150	4	23
114	Real-Space Investigation of Energy Transfer through Electron Tomography. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 28395-28402	3.8	4
113	Matrix Sputtering Method: A Novel Physical Approach for Photoluminescent Noble Metal Nanoclusters. <i>Accounts of Chemical Research</i> , 2017 , 50, 2986-2995	24.3	40
112	Photoacoustic signal enhancements from gold nano-colloidal suspensions excited by a pair of time-delayed femtosecond pulses. <i>Optics Express</i> , 2017 , 25, 19497-19507	3.3	9
111	Preparation of Metal Nanoparticles by Microwave-Induced Plasma in Liquid. <i>Journal of Smart Processing</i> , 2017 , 6, 166-170	0.2	
110	Femtosecond laser-induced hard X-ray generation in air from a solution flow of Au nano-sphere suspension using an automatic positioning system. <i>Optics Express</i> , 2016 , 24, 19994-20001	3.3	9

109	Understanding the primary and secondary aggregation states of sputtered silver nanoparticles in thiolate matrix and their immobilization in resin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 504, 437-441	5.1	10
108	Titanium oxide nanoparticle dispersions in a liquid monomer and solid polymer resins prepared by sputtering. <i>New Journal of Chemistry</i> , 2016 , 40, 9337-9343	3.6	7
107	Surface-Assisted Laser Desorption Ionization Mass Spectrometry (SALDI-MS) of Low-Molecular-Weight Medicines and Toxic Materials Using Commercial TiO ₂ Nanoparticles. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 346-353	5.1	8
106	Ligand Effect on the Formation of Gold Nanoparticles via Sputtering Deposition over a Liquid Matrix. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 1054-1056	5.1	18
105	Thiolate-Protected Gold Nanoparticles Via Physical Approach: Unusual Structural and Photophysical Characteristics. <i>Scientific Reports</i> , 2016 , 6, 29928	4.9	27
104	Low temperature sintering process of copper fine particles under nitrogen gas flow with Cu ²⁺ -alkanolamine metallacycle compounds for electrically conductive layer formation. <i>RSC Advances</i> , 2016 , 6, 12048-12052	3.7	38
103	Au Nanoplasma as Efficient Hard X-ray Emission Source. <i>ACS Photonics</i> , 2016 , 3, 2184-2190	6.3	20
102	Matrix Sputtering into Liquid Mercaptan: From Blue-Emitting Copper Nanoclusters to Red-Emitting Copper Sulfide Nanoclusters. <i>Langmuir</i> , 2016 , 32, 12159-12165	4	14
101	Growth of sputtered silver nanoparticles on a liquid mercaptan matrix with controlled viscosity and sputter rate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 498, 106-111	5.1	18
100	Double target sputtering into liquid: A new approach for preparation of AgAu alloy nanoparticles. <i>Materials Letters</i> , 2016 , 171, 75-78	3.3	25
99	A new approach for additive-free room temperature sintering of conductive patterns using polymer-stabilized Sn nanoparticles. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2228-2234	7.1	32
98	Hard-templating synthesis of macroporous platinum microballs (MPtM). <i>Materials Letters</i> , 2016 , 164, 488-492	3.3	6
97	Enhanced photoacoustics from gold nano-colloidal suspensions under femtosecond laser excitation. <i>Optics Express</i> , 2016 , 24, 14781-92	3.3	17
96	MHz-ultrasound generation by chirped femtosecond laser pulses from gold nano-colloidal suspensions. <i>Optics Express</i> , 2016 , 24, 17050-9	3.3	6
95	De Novo Synthesis of Gold-Nanoparticle-Embedded, Nitrogen-Doped Nanoporous Carbon Nanoparticles (Au@NC) with Enhanced Reduction Ability. <i>ChemCatChem</i> , 2016 , 8, 502-509	5.2	48
94	Photochemical Reaction in Two Dimensional Assemblies of Functional Dyes on Inorganic Nanosheets. <i>Kobunshi Ronbunshu</i> , 2016 , 73, 12-18	0	
93	Highly stable and blue-emitting copper nanocluster dispersion prepared by magnetron sputtering over liquid polymer matrix. <i>RSC Advances</i> , 2016 , 6, 105030-105034	3.7	13
