Laser desorption ionization of proteins with molecular

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Citation Report

#	Article	IF	CITATIONS
1	An Introduction to High-Throughput Bioinformatics Data. , 2006, , 1-39.		4
2	Fast Atom Bombardment Mass Spectrometric Characterization of Peptides. , 1994, 36, 85-106.		O
3	Volatilization of high molecular weight DNA by pulsed laser ablation of frozen aqueous solutions. Science, 1989, 246, 1585-1587.	12.6	89
4	Electrospray Ionization for Mass Spectrometry of Large Biomolecules. Science, 1989, 246, 64-71.	12.6	6,875
5	Gas-phase sequencing after electroblotting on polyvinylidene difluoride membranes assigns correct molecular weights to myoglobin molecular weight markers. Analytical Biochemistry, 1989, 183, 1-8.	2.4	65
6	Laserdesorptionsâ€Massenspektrometrie von Proteinen mit Molmassen zwischen 100000 und 250000 Dalton. Angewandte Chemie, 1989, 101, 805-806.	2.0	81
7	Peptide and protein analysis by electrospray ionization-mass spectrometry and capillary electrophoresis-mass spectrometry. Analytical Biochemistry, 1989, 179, 404-412.	2.4	247
8	Laser Desorption/Ionization Mass Spectrometry of Proteins of Mass 100 000 to 250 000 Dalton. Angewandte Chemie International Edition in English, 1989, 28, 760-761.	4.4	158
9	Ultraviolet-laser desorption/ionization mass spectrometry of femtomolar amounts of large proteins. Biomedical & Environmental Mass Spectrometry, 1989, 18, 841-843.	1.6	145
10	Secondary electron emission induced by impact of low-velocity molecular ions on a microchannel plate. International Journal of Mass Spectrometry and Ion Processes, 1989, 92, 195-210.	1.8	85
11	UV laser matrix desorption/ionization mass spectrometry of proteins in the 100 000 dalton range. International Journal of Mass Spectrometry and Ion Processes, 1989, 92, 231-242.	1.8	200
12	Characterization of high molecular weight macrocycles by desorption chemical ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1989, 3, 106-109.	1.5	5
13	Sequence determination of multiply charged peptide molecular ions by electrospray-ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 1989, 3, 160-164.	1.5	115
14	Factors affecting the ultraviolet laser desorption of proteins. Rapid Communications in Mass Spectrometry, 1989, 3, 233-237.	1.5	330
15	Plasma-desorption mass spectrometry of intact enzymes and proenzymes. Rapid Communications in Mass Spectrometry, 1989, 3, 323-328.	1.5	16
16	Cinnamic acid derivatives as matrices for ultraviolet laser desorption mass spectrometry of proteins. Rapid Communications in Mass Spectrometry, 1989, 3, 432-435.	1.5	403
17	Matrix-assisted laser-desorption mass spectrometry using 355 nm radiation. Rapid Communications in Mass Spectrometry, 1989, 3, 436-439.	1.5	180
18	Plasma desorption mass spectrometry of peptides and proteins. Accounts of Chemical Research, 1989, 22, 421-427.	15.6	58

#	Article	IF	CITATIONS
19	Large scale experiments. Marine Pollution Bulletin, 1989, 20, 108-110.	5.0	1
20	Identification of a cell cycle-dependent gene product as a sialic acid-binding protein. Biochemical and Biophysical Research Communications, 1989, 163, 506-512.	2.1	19
21	Amino acid and tripeptide mixture analysis by laser desorption Fourier-transform mass spectrometry. Analytical Chemistry, 1989, 61, 1895-1900.	6. 5	9
22	Highlights of protein structural analysis. Trends in Biochemical Sciences, 1989, 14, 246-252.	7.5	25
23	Biomolecules in the gas phase: multiphoton ionization mass spectrometry. Accounts of Chemical Research, 1989, 22, 399-406.	15.6	70
24	Laser mass analysis in biology. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1989, 93, 396-402.	0.9	12
25	Chapter 27. Recent Developments in the Mass Spectrometry of Peptides and Proteins Annual Reports in Medicinal Chemistry, 1989, 24, 253-263.	0.9	3
26	Rapid, sensitive analysis of protein mixtures by mass spectrometry Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 6873-6877.	7.1	316
27	Electrospray ionization mass spectrometry of biomolecules. Nature, 1990, 345, 747-748.	27.8	41
28	Spectroscopic studies on the metal-ion-binding sites of Co2+-substituted D-xylose isomerase from Streptomyces rubiginosus. FEBS Journal, 1990, 193, 863-871.	0.2	28
29	Sputtering of bio-organic samples. Nuclear Instruments & Methods in Physics Research B, 1990, 48, 517-524.	1.4	31
30	LC/MS and LC/MS/MS determination of protein tryptic digests. Journal of the American Society for Mass Spectrometry, 1990, 1, 158-165.	2.8	106
31	Capillary-zone electrophoresis with fraction collection for desorption mass spectrometry. Rapid Communications in Mass Spectrometry, 1990, 4, 24-29.	1.5	26
32	Molecular weight determination of underivatized oligodeoxyribonucleotides by positive-ion matrix-assisted ultraviolet laser-desorption mass spectrometry. Rapid Communications in Mass Spectrometry, 1990, 4, 99-102.	1.5	88
33	Homogeneous bottleneck model of matrix-assisted ultraviolet laser desorption of large molecules. Rapid Communications in Mass Spectrometry, 1990, 4, 228-233.	1.5	86
34	Analysis of multi-domain cellulolytic enzymes by UV-laser induced desorption mass spectrometry. Rapid Communications in Mass Spectrometry, 1990, 4, 285-289.	1.5	36
35	Matrix-assisted infrared-laser (2.94 $\hat{1}\frac{1}{4}$ m) desorption/ionization mass spectrometry of large biomolecules. Rapid Communications in Mass Spectrometry, 1990, 4, 293-296.	1.5	195
36	The detection of large molecules in matrix-assisted UV-laser desorption. Rapid Communications in Mass Spectrometry, 1990, 4, 301-305.	1.5	60

