Chen Yu-chie

List of Publications by Year
in descending order

142 papers	6,532 citations	66343 42 h-index	71685 76 g-index
160 all docs	160 docs citations	160 times ranked	6411 citing authors

#	Article	IF	Citations
1	Graphite surface-assisted laser desorption/ionization time-of-flight mass spectrometry of peptides and proteins from liquid solutions. Analytical Chemistry, 1995, 67, 4335-4342.	6.5	558
2	Fe3O4/TiO2 Core/Shell Nanoparticles as Affinity Probes for the Analysis of Phosphopeptides Using TiO2 Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2005, 77, 5912-5919.	6.5	442
3	Affinity Capture Using Vancomycin-Bound Magnetic Nanoparticles for the MALDI-MS Analysis of Bacteria. Analytical Chemistry, 2005, 77, 1753-1760.	6.5	194
4	Multifunctional Fe₃O₄@Au Nanoeggs as Photothermal Agents for Selective Killing of Nosocomial and Antibioticâ€Resistant Bacteria. Small, 2009, 5, 51-56.	10.0	187
5	Functional gold nanoparticles as photothermal agents for selective-killing of pathogenic bacteria. Nanomedicine, 2007, 2, 777-787.	3.3	170
6	Functional Fe₃O₄/TiO₂ Core/Shell Magnetic Nanoparticles as Photokilling Agents for Pathogenic Bacteria. Small, 2008, 4, 485-491.	10.0	167
7	Functional gold nanoclusters as antimicrobial agents for antibiotic-resistant bacteria. Nanomedicine, 2010, 5, 755-764.	3.3	150
8	Using Biofunctionalized Nanoparticles To Probe Pathogenic Bacteria. Analytical Chemistry, 2004, 76, 7162-7168.	6.5	133
9	Rapid Enrichment of Phosphopeptides and Phosphoproteins from Complex Samples Using Magnetic Particles Coated with Alumina as the Concentrating Probes for MALDI MS Analysis. Journal of Proteome Research, 2007, 6, 316-325.	3.7	131
10	Nitrilotriacetic Acid-Coated Magnetic Nanoparticles as Affinity Probes for Enrichment of Histidine-Tagged Proteins and Phosphorylated Peptides. Analytical Chemistry, 2007, 79, 7519-7525.	6.5	130
11	Rapid Enrichment of Phosphopeptides from Tryptic Digests of Proteins Using Iron Oxide Nanocomposites of Magnetic Particles Coated with Zirconia as the Concentrating Probes. Journal of Proteome Research, 2007, 6, 887-893.	3.7	126
12	Gold Nanoparticles as Selective and Concentrating Probes for Samples in MALDI MS Analysis. Analytical Chemistry, 2004, 76, 4337-4342.	6.5	114
13	Potent Antibacterial Nanoparticles for Pathogenic Bacteria. ACS Applied Materials & Interfaces, 2015, 7, 2046-2054.	8.0	112
14	Thin-layer chromatographyâ€“mass spectrometry using activated carbon, surface-assisted laser desorption/ionization. Journal of Chromatography A, 1998, 826, 77-86.	3.7	109
15	Affinity Capture of Uropathogenic Escherichia coli Using Pigeon Ovalbumin-Bound Fe₃O₄@Al₂O₃ Magnetic Nanoparticles. Analytical Chemistry, 2008, 80, 5425-5432.	6.5	109
16	Human Serum Albumin Stabilized Gold Nanoclusters as Selective Luminescent Probes for Staphylococcus aureus and Methicillin-Resistant Staphylococcus aureus. Analytical Chemistry, 2012, 84, 8952-8956.	6.5	107
17	Characterization ofAspergillus spores by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 2393-2400.	1.5	103
18	Using protein-encapsulated gold nanoclusters as photoluminescent sensing probes for biomolecules. Biosensors and Bioelectronics, 2014, 61, 88-94.	10.1	102

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19	Acceleration of Microwave-Assisted Enzymatic Digestion Reactions by Magnetite Beads. Analytical Chemistry, 2007, 79, 2394-2401.	6.5	99
20	Using Gold Nanoclusters As Selective Luminescent Probes for Phosphate-Containing Metabolites. Analytical Chemistry, 2012, 84, 5484-5488.	6.5	99
