

Hideya Kawasaki

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8480134/hideya-kawasaki-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

191
papers

5,948
citations

41
h-index

71
g-index

200
ext. papers

6,445
ext. citations

4
avg, IF

5.9
L-index

#	Paper	IF	Citations
191	ph-Dependent Synthesis of Pepsin-Mediated Gold Nanoclusters with Blue Green and Red Fluorescent Emission. <i>Advanced Functional Materials</i> , 2011 , 21, 3508-3515	15.6	374
190	Modification of gold nanorods using phosphatidylcholine to reduce cytotoxicity. <i>Langmuir</i> , 2006 , 22, 2-5	4	362
189	Stable Au ₂₅ (SR) ₁₈ /TiO ₂ Composite Nanostructure with Enhanced Visible Light Photocatalytic Activity. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2847-2852	6.4	204
188	Rapid synthesis of gold nanorods by the combination of chemical reduction and photoirradiation processes; morphological changes depending on the growing processes. <i>Chemical Communications</i> , 2003 , 2376-7	5.8	204
187	Generation of Singlet Oxygen by Photoexcited Au ₂₅ (SR) ₁₈ Clusters. <i>Chemistry of Materials</i> , 2014 , 26, 2777-2788	9.6	190
186	N,N-Dimethylformamide-stabilized gold nanoclusters as a catalyst for the reduction of 4-nitrophenol. <i>Nanoscale</i> , 2012 , 4, 4148-54	7.7	177
185	Chemical modification of amino acids by atmospheric-pressure cold plasma in aqueous solution. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 285403	3	153
184	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
183	Surface-assisted laser desorption/ionization mass spectrometry (SALDI-MS) of low molecular weight organic compounds and synthetic polymers using zinc oxide (ZnO) nanoparticles. <i>Journal of Mass Spectrometry</i> , 2008 , 43, 1063-71	2.2	148
182	Microwave-assisted polyol synthesis of copper nanocrystals without using additional protective agents. <i>Chemical Communications</i> , 2011 , 47, 7740-2	5.8	137
181	Functionalized nanoparticles and nanostructured surfaces for surface-assisted laser desorption/ionization mass spectrometry. <i>Analytical Sciences</i> , 2010 , 26, 1229-40	1.7	128
180	Trypsin-stabilized fluorescent gold nanocluster for sensitive and selective Hg ²⁺ detection. <i>Analytical Sciences</i> , 2011 , 27, 591-6	1.7	122
179	Surfactant-free solution synthesis of fluorescent platinum subnanoclusters. <i>Chemical Communications</i> , 2010 , 46, 3759-61	5.8	104
178	Layer-by-layer self-assembled multilayer films of gold nanoparticles for surface-assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 7524-33	7.8	101
177	Surfactant-free synthesis of palladium nanoclusters for their use in catalytic cross-coupling reactions. <i>Chemical Communications</i> , 2011 , 47, 5750-2	5.8	97
176	Stability of the DMF-protected Au nanoclusters: photochemical, dispersion, and thermal properties. <i>Langmuir</i> , 2010 , 26, 5926-33	4	94
175	Reversible Vesicle Formation by Changing pH. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 1524-1527	3.4	92