#	ARTICLE	IF	Citations
37	Time-of-flight mass spectrometry of nucleic acids by laser ablation and ionization from a frozen aqueous matrix. Rapid Communications in Mass Spectrometry, 1990, 4, 348-351.	1.5	77
38	UV-laser-induced desorption mass spectrometry of insulin, substance P and A4 amyloid protein fragments from synthetic fibrillary aggregates. Rapid Communications in Mass Spectrometry, 1990, 4, 527-532.	1.5	8
39	Comparison of electrospray ionization and plasma desorption mass spectra of peptides and proteins. Biological Mass Spectrometry, 1990, 19, 286-294.	0.5	32
40	Structural characterization by mass spectrometry of native and recombinant human relaxin. Biological Mass Spectrometry, 1990, 19, 655-664.	0.5	64
41	Application of electrospray mass spectrometry to the characterization of recombinant proteins up to 44 kDa. Biological Mass Spectrometry, 1990, 19, 692-704.	0.5	73
42	Organic Synthesisâ€"Where now?. Angewandte Chemie International Edition in English, 1990, 29, 1320-1367.	4.4	535
43	Große Biomoleküle im Massenspektrometer. Angewandte Chemie, 1990, 102, A120.	2.0	1
44	Organische Synthese — wohin?. Angewandte Chemie, 1990, 102, 1363-1409.	2.0	213
45	Electrospray ionization-principles and practice. Mass Spectrometry Reviews, 1990, 9, 37-70.	5.4	1,511
46	The Wien filter and its application in chemistry. Mass Spectrometry Reviews, 1990, 9, 383-404.	5.4	11
47	Electrospray: Its potential and limitations as an ionization method for biomolecules. Organic Mass Spectrometry, 1990, 25, 575-587.	1.3	217
48	Sublimation versus fragmentation in matrix-assisted laser desorption. Chemical Physics Letters, 1990, 171, 284-290.	2.6	73
49	Ultraviolet laser ablation of polymers: Yield and spatial distribution of products deposition. Chemical Physics Letters, 1990, 168, 593-597.	2.6	22
50	Infrared laser-induced desorption of neutral organic compounds from frozen aqueous solution followed by single-photon ionization. International Journal of Mass Spectrometry and Ion Processes, 1990, 95, R1-R4.	1.8	26
51	The renaissance of time-of-flight mass spectrometry. International Journal of Mass Spectrometry and lon Processes, 1990, 99, 1-39.	1.8	42
52	Laser desorption ionization mass spectrometry of large biomolecules. TrAC - Trends in Analytical Chemistry, 1990, 9, 321-325.	11.4	101
53	[26] Liquid secondary ion mass spectrometry of phosphorylated and sulfated peptides and proteins. Methods in Enzymology, 1990, 193, 480-501.	1.0	63
54	[2] Mass analyzers. Methods in Enzymology, 1990, , 37-61.	1.0	24

#	Article	IF	Citations
55	[1] Methods of ionization. Methods in Enzymology, 1990, 193, 3-37.	1.0	16
56	Primary sequence information from intact proteins by electrospray ionization tandem mass spectrometry. Science, 1990, 248, 201-204.	12.6	278
57	Ultraviolet laser desorption/ionization mass spectrometry of proteins above 100,000 daltons by pulsed ion extraction time-of-flight analysis. Analytical Chemistry, 1990, 62, 793-796.	6.5	137
58	Laser desorption/ionization Fourier transform mass spectrometry and fast atom bombardment spectra of nonvolatile polymer additives. Analytical Chemistry, 1990, 62, 1167-1172.	6.5	36
59	Determination of [3H]-2,3,7,8-tetrachlorodibenzo-p-dioxin in human feces to ascertain its relative metabolism in man. Analytical Chemistry, 1990, 62, 796-800.	6.5	30
60	New developments in biochemical mass spectrometry: electrospray ionization. Analytical Chemistry, 1990, 62, 882-899.	6.5	1,092
61	High-accuracy molecular mass determination of proteins using matrix-assisted laser desorption mass spectrometry. Analytical Chemistry, 1990, 62, 1836-1840.	6.5	329
62	Mass spectrometry at high mass: virtues and vices of some new approaches. Trends in Pharmacological Sciences, 1990, 11, 99-101.	8.7	3
63	[12] Mass spectrometry of peptides and proteins by matrix-assisted ultraviolet laser desorption/ionization. Methods in Enzymology, 1990, 193, 280-295.	1.0	303
64	Fourier Transform Infrared Spectrometry Coupled with Cryogenic Trapping for the Study of Laser-Desorbed Species. Applied Spectroscopy, 1990, 44, 1399-1404.	2.2	1
65	Determination of hydrogen isotope separation factors on a microscopic scale by laser desorption. Journal of the Less Common Metals, 1990, 159, 307-313.	0.8	5
66	Novel method for matrix-assisted laser mass spectrometry of proteins. Analytical Chemistry, 1991, 63, 450-453.	6.5	86
67	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry of Biopolymers. Analytical Chemistry, 1991, 63, 1193A-1203A.	6.5	1,326
68	New methods in mass spectrometry of proteins. Trends in Food Science and Technology, 1991, 2, 251-253.	15.1	2
69	Integration of mass spectrometry in analytical biotechnology. Analytical Chemistry, 1991, 63, 2802-2824.	6.5	248
70	Application of Reversed Phase High Performance Liquid Chromatography and Plasma Desorption Mass Spectrometry for the Characterization of a Hemoglobin Variant. Hemoglobin, 1991, 15, 497-507.	0.8	6
71	Mass spectrometric identification of the amino donor and acceptor sites in a transglutaminase protein substrate secreted from rat seminal vesicles. Biochemistry, 1991, 30, 3114-3120.	2.5	51
72	Structural characterization of protein tryptic peptides via liquid chromatography/mass spectrometry and collision-induced dissociation of their doubly charged molecular ions. Analytical Chemistry, 1991, 63, 1193-1200.	6.5	798

