

Hideya Kawasaki

List of Publications by Year in descending order

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197
papers

6,970
citations

66315

42
h-index

69214

77
g-index

201
all docs

201
docs citations

201
times ranked

7651
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Dependent Synthesis of Pepsin-Mediated Gold Nanoclusters with Blue Green and Red Fluorescent Emission. <i>Advanced Functional Materials</i> , 2011, 21, 3508-3515.	7.8	413
2	Modification of Gold Nanorods Using Phosphatidylcholine to Reduce Cytotoxicity. <i>Langmuir</i> , 2006, 22, 2-5.	1.6	398
3	Generation of Singlet Oxygen by Photoexcited Au ₂₅ (SR) ₁₈ Clusters. <i>Chemistry of Materials</i> , 2014, 26, 2777-2788.	3.2	248
4	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.	2.1	226
5	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, , 2376-2377.	2.2	220
6	Chemical modification of amino acids by atmospheric-pressure cold plasma in aqueous solution. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 285403.	1.3	209
7	N,N-Dimethylformamide-stabilized gold nanoclusters as a catalyst for the reduction of 4-nitrophenol. <i>Nanoscale</i> , 2012, 4, 4148.	2.8	196
8	Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Biomolecules. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16278-16283.	1.5	169
9	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, 1063-1071.	0.7	161
10	Microwave-assisted polyol synthesis of copper nanocrystals without using additional protective agents. <i>Chemical Communications</i> , 2011, 47, 7740.	2.2	154
11	Functionalized Nanoparticles and Nanostructured Surfaces for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Sciences</i> , 2010, 26, 1229-1240.	0.8	140
12	Trypsin-Stabilized Fluorescent Gold Nanocluster for Sensitive and Selective Hg ²⁺ Detection. <i>Analytical Sciences</i> , 2011, 27, 591-596.	0.8	132
13	Surfactant-free solution synthesis of fluorescent platinum subnanoclusters. <i>Chemical Communications</i> , 2010, 46, 3759.	2.2	119
14	Surfactant-free synthesis of palladium nanoclusters for their use in catalytic cross-coupling reactions. <i>Chemical Communications</i> , 2011, 47, 5750.	2.2	109
15	Layer-by-Layer Self-Assembled Multilayer Films of Gold Nanoparticles for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 7524-7533.	3.2	104
16	Stability of the DMF-Protected Au Nanoclusters: Photochemical, Dispersion, and Thermal Properties. <i>Langmuir</i> , 2010, 26, 5926-5933.	1.6	103
17	Reversible Vesicle Formation by Changing pH. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1524-1527.	1.2	97
18	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, 339-346.	0.8	97

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19	High-Concentration Synthesis of Sub-10-nm Copper Nanoparticles for Application to Conductive Nanoinks. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19382-19389.	4.0	96
20	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.	2.2	94
21	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.	1.2	93
22	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.	2.1	90
23	Salt-induced volume phase transition of poly(N-isopropylacrylamide) gel. <i>Journal of Chemical Physics</i> , 2000, 113, 5980-5985.	1.2	87
24	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.	2.2	86
25	Photo/electrocatalysis and photosensitization using metal nanoclusters for green energy and medical applications. <i>Nanoscale Advances</i> , 2020, 2, 17-36.	2.2	79
26	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.	4.0	72
27	Properties of two-component Langmuir monolayer of single chain perfluorinated carboxylic acids with dipalmitoylphosphatidylcholine (DPPC). <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 41, 285-298.	2.5	69
28	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.	1.5	65
29	Platinum Nanoflowers on Scratched Silicon by Galvanic Displacement for an Effective SALDI Substrate. <i>Chemistry - A European Journal</i> , 2010, 16, 10832-10843.	1.7	65
30	Effects of Protonation on the Viscoelastic Properties of Tetradecyldimethylamine Oxide Micelles. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5411-5418.	1.2	64
31	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.	1.2	62
32	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.	2.2	62
33	Saccharide-Induced Volume Phase Transition of Poly(N-isopropylacrylamide) Gels. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16282-16284.	2.9	56
34	Functionalized Graphene-Coated Cobalt Nanoparticles for Highly Efficient Surface-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2012, 84, 9268-9275.	3.2	56
35	Mass Spectrometric Analysis for High Molecular Weight Synthetic Polymers Using Ultrasonic Degradation and the Mechanism of Degradation. <i>Analytical Chemistry</i> , 2007, 79, 4182-4187.	3.2	55
36	Surface and Interface Designs in Copper-Based Conductive Inks for Printed/Flexible Electronics. <i>Nanomaterials</i> , 2020, 10, 1689.	1.9	54