92	De Novo Synthesis of Gold-Nanoparticle-Embedded, Nitrogen-Doped Nanoporous Carbon Nanoparticles (Au@NC) with Enhanced Reduction Ability. <i>ChemCatChem</i> , 2016 , 8, 475-475	5.2	1

91	Reproducible shape control of single-crystal SnO micro particles. <i>RSC Advances</i> , 2016 , 6, 26725-26733	3.7	7
90	Controlling an electrostatic repulsion by oppositely charged surfactants towards positively charged fluorescent gold nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8773-6	3.6	9
89	Fully Cationized Gold Clusters: Synthesis of Au(SR). <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3718-3722	3.7	33
88	Sputtering synthesis and optical investigation of octadecanethiol-protected fluorescent Au nanoparticles. <i>New Journal of Chemistry</i> , 2015 , 39, 5895-5897	3.6	21
87	Synthesis and fluorescence properties of a nanoisland-structured SiO _x /Cu _x O composite. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8358-8363	7.1	6
86	Formation and optical properties of fluorescent gold nanoparticles obtained by matrix sputtering method with volatile mercaptan molecules in the vacuum chamber and consideration of their structures. <i>Langmuir</i> , 2015 , 31, 4323-9	4	48
85	The mechanism of alkylamine-stabilized copper fine particles towards improving the electrical conductivity of copper films at low sintering temperature. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5890-5895 ⁴⁰	7.1	40
84	Silver sputtering into a liquid matrix containing mercaptans: the systematic size control of silver nanoparticles in single nanometer-orders. <i>New Journal of Chemistry</i> , 2015 , 39, 4227-4230	3.6	31
83	Synthesis of magnetic mesoporous titania colloidal crystals through evaporation induced self-assembly in emulsion as effective and recyclable photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 27653-7	3.6	19
82	Low-temperature nanoredox two-step sintering of gelatin nanoskin-stabilized submicrometer-sized copper fine particles for preparing highly conductive layers. <i>RSC Advances</i> , 2015 , 5, 61290-61297	3.7	22
81	Synthesis and fluorescence properties of columnar porous silicon: the influence of Cu-coating on the photoluminescence behaviour of hydrofluoric-acid-treated aged columnar porous silicon. <i>New Journal of Chemistry</i> , 2015 , 39, 6267-6273	3.6	8
80	Plasma induced tungsten doping of TiO ₂ particles for enhancement of photocatalysis under visible light. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 24556-9	3.6	19
79	Synthesis of binary solid solution Cu ₂ Bd nanoparticles by DMF reduction for enhanced photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 514-520	7.1	33
78	Proton-assisted low-temperature sintering of Cu fine particles stabilized by a proton-initiating degradable polymer. <i>RSC Advances</i> , 2015 , 5, 102904-102910	3.7	11
77	Enhanced Terahertz Emission from Cu _x O/Metal Thin Film Deposited on Columnar-Structured Porous Silicon. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 1385-1387	5.1	5
76	Effect of Glass Transition Temperature of Stabilizing Polymer of Air-Stable Gelatin-Stabilized Copper Fine Particles during Redox Two-Step Low-Temperature Sintering Process. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 1755-1759	5.1	11
75	Black TiO ₂ Nanoparticles by a Microwave-induced Plasma over Titanium Complex Aqueous Solution. <i>Chemistry Letters</i> , 2015 , 44, 1327-1329	1.7	9
74	A Novel Physical Approach for Cationic-Thiolate Protected Fluorescent Gold Nanoparticles. <i>Scientific Reports</i> , 2015 , 5, 15372	4.9	18

73	X-ray diffraction and high-resolution TEM observations of biopolymer nanoskin-covered metallic copper fine particles: preparative conditions and surface oxidation states. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 32511-6	3.6	9