#	ARTICLE	IF	CITATIONS
73	Matrix-assisted UV-laser desorption/ionization mass spectrometric analysis of monoclonal antibodies for the determination of carbohydrate, conjugated chelator, and conjugated drug content. Analytical Chemistry, 1991, 63, 2470-2481.	6.5	90
74	Controlling the dissociation of peptide ions using laser desorption/chemical ionization Fourier transform mass spectrometry. Analytical Chemistry, 1991, 63, 65-69.	6.5	26
75	The analysis of underivatised oligosaccharides by Matrix-Assisted Laser Desorption Mass Spectrometry. Biochemical and Biophysical Research Communications, 1991, 177, 644-651.	2.1	137
76	Laser desorption of peptide molecules and ions using 193 nm radiation. Lecture Notes in Physics, 1991, , 174-179.	0.7	0
77	LAser Microprobe Mass Spectrometry (LAMMS) in dental science: basic principles, instrumentation, and applications., 1991, 1424, 106.		0
78	Matrix-assisted laser desorption and ionization of biomolecules. Lecture Notes in Physics, 1991, , 149-153.	0.7	0
79	Laser desorption and multiphoton ionization of some smaller biomolecules: Recent results and prospects. Lecture Notes in Physics, 1991, , 137-148.	0.7	1
80	Applications of matrix-assisted laser desorption fourier transform mass spectrometry for biomolecules. Lecture Notes in Physics, 1991, , 160-164.	0.7	0
81	The integration of mass spectrometry into the biochemistry laboratory. Biochemical Society Transactions, 1991, 19, 948-953.	3.4	9
82	Laser desorption multiphoton ionization mass spectrometry. Journal of Analytical and Applied Pyrolysis, 1991, 20, 47-56.	5.5	5
83	Ion decomposition versus molecular size probed by vacuum ultraviolet photoionization. Journal of the American Society for Mass Spectrometry, 1991, 2, 103-107.	2.8	12
84	Electrospray mass spectrometry for the analysis of opioid peptides and for the quantification of endogenous methionine enkephalin and \hat{l}^2 -endorphin. Journal of the American Society for Mass Spectrometry, 1991, 2, 149-156.	2.8	29
85	Investigation of UV matrix-assisted laser desorption fourier transform mass spectrometry for peptides. Journal of the American Society for Mass Spectrometry, 1991, 2, 22-28.	2.8	54
86	Detection of femtomole and sub-femtomole levels of peptides by tandem magnetic sector/reflectron time-of-flight mass spectrometry and matrix-assisted laser desorption ionization. Journal of the American Society for Mass Spectrometry, 1991, 2, 91-94.	2.8	52
87	Structural analysis of biologically active peptides and recombinant proteins and their modified counterparts by mass spectrometry. Biomedical Applications, 1991, 562, 377-389.	1.7	11
88	On the desorption of electrosprayed organic compounds from supporting metal foils by laser induced pressure waves. International Journal of Mass Spectrometry and Ion Processes, 1991, 103, 203-218.	1.8	33
89	Mass spectrometry of proteins: studies of parvalbumins by plasma desorption, laser desorption and electrospray mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1991, 111, 151-172.	1.8	9
90	Particle- and photon-induced mass spectrometry of proteins. A physicist's view. Analytica Chimica Acta, 1991, 247, 265-275.	5.4	15

#	Article	IF	Citations
91	Design and performance of a matrix-assisted laser desorption time-of-flight mass spectrometer utilizing a pulsed nitrogen laser. Analytica Chimica Acta, 1991, 248, 541-552.	5.4	18
92	Small molecules as substrates for adsorption/desorption in 252CF plasma desorption mass spectrometry. Journal of the American Society for Mass Spectrometry, 1991, 2, 29-32.	2.8	19
93	Applications of mass spectrometry to DNA sequencing. Genetic Analysis, Techniques and Applications, 1991, 8, 223-229.	1.5	16
94	Purple acid phosphatase from bovine spleen. Interactions at the active site in relation to the reaction mechanism. FEBS Journal, 1991, 199, 105-113.	0.2	92
95	Recent developments in mass spectrometry: A review of instrumentation and applications. Organic Mass Spectrometry, 1991, 26, 374-388.	1.3	4
96	A chloroform-resistant, low-molecular-mass matrix for 252 Cf-plasma desorption mass spectrometry. Organic Mass Spectrometry, 1991, 26, 804-806.	1.3	11
97	Matrix-assisted laser desorption of neutral organic molecules. Organic Mass Spectrometry, 1991, 26, 1052-1056.	1.3	13
98	Analytical applications of matrix-assisted laser desorption and ionization mass spectrometry. Biological Mass Spectrometry, 1991, 20, 471-478.	0.5	15
99	Evaluation of peptide/metal ion interactions by UV laser desorption time-of-flight mass spectrometry. Journal of Molecular Recognition, 1991, 4, 151-153.	2.1	19
100	Liquid matrices for liquid secondary ion mass spectrometry-fast atom bombardment: An update. Mass Spectrometry Reviews, 1991, 10, 283-301.	5.4	46
101	Matrix-assisted laser desorption ionization mass spectrometry. Mass Spectrometry Reviews, 1991, 10, 335-357.	5.4	335
102	Principles and practice of electrospray ionizationâ€"mass spectrometry for large polypeptides and proteins. Mass Spectrometry Reviews, 1991, 10, 359-452.	5.4	565
103	Velocity distributions of intact high mass polypeptide molecule ions produced by matrix assisted laser desorption. Chemical Physics Letters, 1991, 181, 479-484.	2.6	271
104	Laser micro mass analysis of bulk polymeric samples. Mikrochimica Acta, 1991, 103, 245-260.	5.0	6
105	252Cf-plasma desorption and cesium-ion liquid secondary-ion mass spectrometric analysis of recombinant proteins. Rapid Communications in Mass Spectrometry, 1991, 5, 81-85.	1.5	5
106	Properties of matrix-assisted laser desorption. Measurements with a time-to-digital converter. Rapid Communications in Mass Spectrometry, 1991, 5, 117-123.	1.5	146
107	Matrix-assisted laser desorption of large biomolecules with a TEA-CO2-laser. Rapid Communications in Mass Spectrometry, 1991, 5, 128-131.	1.5	131
108	Matrix/sample interactions in ultraviolet laser-desorption of proteins. Rapid Communications in Mass Spectrometry, 1991, 5, 145-148.	1.5	51