174	Effect of pH on the Volume Phase Transition of Copolymer Gels of N-Isopropylacrylamide and Sodium Acrylate. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 5089-5093	3.4	90
173	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
172	Surfactant-free single-nano-sized colloidal Cu nanoparticles for use as an active catalyst in Ullmann-coupling reaction. <i>Chemical Communications</i> , 2012 , 48, 3784-6	5.8	82
171	Salt-induced volume phase transition of poly(N-isopropylacrylamide) gel. <i>Journal of Chemical Physics</i> , 2000 , 113, 5980-5985	3.9	79
170	High-Concentration Synthesis of Sub-10-nm Copper Nanoparticles for Application to Conductive Nanoinks. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19382-9	9.5	69
169	Preparation and use of DMF-stabilized iridium nanoclusters as methylation catalysts using methanol as the C1 source. <i>Chemical Communications</i> , 2017 , 53, 1080-1083	5.8	67
168	Properties of two-component Langmuir monolayer of single chain perfluorinated carboxylic acids with dipalmitoylphosphatidylcholine (DPPC). <i>Colloids and Surfaces B: Biointerfaces</i> , 2005 , 41, 285-98	6	66
167	Platinum nanoflowers on scratched silicon by galvanic displacement for an effective SALDI substrate. <i>Chemistry - A European Journal</i> , 2010 , 16, 10832-43	4.8	62
166	Evaluation of river pollution of neonicotinoids in Osaka City (Japan) by LC/MS with dopant-assisted photoionisation. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 2189-94		61
165	Effect of Introduced Electric Charge on the Volume Phase Transition of N-Isopropylacrylamide Gels. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 4184-4187	3.4	60
164	Effects of Protonation on the Viscoelastic Properties of Tetradecyldimethylamine Oxide Micelles. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 5411-5418	3.4	60
163	Characterization of silver ions adsorbed on gold nanorods: surface analysis by using surface-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Chemical Communications</i> , 2009 , 1754-6	5.8	58
162	Influence of the Counterions of Cetyltrimethylammonium Salts on the Surfactant Adsorption onto Gold Surfaces and the Formation of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 2683-2690	3.8	57
161	Fabrication of Conductive Copper Films on Flexible Polymer Substrates by Low-Temperature Sintering of Composite Cu Ink in Air. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20852-20858	9.5	55
160	Saccharide-Induced Volume Phase Transition of Poly(N-isopropylacrylamide) Gels. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 16282-16284		50
159	Functionalized graphene-coated cobalt nanoparticles for highly efficient surface-assisted laser desorption/ionization mass spectrometry analysis. <i>Analytical Chemistry</i> , 2012 , 84, 9268-75	7.8	49
158	Photo/electrocatalysis and photosensitization using metal nanoclusters for green energy and medical applications. <i>Nanoscale Advances</i> , 2020 , 2, 17-36	5.1	49
157	Mass spectrometric analysis for high molecular weight synthetic polymers using ultrasonic degradation and the mechanism of degradation. <i>Analytical Chemistry</i> , 2007 , 79, 4182-7	7.8	45

156	Photochemical synthesis of glycine-stabilized gold nanoparticles and its heavy-metal-induced aggregation behavior. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 367, 167-173	5.1	44
155	Scattering from Polymerlike Micelles of TDAO in Salt/Water Solutions at Semidilute Concentrations. <i>Langmuir</i> , 2000 , 16, 6431-6437	4	44
154	Desorption/Ionization Efficiency of Common Amino Acids in Surface-Assisted Laser Desorption/Ionization Mass Spectrometry (SALDI-MS) with Nanostructured Platinum. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 238-245	3.8	43
153	Volume Phase Transition Behavior of N-Isopropylacrylamide Gels as a Function of the Chemical Potential of Water Molecules. <i>Macromolecules</i> , 1997 , 30, 1847-1848	5.5	43
152	FT-IR Study on Hydrogen Bonds between the Headgroups of Dodecyldimethylamine Oxide Hemihydrochloride. <i>Langmuir</i> , 2001 , 17, 2278-2281	4	43
151	Platinum vapor deposition surface-assisted laser desorption/ionization for imaging mass spectrometry of small molecules. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 1849-58	2.2	41
150	Mode of interaction of amphiphilic alpha-helical peptide with phosphatidylcholines at the air-water interface. <i>Langmuir</i> , 2006 , 22, 1182-92	4	39
149	Vesicle-Micelle Transition and the Stability of the Vesicle Dispersion in Mixtures of Tetradecyldimethylamine Oxide Hemihydrochloride and Sodium Naphthalenesulfonate. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8661-8668	3.4	38
148	Effects of micelle-to-vesicle transitions on the degree of counterion binding. <i>Journal of Colloid and Interface Science</i> , 2005 , 287, 685-93	9.3	35
147	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
146	Surfactant-free solution-based synthesis of metallic nanoparticles toward efficient use of the nanoparticles/surfaces and their application in catalysis and chemo-/biosensing. <i>Nanotechnology Reviews</i> , 2013 , 2, 5-25	6.3	33
145	Synthesis of Nanohole-Structured Single-Crystalline Platinum Nanosheets Using Surfactant-Liquid-Crystals and their Electrochemical Characterization. <i>Advanced Functional Materials</i> , 2009 , 19, 545-553	15.6	33
144	Sulfonate group-modified FePtCu nanoparticles as a selective probe for LDI-MS analysis of oligopeptides from a peptide mixture and human serum proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1423-31	4.4	32
143	Reassessment of Free-Radical Polymerization Mechanism of Allyl Acetate Based on End-Group Determination of Resulting Oligomers by MALDI-TOF-MS Spectrometry. <i>Polymer Journal</i> , 2009 , 41, 26-33	3.7	30
142	Effect of the Introduced Charge on the Thermal Behavior of N-Isopropylacrylamide Gels in Water and NaCl Solutions. <i>Langmuir</i> , 2000 , 16, 3195-3199	4	30
141	Label-free detection of C-reactive protein using highly dispersible gold nanoparticles synthesized by reducible biomimetic block copolymers. <i>Chemical Communications</i> , 2014 , 50, 5656-8	5.8	28
140	Reversible micelle-vesicle conversion of oleyldimethylamine oxide by pH changes. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 12451-8	3.4	28
139	Effects of the Gel Size on the Volume Phase Transition of Poly(N-isopropylacrylamide) Gels: A Calorimetric Study. <i>Langmuir</i> , 1998 , 14, 773-776	4	28

