

Tetsu Yonezawa

List of Publications by Citations

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198
papers

5,616
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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	Bimetallic nanoparticles novel materials for chemical and physical applications. <i>New Journal of Chemistry</i> , 1998 , 22, 1179-1201	3.6	1335
197	Structural analysis of polymer-protected palladium/platinum bimetallic clusters as dispersed catalysts by using extended x-ray absorption fine structure spectroscopy. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 7448-7453		285
196	Polymer-protected palladium-platinum bimetallic clusters: preparation, catalytic properties and structural considerations. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993 , 89, 2537-2543		242
195	Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Biomolecules. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 16278-16283	3.8	148
194	Mechanistic consideration of formation of polymer-protected nanoscopic bimetallic clusters. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 4111		142
193	Controlled Formation of Smaller Gold Nanoparticles by the Use of Four-Chained Disulfide Stabilizer. <i>Langmuir</i> , 2001 , 17, 271-273	4	125
192	Polymer- and micelle-protected gold/platinum bimetallic systems. Preparation, application to catalysis for visible-light-induced hydrogen evolution, and analysis of formation process with optical methods. <i>Journal of Molecular Catalysis</i> , 1993 , 83, 167-181		119
191	Colloidal Dispersions of Palladium-Platinum Bimetallic Clusters Protected by Polymers. Preparation and Application to Catalysis. <i>Chemistry Letters</i> , 1989 , 18, 1769-1772	1.7	97
190	Detailed investigation on the possibility of nanoparticles of various metal elements for surface-assisted laser desorption/ionization mass spectrometry. <i>Analytical Sciences</i> , 2009 , 25, 339-46	1.7	87
189	EMnO nanoflower/graphite cathode for rechargeable aqueous zinc ion batteries. <i>Scientific Reports</i> , 2019 , 9, 8441	4.9	75
188	Metal Coating of DNA Molecules by Cationic, Metastable Gold Nanoparticles. <i>Chemistry Letters</i> , 2002 , 31, 1172-1173	1.7	72
187	Preparation of Highly Positively Charged Silver Nanoballs and Their Stability. <i>Langmuir</i> , 2000 , 16, 5218-5220		69
186	Control over Film Thickness of SnO ₂ Ultrathin Film Selectively Deposited on a Patterned Self-Assembled Monolayer. <i>Langmuir</i> , 2002 , 18, 10379-10385	4	63
185	Synthesis of nanoparticles of silver and platinum by microwave-induced plasma in liquid. <i>Surface and Coatings Technology</i> , 2011 , 206, 955-958	4.4	60
184	Investigation of Apatite Deposition onto Charged Surfaces in Aqueous Solutions Using a Quartz-Crystal Microbalance. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 782-790	3.8	57
183	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
182	Growth of Closely Packed Layers of Gold Nanoparticles on an Aligned Ammonium Surface. <i>Advanced Materials</i> , 1998 , 10, 414-416	24	56

181	Formation of Uniform Fluorinated Gold Nanoparticles and Their Highly Ordered Hexagonally Packed Monolayer. <i>Langmuir</i> , 2001 , 17, 2291-2293	4	53
180	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
179	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
178	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
177	The preparation of copper fine particle paste and its application as the inner electrode material of a multilayered ceramic capacitor. <i>Nanotechnology</i> , 2008 , 19, 145706	3.4	47
176	Ethanol as an electrolyte additive for alkaline zinc-air flow batteries. <i>Scientific Reports</i> , 2018 , 8, 11273	4.9	45
175	Molten matrix sputtering synthesis of water-soluble luminescent Au nanoparticles with a large Stokes shift. <i>Chemical Communications</i> , 2010 , 46, 7211-3	5.8	44
174	Experimental and theoretical studies of photoluminescence from Bi ²⁺ and Bi ³⁺ stabilized by [AlCl ₄] ⁻ in molecular crystals. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12837		43
173	Preparation of optical resins containing dispersed gold nanoparticles by the matrix sputtering method. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 703-5	16.4	43
172	¹⁹⁵ Pt NMR of Polymer-Protected Pt/Pd Bimetallic Catalysts. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 730-733		43
171	The Polymer-Protected PdPt Bimetallic Clusters Having Catalytic Activity for Selective Hydrogenation of Diene. Preparation and EXAFS Investigation on the Structure. <i>Chemistry Letters</i> , 1990 , 19, 815-818	1.7	43
170	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
169	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
168	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
167	Self-Assembled One-Dimensional Arrays of GoldDendron Nanocomposites. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 12097-12100	3.4	39
166	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
165	Size-controlled oxidation-resistant copper fine particles covered by biopolymer nanoskin. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 2468-71	1.3	34
164	Synthesis of binary solid solution CuPd nanoparticles by DMF reduction for enhanced photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 514-520	7.1	33