21	Desorption/ionization mass spectrometry on nanocrystalline titania solâ€“gel-deposited films. Rapid Communications in Mass Spectrometry, 2004, 18, 1956-1964.	1.5	97
22	Glutathione-bound gold nanoclusters for selective-binding and detection of glutathione S-transferase-fusion proteins from cell lysates. Chemical Communications, 2009, , 7515.	4.1	96
23	Affinity-based mass spectrometry using magnetic iron oxide particles as the matrix and concentrating probes for SALDI MS analysis of peptides and proteins. Analytical and Bioanalytical Chemistry, 2006, 386, 699-704.	3.7	93
24	Bright carbon dots as fluorescence sensing agents for bacteria and curcumin. Journal of Colloid and Interface Science, 2017, 501, 341-349.	9.4	92
25	Laser Desorption/Ionization Time-of-Flight Mass Spectrometry on Solâ˜'Gel-Derived 2,5-Dihydroxybenzoic Acid Film. Analytical Chemistry, 2002, 74, 5793-5798.	6.5	85
26	The effect of the morphology of nanocrystalline CeO2 on ethanol reforming. Chemical Physics Letters, 2007, 441, 294-299.	2.6	77
27	Molecularly Imprinted TiO2-Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for Selectively Detecting Î±-Cyclodextrin. Analytical Chemistry, 2004, 76, 1453-1457.	6.5	76
28	Carbon nanotubes as affinity probes for peptides and proteins in MALDI MS analysis. Journal of the American Society for Mass Spectrometry, 2004, 15, 1629-1635.	2.8	74
29	Characterization of intactPenicillium spores by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 3564-3568.	1.5	74
30	Iron oxide/tantalum oxide coreâ€“shell magnetic nanoparticle-based microwave-assisted extraction for phosphopeptide enrichment from complex samples for MALDI MS analysis. Analytical and Bioanalytical Chemistry, 2009, 394, 2129-2136.	3.7	70
31	Detection of Phosphopeptides by Localized Surface Plasma Resonance of Titania-Coated Gold Nanoparticles Immobilized on Glass Substrates. Analytical Chemistry, 2006, 78, 6873-6878.	6.5	69
32	Detection of Staphylococcus aureus by Functional Gold Nanoparticle-Based Affinity Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2015, 87, 2114-2120.	6.5	69
33	Functional Nanoparticle-Based Proteomic Strategies for Characterization of Pathogenic Bacteria. Analytical Chemistry, 2008, 80, 9612-9621.	6.5	63
34	Multifunctional Fe₃O₄/alumina core/shell MNPs as photothermal agents for targeted hyperthermia of nosocomial and antibiotic-resistant bacteria. Nanomedicine, 2011, 6, 1353-1363.	3.3	63
35	Surface-assisted laser desorption/ionization mass spectrometry on titania nanotube arrays. Journal of the American Society for Mass Spectrometry, 2008, 19, 1014-1020.	2.8	62
36	Coffee-ring effects in laser desorption/ionization mass spectrometry. Analytica Chimica Acta, 2013, 766, 77-82.	5.4	59

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37	Nanomaterials for Photohyperthermia: A Review. Current Pharmaceutical Design, 2013, 19, 6622-6634.	1.9	57
38	Functional Fe3O4@ZnO magnetic nanoparticle-assisted enrichment and enzymatic digestion of phosphoproteins from saliva. Analytical and Bioanalytical Chemistry, 2010, 398, 2049-2057.	3.7	54
39	A novel approach of combining thin-layer chromatography with surface-assisted laser desorption/ionization (SALDI) time-of-flight mass spectrometry. Journal of Mass Spectrometry, 2002, 37, 85-90.	1.6	50
40	Antibacterial gold nanoparticle-based photothermal killing of vancomycin-resistant bacteria. Nanomedicine, 2018, 13, 1405-1416.	3.3	50