#	ARTICLE	IF	CITATIONS
109	Metastable decay of peptides and proteins in matrix-assisted laser-desorption mass spectrometry. Rapid Communications in Mass Spectrometry, 1991, 5, 198-202.	1.5	223
110	Fast protein sequence determination with matrix-assisted laser desorption and ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1991, 5, 319-326.	1.5	55
111	Energetics of gramicidin S after UV laser desorption from a ferulic acid matrix. Rapid Communications in Mass Spectrometry, 1991, 5, 378-382.	1.5	98
112	Matrix-assisted laser desorption ionization with a magnetic mass spectrometer. Rapid Communications in Mass Spectrometry, 1991, 5, 395-399.	1.5	41
113	Laser-pulse ejection of organic molecules from a matrix: Lessons from fast-ion-induced ejection. Rapid Communications in Mass Spectrometry, 1991, 5, 574-578.	1.5	50
114	A matrix-assisted laser desorption time-of-flight mass spectrometer based on a 600ps, 1.2 mJ nitrogen laser. Rapid Communications in Mass Spectrometry, 1991, 5, 611-617.	1.5	34
115	lon counting and ion intensity measurements in time-of-flight mass spectrometry. Application to matrix-assisted laser desorption. Rapid Communications in Mass Spectrometry, 1991, 5, 632-637.	1.5	17
116	<title>Matrix-assisted laser desorption by Fourier transform mass spectrometry</title> ., 1991, , .		13
117	Production and fragmentation of molybdenum oxide ions. Journal of Chemical Physics, 1992, 96, 691-699.	3.0	22
118	Weighing naked proteins: practical, high-accuracy mass measurement of peptides and proteins. Science, 1992, 257, 1885-1894.	12.6	424
119	Analysis of the five glycosylation sites of human $\langle i \rangle \hat{l} \pm \langle i \rangle 1$ -acid glycoprotein. Biochemical Journal, 1992, 283, 105-112.	3.7	160
120	Infrared laser multiphoton dissociation of proton-bound dimers of biomolecules: a new method to probe the acid-base properties of local sites in complex molecules., 1992,,.		2
121	Development of a Simple and Highly Sensitive Microbalance for Measurements of Total Particle Yields in Matrix Assisted Laser Desorption. Materials Research Society Symposia Proceedings, 1992, 285, 181.	0.1	1
122	Molar mass determination of macromolecular compounds by matrixâ€assisted laser desorption ionization mass spectrometry. Makromolekulare Chemie Macromolecular Symposia, 1992, 61, 397-404.	0.6	16
123	Characterization of proteins by mass spectrometry. Invited lecture. Analyst, The, 1992, 117, 299.	3.5	6
124	Determination of the Hapten Density of Immuno-Conjugates by Matrix-Assisted UV Laser Desorption/Ionization Mass Spectrometry. Analytical Letters, 1992, 25, 1983-1997.	1.8	37
125	Mass Spectrometry of Peptides and Proteins. Annual Review of Biochemistry, 1992, 61, 977-1010.	11.1	361
126	Characterization of an extracellular \hat{l}^2 -1,3-glucanase of Claviceps purpurea. Physiological and Molecular Plant Pathology, 1992, 40, 191-201.	2.5	17

#	Article	IF	CITATIONS
127	Matrix-assisted laser desorption mass spectrometry of rhodopsin and bacteriorhodopsin. Biophysical Journal, 1992, 63, 1240-1243.	0.5	46
128	Application of plasma desorption mass spectrometry to molecular weight determination of human interleukin-4 secreted by a Chinese hamster ovary cell line. Analytical Chemistry, 1992, 64, 2303-2305.	6.5	1
129	High-yield covalent attachment of epidermal growth factor to its receptor by kinetically controlled, stepwise affinity cross-linking. Biochemistry, 1992, 31, 7341-7346.	2.5	7
130	Axial introduction of laser-desorbed ions into a quadrupole ion trap mass spectrometer. Analytical Chemistry, 1992, 64, 2079-2083.	6.5	19
131	Matrix-assisted laser desorption mass spectrometry of proteins isolated by capillary zone electrophoresis. Analytical Chemistry, 1992, 64, 1594-1600.	6.5	58
132	Mass-to-charge ratio upper limits for matrix-assisted laser desorption Fourier transform ion cyclotron resonance mass spectrometry. Analytical Chemistry, 1992, 64, 1461-1469.	6.5	16
133	Complete amino acid sequence determinations demonstrate identity of the urinary Bence Jones protein (BJP-DIA) and the amyloid fibril protein (AL-DIA) in a case of AL-amyloidosis. Biochemistry, 1992, 31, 3265-3272.	2.5	33
134	Neutral-ion correlation measurements: a novel tandem mass spectrometry data acquisition mode for tandem magnetic sector/reflectron time-of-flight instruments. Analytical Chemistry, 1992, 64, 754-762.	6.5	14
135	Human interleukin-3 contains a discontinuous zinc binding domain. Biochemical and Biophysical Research Communications, 1992, 187, 859-866.	2.1	5
136	Recognition of transition metal ions by peptides Identification of specific metal-binding peptides in proteolytic digest maps by UV laser desorption time-of-flight mass spectrometry. FEBS Letters, 1992, 296, 99-102.	2.8	31
137	Synthesis and characterization of a 25-residue rubredoxin(II)-like metalloprotein and its valine-leucine mutant. FEBS Letters, 1992, 312, 219-222.	2.8	4
138	Mass spectrometric analysis of a transition-metal-binding peptide using matrix-assisted leaser-desorption time-of-flight mass spectrometry. A demonstration of probe tip chemistry. Rapid Communications in Mass Spectrometry, 1992, 6, 4-8.	1.5	49
139	The correct molecular weight of myoglobin, a common calibrant for mass spectrometry. Rapid Communications in Mass Spectrometry, 1992, 6, 32-36.	1.5	85
140	Matrix-assisted laser desorption with ultra-short laser pulses. Rapid Communications in Mass Spectrometry, 1992, 6, 187-191.	1.5	54
141	Matrix-assisted laser desorption mass spectrometry of oligodeoxythmidylic acids. Rapid Communications in Mass Spectrometry, 1992, 6, 209-213.	1.5	48
142	Matrix-assisted laser desorption/ionization of high-mass molecules by Fourier-transform mass spectrometry. Rapid Communications in Mass Spectrometry, 1992, 6, 239-241.	1.5	128
143	A compact time-of-flight mass spectrometer for the structural analysis of biological molecules using laser desorption. Rapid Communications in Mass Spectrometry, 1992, 6, 242-248.	1.5	25
144	Matrix-assisted laser desorption using a fast-atom bombardment ion source and a magnetic mass spectrometer. Rapid Communications in Mass Spectrometry, 1992, 6, 298-302.	1.5	45