163	Fully Cationized Gold Clusters: Synthesis of Au(SR). <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3718-3722	3.2	33
162	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
161	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
160	Synthesis and antibacterial properties of water-dispersible silver nanoparticles stabilized by metal-carbon bonds. <i>Applied Surface Science</i> , 2012 , 262, 76-80	6.7	30
159	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
158	Preparation of Zinc Oxide Nanoparticles by Using Microwave-induced Plasma in Liquid. <i>Chemistry Letters</i> , 2010 , 39, 783-785	1.7	29
157	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
156	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
155	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
154	Thiolate-Protected Gold Nanoparticles Via Physical Approach: Unusual Structural and Photophysical Characteristics. <i>Scientific Reports</i> , 2016 , 6, 29928	4.9	27
153	High temperature oxidation event of gelatin nanoskin-coated copper fine particles observed by in situ TEM. <i>AIP Advances</i> , 2012 , 2, 042113	1.5	27
152	Stabilizing structure of tertiary amine-protected rhodium colloid dispersions in chloroform. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 783		27
151	Au/Cu Bimetallic Nanoparticles via Double-Target Sputtering onto a Liquid Polymer. <i>Langmuir</i> , 2017 , 33, 12389-12397	4	26
150	Porous ZnV ₂ O ₄ Nanowire for Stable and High-Rate Lithium-Ion Battery Anodes. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4247-4256	5.6	26
149	Preparation of polymer-protected gold/platinum bimetallic clusters and their application to visible light-induced hydrogen evolution. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992 , 59, 281-295		26
148	Double target sputtering into liquid: A new approach for preparation of Ag ₂ Au alloy nanoparticles. <i>Materials Letters</i> , 2016 , 171, 75-78	3.3	25
147	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
146	Ultra-broad near-infrared photoluminescence from crystalline (K-crypt)2Bi2 containing [Bi2]2 ⁰ dimers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20175		24

145	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
144	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
143	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
142	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
141	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
140	Sputtering synthesis and optical investigation of octadecanethiol-protected fluorescent Au nanoparticles. <i>New Journal of Chemistry</i> , 2015 , 39, 5895-5897	3.6	21
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	Au Nanoplasma as Efficient Hard X-ray Emission Source. <i>ACS Photonics</i> , 2016 , 3, 2184-2190	6.3	20
137	Cationic Silver Nanoparticles Dispersed in Water Prepared from Insoluble Salts. <i>Chemistry Letters</i> , 2003 , 32, 194-195	1.7	20
136	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
135	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
134	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
133	Preparation of Ag nanoparticles using hydrogen peroxide as a reducing agent. <i>New Journal of Chemistry</i> , 2018 , 42, 14493-14501	3.6	19
132	Kinetics of Cationic-Ligand-Exchange Reactions in Au ₂₅ Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18142-18150	3.8	19
131	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
130	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
129	Annealing induced a well-ordered single crystal MnO and its electrochemical performance in zinc-ion battery. <i>Scientific Reports</i> , 2019 , 9, 15107	4.9	18
128	A Novel Physical Approach for Cationic-Thiolate Protected Fluorescent Gold Nanoparticles. <i>Scientific Reports</i> , 2015 , 5, 15372	4.9	18