41	MALDI MS Analysis of Oligonucleotides:â€‰ Desalting by Functional Magnetite Beads Using Microwave-Assisted Extraction. Analytical Chemistry, 2007, 79, 8061-8066.	6.5	45
42	Time-resolved mass spectrometry. TrAC - Trends in Analytical Chemistry, 2013, 44, 106-120.	11.4	45
43	Analysis of small organics on planar silica surfaces using surface-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1899-1903.	1.5	41
44	Ultrasonication-assisted spray ionization mass spectrometry for on-line monitoring of organic reactions. Chemical Communications, 2010, 46, 8347.	4.1	38
45	Detection of ricin by using gold nanoclusters functionalized with chicken egg white proteins as sensing probes. Biosensors and Bioelectronics, 2017, 92, 410-416.	10.1	38
46	Rapid determination of trace nitrophenolic organics in water by combining solid-phase extraction with surface-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 86-90.	1.5	37
47	Capillary Action-Supported Contactless Atmospheric Pressure Ionization for the Combined Sampling and Mass Spectrometric Analysis of Biomolecules. Analytical Chemistry, 2011, 83, 2866-2869.	6.5	37
48	Ultrasonication-assisted spray ionization mass spectrometry for the analysis of biomolecules in solution. Journal of the American Society for Mass Spectrometry, 2010, 21, 1547-1553.	2.8	36
49	Analysis of the saliva from patients with oral cancer by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 364-369.	1.5	35
50	Identification of Pseudomonas aeruginosa using functional magnetic nanoparticle-based affinity capture combined with MALDI MS analysis. Analyst, The, 2009, 134, 2087.	3.5	35
51	Selective enrichment of ochratoxin A using human serum albumin bound magnetic beads as the concentrating probes for capillary electrophoresis/electrospray ionization-mass spectrometric analysis. Journal of Chromatography A, 2007, 1159, 250-255.	3.7	34
52	In situ determination of organic reaction products by combining thin layer chromatography with surface-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 821-825.	1.5	33
53	Reducing the Alkali Cation Adductions of Oligonucleotides Using Solâ^'Gel-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2003, 75, 4223-4228.	6.5	33
54	Using surfactants to enhance the analyte signals in activated carbon, surface-assisted laser desorption/ionization (SALDI) mass spectrometry. Journal of Mass Spectrometry, 2000, 35, 1278-1284.	1.6	30

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55	Sheathless Capillary Electrophoresis/Electrospray Ionization Mass Spectrometry Using a Pulled Bare Fused-Silica Capillary as the Electrospray Emitter. Analytical Chemistry, 2005, 77, 2071-2077.	6.5	30
56	Fe3O4/TiO2core/shell magnetic nanoparticle-based photokilling of pathogenic bacteria. Nanomedicine, 2010, 5, 1585-1593.	3.3	30
57	A compact 3D-printed interface for coupling open digital microchips with Venturi easy ambient sonic-spray ionization mass spectrometry. Analyst, The, 2015, 140, 1495-1501.	3.5	30
58	Iron Oxide/Niobium Oxide Coreâ€“Shell Magnetic Nanoparticle-Based Phosphopeptide Enrichment from Biological Samples for MALDI MS Analysis. Journal of Biomedical Nanotechnology, 2009, 5, 215-223.	1.1	28
59	Nanomaterial Based Affinity Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for Biomolecules and Pathogenic Bacteria. Recent Patents on Nanotechnology, 2007, 1, 99-111.	1.3	27