138	Gold-nanoparticle-supported silicon plate with polymer micelles for surface-assisted laser desorption/ionization mass spectrometry of peptides. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 159-64	1.3	27
137	Human serum albumin-modified Fe ₃ O ₄ magnetic nanoparticles for affinity-SALDI-MS of small-molecule drugs in biological liquids. <i>Analytical Sciences</i> , 2012 , 28, 893-900	1.7	26
136	Effectiveness of platinum particle deposition on silicon surfaces for surface-assisted laser desorption/ionization mass spectrometry of peptides. <i>International Journal of Mass Spectrometry</i> , 2010 , 291, 145-151	1.9	26
135	Synthesis of Nanogroove-Network-Structured Platinum Nanosheets and Their Carbon-Supported Forms Using a Mixed-Surfactant Templating Approach. <i>Advanced Materials</i> , 2007 , 19, 237-241	2.4	26
134	Single-crystalline platinum nanosheets from nonionic surfactant 2-D self-assemblies at solid/aqueous solution interfaces. <i>Langmuir</i> , 2005 , 21, 11468-73	4	26
133	Surface and Interface Designs in Copper-Based Conductive Inks for Printed/Flexible Electronics. <i>Nanomaterials</i> , 2020 , 10,	5.4	26
132	Aggregation/Self-Assembly-Induced Approach for Efficient AuAg Bimetallic Nanocluster-Based Photosensitizers. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12494-12501	3.8	24
131	Functionalized pyrolytic highly oriented graphite polymer film for surface-assisted laser desorption/ionization mass spectrometry in environmental analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 3323-32	2.2	23
130	Antimicrobial Silver Nanoclusters Bearing Biocompatible Phosphorylcholine-Based Zwitterionic Protection. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2527-2533	6.3	23
129	Bovine serum albumin-capped gold nanoclusters conjugating with methylene blue for efficient O ₂ generation via energy transfer. <i>Journal of Colloid and Interface Science</i> , 2018 , 510, 221-227	9.3	22
128	Gold-decorated titania nanotube arrays as dual-functional platform for surface-enhanced Raman spectroscopy and surface-assisted laser desorption/ionization mass spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8387-95	9.5	22
127	Use of thermally annealed multilayer gold nanoparticle films in combination analysis of localized surface plasmon resonance sensing and MALDI mass spectrometry. <i>Analyst, The</i> , 2011 , 136, 1167-76	5	22
126	Multiple volume phase transition of nonionic thermosensitive gel. <i>Journal of Chemical Physics</i> , 1995 , 103, 6241-6247	3.9	22
125	Antimicrobial photodynamic activity and cytocompatibility of Au(Capt) clusters photoexcited by blue LED light irradiation. <i>International Journal of Nanomedicine</i> , 2017 , 12, 2703-2716	7.3	21
124	Solution Synthesis of N,N-Dimethylformamide-Stabilized Iron-Oxide Nanoparticles as an Efficient and Recyclable Catalyst for Alkene Hydrosilylation. <i>ChemCatChem</i> , 2018 , 10, 2378-2382	5.2	21
123	Investigation of the Stability of Graphite Particle Dispersion and the Hemimicelle Formation Process at Graphite/Solution Interfaces Using Atomic Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16746-16752	3.4	21
122	High molecular weight organic compounds (HMW-OCs) in severe winter haze: Direct observation and insights on the formation mechanism. <i>Environmental Pollution</i> , 2016 , 218, 289-296	9.3	21
121	Optical Properties of 2-Methacryloyloxyethyl Phosphorylcholine-Protected Au ₄ Nanoclusters and Their Fluorescence Sensing of C-Reactive Protein. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 14319-14325 ^{3,8}	3.8	20