127	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
126	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
125	Salmon milt DNA as a template for the mass production of Ag nanoparticles. <i>Polymer Journal</i> , 2014 , 46, 36-41	2.7	17
124	Preparation of Cationic Gold Nanoparticles and Their Monolayer Formation on an Anionic Amphiphile Layer. <i>Chemistry Letters</i> , 1999 , 28, 1061-1062	1.7	17
123	Enhanced photoacoustics from gold nano-colloidal suspensions under femtosecond laser excitation. <i>Optics Express</i> , 2016 , 24, 14781-92	3.3	17
122	Yttrium (III) Recovery with D2EHPA in Pseudo-Emulsion Hollow Fiber Strip Dispersion System. <i>Scientific Reports</i> , 2018 , 8, 7627	4.9	17
121	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
120	Silver Decorated Reduced Graphene Oxide as Electrocatalyst for Zinc-Air Batteries. <i>Energies</i> , 2020 , 13, 462	3.1	16
119	Electrochemical properties of novel FeVO as an anode for Na-ion batteries. <i>Scientific Reports</i> , 2018 , 8, 8839	4.9	16
118	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
117	Highly stable rechargeable zinc-ion battery using dimethyl sulfoxide electrolyte. <i>Materials Today Energy</i> , 2021 , 21, 100738	7	16
116	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
115	Plugging a Molecular Wire into Photosystem I: Reconstitution of the Photoelectric Conversion System on a Gold Electrode. <i>Angewandte Chemie</i> , 2009 , 121, 1613-1615	3.6	15
114	Behavior of in vitro, in vivo and internal motion of micro/nano particles of titanium, titanium oxides and others. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 1-5	1	15
113	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
112	Sub-2 nm Single-Crystal Pt Nanoparticles via Sputtering onto a Liquid Polymer. <i>Langmuir</i> , 2018 , 34, 2876-2881	4.2881	14
111	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
110	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

109	High-Capacity Dual-Electrolyte Aluminum-Air Battery with Circulating Methanol Anolyte. <i>Energies</i> , 2020 , 13, 2275	3.1	13
108	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
107	Preparation of Copper Nanoparticles in Liquid by Matrix Sputtering Process. <i>Journal of Physics: Conference Series</i> , 2013 , 417, 012038	0.3	12
106	Photosensitized Reduction of Carbon Dioxide in Solution Using Noble-Metal Clusters for Electron Transfer. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1995 , 50, 283-291	1.4	12
105	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
104	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
103	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
102	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
101	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
100	Room-temperature immobilization of gold nanoparticles on Si(111) surface and their electron behaviour. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6925-7	3.6	11
99	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
98	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
97	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
96	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
95	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
94	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
93	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
92	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

91	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
90	Detailed investigation of the reduction process of cupric oxide (CuO) to form metallic copper fine particles with a unique diameter. <i>Journal of Materials Science</i> , 2010 , 45, 6433-6439	4.3	10
89	Studies on heterogeneous degradation of polypropylene/talc composite: Effect of iron impurity on the degradation behavior. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 167-173	2.9	10
88	Highly Correlated Size and Composition of Pt/Au Alloy Nanoparticles via Magnetron Sputtering onto Liquid. <i>Langmuir</i> , 2020 , 36, 3004-3015	4	9
87	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
86	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
85	Direct SEM Observation of Non-electroconductive TiO 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
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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

73	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
72	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
71	Monitor the Growth and Oxidation of Cu-nanoparticles in PEG after Sputtering. <i>MRS Advances</i> , 2019 , 4, 305-309	0.7	7
70	Synthesis of composition-tunable PdCu alloy nanoparticles by double target sputtering. <i>New Journal of Chemistry</i> , 2020 , 44, 4704-4712	3.6	7
69	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
68	Preparation of Optical Resins Containing Dispersed Gold Nanoparticles by the Matrix Sputtering Method. <i>Angewandte Chemie</i> , 2011 , 123, 729-731	3.6	7
67	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
66	Reproducible shape control of single-crystal SnO micro particles. <i>RSC Advances</i> , 2016 , 6, 26725-26733	3.7	7
65	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
64	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
63	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
62	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
61	Hard-templating synthesis of macroporous platinum microballs (MPTM). <i>Materials Letters</i> , 2016 , 164, 488-492	3.3	6
60	Ultrarapid Cationization of Gold Nanoparticles via a Single-Step Ligand Exchange Reaction. <i>Langmuir</i> , 2018 , 34, 10668-10672	4	6
59	Synthesis of Sn/Ag-Sn nanoparticles room temperature galvanic reaction and diffusion.. <i>RSC Advances</i> , 2019 , 9, 21786-21792	3.7	6
58	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
57	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
56	Near-infrared photoluminescence from molecular crystals containing tellurium. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24792		6

55	MHz-ultrasound generation by chirped femtosecond laser pulses from gold nano-colloidal suspensions. <i>Optics Express</i> , 2016 , 24, 17050-9	3.3	6
54	Sintering Copper Nanoparticles with Photonic Additive for Printed Conductive Patterns by Intense Pulsed Light. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
53	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
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