60	Online monitoring of chemical reactions by contactless atmospheric pressure ionization mass spectrometry. Journal of Mass Spectrometry, 2012, 47, 586-590.	1.6	27
61	Tail Fiber Protein-Immobilized Magnetic Nanoparticle-Based Affinity Approaches for Detection of Acinetobacter baumannii. Analytical Chemistry, 2019, 91, 10335-10342.	6.5	27
62	A twoâ€matrix system for MALDI MS analysis of serine phosphorylated peptides concentrated by Fe₃O₄/Al₂O₃ magnetic nanoparticles. Journal of Mass Spectrometry, 2008, 43, 538-541.	1.6	26
63	Functional gold nanoparticle-based antibacterial agents for nosocomial and antibiotic-resistant bacteria. Nanomedicine, 2016, 11, 2497-2510.	3.3	26
64	Magnetic Nanoparticle-Based Platform for Characterization of Histidine-Rich Proteins and Peptides. Analytical Chemistry, 2013, 85, 3347-3354.	6.5	25
65	Lysozymeâ€encapsulated gold nanoclusterâ€based affinity mass spectrometry for pathogenic bacteria. Rapid Communications in Mass Spectrometry, 2013, 27, 2143-2148.	1.5	25
66	Photoluminescent Gold Nanoclusters as Sensing Probes for Uropathogenic Escherichia coli. PLoS ONE, 2013, 8, e58064.	2.5	25
67	Using solâ€“gel/crown ether hybrid materials as desalting substrates for matrix-assisted laser desorption/ionization analysis of oligonucleotides. Rapid Communications in Mass Spectrometry, 2004, 18, 1421-1428.	1.5	24
68	Photochemical synthesis of polygonal gold nanoparticles. Journal of Nanoparticle Research, 2008, 10, 697-702.	1.9	24
69	Carbon Fiber Ionization Mass Spectrometry for the Analysis of Analytes in Vapor, Liquid, and Solid Phases. Analytical Chemistry, 2017, 89, 13458-13465.	6.5	23
70	Fiber introduction mass spectrometry: coupling solid-phase microextraction with sol-gel-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 1092-1094.	1.5	22
71	Semi-quantitative determination of cationic surfactants in aqueous solutions using gold nanoparticles as reporter probes. Analytical and Bioanalytical Chemistry, 2007, 387, 2091-2099.	3.7	22
72	Riboflavin immobilized Fe ₃ O ₄ magnetic nanoparticles carried with n -butylidenephthalide as targeting-based anticancer agents. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 210-220.	2.8	22

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73	Glass-chip-based sample preparation and on-chip trypic digestion for matrix-assisted laser desorption/ionization mass spectrometric analysis using a solâ€“gel/2,5-dihydroxybenzoic acid hybrid matrix. Rapid Communications in Mass Spectrometry, 2004, 18, 313-318.	1.5	21
74	Functional magnetic nanoparticle-based label free fluorescence detection of phosphorylated species. Chemical Communications, 2010, 46, 5674.	4.1	21
75	Automated system for extraction and instantaneous analysis of millimeter-sized samples. RSC Advances, 2014, 4, 10693.	3.6	21
76	Affinity capture using peptide-functionalized magnetic nanoparticles to target Staphylococcus aureus. Nanoscale, 2016, 8, 9217-9225.	5.6	21
77	Sensitivity enhancement for nitrophenols using cationic surfactant-modified activated carbon for solid-phase extraction surface-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 2300-2304.	1.5	20
78	Polarization induced electrospray ionization mass spectrometry for the analysis of liquid, viscous and solid samples. Journal of Mass Spectrometry, 2015, 50, 444-450.	1.6	20
79	Magnetic Nanoparticle-Based Platform for Characterization of Shiga-like Toxin 1 from Complex Samples. Analytical Chemistry, 2015, 87, 10513-10520.	6.5	20
80	Combination of Raman Spectroscopy and Mass Spectrometry for Online Chemical Analysis. Analytical Chemistry, 2016, 88, 9151-9157.	6.5	20