72	One-pot preparation of cationic charged Pt nanoparticles by the autocatalytic hydrolysis of acetylthiocholine. <i>New Journal of Chemistry</i> , 2015 , 39, 4214-4217	3.6	6
71	Mesoporous Europium-Doped Titania Nanoparticles (Eu-MTNs) for Luminescence-Based Intracellular Bio-Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 9802-6	1.3	4
70	Selective and reactive hydration of nitriles to amides in water using silver nanoparticles stabilized by organic ligands. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	14
69	Double-wall TiO ₂ nanotube arrays: enhanced photocatalytic activity and in situ TEM observations at high temperature. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19924-32	9.5	24
68	Salmon milt DNA as a template for the mass production of Ag nanoparticles. <i>Polymer Journal</i> , 2014 , 46, 36-41	2.7	17
67	Wet Preparation of Organic-Stabilizer-Free Urchin Structured Nickel Fine Particles and Their In Situ TEM Observation at High Temperatures. <i>Materials Transactions</i> , 2014 , 55, 1474-1478	1.3	3
66	In Situ Transmission Electron Microscopic Observation of Double-wall TiO ₂ Nanotube Arrays at High Temperature. <i>Chemistry Letters</i> , 2014 , 43, 1514-1516	1.7	5
65	Overlook of Gold Nanoparticles and Other Metal Nanoparticles Containing Gold. <i>Oleoscience</i> , 2014 , 14, 11-15	0.1	
64	Copper film prepared from copper fine particle paste by laser sintering at room temperature: Influences of sintering atmosphere on the morphology and resistivity. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 096501	1.4	28
63	Terahertz emission from Cu _x O/Au thin film 2014 ,		1
62	Influence of Surface Properties on SEM Observation for Carbon Nanotubes with Pretreatment Using Room Temperature Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2014 , 43, 1645-1654	1.8	
61	SEM observation of the live morphology of human red blood cells under high vacuum conditions using a novel RTIL. <i>Surface and Interface Analysis</i> , 2014 , 46, 425-428	1.5	6
60	Direct SEM Observation of Non-electroconductive TiOF ₂ Nanotube Arrays Prepared by Anodization Using an Ionic Liquid as a Visualizing Reagent. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 239-242	3.2	9
59	Suitability of GaP nanoparticles as a surface-assisted laser desorption/ionization mass spectroscopy inorganic matrix and their soft ionization ability. <i>Analyst, The</i> , 2013 , 138, 995-9	5	9
58	Preparation of Copper Nanoparticles in Liquid by Matrix Sputtering Process. <i>Journal of Physics: Conference Series</i> , 2013 , 417, 012038	0.3	12
57	Preparation of naked silver nanoparticles in a TEM column and direct in situ observation of their structural changes at high temperature. <i>Chemical Physics Letters</i> , 2012 , 537, 65-68	2.5	16
56	Behavior of Cu nanoparticles ink under reductive calcination for fabrication of Cu conductive film. <i>Thin Solid Films</i> , 2012 , 520, 2789-2793	2.2	23

55	Fabrication of ZnO Nanorods by Atmospheric-Pressure Solid-Source CVD Using Ethanol-Assisted Low-Temperature Vaporization. <i>Bulletin of the Chemical Society of Japan</i> , 2012 , 85, 1287-1292	5.1	1
54	Change in the Morphology of the Terrace Edges on Graphite Surfaces by Electrochemical Reduction. <i>Chemistry Letters</i> , 2012 , 41, 187-188	1.7	2
53	Ultra-broad near-infrared photoluminescence from crystalline (K-crypt)2Bi2 containing [Bi2]2 ⁺ dimers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20175		24
52	Near-infrared photoluminescence from molecular crystals containing tellurium. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24792		6
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