#	Article	IF	CITATIONS
145	Mass spectrometry of laser-desorbed oligonucleotides. Rapid Communications in Mass Spectrometry, 1992, 6, 365-368.	1.5	62
146	Mass spectrometry of DNA mixtures by laser ablation from frozen aqueous solution. Rapid Communications in Mass Spectrometry, 1992, 6, 631-636.	1.5	49
147	Kinetic energy measurements of molecular ions ejected into an electric field by matrix-assisted laser desorption. Rapid Communications in Mass Spectrometry, 1992, 6, 671-678.	1.5	94
148	Ion detection limitations to mass resolution in matrix-assisted laser desorption time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1992, 6, 690-696.	1.5	6
149	Opimizing signal and mass resolution for matrix-assisted laser desorption utilizing a linear time-of-flight mass spectrometer. Rapid Communications in Mass Spectrometry, 1992, 6, 697-701.	1.5	11
150	Matrix-assisted laser desorption/ionization inside a quadrupole ion-trap detector cell. Rapid Communications in Mass Spectrometry, 1992, 6, 753-757.	1.5	42
151	Matrix-assisted laser desorption/ionization mass spectrometry of nucleic acids with wavelengths in the ultraviolet and infrared. Rapid Communications in Mass Spectrometry, 1992, 6, 771-776.	1.5	280
152	Amino acid sequence of a protease inhibitor isolated from <i>Sarcophaga bullata</i> determined by mass spectrometry. Protein Science, 1992, 1, 278-288.	7.6	32
153	The role of mass spectrometry in glycobiology. Glycoconjugate Journal, 1992, 9, 1-12.	2.7	14
154	Tandem Mass Spectrometry of Small, Multiply Charged Oligonucleotides. Journal of the American Society for Mass Spectrometry, 1992, 3, 60-70.	2.8	508
155	Potassium halide adducts as reagent ions in infrared laser desorption/ionization fourier transform ion cyclotron resonance mass spectrometry. Journal of the American Society for Mass Spectrometry, 1992, 3, 301-310.	2.8	5
156	Pattern-based algorithm for peptide sequencing from tandem high energy collision-induced dissociation mass spectra. Journal of the American Society for Mass Spectrometry, 1992, 3, 326-336.	2.8	67
157	Energy deposition in iron pentacarbonyl ions undergoing surface-induced dissociation in a fourier transform mass spectrometer. Journal of the American Society for Mass Spectrometry, 1992, 3, 445-450.	2.8	9
158	Lasers in mass spectrometry. TrAC - Trends in Analytical Chemistry, 1992, 11, 384-388.	11.4	6
159	Synthetic metal-binding protein surface domains for metal ion-dependent interaction chromatography. Journal of Chromatography A, 1992, 604, 125-132.	3.7	32
160	Mass spectrometers: instrumentation. International Journal of Mass Spectrometry and Ion Processes, 1992, 118-119, 1-36.	1.8	23
161	Progress in mass spectrometry of nucleic acid constituents: analysis of xenobiotic modifications and measurements at high mass. International Journal of Mass Spectrometry and Ion Processes, 1992, 118-119, 593-615.	1.8	44
162	"High masses― International Journal of Mass Spectrometry and Ion Processes, 1992, 118-119, 635-659.	1.8	4

#	Article	IF	CITATIONS
163	Status of, and developments in, mass spectrometry of peptides and proteins. International Journal of Mass Spectrometry and Ion Processes, 1992, 118-119, 789-809.	1.8	14
164	Rapid, sensitive analysis of protein mixtures by mass spectrometry. Fresenius' Journal of Analytical Chemistry, 1992, 343, 25-25.	1.5	1
165	Laser desorption mass spectrometry of biomacromolecules. Fresenius' Journal of Analytical Chemistry, 1992, 343, 27-27.	1.5	0
166	How to get and use Mr-information in protein chemistry. Fresenius' Journal of Analytical Chemistry, 1992, 343, 27-28.	1.5	0
167	Comparative investigations on the amino-acid sequences of different isolectins from the sponge Axinella polypoides (Schmidt). BBA - Proteins and Proteomics, 1992, 1159, 1-8.	2.1	21
168	Mass measurement at high molecular weight — new tools for biotechnologists. Trends in Biotechnology, 1992, 10, 432-441.	9.3	21
169	Correlations of lone pair ionization energies with proton affinities of amino acids and related compounds. Site specificity of protonation. International Journal of Mass Spectrometry and Ion Processes, 1992, 117, 83-99.	1.8	80
170	Desorption methods in mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1992, 118-119, 265-287.	1.8	26
171	Recent advances in protein sequencing by mass spectrometry: Introduction and overview. The Protein Journal, 1992, 11, 372-373.	1.1	0
172	Resolution of a protein sequence ambiguity by X-ray crystallographic and mass spectrometric methods. Journal of Applied Crystallography, 1992, 25, 205-210.	4.5	8
173	The structure of pneumococcal lipoteichoic acid. Improved preparation, chemical and mass spectrometric studies. FEBS Journal, 1992, 207, 1063-1075.	0.2	134
174	Matrix-Assisted Laser Desorption Mass Spectrometry of Lignins**. Angewandte Chemie International Edition in English, 1992, 31, 762-764.	4.4	48
175	Peptide-metal ion interactions in solution: Detection by laser desorption time-of-flight mass spectrometry and electrospray ionization mass spectrometry. Biological Mass Spectrometry, 1992, 21, 151-159.	0.5	46
176	Matrix-assisted laser desorption/ionization using a liquid matrix: Formation of high-mass cluster ions from proteins. Organic Mass Spectrometry, 1992, 27, 53-56.	1.3	63
177	α-Cyano-4-hydroxycinnamic acid as a matrix for matrixassisted laser desorption mass spectromtry. Organic Mass Spectrometry, 1992, 27, 156-158.	1.3	394
178	Suppression of matrix ions in ultraviolet laser desorption: Scanning electron microscopy and raman spectroscopy of the solid samples. Organic Mass Spectrometry, 1992, 27, 188-194.	1.3	47
179	Role of photoionization and photochemistry in ionization processes of organic molecules and relevance for matrix-assisted laser desorption lonization mass spectrometry. Organic Mass Spectrometry, 1992, 27, 472-480.	1.3	302
180	Matrix-assisted ultraviolet laser desorption: Evolution and principles. Organic Mass Spectrometry, 1992, 27, 653-659.	1.3	82