120	Thiolate-protected Gold Nanoclusters Au ₂₅ (phenylethanethiol) ₁₈ : An Efficient Catalyst for the Synthesis of Propargylamines from Aldehydes, Amines, and Alkynes. <i>Chemistry Letters</i> , 2016 , 45, 1457-1459	1.7	20
119	Laboratory scale production of ¹³ C labeled chitosan by fungi <i>Absidia coerulea</i> and <i>Gongronella butleri</i> grown in solid substrate and submerged fermentation. <i>Carbohydrate Polymers</i> , 2011 , 84, 743-750	10.3	19
118	Effect of urea surface modification and photocatalytic cleaning on surface-assisted laser desorption/ionization mass spectrometry with amorphous TiO ₂ nanoparticles. <i>Journal of Mass Spectrometry</i> , 2009 , 44, 1443-51	2.2	19
117	Desorption/ionization on porous silicon mass spectrometry (DIOS-MS) of perfluorooctane sulfonate (PFOS). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 347, 220-224	5.1	19
116	Specific Polymerization Mechanism Involving Scission of Mid-Chain Radical Yielding Oligomers in the Free-Radical Polymerization of Vinyl Ethers. <i>Macromolecules</i> , 2008 , 41, 7347-7351	5.5	19
115	Partition of Salts between N-Isopropylacrylamide Gels and Aqueous Solutions. <i>Langmuir</i> , 2000 , 16, 1444-1446	1.4	19
114	Silver nanoparticle functionalized glass fibers for combined surface-enhanced Raman scattering spectroscopy (SERS)/surface-assisted laser desorption/ionization (SALDI) mass spectrometry via plasmonic/thermal hot spots. <i>Analyst</i> , 2016 , 141, 5835-5841	5	19
113	Characterization of polyether mixtures using thin-layer chromatography and matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 787-91	2.2	18
112	A new matrix of MALDI-TOF MS for the analysis of thiolate-protected gold clusters. <i>Analytical Methods</i> , 2012 , 4, 3600	3.2	17
111	Mode of interaction of two fluorinated-hydrogenated hybrid amphiphiles with dipalmitoylphosphatidylcholine (DPPC) at the air-water interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 53, 37-50	6	17
110	Cu-based composite inks of a self-reductive Cu complex with Cu flakes for the production of conductive Cu films on cellulose paper. <i>Materials Chemistry and Physics</i> , 2017 , 197, 87-93	4.4	16
109	Low-temperature sintering of metallacyclic stabilized copper nanoparticles and adhesion enhancement of conductive copper film to a polyimide substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 7540-7547	2.1	16
108	A nanocomposite of N-doped carbon dots with gold nanoparticles for visible light active photosensitisers. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1235-1241	4.2	15
107	Analysis of chlorothalonil by liquid chromatography/mass spectrometry using negative-ion atmospheric pressure photoionization. <i>Analytical Sciences</i> , 2009 , 25, 693-7	1.7	15
106	Fabrication of Submillimeter-sized Gold Plates from Thermal Decomposition of H ₂ AuCl ₄ in Two-component Ionic Liquids. <i>Chemistry Letters</i> , 2007 , 36, 1038-1039	1.7	15
105	Mode of interaction of ganglioside Langmuir monolayer originated from echinoderms: three binary systems of ganglioside/DPPC, ganglioside/DMPE, and ganglioside/cholesterol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 52, 57-75	6	15
104	Effects of Protonation on the Aggregate Structures of Tetradecyldimethylamine Oxide at Solid-Solution Interfaces. <i>Langmuir</i> , 2001 , 17, 8210-8216	4	15
103	Effects of ligand species and cluster size of biomolecule-protected Au nanoclusters on efficiency of singlet-oxygen generation. <i>Journal of Luminescence</i> , 2016 , 180, 315-320	3.8	15