81	Determination of trace quaternary ammonium surfactants in water by combining solid-phase extraction with surface-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 2521-2525.	1.5	19
82	Qualitative determination of trace quantities of nonyl phenyl polyethylene glycol ether in water based on solid-phase microextraction combined with surface-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1243-1247.	1.5	19
83	Heavy chain of cytoplasmic dynein is a major component of the postsynaptic density fraction. Journal of Neuroscience Research, 2006, 84, 244-254.	2.9	19
84	Gold nanoparticle-based colorimetric sensing of dipicolinic acid from complex samples. Analytical and Bioanalytical Chemistry, 2018, 410, 1805-1815.	3.7	19
85	Laser desorption/ionization mass spectrometry on solâ€“gel-derived dihydroxybenzoic acid isomeric films. Rapid Communications in Mass Spectrometry, 2003, 17, 2683-2687.	1.5	18
86	Microwave-assisted sensing of tetracycline using europium-sensitized luminescence fibers as probes. Analytical and Bioanalytical Chemistry, 2009, 395, 1433-1439.	3.7	18
87	Microscale MALDI Imaging of Outer-Layer Lipids in Intact Egg Chambers fromDrosophila melanogaster. Analytical Chemistry, 2011, 83, 3918-3925.	6.5	18
88	Multilayer gold nanoparticle-assisted thermal desorption ambient mass spectrometry for the analysis of small organics. Analyst, The, 2010, 135, 2668.	3.5	17
89	Electrospray Modifications for Advancing Mass Spectrometric Analysis. Mass Spectrometry, 2017, 6, S0057-S0057.	0.6	15
90	Carbon fiber ionization mass spectrometry coupled with solid phase microextraction for analysis of Benzo[a]pyrene. Analytica Chimica Acta, 2019, 1049, 133-140.	5.4	15

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91	Carboxylateâ€Functionalized Iron Oxide Nanoparticles in Surfaceâ€Assisted Laser Desorption/Ionization Mass Spectrometry for the Analysis of Small Biomolecules. Analytical Letters, 2008, 41, 260-267.	1.8	14
92	Functional magnetic nanoparticle-based trapping and sensing approaches for label-free fluorescence detection of DNA. Talanta, 2011, 86, 200-207.	5.5	14
93	On-Target Labeling of Intracellular Metabolites Combined with Chemical Mapping of Individual Hyphae Revealing Cytoplasmic Relocation of Isotopologues. Analytical Chemistry, 2012, 84, 5110-5116.	6.5	14
94	Real time monitoring of accelerated chemical reactions by ultrasonication-assisted spray ionization mass spectrometry. Journal of Mass Spectrometry, 2014, 49, 50-56.	1.6	14
95	Dextran-encapsulated photoluminescent gold nanoclusters: synthesis and application. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	14
96	Functionalized gold nanoparticles as affinity nanoprobes for multiple lectins. Colloids and Surfaces B: Biointerfaces, 2018, 162, 60-68.	5.0	14
97	Functional Gold Nanoparticles as Sensing Probes for Concanavalin A and as Imaging Agents for Cancer Cells. ACS Applied Nano Materials, 2019, 2, 3348-3357.	5.0	14
98	Gold nanocluster-based fluorescence sensing probes for detection of dipicolinic acid. Analyst, The, 2019, 144, 3289-3296.	3.5	14
99	Magnetic Graphene Oxide-Based Affinity Surface-Assisted Laser Desorption/Ionization Mass Spectrometry for Screening of Aflatoxin B1 from Complex Samples. Analytical Chemistry, 2021, 93, 7310-7316.	6.5	14
100	A label-free sensing method for phosphopeptides using two-layer gold nanoparticle-based localized surface plasma resonance spectroscopy. Analytical and Bioanalytical Chemistry, 2011, 399, 1173-1180.	3.7	13