#	Article	IF	CITATIONS
181	Preservation of non-covalent associations in electrospray ionization mass spectrometry: Multiply charged polypeptide and protein dimers. Organic Mass Spectrometry, 1992, 27, 811-821.	1.3	150
182	Are proton transfer reactions of excited states involved in UV laser desorption ionization?. Organic Mass Spectrometry, 1992, 27, 827-830.	1.3	76
183	Matrix-assisted laser desorption at visible wavelengths usign a two-component matrix. Organic Mass Spectrometry, 1992, 27, 831-832.	1.3	45
184	The analysis of water-soluble polymers by matrix-assisted laser desorption time-of-flight mass spectrometry. Organic Mass Spectrometry, 1992, 27, 843-846.	1.3	195
185	Phenomenological models for matrix-assisted laser desorption ion yields near the threshold fluence. Organic Mass Spectrometry, 1992, 27, 864-868.	1.3	42
186	Matrixunterstützte Laserdesorptionsâ€Massenspektrometrie von Ligninen. Angewandte Chemie, 1992, 104, 777-779.	2.0	9
187	Photodissociation studies of small peptide ions by Fourier transform mass spectrometry. Organic Mass Spectrometry, 1993, 28, 437-444.	1.3	12
188	Matrix-assisted laser desorption mass spectrometry of homopolymer oligodeoxyribonucleotides. Influence of base composition on the mass spectrometric response. Organic Mass Spectrometry, 1993, 28, 1353-1361.	1.3	72
189	Growing protein-doped sinapic acid crystals for laser desorption: An alternative preparation method for difficult samples. Organic Mass Spectrometry, 1993, 28, 1424-1429.	1.3	69
190	Laser-induced electron impact ionization in a reflectron time-of-flight mass spectrometer. Organic Mass Spectrometry, 1993, 28, 1467-1475.	1.3	14
191	Threshold fluences for production of positive and negative ions in matrix-assisted laser desorption/ionisation using liquid and solid matrices. Chemical Physics Letters, 1993, 202, 93-100.	2.6	29
192	Neutralization of negatively charged oligonucleotides. Chemical Physics Letters, 1993, 212, 451-457.	2.6	9
193	Analysis of epoxy resins by matrix-assisted laser desorption/ionization mass spectrometry. Angewandte Makromolekulare Chemie, 1993, 212, 191-200.	0.2	31
194	Use of mass spectrometric molecular weight information to identify proteins in sequence databases. Biological Mass Spectrometry, 1993, 22, 338-345.	0.5	832
195	Determination of the loading values for high levels of drugs and sugars conjugated to proteins by matrix-assisted ultraviolet laser desorption/ionization mass spectrometry. Biological Mass Spectrometry, 1993, 22, 369-376.	0.5	13
196	252Cf-plasma desorption mass spectrometry l—A historical perspective. Biological Mass Spectrometry, 1993, 22, 677-680.	0.5	9
197	Applications of matrix-assisted techniques in plasma desorption mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1993, 126, 151-156.	1.8	2
198	Mass spectrometric analysis of a GPI-anchored protein: The scrapie prion protein. TrAC - Trends in Analytical Chemistry, 1993, 12, 239-248.	11.4	13

#	Article	IF	CITATIONS
199	Structural characterisation of native and recombinant forms of the neurotrophic cytokine MK. Journal of Chromatography A, 1993, 646, 213-225.	3.7	71
200	Application of electrospray mass spectrometry in probing protein-protein and protein-ligand noncovalent interactions. Journal of the American Society for Mass Spectrometry, 1993, 4, 624-630.	2.8	57
201	Application of electrospray mass spectrometry and matrix-assisted laser desorption ionization time-of-flight mass spectrometry for molecular weight assignment of peptides in complex mixtures. Journal of the American Society for Mass Spectrometry, 1993, 4, 670-684.	2.8	41
202	High-resolution mass spectrometry of large molecules in a linear time-of-flight mass spectrometer. Journal of the American Society for Mass Spectrometry, 1993, 4, 2-10.	2.8	26
203	The effect of ion size on rate of dissociation: RRKM calculations on model large polypeptide ions. Journal of the American Society for Mass Spectrometry, 1993, 4, 11-15.	2.8	55
204	Utility of N-peracetylation of proteins for their structure determination by mass spectrometry. Journal of the American Society for Mass Spectrometry, 1993, 4, 87-96.	2.8	3
205	Off-line coupling of capillary electrophoresis with matrix-assisted laser desorption mass spectrometry. Journal of Chromatography A, 1993, 647, 367-374.	3.7	50
206	Mass spectrometry of proteins and peptides in biotechnology. Current Opinion in Biotechnology, 1993, 4, 412-419.	6.6	37
207	High resolution accurate mass measurement of product ions formed in an electrospray source on a sector instrument. Rapid Communications in Mass Spectrometry, 1993, 7, 12-15.	1.5	18
208	Matrix-assisted laser desorption of peptides and proteins using a quadrupole ion trap mass spectrometer. Rapid Communications in Mass Spectrometry, 1993, 7, 27-32.	1.5	45
209	Matrix-assisted laser desorption time-of-flight mass spectrometry of oligonucleotides using 3-hydroxypicolinic acid as an ultraviolet-sensitive matrix. Rapid Communications in Mass Spectrometry, 1993, 7, 142-146.	1.5	279
210	Antisense DNA oligonucleotides II: The use of matrix-assisted laser desorption/ionization mass spectrometry for the sequence verification of methylphosphonate oligodeoxyribonucleotides. Rapid Communications in Mass Spectrometry, 1993, 7, 195-200.	1.5	73
211	Determination of sulfated peptides via prompt fragmentation by UV matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1993, 7, 201-204.	1.5	49
212	In situ reduction suitable for matrix-assisted laser desorption/ionization and liquid secondary ionization using tris(2-carboxyethyl)phosphine. Rapid Communications in Mass Spectrometry, 1993, 7, 225-228.	1.5	28
213	Plasma desorption mass spectrometry of anthocyanidins. Rapid Communications in Mass Spectrometry, 1993, 7, 400-403.	1.5	17
214	Direct observation of UV-crosslinked protein-nucleic acid complexes by matrix-assisted laser desorption lonization mass spectrometry. Rapid Communications in Mass Spectrometry, 1993, 7, 496-501.	1.5	58
215	Selective elimination of low-molecular-weight ions in MALDI-TOF mass spectrometry using a bipolar pulsed electrostatic particle guide. Rapid Communications in Mass Spectrometry, 1993, 7, 502-506.	1.5	3
216	Simultaneous detection of ions and neutrals produced by matrix-assisted laser desorption. Rapid Communications in Mass Spectrometry, 1993, 7, 569-575.	1.5	79