102	Simultaneous detection of phosphatidylcholines and glycerolipids using matrix-enhanced surface-assisted laser desorption/ionization-mass spectrometry with sputter-deposited platinum film. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 1264-9	2.2	14
101	Determination of primary bond scissions by mass spectrometric analysis of ultrasonic degradation products of poly(ethylene oxide-block-propylene oxide) copolymers. <i>Journal of Mass Spectrometry</i> , 2010 , 45, 799-805	2.2	14
100	Ultrasonic Activation of Water-Soluble Au ₂₅ (SR) ₁₈ Nanoclusters for Singlet Oxygen Production. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26644-26652	3.8	13
99	Use of high-resolution mass spectrometry to identify precursors and biodegradation products of perfluorinated and polyfluorinated compounds in end-user products. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 4745-55	4.4	13
98	Effects of l-arginine on aggregates of fatty-acid/potassium soap in the aqueous media. <i>Colloid and Polymer Science</i> , 2006 , 284, 520-528	2.4	13
97	Micelle-vesicle transition of oleyldimethylamine oxide in water. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 38, 131-8	6	13
96	Effects of Hydrophobic Counterions on the Phase Behavior of Tetradecyldimethylhydroxylammonium Chloride in Aqueous Solutions. <i>Langmuir</i> , 2002 , 18, 8358-8363	4	13
95	Surface tension of the polymer network of a gel. <i>Physical Review E</i> , 1996 , 54, 1663-1668	2.4	13
94	Photodynamic inactivation of oral bacteria with silver nanoclusters/rose bengal nanocomposite. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020 , 30, 101647	3.5	13
93	Efficient fabrication of substrates for surface-assisted laser desorption/ionization mass spectrometry using laser ablation in liquids. <i>Applied Surface Science</i> , 2011 , 257, 2046-2050	6.7	12
92	Application of on-line electrochemistry/electrospray/tandem mass spectrometry to a quantification method for the antipsychotic drug zotepine in human serum. <i>Analytical Sciences</i> , 2009 , 25, 1197-201	1.7	12
91	Quantitative determination of cyclic polylactic acid oligomers in serum by direct injection liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 870, 247-50	3.2	12
90	One-dimensional assemblies of platinum nanoparticles on a graphite surface using nonionic/ionized mixed hemicylindrical micelle templates. <i>Journal of Colloid and Interface Science</i> , 2006 , 300, 149-54	9.3	12
89	Solid state phase behaviors of dodecyldimethylamine oxide: protonation and counterion effects. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000 , 169, 117-124	5.1	12
88	Label-Free Specific Detection and Collection of C-Reactive Protein Using Zwitterionic Phosphorylcholine-Polymer-Protected Magnetic Nanoparticles. <i>Langmuir</i> , 2019 , 35, 1749-1755	4	12
87	Synthesis and Characterization of β -Dimethylformamide-Protected Palladium Nanoparticles and Their Use in the Suzuki-Miyaura Cross-Coupling Reaction. <i>ACS Omega</i> , 2020 , 5, 9598-9604	3.9	12
86	Effective removal of surface-bound cetyltrimethylammonium ions from thiol-monolayer-protected Au nanorods by treatment with dimethyl sulfoxide/citric acid. <i>RSC Advances</i> , 2017 , 7, 18041-18045	3.7	11
85	Elimination technique for alkali metal ion adducts from an electrospray ionization process using an on-line ion suppressor. <i>Analytical Sciences</i> , 2010 , 26, 715-8	1.7	11

84	Effect of Donnan Osmotic Pressure on the Volume Phase Transition of N-Isopropylacrylamide Gels <i>Langmuir</i> , 1999 , 15, 4266-4269	4	11
83	Contribution of Ligand Oxidation Products to High Durability of Copper Films Prepared from Low-Sintering-Temperature Copper Ink on Polymer Substrates. <i>Advanced Engineering Materials</i> , 2017 , 19, 1700259	3.5	10
82	Direct Imaging Mass Spectrometry of Plant Leaves Using Surface-assisted Laser Desorption/Ionization with Sputter-deposited Platinum Film. <i>Analytical Sciences</i> , 2016 , 32, 587-91	1.7	10
81	Reduced Sampling Size with Nanopipette for Tapping-Mode Scanning Probe Electrospray Ionization Mass Spectrometry Imaging. <i>Mass Spectrometry</i> , 2016 , 5, S0054	1.7	10
80	Thiolated-2-methacryloyloxyethyl phosphorylcholine protected silver nanoparticles as novel photo-induced cell-killing agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 128-134	6	10
79	Quantum Dot-based Fluorescent Sensing. <i>Analytical Sciences</i> , 2017 , 33, 987-988	1.7	10
78	Photoluminescence from Excited Energy Bands in Au ₂₅ Nanoclusters. <i>Applied Physics Express</i> , 2011 , 4, 095001	2.4	10
77	Antibacterial Photocurable Acrylic Resin Coating Using a Conjugate between Silver Nanoclusters and Alkyl Quaternary Ammonium. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4809-4818	5.6	9
76	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
75	Simultaneous LC/MS analysis of hexachlorobenzene and pentachlorophenol by atmospheric pressure chemical ionization (APCI) and photoionization (APPI) methods. <i>Analytical Sciences</i> , 2009 , 25, 1373-6	1.7	9
74	Detection of the Heterochirality of a 1:2 Metal/Ph-pybox Complex Ion by ESIMS. <i>Chemistry Letters</i> , 2010 , 39, 564-566	1.7	9
73	Influence of Crystalline Forms of Titania on Desorption/Ionization Efficiency in Titania-Based Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2010 , 58, 221-228	0.2	9
72	Charge-induced unilamellar vesicle formation and phase separation in solutions of Di-n-decylmethylamine oxide. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 10177-85	3.4	9
71	Laser Desorption/Ionization Mass Spectrometry (LDI-MS) of Lipids with Iron Oxide Nanoparticle-Coated Targets. <i>Mass Spectrometry</i> , 2014 , 3, A0026	1.7	8
70	Selective photocatalytic degradation of poly(ethylene glycol) additives using TiO ₂ surface-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 3886-90	2.2	8
69	Protonation-induced structural change of lyotropic liquid crystals in oley- and alkyldimethylamine oxides/water systems. <i>Langmuir</i> , 2005 , 21, 5731-7	4	8
68	Effects of alkyl chain length on the solid state phase behaviors of alkyldimethylamine oxide hydrochlorides and hemihydrochlorides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001 , 183-185, 475-485	5.1	8
67	Formate-Free Metal-Organic Decomposition Inks of Copper Particles and Self-Reductive Copper Complex for the Fabrication of Conductive Copper Films. <i>Journal of Coating Science and Technology</i> , 2016 , 3, 56-61	1	8

