

Hideya Kawasaki

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.

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	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
190	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
189	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
188	Antibacterial and Antibiofilm Photodynamic Activities of Lysozyme-Au Nanoclusters/Rose Bengal Conjugates. <i>ACS Omega</i> , 2021 , 6, 9279-9290	3.9	6
187	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
186	Origin of the fluorescence in silica-based nanoparticles synthesized from aminosilane coupling agents. <i>Journal of Luminescence</i> , 2021 , 232, 117849	3.8	3
185	Controlled aggregation of methylene blue in silica-methylene blue nanocomposite for enhanced 1O ₂ generation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126360	5.1	3
184	Nanocomposite of nanocellulose with metal nanoparticles for printable and flexible electronics 2021 , 215-236		
183	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
182	One-step synthesis of M13 phage-based nanoparticles and their fluorescence properties.. <i>RSC Advances</i> , 2021 , 11, 1367-1375	3.7	2
181	TiO ₂ -supported Au nanoclusters for enhanced sonocatalytic performance. <i>Journal of Chemical Physics</i> , 2021 , 155, 124702	3.9	0
180	Photo/electrocatalysis and photosensitization using metal nanoclusters for green energy and medical applications. <i>Nanoscale Advances</i> , 2020 , 2, 17-36	5.1	49
179	Photodynamic inactivation of oral bacteria with silver nanoclusters/rose bengal nanocomposite. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020 , 30, 101647	3.5	13
178	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
177	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
176	Surface and Interface Designs in Copper-Based Conductive Inks for Printed/Flexible Electronics. <i>Nanomaterials</i> , 2020 , 10,	5.4	26
175	Synthesis and Characterization of <i>N,N</i> -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

174	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
173	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
172	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
171	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
170	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	
169	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
168	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
167	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
166	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
165	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
164	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
163	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
162	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
161	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
160	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
159	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
158	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
157	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

156	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
155	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
154	Quantum Dot-based Fluorescent Sensing. <i>Analytical Sciences</i> , 2017 , 33, 987-988	1.7	10
153	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
152	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
151	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
150	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
149	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
148	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
147	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
146	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
145	Antimicrobial Silver Nanoclusters Bearing Biocompatible Phosphorylcholine-Based Zwitterionic Protection. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2527-2533	6.3	23
144	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
143	UV photo-mediated size-focusing synthesis of silver nanoclusters. <i>RSC Advances</i> , 2016 , 6, 73600-73604	3.7	6
142	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, The</i> , 2016 , 141, 5835-5841	5	19
141	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	20
140	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
139	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

138	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
137	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
136	Generation of Singlet Oxygen by Photoexcited Au ₂₅ (SR) ₁₈ Clusters. <i>Chemistry of Materials</i> , 2014 , 26, 2777-2788	9.6	190
135	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
134	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
133	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
132	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
131	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
130	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
129	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
128	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
127	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
126	Single nanosized FeO nanocrystals with photoluminescence properties. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	1
125	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
124	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
123	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
122	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
121	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

120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	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
112	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
111	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
110	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
109	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	
108	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
107	Photoluminescence from Excited Energy Bands in Au ₂₅ Nanoclusters. <i>Applied Physics Express</i> , 2011 , 4, 095001	2.4	10
106	Microwave-assisted polyol synthesis of copper nanocrystals without using additional protective agents. <i>Chemical Communications</i> , 2011 , 47, 7740-2	5.8	137
105	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
104	Mass Spectrometry of Femto-Second Laser Photodegradation Products of Synthetic Polymers. <i>Bunseki Kagaku</i> , 2011 , 60, 253-260	0.2	1
103	Trypsin-stabilized fluorescent gold nanocluster for sensitive and selective Hg ²⁺ detection. <i>Analytical Sciences</i> , 2011 , 27, 591-6	1.7	122

102	Mass Spectrometric Analysis of Synthetic Polymers Using Ultrasonic Degradation. <i>Bunseki Kagaku</i> , 2011 , 60, 199-214	0.2	2
101	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
100	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}	10.3	19
99	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
98	Precise Synthesis of End-Functionalized Poly(vinyl chloride) with Butyllithium. <i>Macromolecules</i> , 2011 , 44, 1808-1813	5.5	0
97	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
96	Roles of the C-terminal residues of calmodulin in structure and function. <i>Biophysics (Nagoya-shi, Japan)</i> , 2011 , 7, 35-49		5
95	Stability of the DMF-protected Au nanoclusters: photochemical, dispersion, and thermal properties. <i>Langmuir</i> , 2010 , 26, 5926-33	4	94
94	Surfactant-free solution synthesis of fluorescent platinum subnanoclusters. <i>Chemical Communications</i> , 2010 , 46, 3759-61	5.8	104
93	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
92	Functionalized nanoparticles and nanostructured surfaces for surface-assisted laser desorption/ionization mass spectrometry. <i>Analytical Sciences</i> , 2010 , 26, 1229-40	1.7	128
91	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
90	Mass Spectrometric Approach Delineating Degradation Mechanism of Synthetic Polymers by Benzoylferrocene. <i>Chemistry Letters</i> , 2010 , 39, 66-67	1.7	2
89	One-pot Preparation of Water-soluble Blue Luminescent Silica Flakes via Microwave Heating. <i>Chemistry Letters</i> , 2010 , 39, 370-371	1.7	2
88	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
87	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
86	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
85	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

84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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	2.7	30
71	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
70	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
69	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	
68	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
67	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

66	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
65	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
64	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
63	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
62	Structure Analysis of Insoluble Organic Pigments by Mass Spectrometry with Various Ionization Methods. <i>Bunseki Kagaku</i> , 2008 , 57, 265-271	0.2	0
61	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
60	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
59	Halohydration 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
58	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
57	MALDI-MS Analysis of Ultrasonic Degradations of Uniform PMMA. <i>Polymer Journal</i> , 2008 , 40, 682-683	2.7	7
56	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
55	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
54	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
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46	Modification of gold nanorods using phosphatidylcholine to reduce cytotoxicity. <i>Langmuir</i> , 2006 , 22, 2-5	4	362
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