

Yohei Ishida

List of Publications by Year in descending order

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papers

1,848
citations

279487

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72
docs citations

72
times ranked

1937
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 14280-14286.	6.6	180
2	Morphology Control and Photocatalysis Enhancement by the One-Pot Synthesis of Carbon Nitride from Preorganized Hydrogen-Bonded Supramolecular Precursors. <i>Langmuir</i> , 2014, 30, 447-451.	1.6	167
3	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, 2108-2119.	1.6	133
4	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.	1.5	80
5	Novel Methodology To Control the Adsorption Structure of Cationic Porphyrins on the Clay Surface Using the "Size-Matching Rule". <i>Langmuir</i> , 2011, 27, 10722-10729.	1.6	63
6	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.	1.8	62
7	"Surface-Fixation Induced Emission" of Porphyrine Dye by a Complexation with Inorganic Nanosheets. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20466-20471.	1.5	51
8	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, 4323-4329.	1.6	51
9	Unique Solvatochromism of a Membrane Composed of a Cationic Porphyrin-Clay Complex. <i>Langmuir</i> , 2010, 26, 4639-4641.	1.6	50
10	Matrix Sputtering Method: A Novel Physical Approach for Photoluminescent Noble Metal Nanoclusters. <i>Accounts of Chemical Research</i> , 2017, 50, 2986-2995.	7.6	50
11	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.	2.0	48
12	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, 1748-1753.	1.6	42
13	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, 12065-12072.	1.1	41
14	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.	2.7	40
15	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, 811-816.	4.0	38
16	Fully Cationized Gold Clusters: Synthesis of Au ₂₅ (SR) ₁₈ . <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3718-3722.	2.1	38
17	Thiolate-Protected Gold Nanoparticles Via Physical Approach: Unusual Structural and Photophysical Characteristics. <i>Scientific Reports</i> , 2016, 6, 29928.	1.6	33
18	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.	1.6	33

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19	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.	1.4	32
20	Double-Wall TiO ₂ Nanotube Arrays: Enhanced Photocatalytic Activity and <i>In Situ</i> TEM Observations at High Temperature. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19924-19932.	4.0	28
21	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.	1.5	26
22	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.	1.5	24
23	Sputtering synthesis and optical investigation of octadecanethiol-protected fluorescent Au nanoparticles. <i>New Journal of Chemistry</i> , 2015, 39, 5895-5897.	1.4	24
24	Kinetics of Cationic-Ligand-Exchange Reactions in Au ₂₅ Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18142-18150.	1.5	24
25	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.	2.3	21
26	Plasma induced tungsten doping of TiO ₂ particles for enhancement of photocatalysis under visible light. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24556-24559.	1.3	20
27	Sequential energy and electron transfer in a three-component system aligned on a clay nanosheet. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5404-5411.	1.3	20
28	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.	2.3	20
29	Unique photochemical behavior of novel tetracationic pyrene derivative on the clay surface. <i>Tetrahedron Letters</i> , 2012, 53, 5800-5802.	0.7	18
30	A Novel Physical Approach for Cationic Thiolate Protected Fluorescent Gold Nanoparticles. <i>Scientific Reports</i> , 2015, 5, 15372.	1.6	18
31	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.	2.0	18
32	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.	0.9	17
33	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.	2.0	17
34	Matrix Sputtering into Liquid Mercaptan: From Blue-Emitting Copper Nanoclusters to Red-Emitting Copper Sulfide Nanoclusters. <i>Langmuir</i> , 2016, 32, 12159-12165.	1.6	16
35	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.	1.6	15
36	Adsorption and photochemical behaviors of the novel cationic xanthene derivative on the clay surface. <i>Tetrahedron Letters</i> , 2014, 55, 1024-1027.	0.7	13