66	Mild synthesis of single-nanosized plasmonic copper nanoparticles and their catalytic reduction of methylene blue. <i>Colloids and Interface Science Communications</i> , 2019 , 31, 100187	5.4	7
65	MALDI-MS Analysis of Ultrasonic Degradations of Uniform PMMA. <i>Polymer Journal</i> , 2008 , 40, 682-683	2.7	7
64	Self-organization of surfactant-metal-ion complex nanofibers on graphite surfaces and their application to fibrously concentrated platinum nanoparticle formation. <i>Langmuir</i> , 2007 , 23, 11540-5	4	7
63	Vesicle formation in oleyldimethylamine oxide/sodium oleate mixtures. <i>Colloid and Polymer Science</i> , 2004 , 282, 1140-1145	2.4	7
62	Reversible pH-induced transformation of micellar aggregates between hemicylinders and laterally homogeneous layers at graphite-solution interfaces. <i>Colloid and Polymer Science</i> , 2005 , 283, 359-366	2.4	7
61	Quantitative Analysis of an Antioxidant Additive in Insoluble Plastics by Surface-Assisted Laser Desorption/Ionization Mass Spectrometry (SALDI-MS) Using TiO ₂ Nanoparticles. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2010 , 58, 123-127	0.2	7
60	Acid soap formation of oleic acid and cationic complex formation in the alkyldimethylamine oxide/sodium oleate equimolar mixtures. <i>Colloid and Polymer Science</i> , 2004 , 282, 468-475	2.4	6
59	Structures and dynamics of dodecyldimethylamine oxide intercalated into RUB-18. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 425-427	3.9	6
58	Effects of ammonium salts and anionic amphiphiles on the photochemical formation of gold nanorods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 257-258, 161-164	5.1	6
57	A Bilayer Formed by Soluble Amphiphiles with Single Chain at the Mica/Solution Interface. <i>Chemistry Letters</i> , 2000 , 29, 972-973	1.7	6
56	Mass spectrometric detection of enantioselectivity in three-component complexation, copper(ii)-chiral tetradentate ligand-free amino acid in solution. <i>Chemical Communications</i> , 2019 , 56, 54-57	5.8	6
55	Antibacterial and Antibiofilm Photodynamic Activities of Lysozyme-Au Nanoclusters/Rose Bengal Conjugates. <i>ACS Omega</i> , 2021 , 6, 9279-9290	3.9	6
54	UV photo-mediated size-focusing synthesis of silver nanoclusters. <i>RSC Advances</i> , 2016 , 6, 73600-73604	3.7	6
53	Filtration-induced production of conductive/robust Cu films on cellulose paper by low-temperature sintering in air. <i>Royal Society Open Science</i> , 2018 , 5, 172417	3.3	5
52	Two-dimensional mapping using different chromatographic separations coupled with mass spectrometry for the analysis of ginsenosides in Panax ginseng root and callus. <i>Analytical Sciences</i> , 2013 , 29, 429-34	1.7	5
51	Roles of the C-terminal residues of calmodulin in structure and function. <i>Biophysics (Nagoya-shi, Japan)</i> , 2011 , 7, 35-49		5
50	Semi-online nanoflow liquid chromatography/matrix-assisted laser desorption ionization mass spectrometry of synthetic polymers using an octadecylsilyl-modified monolithic silica capillary column. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 1835-41	2.2	5
49	Direct observation of dynamic shape transformation and coalescence in platinum nanosheets on graphite surface at room temperature by time-resolved AFM. <i>Applied Surface Science</i> , 2006 , 253, 1512-1516	6.7	5