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37	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.	2.3	50
38	Scattering from Polymerlike Micelles of TDAO in Salt/Water Solutions at Semidilute Concentrations. <i>Langmuir</i> , 2000, 16, 6431-6437.	1.6	48
39	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.	1.5	46
40	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.	2.2	44
41	FT-IR Study on Hydrogen Bonds between the Headgroups of Dodecyltrimethylamine Oxide Hemihydrochloride. <i>Langmuir</i> , 2001, 17, 2278-2281.	1.6	44
42	Platinum vapor deposition surface-assisted laser desorption/ionization for imaging mass spectrometry of small molecules. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1849-1858.	0.7	44
43	Mode of Interaction of Amphiphilic α -Helical Peptide with Phosphatidylcholines at the Air/Water Interface. <i>Langmuir</i> , 2006, 22, 1182-1192.	1.6	42
44	Synthesis of binary solid solution Cu-Pd nanoparticles by DMF reduction for enhanced photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 514-520.	2.7	42
45	Aggregation/Self-Assembly-Induced Approach for Efficient AuAg Bimetallic Nanocluster-Based Photosensitizers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12494-12501.	1.5	41
46	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.	2.6	40
47	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.	1.3	39
48	Vesicle-Micelle Transition and the Stability of the Vesicle Dispersion in Mixtures of Tetradecyltrimethylamine Oxide Hemihydrochloride and Sodium Naphthalenesulfonate. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8661-8668.	1.2	38
49	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.	7.8	38
50	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.	1.8	37
51	Effects of micelle-to-vesicle transitions on the degree of counterion binding. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 685-693.	5.0	36
52	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, 1423-1431.	1.9	34
53	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.	1.6	33
54	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.	1.6	32

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55	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.	0.8	32
56	Bovine serum albumin-capped gold nanoclusters conjugating with methylene blue for efficient 1O ₂ generation via energy transfer. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 221-227.	5.0	32
57	Reversible Micelle [→] Vesicle Conversion of Oleyldimethylamine Oxide by pH Changes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12451-12458.	1.2	31
58	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.	11.1	31
59	Label-free detection of C-reactive protein using highly dispersible gold nanoparticles synthesized by reducible biomimetic block copolymers. <i>Chemical Communications</i> , 2014, 50, 5656-5658.	2.2	31
60	Single-Crystalline Platinum Nanosheets from Nonionic Surfactant 2-D Self-Assemblies at Solid/Aqueous Solution Interfaces. <i>Langmuir</i> , 2005, 21, 11468-11473.	1.6	29
61	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, 159-164.	0.9	29
62	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.	0.7	28
63	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, 8387-8395.	4.0	28
64	Antimicrobial Silver Nanoclusters Bearing Biocompatible Phosphorylcholine-Based Zwitterionic Protection. <i>Bioconjugate Chemistry</i> , 2016, 27, 2527-2533.	1.8	28
65	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.	0.7	28
66	Antimicrobial photodynamic activity and cytocompatibility of Au ₂₅ (Capt) ₁₈ clusters photoexcited by blue LED light irradiation. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2703-2716.	3.3	28
67	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.	1.6	27
68	Multiple volume phase transition of nonionic thermosensitive gel. <i>Journal of Chemical Physics</i> , 1995, 103, 6241-6247.	1.2	26
69	Specific Polymerization Mechanism Involving [→] 2-Scission of Mid-Chain Radical Yielding Oligomers in the Free-Radical Polymerization of Vinyl Ethers. <i>Macromolecules</i> , 2008, 41, 7347-7351.	2.2	26
70	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.	1.5	26
71	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, 3323-3332.	0.7	25
72	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.	3.7	25

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73	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.	1.5	24
74	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.	1.2	23
75	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.	2.3	22
76	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.	1.7	22
77	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.	5.1	22
78	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.	1.7	22
79	Photodynamic inactivation of oral bacteria with silver nanoclusters/rose bengal nanocomposite. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101647.	1.3	22
80	Partition of Salts between N-Isopropylacrylamide Gels and Aqueous Solutions. <i>Langmuir</i> , 2000, 16, 1444-1446.	1.6	21
81	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, 1443-1451.	0.7	20
82	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, 787-791.	0.7	19
83	Analysis of Chlorothalonil by Liquid Chromatography/Mass Spectrometry Using Negative-ion Atmospheric Pressure Photoionization. <i>Analytical Sciences</i> , 2009, 25, 693-697.	0.8	19
84	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, 4745-4755.	1.9	19
85	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, 1264-1269.	0.7	19
86	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.	1.5	19
87	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.	1.6	19
88	Antibacterial and Antibiofilm Photodynamic Activities of Lysozyme-Au Nanoclusters/Rose Bengal Conjugates. <i>ACS Omega</i> , 2021, 6, 9279-9290.	1.6	19
89	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.	4.0	19
90	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.	2.5	18