101	Tissue paper assisted spray ionization mass spectrometry. RSC Advances, 2015, 5, 94315-94320.	3.6	13
102	Using Dextran-encapsulated gold nanoparticles as insulin carriers to prolong insulin activity. Nanomedicine, 2017, 12, 1823-1834.	3.3	13
103	Detection of pesticide residues on intact tomatoes by carbon fiber ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 1095-1105.	3.7	13
104	Study of salt effects in ultrasonicationâ€assisted spray ionization mass spectrometry. Journal of Mass Spectrometry, 2012, 47, 480-483.	1.6	12
105	Microcontroller-Assisted Compensation of Adenosine Triphosphate Levels: Instrument and Method Development. Scientific Reports, 2015, 5, 8135.	3.3	12
106	Automatic Sampling and Analysis of Organics and Biomolecules by Capillary Action-Supported Contactless Atmospheric Pressure Ionization Mass Spectrometry. PLoS ONE, 2013, 8, e66292.	2.5	11
107	Synthesis of Oligomeric Mannosides and Their Structureâ€Binding Relationship with Concanavalinâ€…A. Chemistry - an Asian Journal, 2014, 9, 1786-1796.	3.3	11
108	Using gadolinium ions as affinity probes to selectively enrich and magnetically isolate bacteria from complex samples. Analytica Chimica Acta, 2020, 1113, 18-25.	5.4	10

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109	Recording temporal characteristics of convection currents by continuous and segmented-flow sampling. RSC Advances, 2012, 2, 12431.	3.6	9
110	On the dynamics of kefir volatome. RSC Advances, 2014, 4, 28865.	3.6	9
111	Photoluminescence Determination of Aluminum Using Glutathione-Capped Gold Nanoclusters. Analytical Letters, 2016, 49, 2246-2258.	1.8	9
112	Selective Detection of Shiga-like Toxin 1 from Complex Samples Using Pigeon Ovalbumin Functionalized Gold Nanoparticles as Affinity Probes. Journal of Agricultural and Food Chemistry, 2017, 65, 4359-4365.	5.2	9
113	Determination of calcium in complex samples using functional magnetic beads combined with electrodeless/sheathless electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 1995-1999.	1.5	8
114	Molecular recognition between insulin and dextran encapsulated gold nanoparticles. Journal of Molecular Recognition, 2016, 29, 528-535.	2.1	8
115	Reactive carbon fiber ionization-mass spectrometry for characterization of unsaturated hydrocarbons from plant aroma. Analytical and Bioanalytical Chemistry, 2020, 412, 5489-5497.	3.7	8
116	A hybrid nanoparticle matrix for mass spectrometry. RSC Advances, 2013, 3, 6865.	3.6	7
117	Ultrasonicationâ€assisted spray ionizationâ€based microâ€reactors for online monitoring of fast chemical reactions by mass spectrometry. Journal of Mass Spectrometry, 2019, 54, 26-34.	1.6	7
118	Dropletâ€based electrospray ionization mass spectrometry for qualitative and quantitative analysis. Journal of Mass Spectrometry, 2014, 49, 432-436.	1.6	6
119	Online monitoring of chemical reactions by polarization-induced electrospray ionization. Analytica Chimica Acta, 2016, 937, 106-112.	5.4	6
120	Analysis of volatile compounds by open-air ionization mass spectrometry. Analytica Chimica Acta, 2017, 966, 41-46.	5.4	6
121	Isotope Label-Aided Mass Spectrometry Reveals the Influence of Environmental Factors on Metabolism in Single Eggs of Fruit Fly. PLoS ONE, 2012, 7, e50258.	2.5	6
122	Syringe Infusion-based Contactless Atmospheric Pressure Ionization Mass Spectrometry for Small and Large Biomolecules. Mass Spectrometry Letters, 2012, 3, 87-92.	0.5	6