48	Effects of protonation of alkyldimethylamine oxides on the dissolution temperature in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2002 , 252, 419-25	9.3	5
47	Enhanced flexibility and environmental durability of copper electrode produced with conductive ink containing silane coupling agents with diamine and ether spacer. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 12130-12139	2.1	4
46	Microwave-assisted Synthesis of Near-infrared-luminescent Ovalbumin-protected Gold Nanoparticles as a Luminescent Glucose Sensor. <i>Chemistry Letters</i> , 2014 , 43, 793-795	1.7	4
45	Temperature-induced sedimentation to dispersion of ionic vesicles. <i>Journal of Colloid and Interface Science</i> , 2005 , 284, 349-53	9.3	4
44	Photoluminescent Ozone Sensor with Enhanced Sensitivity by Using CdSe/ZnS Quantum Dots Modified with Gold and Platinum. <i>Analytical Sciences</i> , 2020 , 36, 989-995	1.7	4
43	Highly Conductive, Flexible, and Oxidation-Resistant Cu-Ni Electrodes Produced from Hybrid Inks at Low Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20906-20915	9.5	4
42	A Simple Method of Interpretating the Effects of Electric Charges on the Volume Phase Transition of Thermosensitive Gels. <i>Gels</i> , 2018 , 4,	4.2	3
41	Application of Tapping-Mode Scanning Probe Electrospray Ionization to Mass Spectrometry Imaging of Additives in Polymer Films. <i>Mass Spectrometry</i> , 2014 , 3, S0050	1.7	3
40	A thiophene-containing compound as a matrix for matrix-assisted laser desorption/ ionization mass spectrometry and the electrical conductivity of matrix crystals. <i>European Journal of Mass Spectrometry</i> , 2013 , 19, 29-37	1.1	3
39	Electrospray ionization mass spectrometric observation of ligand exchange of zinc pyrithione with amino acids. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 2161-6	2.2	3
38	Halohydrination of epoxy resins using sodium halides as cationizing agents in MALDI-MS and DIOS-MS. <i>Journal of Mass Spectrometry</i> , 2008 , 43, 1664-72	2.2	3
37	The effect of the heterogeneity of N-isopropylacrylamide-co-styrene sulfonate gel on the binding behavior of an ionic surfactant with the gel. <i>Colloid and Polymer Science</i> , 2002 , 280, 710-715	2.4	3
36	Hydrogen ion titration of oleic acid in aqueous media: further examinations on sodium and potassium oleate systems. <i>Colloid and Polymer Science</i> , 2003 , 281, 220-228	2.4	3
35	Complex formation in alkyldimethylamine oxide/sodium palmitate/water mixtures. <i>Journal of Colloid and Interface Science</i> , 2005 , 283, 238-44	9.3	3
34	Enantioselectivity-Evaluation of Chiral Copper(II) Complexes Coordinated by Novel Chiral Tetradentate Ligands for Free Amino Acids by Mass Spectrometry Coupled With the Isotopically Labeled Enantiomer Method. <i>Frontiers in Chemistry</i> , 2020 , 8, 598598	5	3
33	Origin of the fluorescence in silica-based nanoparticles synthesized from aminosilane coupling agents. <i>Journal of Luminescence</i> , 2021 , 232, 117849	3.8	3
32	Controlled aggregation of methylene blue in silica-methylene blue nanocomposite for enhanced 10 ² generation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126360	5.1	3
31	Conductive leaf vein networks produced via Ag nanoparticle self-assembly for potential applications of flexible sensor. <i>Materials Letters</i> , 2021 , 284, 128937	3.3	3