#	Article	IF	CITATIONS
217	New desorption strategies for the mass spectrometric analysis of macromolecules. Rapid Communications in Mass Spectrometry, 1993, 7, 576-580.	1.5	587
218	A new method of trapping ions produced by matrix-assisted laser desorption lonization in a quadrupole ion trap. Rapid Communications in Mass Spectrometry, 1993, 7, 822-827.	1.5	39
219	Matrix-assisted laser desorption/ionization Fourier-transform mass spectrometry of oligodeoxyribonucleotides. Rapid Communications in Mass Spectrometry, 1993, 7, 828-836.	1.5	44
220	Enhancement of resolution in matrix-assisted laser desorption using an ion-trap storage/reflectron time-of-flight mass spectrometer. Rapid Communications in Mass Spectrometry, 1993, 7, 837-843.	1.5	30
221	Quantitative applications of matrix-assisted laser desorption/ionization with time-of-flight mass spectrometry: Determination of copolymer composition in bacterial copolyesters. Rapid Communications in Mass Spectrometry, 1993, 7, 1033-1036.	1.5	51
222	Matrix isolation applied to the 252Cf plasma-desorption mass spectrometry of underivatized oligosaccharides. Rapid Communications in Mass Spectrometry, 1993, 7, 1041-1047.	1.5	10
223	Analytical and micropreparative peptide mapping by high performance liquid chromatography/electrospray mass spectrometry of proteins purified by gel electrophoresis. Protein Science, 1993, 2, 1342-1351.	7.6	103
224	Isolation and characterization of a resistant core peptide of recombinant human granulocyteâ€macrophage colonyâ€stimulating factor (gmâ€ɛsf); confirmation of the gmâ€ɛsf amino acid sequence by mass spectrometry. Protein Science, 1993, 2, 1948-1958.	7.6	14
225	Rapid identification of proteins by peptide-mass fingerprinting. Current Biology, 1993, 3, 327-332.	3.9	1,571
226	A corrected primary structure for dog-fish Scylliorhinus caniculus protamine Z3. BBA - Proteins and Proteomics, 1993, 1162, 99-104.	2.1	6
227	Angular and time resolved intensity distributions of laser-desorbed matrix ions. Nuclear Instruments & Methods in Physics Research B, 1993, 82, 379-385.	1.4	52
228	Matrix-assisted laser desorption ionization time-of-flight mass spectrometry: a powerful tool for the mass and sequence analysis of natural and modified oligonucleotides. Nucleic Acids Research, 1993, 21, 3191-3196.	14.5	466
229	Surface induced dissociation for tandem time-of-flight mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1993, 123, 233-241.	1.8	34
230	Structural chacracterization of polypeptides and proteins by combination of capillary electrophoresis and 252Cf plasma desorption mass spectrometry. Journal of Chromatography A, 1993, 628, 111-121.	3.7	15
231	Maximum-Likelihood Restoration Data Processing Techniques Applied to Matrix-Assisted Laser Desorption Mass Spectra. Applied Spectroscopy, 1993, 47, 103-110.	2.2	6
232	Quantitative Analysis of Peptides by Matrix-Assisted Laser Desorption/Ionization Time-Of-Flight Mass Spectrometry. Applied Spectroscopy, 1993, 47, 1091-1092.	2.2	33
233	Characterisation of a novel cysteine/histidine-rich metal binding domain fromXenopusnuclear factor XNF7. FEBS Letters, 1993, 335, 255-260.	2.8	37
234	Hydrodynamic model of matrix-assisted laser desorption mass spectrometry. Analytical Chemistry, 1993, 65, 2389-2393.	6.5	104

#	Article	IF	CITATIONS
235	lon stability of nucleic acids in infrared matrix-assisted laser desorption/ionization mass spectrometry. Nucleic Acids Research, 1993, 21, 3347-3357.	14.5	193
236	Factors affecting electrospray ionization of effluents containing trifluoroacetic acid for high-performance liquid chromatography/mass spectrometry. Analytical Chemistry, 1993, 65, 3528-3533.	6.5	98
238	Epitaxial protein inclusion in sinapic acid crystals. Journal Physics D: Applied Physics, 1993, 26, 442-447.	2.8	106
239	Liquid mixtures for matrix-assisted laser desorption. Analytical Chemistry, 1993, 65, 2608-2613.	6.5	67
240	Interaction of laser radiation with solid materials and its significance to analytical spectrometry. A review. Journal of Analytical Atomic Spectrometry, 1993, 8, 145.	3.0	127
241	Characterization of protease processing sites during conversion of rat profilaggrin to filaggrin. Biochemistry, 1993, 32, 10036-10045.	2.5	49
242	Preparation and characterization of a bifunctionally spin-labeled mutant of murine epidermal growth factor for saturation-transfer electron paramagnetic resonance studies of the growth factor/receptor complex. Biochemistry, 1993, 32, 7893-7903.	2.5	14
243	Ultrahigh resolution matrix-assisted laser desorption/ionization of small proteins by Fourier-transform mass spectrometry. Analytical Chemistry, 1993, 65, 2621-2627.	6.5	106
244	Investigation of a "screened" electrostatic ion trap for analysis of high mass molecules by Fourier transform mass spectrometry. Analytical Chemistry, 1993, 65, 784-788.	6.5	26
245	Matrix-assisted laser desorption of biological molecules in the quadrupole ion trap mass spectrometer. Analytical Chemistry, 1993, 65, 14-20.	6.5	66
246	Rapid extraction and structural characterization of biomolecules in agarose gels by laser desorption Fourier transform mass spectrometry. Analytical Chemistry, 1993, 65, 1329-1335.	6.5	19
247	Thin gold film-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry of biomolecules. Analytical Chemistry, 1993, 65, 3669-3676.	6.5	25
248	Automatic precursor-ion switching in a four-sector tandem mass spectrometer and its application to acquisition of the MS/MS product ions derived from a partially oxygen-18-labeled peptide for their facile assignments. Analytical Chemistry, 1993, 65, 2394-2399.	6.5	26
249	Basic matrixes for the matrix-assisted laser desorption/ionization mass spectrometry of proteins and oligonucleotides. Analytical Chemistry, 1993, 65, 3204-3211.	6.5	167
250	Laser Desorption Ionization Mass Spectrometry of Bioorganic Molecules. , 1993, 17, 215-228.		0
251	The Covalent Linkage of Secretory Component to IgA. Structure of sIgA. Biological Chemistry Hoppe-Seyler, 1993, 374, 1023-1028.	1.4	59
252	Fourier-transform mass spectrometry for high-resolution matrix-assisted laser desorption/ionization MS. , 1993 , , .		3
253	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry of Membrane Proteins: The Scrapie Prion Protein., 1993,, 41-45.		6