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37	Highly stable and blue-emitting copper nanocluster dispersion prepared by magnetron sputtering over liquid polymer matrix. <i>RSC Advances</i> , 2016, 6, 105030-105034.	1.7	13
38	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, 959-963.	1.6	13
39	Structural Control Parameters for Formation of Single-Crystalline In_2S_3 Nanorods in Organic Phase. <i>Crystal Growth and Design</i> , 2017, 17, 4554-4562.	1.4	13
40	Ligand free green plasma-in-liquid synthesis of Au/Ag alloy nanoparticles. <i>New Journal of Chemistry</i> , 2018, 42, 5680-5687.	1.4	13
41	Proton-assisted low-temperature sintering of Cu fine particles stabilized by a proton-initiating degradable polymer. <i>RSC Advances</i> , 2015, 5, 102904-102910.	1.7	12
42	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.	1.4	12
43	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.	2.0	12
44	Basic $[\text{Au}_{25}(\text{SCH}_2\text{CH}_2\text{Py})_{18}]^+\text{Na}^+$ Clusters: Synthesis, Layered Crystallographic Arrangement, and Unique Surface Protonation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13411-13415.	7.2	12
45	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.	2.1	12
46	Controlling an electrostatic repulsion by oppositely charged surfactants towards positively charged fluorescent gold nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8773-8776.	1.3	11
47	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.	2.3	11
48	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.	1.4	11
49	Manipulation of Precise Molecular Arrangements and Their Photochemical Properties on Inorganic Surfaces via Multiple Electrostatic Interactions. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2886-2897.	2.0	11
50	Black TiO_2 Nanoparticles by a Microwave-induced Plasma over Titanium Complex Aqueous Solution. <i>Chemistry Letters</i> , 2015, 44, 1327-1329.	0.7	10
51	Manipulation of supramolecular 2D assembly of functional dyes toward artificial light-harvesting systems. <i>Pure and Applied Chemistry</i> , 2015, 87, 3-14.	0.9	10
52	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.	1.4	10
53	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.	1.6	9
54	Ultrarapid Cationization of Gold Nanoparticles via a Single-Step Ligand Exchange Reaction. <i>Langmuir</i> , 2018, 34, 10668-10672.	1.6	9

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55	Synthesis and fluorescence properties of a nanoisland-structured SiO _x /Cu _x O composite. Journal of Materials Chemistry C, 2015, 3, 8358-8363.	2.7	8
56	Reproducible shape control of single-crystal SnO micro particles. RSC Advances, 2016, 6, 26725-26733.	1.7	7
57	Charge Neutralization Strategy: A Novel Synthetic Approach to Fully Cationized Thiolate-Protected Au ₂₅ (SR ⁺) ₁₈ Clusters with Atomic Precision. ChemNanoMat, 2017, 3, 298-302.	1.5	7
58	Real-Space Investigation of Energy Transfer through Electron Tomography. Journal of Physical Chemistry C, 2017, 121, 28395-28402.	1.5	7
59	One-pot preparation of cationic charged Pt nanoparticles by the autocatalytic hydrolysis of acetylthiocholine. New Journal of Chemistry, 2015, 39, 4214-4217.	1.4	6
60	Distinctive stability of a free-standing monolayer clay mineral nanosheet <i>via</i> transmission electron microscopy. Physical Chemistry Chemical Physics, 2020, 22, 25095-25102.	1.3	6
61	Investigation of adsorption behavior and energy transfer of cationic porphyrins on clay surface at low loading levels by picosecond time-resolved fluorescence measurement. Research on Chemical Intermediates, 2013, 39, 269-278.	1.3	5
62	In Situ Transmission Electron Microscopic Observation of Double-wall TiO ₂ Nanotube Arrays at High Temperature. Chemistry Letters, 2014, 43, 1514-1516.	0.7	5
63	Enhanced Terahertz Emission from Cu _x O/Metal Thin Film Deposited on Columnar-Structured Porous Silicon. Bulletin of the Chemical Society of Japan, 2015, 88, 1385-1387.	2.0	5
64	Direct Imaging of Individual Organic Molecules in Supramolecular Assembly Strongly Fixed via Multivalent Electrostatic Interactions. Journal of Physical Chemistry C, 2021, 125, 4917-4923.	1.5	4
65	Super Polycationic Molecular Compounds: Au ₁₄₄ (SR ⁺) ₆₀ Clusters. Journal of Physical Chemistry C, 2019, 123, 21768-21773.	1.5	3
66	Basic [Au ₂₅ (SCH ₂ CH ₂ Py) ₁₈] ⁺ ...Na ⁺ Clusters: Synthesis, Layered Crystallographic Arrangement, and Unique Surface Protonation. Angewandte Chemie, 2019, 131, 13545-13549.	1.6	3
67	Surface Menshutkin S _N 2 Reaction on Basic Gold Clusters Provides Novel Opportunities for the Cationization and Functionalization of Molecular Metal Clusters. Journal of Physical Chemistry Letters, 2021, 12, 11761-11765.	2.1	3
68	Tuning Emission Properties by Dye Encapsulation into Layered Silicates. Structure and Bonding, 2020, , 185-204.	1.0	1
69	Photochemical Reaction in Two Dimensional Assemblies of Functional Dyes on Inorganic Nanosheets. Kobunshi Ronbunshu, 2016, 73, 12-18.	0.2	0
70	Photoenergy Conversion. Nanostructure Science and Technology, 2017, , 357-371.	0.1	0