30	Protein-modified silver nanoplates for the complementary analytical method of localised surface plasmon resonance and matrix assisted laser desorption/ionisation mass spectrometry. <i>Analytical Methods</i> , 2013 , 5, 5031	3.2	2
29	Desorption/ionization efficiency of peptides containing disulfide bonds in matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Sciences</i> , 2012 , 28, 295-9	1.7	2
28	Surfactant Free-solution Synthesis of Copper Nanoparticles for Low Temperature Sintering and Conductive Paste. <i>Journal of the Adhesion Society of Japan</i> , 2013 , 49, 171-176	0.1	2
27	Mass Spectrometric Analysis of Synthetic Polymers Using Ultrasonic Degradation. <i>Bunseki Kagaku</i> , 2011 , 60, 199-214	0.2	2
26	Polymer Analysis Utilizing Psuedo 2D Liquid Chromatogram Integrated with LC-ESI-MS Data Using Two Different Columns. <i>Bunseki Kagaku</i> , 2011 , 60, 245-251	0.2	2
25	Ionization efficiency of alpha-helical peptides in laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009 , 44, 1119-23	2.2	2
24	Mass Spectrometric Approach Delineating Degradation Mechanism of Synthetic Polymers by Benzoylferrocene. <i>Chemistry Letters</i> , 2010 , 39, 66-67	1.7	2
23	One-pot Preparation of Water-soluble Blue Luminescent Silica Flakes via Microwave Heating. <i>Chemistry Letters</i> , 2010 , 39, 370-371	1.7	2
22	Effects of the Gel Size on the Thermal Behavior of N-isopropylacrylamide Gels in Relation to the Volume Phase Transition. <i>Chemistry Letters</i> , 1997 , 26, 723-724	1.7	2
21	Laser Desorption/Ionization Mass Spectrometry Using Functionalized Metal Nanoparticles. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2013 , 61, 1-11	0.2	2
20	Sensitive Detection of Aromatic Hydrophobic Compounds in Water and Perfluorooctane Sulfonate in Human Serum by Surface-Assisted Laser Desorption/Ionization Mass Spectrometry (SALDI-MS) with Amine Functionalized Graphene-Coated Cobalt Nanoparticles. <i>Mass Spectrometry</i> , 2014 , 3, A0028	1.7	2
19	One-step synthesis of M13 phage-based nanoparticles and their fluorescence properties.. <i>RSC Advances</i> , 2021 , 11, 1367-1375	3.7	2
18	Standard Definitions of Terms Relating to Mass Spectrometry (additional edition). <i>Journal of the Mass Spectrometry Society of Japan</i> , 2017 , 65, 76-90	0.2	1
17	Single nanosized FeO nanocrystals with photoluminescence properties. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	1
16	Correlations between Chemical Compositions and Retention Times of Methacrylate Random Copolymers Using LC-ESI-MS. <i>Mass Spectrometry</i> , 2012 , 1, A0012	1.7	1
15	Mass Spectrometry of Femto-Second Laser Photodegradation Products of Synthetic Polymers. <i>Bunseki Kagaku</i> , 2011 , 60, 253-260	0.2	1
14	Carbon-supported growth of cross-linked platinum nanowires by surfactant templating and their electrochemical characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 5790-5	1.3	1
13	Effect of electron irradiation on nanogroove-networked single-crystalline and dendritic polycrystalline platinum nanosheets prepared from lyotropic surfactant liquid-crystal templates. <i>Materials Research Bulletin</i> , 2008 , 43, 1282-1290	5.1	1

12	Electrophoretic mobility of the polymer-like micelles of tetradecyldimethylamine oxide hemihydrochloride. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 250, 479-483 ^{5.1}		1
11	Reversible sensing of nitrogen dioxide using photoluminescent CdSe/ZnS quantum dots and enhanced response by combination with noble metals. <i>Journal of the Ceramic Society of Japan</i> , 2022 , 130, 180-186	1	1
10	Characterization of Chemical Species in Lanthanide(III)-Alizarin Complexone (ALC)-Fluoride Solution Using ESI-MS. <i>Bunseki Kagaku</i> , 2016 , 65, 39-43	0.2	1
9	Precise Synthesis of End-Functionalized Poly(vinyl chloride) with Butyllithium. <i>Macromolecules</i> , 2011 , 44, 1808-1813	5.5	0
8	Structure Analysis of Insoluble Organic Pigments by Mass Spectrometry with Various Ionization Methods. <i>Bunseki Kagaku</i> , 2008 , 57, 265-271	0.2	0
7	One-pot analysis of enantiomeric excess of free amino acids by electrospray ionization mass spectrometry.. <i>RSC Advances</i> , 2021 , 11, 36237-36241	3.7	0
6	TiO-supported Au nanoclusters for enhanced sonocatalytic performance. <i>Journal of Chemical Physics</i> , 2021 , 155, 124702	3.9	0
5	Deracemization of 1-phenylethanols in a one-pot process combining Mn-driven oxidation with enzymatic reduction utilizing a compartmentalization technique.. <i>RSC Advances</i> , 2022 , 12, 10619-10624 ^{3.7}		0
4	Analysis of Contaminants Eluted from Vials, Septa and Syringe Filters in High-Performance Liquid Chromatography/Mass Spectrometry. <i>Bunseki Kagaku</i> , 2009 , 58, 95-100	0.2	
3	Sensing of Ozone Gas by Using CdSe-Based Photoluminescent Quantum Dots and Effects of Combining Noble Metals and Quantum Dots. <i>Journal of the Japan Society of Colour Material</i> , 2019 , 92, 362-368	0	
2	Preparation of Substrates for Surface Assisted Laser Desorption Ionization (SALDI) Using Laser Ablation in Liquids. <i>The Review of Laser Engineering</i> , 2012 , 40, 111	0	
1	Nanocomposite of nanocellulose with metal nanoparticles for printable and flexible electronics 2021 , 215-236		