

Yohei Ishida

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.

70
papers

1,561
citations

21
h-index

37
g-index

71
ext. papers

1,689
ext. citations

4.6
avg, IF

4.86
L-index

#	Paper	IF	Citations
70	Surface-fixation Induced Emission 2022 , 203-220		1
69	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
68	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
67	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
66	Tuning Emission Properties by Dye Encapsulation into Layered Silicates. <i>Structure and Bonding</i> , 2020 , 185-204	0.9	
65	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
64	Super Polycationic Molecular Compounds: Au ₁₄₄ (SR ⁺) ₆₀ Clusters. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21768-21773	3.8	1
63	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
62	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
61	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
60	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
59	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
58	Kinetics of Cationic-Ligand-Exchange Reactions in Au ₂₅ Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18142-18150	3.8	19
57	Ultrarapid Cationization of Gold Nanoparticles via a Single-Step Ligand Exchange Reaction. <i>Langmuir</i> , 2018 , 34, 10668-10672	4	6
56	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
55	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
54	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

53	Unique fluorescence behavior of dyes on the clay minerals surface: Surface Fixation Induced Emission (S-FIE). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 339, 67-79	4.7	39
52	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
51	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
50	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
49	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
48	Real-Space Investigation of Energy Transfer through Electron Tomography. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 28395-28402	3.8	4
47	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
46	Photoenergy Conversion. <i>Nanostructure Science and Technology</i> , 2017 , 357-371	0.9	
45	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
44	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
43	Au Nanoparticles Prepared Using a Coated Electrode in Plasma-in-Liquid Process: Effect of the Solution pH. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9257-9262	1.3	16
42	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
41	Room temperature phosphorescence from a guest molecule confined in the restrictive space of an organic-inorganic supramolecular assembly. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 959-63	4.2	7
40	Thiolate-Protected Gold Nanoparticles Via Physical Approach: Unusual Structural and Photophysical Characteristics. <i>Scientific Reports</i> , 2016 , 6, 29928	4.9	27
39	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
38	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
37	Sequential energy and electron transfer in a three-component system aligned on a clay nanosheet. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 5404-11	3.6	15
36	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

35	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
34	Photochemical Reaction in Two Dimensional Assemblies of Functional Dyes on Inorganic Nanosheets. <i>Kobunshi Ronbunshu</i> , 2016 , 73, 12-18	0	
33	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
32	Reproducible shape control of single-crystal SnO micro particles. <i>RSC Advances</i> , 2016 , 6, 26725-26733	3.7	7
31	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
30	Fully Cationized Gold Clusters: Synthesis of Au(SR). <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3718-3722	3.6	33
29	Sputtering synthesis and optical investigation of octadecanethiol-protected fluorescent Au nanoparticles. <i>New Journal of Chemistry</i> , 2015 , 39, 5895-5897	3.6	21
28	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
27	Manipulation of supramolecular 2D assembly of functional dyes toward artificial light-harvesting systems. <i>Pure and Applied Chemistry</i> , 2015 , 87, 3-14	2.1	7
26	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
25	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
24	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
23	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
22	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
21	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
20	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
19	A Novel Physical Approach for Cationic-Thiolate Protected Fluorescent Gold Nanoparticles. <i>Scientific Reports</i> , 2015 , 5, 15372	4.9	18
18	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

17	Morphology control and photocatalysis enhancement by the one-pot synthesis of carbon nitride from preorganized hydrogen-bonded supramolecular precursors. <i>Langmuir</i> , 2014 , 30, 447-51	4	148
16	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
15	Supramolecular-Surface Photochemistry: Supramolecular Assembly Organized on a Clay Surface Facilitates Energy Transfer between an Encapsulated Donor and a Free Acceptor. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10198-10203	3.8	23
14	Surface-Fixation Induced Emission of Porphyrine Dye by a Complexation with Inorganic Nanosheets. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 20466-20471	3.8	44
13	Adsorption and photochemical behaviors of the novel cationic xanthene derivative on the clay surface. <i>Tetrahedron Letters</i> , 2014 , 55, 1024-1027	2	11
12	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
11	Investigation of adsorption behavior and energy transfer of cationic porphyrins on clay surface at low loading levels by picosecond time-resolved fluorescence measurement. <i>Research on Chemical Intermediates</i> , 2013 , 39, 269-278	2.8	5
10	Size-matching effect on inorganic nanosheets: control of distance, alignment, and orientation of molecular adsorption as a bottom-up methodology for nanomaterials. <i>Langmuir</i> , 2013 , 29, 2108-19	4	121
9	Artificial Light-Harvesting Model in a Self-Assembly Composed of Cationic Dyes and Inorganic Nanosheet. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9154-9163	3.8	21
8	Efficient singlet-singlet energy transfer in a novel host-guest assembly composed of an organic cavitand, aromatic molecules, and a clay nanosheet. <i>Langmuir</i> , 2013 , 29, 1748-53	4	37
7	Regulation of the collisional self-quenching of fluorescence in clay/porphyrin complex by strong host-guest interaction. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 12065-72	2.8	31
6	The Mechanism of the Porphyrin Spectral Shift on Inorganic Nanosheets: The Molecular Flattening Induced by the Strong Host-Guest Interaction due to the Size-Matching Rule. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7879-7885	3.8	73
5	Controlling the microadsorption structure of porphyrin dye assembly on clay surfaces using the "size-matching rule" for constructing an efficient energy transfer system. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 811-6	9.5	33
4	Unique photochemical behavior of novel tetracationic pyrene derivative on the clay surface. <i>Tetrahedron Letters</i> , 2012 , 53, 5800-5802	2	16
3	Efficient excited energy transfer reaction in clay/porphyrin complex toward an artificial light-harvesting system. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14280-6	16.4	160
2	Novel methodology to control the adsorption structure of cationic porphyrins on the clay surface using the "size-matching rule". <i>Langmuir</i> , 2011 , 27, 10722-9	4	57
1	Unique solvatochromism of a membrane composed of a cationic porphyrin-clay complex. <i>Langmuir</i> , 2010 , 26, 4639-41	4	45