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91	A new matrix of MALDI-TOF MS for the analysis of thiolate-protected gold clusters. <i>Analytical Methods</i> , 2012, 4, 3600.	1.3	18
92	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.	2.5	17
93	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, 247-250.	1.2	17
94	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.	1.1	17
95	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.	2.0	17
96	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.	1.7	17
97	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.	2.4	17
98	Label-Free Specific Detection and Collection of C-Reactive Protein Using Zwitterionic Phosphorylcholine-Polymer-Protected Magnetic Nanoparticles. <i>Langmuir</i> , 2019, 35, 1749-1755.	1.6	17
99	Effects of Protonation on the Aggregate Structures of Tetradecyldimethylamine Oxide at Solid/Solution Interfaces. <i>Langmuir</i> , 2001, 17, 8210-8216.	1.6	16
100	Determination of primary bond scissions by mass spectrometric analysis of ultrasonic degradation products of poly(ethylene oxide)- <i>block</i> -poly(propylene oxide) copolymers. <i>Journal of Mass Spectrometry</i> , 2010, 45, 799-805.	0.7	16
101	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.	0.7	15
102	Direct Imaging Mass Spectrometry of Plant Leaves Using Surface-assisted Laser Desorption/Ionization with Sputter-deposited Platinum Film. <i>Analytical Sciences</i> , 2016, 32, 587-591.	0.8	15
103	Effects of Hydrophobic Counterions on the Phase Behavior of Tetradecyldimethylhydroxylammonium Chloride in Aqueous Solutions. <i>Langmuir</i> , 2002, 18, 8358-8363.	1.6	14
104	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.	1.0	14
105	Application of On-line Electrochemistry/Electrospray/Tandem Mass Spectrometry to a Quantification Method for the Antipsychotic Drug Zoltepine in Human Serum. <i>Analytical Sciences</i> , 2009, 25, 1197-1201.	0.8	14
106	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.	3.1	14
107	A liquid metal catalyst for the conversion of ethanol into graphitic carbon layers under an ultrasonic cavitation field. <i>Chemical Communications</i> , 2022, 58, 7741-7744.	2.2	14
108	Surface tension of the polymer network of a gel. <i>Physical Review E</i> , 1996, 54, 1663-1668.	0.8	13

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109	Micelle-vesicle transition of oleyldimethylamine oxide in water. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 38, 131-138.	2.5	13
110	Elimination Technique for Alkali Metal Ion Adducts from an Electrospray Ionization Process Using an On-line Ion Suppressor. <i>Analytical Sciences</i> , 2010, 26, 715-718.	0.8	13
111	Origin of the fluorescence in silica-based nanoparticles synthesized from aminosilane coupling agents. <i>Journal of Luminescence</i> , 2021, 232, 117849.	1.5	13
112	Effect of Donnan Osmotic Pressure on the Volume Phase Transition of N-Isopropylacrylamide Gels. <i>Langmuir</i> , 1999, 15, 4266-4269.	1.6	12
113	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.	2.3	12
114	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, 149-154.	5.0	12
115	Simultaneous LC/MS Analysis of Hexachlorobenzene and Pentachlorophenol by Atmospheric Pressure Chemical Ionization (APCI) and Photoionization (APPI) Methods. <i>Analytical Sciences</i> , 2009, 25, 1373-1376.	0.8	11
116	Photoluminescence from Excited Energy Bands in Au ₂₅ Nanoclusters. <i>Applied Physics Express</i> , 2011, 4, 095001.	1.1	11
117	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.	1.6	11
118	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.	0.3	11
119	Charge-Induced Unilamellar Vesicle Formation and Phase Separation in Solutions of Di-n-Decylmethylamine Oxide. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10177-10185.	1.2	10
120	Detection of the Heterochirality of a 1:2 Metal/Ph-pybox Complex Ion by ESIMS. <i>Chemistry Letters</i> , 2010, 39, 564-566.	0.7	10
121	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.	0.0	10
122	Reduced Sampling Size with Nanopipette for Tapping-Mode Scanning Probe Electrospray Ionization Mass Spectrometry Imaging. <i>Mass Spectrometry</i> , 2016, 5, S0054-S0054.	0.2	10
123	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.	2.5	10
124	Quantum Dot-based Fluorescent Sensing. <i>Analytical Sciences</i> , 2017, 33, 987-988.	0.8	10
125	Mass spectrometric detection of enantioselectivity in three-component complexation, copper(II)-chiral tetradentate ligand-free amino acid in solution. <i>Chemical Communications</i> , 2020, 56, 54-57.	2.2	10
126	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, 3886-3890.	0.7	9

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127	Suitability of GaP nanoparticles as a surface-assisted laser desorption/ionization mass spectroscopy inorganic matrix and their soft ionization ability. <i>Analyst</i> , 2013, 138, 995.	1.7	9
128	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.	2.0	9
129	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.	2.3	8
130	Protonation-Induced Structural Change of Lyotropic Liquid Crystals in Oley- and Alkyldimethylamine Oxides/Water Systems. <i>Langmuir</i> , 2005, 21, 5731-5737.	1.6	8
131	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, 11540-11545.	1.6	8
132	MALDI-MS Analysis of Ultrasonic Degradations of Uniform PMMA. <i>Polymer Journal</i> , 2008, 40, 682-683.	1.3	8
133	Laser Desorption/Ionization Mass Spectrometry (LDI-MS) of Lipids with Iron Oxide Nanoparticle-Coated Targets. <i>Mass Spectrometry</i> , 2014, 3, A0026-A0026.	0.2	8
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