123	Multilayer gold nanoparticle-assisted protein tryptic digestion in solution and in gel under photothermal heating. Analytical and Bioanalytical Chemistry, 2011, 399, 377-385.	3.7	5
124	Revisiting the quantitative features of surface-assisted laser desorption/ionization mass spectrometric analysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150379.	3.4	5
125	Analysis of Gaseous Ammonia, Volatile Primary Amines and Quaternary Ammonium Salts at Subambient Temperature by Liquid Secondary Ion Mass Spectrometry. Journal of Mass Spectrometry, 1996, 31, 464-471.	1.6	4
126	One-Step Detection of Major Lipid Components in Submicroliter Volumes of Unpurified Liposome and Cell Suspensions. Analytical Chemistry, 2016, 88, 7337-7343.	6.5	4

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127	Capillary hydrodynamic chromatography reveals temporal profiles of cell aggregates. Analytica Chimica Acta, 2016, 910, 75-83.	5.4	4
128	Using Magnetic Ions to Probe and Induce Magnetism of Pyrophosphates, Bacteria, and Mammalian Cells. ACS Applied Materials & Interfaces, 2018, 10, 30837-30843.	8.0	4
129	Using lactosylated cysteine functionalized gold nanoparticles as colorimetric sensing probes for rapid detection of theÂricin B chain. Mikrochimica Acta, 2019, 186, 847.	5.0	4
130	A Tapered Capillary-Based Contactless Atmospheric Pressure Ionization Mass Spectrometry for On-Line Preconcentration and Separation of Small Organics. Separations, 2021, 8, 111.	2.4	4
131	Functional magnetic nanoparticleâ€“based affinity probe for MALDI mass spectrometric detection of ricin B. Mikrochimica Acta, 2021, 188, 339.	5.0	4
132	Rapid Detection of Pathogenic Bacteria by the Naked Eye. Biosensors, 2021, 11, 317.	4.7	4
133	Using an insulating fiber as the sampling probe and ionization substrate for ambient ionizationâ€“mass spectrometric analysis of volatile, semi-volatile, and polar analytes. Analytical and Bioanalytical Chemistry, 2022, 414, 4633-4643.	3.7	4
134	Selective extraction of n-butylidenephthalide from Angelica sinensis (Danggui) by using functionalized iron oxide magnetic nanoparticles as trapping probes. Analytical Methods, 2018, 10, 1593-1601.	2.7	3
135	Glycosylated protein-functionalized gold nanoparticle-based detection of heat-labile enterotoxin from complex samples. Sensors and Actuators B: Chemical, 2020, 322, 128640.	7.8	3
136	Ionization of Volatile Organics and Nonvolatile Biomolecules Directly from a Titanium Slab for Mass Spectrometric Analysis. Molecules, 2021, 26, 6760.	3.8	3
137	Microfluidic Chip Coupled with Thermal Desorption Atmospheric Pressure Ionization Mass Spectrometry. Mass Spectrometry, 2014, 3, S0026-S0026.	0.6	2
138	Analysis of small organics on planar silica surfaces using surfaceâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1899-1903.	1.5	2
139	Detection of Escherichia coli by Combining an Affinity-Based Method with Contactless Atmospheric Pressure Ionization Mass Spectrometry. Separations, 2022, 9, 13.	2.4	2
140	Direct Mass Spectrometric Analysis of Semivolatiles Derived from Real Samples at Atmospheric Pressure. ACS Omega, 2022, 7, 10255-10261.	3.5	2
141	Inhibition of the lethality of Shiga-like toxin-1 by functional gold nanoparticles. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 841-851.	2.8	1
142	A Role Model with Endless Enthusiasm for Science: In Memory of Tsutomu Masujima. Journal of the Mass Spectrometry Society of Japan, 2017, 65, 150-153.	0.1	0