#	Article	IF	CITATIONS
254	Mass spectrometry of proteins and peptides: sensitive and accurate mass measurement and sequence analysis. Clinical Chemistry, 1993, 39, 2005-2010.	3.2	50
256	Analysis of Biopolymers by Matrix-Assisted Laser Desorption/Ionization (MALDI) Mass Spectrometry. , 0, , 149-166.		3
257	Electrospray Mass Spectrometry. , 0, , 167-188.		4
258	Sequence Analysis of Proteins and Peptides by Mass Spectrometry. , 0, , 189-205.		1
259	Sequence Database Searching by Mass Spectrometric Data., 0,, 223-245.		21
260	Chapter 4 New mass spectral approaches to ganglioside structure determinations. Progress in Brain Research, 1994, 101, 45-61.	1.4	60
261	Internal lysine palmitoylation in adenylate cyclase toxin from Bordetella pertussis. Science, 1994, 266, 433-435.	12.6	232
262	Sample exposure effects in matrix-assisted laser desorptionâ€"ionization mass spectrometry of large biomolecules. International Journal of Mass Spectrometry and Ion Processes, 1994, 130, 107-115.	1.8	32
263	Coumarin laser dyes as matrices for matrix assisted UV laser desorption/ionization mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1994, 137, 151-171.	1.8	12
264	FTMS method for high resolution matrix-assisted laser desorption. International Journal of Mass Spectrometry and Ion Processes, 1994, 132, L1-L7.	1.8	32
265	MPSA short communications. The Protein Journal, 1994, 13, 431-512.	1.1	0
266	Molar mass determination of oligomeric ethylene oxide adducts using supercritical fluid chromatography and matrix-assisted laser desorption—ionization time-of-flight mass spectrometry. Journal of Chromatography A, 1994, 667, 354-360.	3.7	20
267	Total yield measurements in matrix-assisted laser desorption using a quartz crystal microbalance. Rapid Communications in Mass Spectrometry, 1994, 8, 149-154.	1.5	75
268	Matrix-assisted laser desorption/ionization of restriction enzyme-digested DNA. Rapid Communications in Mass Spectrometry, 1994, 8, 183-186.	1.5	33
269	A method to increase contaminant tolerance in protein matrix-assisted laser desorption/ionization by the fabrication of thin protein-doped polycrystalline films. Rapid Communications in Mass Spectrometry, 1994, 8, 199-204.	1.5	162
270	Matrix-assisted laser desorption/ionization with an external ion source Fourier-transform mass spectrometer. Rapid Communications in Mass Spectrometry, 1994, 8, 237-241.	1.5	25
271	An inductive detector for time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1994, 8, 317-322.	1.5	28
272	Matrix-assisted laser desorption/ionization: Dependence of the ion yield on the laser beam incidence angle. Rapid Communications in Mass Spectrometry, 1994, 8, 388-393.	1.5	24

#	Article	IF	CITATIONS
273	Ion fragmentation activated by matrix-assisted laser desorption/ionization in an ion-trap/reflectron time-of-flight device. Rapid Communications in Mass Spectrometry, 1994, 8, 407-416.	1.5	27
274	Maximum entropy deconvolution of heterogeneity in protein modification: Protein adducts of 4-hydroxy-2-nonenal. Rapid Communications in Mass Spectrometry, 1994, 8, 509-512.	1.5	31
275	Attomole detection of proteins by matrix-assisted laser desorption/ionization mass spectrometry with the use of picolitre vials. Rapid Communications in Mass Spectrometry, 1994, 8, 581-584.	1.5	98
276	Matrix-assisted laser desorption mass spectrometry on a magnetic sector instrument fitted with an array detector. Rapid Communications in Mass Spectrometry, 1994, 8, 585-589.	1.5	35
277	Mass determination of human immunoglobulin IgM using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1994, 8, 627-631.	1.5	55
278	Matrix-assisted laser desorption/ionization mass sectrometry of restriction enzyme-digested plasmid DNA using an active nafion substrate. Rapid Communications in Mass Spectrometry, 1994, 8, 687-691.	1.5	45
279	Laser desorption/gas-phase ionization of the amino acid tryptophan. Rapid Communications in Mass Spectrometry, 1994, 8, 731-734.	1.5	9
280	Peptide ladder sequencing by mass spectrometry using a novel, volatile degradation reagent. Rapid Communications in Mass Spectrometry, 1994, 8, 737-742.	1.5	110
281	Detection limits for matrix-assisted laser desorption of polypeptides with an external ion source Fourier-transform mass spectrometer. Rapid Communications in Mass Spectrometry, 1994, 8, 743-749.	1.5	18
282	Improving the resolution of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry by exploiting the correlation between ion position and velocity. Rapid Communications in Mass Spectrometry, 1994, 8, 865-868.	1.5	172
283	Selfâ€calibrating property of matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight spectra of polymeric materials. Rapid Communications in Mass Spectrometry, 1994, 8, 981-984.	1.5	35
284	3â€aminopicolinic aid as a matrix for laser desorption mass spectrometry of biopolymers. Rapid Communications in Mass Spectrometry, 1994, 8, 1001-1006.	1.5	30
285	2â€(4â€hydroxyphenylazo)â€benzoic acid: A solid matrix for matrixâ€assisted laser desorption/ionization of polystyrene. Rapid Communications in Mass Spectrometry, 1994, 8, 1011-1015.	1.5	60
286	Epitope mapping of the gastrinâ€releasing peptide/antiâ€bombesin monoclonal antibody complex by proteolysis followed by matrixâ€assisted laser desorption ionization mass spectrometry. Protein Science, 1994, 3, 1485-1492.	7.6	80
287	Accurate molecular mass determination by mass spectrometrical techniques: Differentiation of soybean lipoxygenase isoenzymes. Phytochemical Analysis, 1994, 5, 281-285.	2.4	1
288	Detection of high mass-to-charge ions by Fourier transform mass spectrometry. Mass Spectrometry Reviews, 1994, 13, 105-132.	5.4	50
289	Mass spectrometric profiling and pattern recognition. Mass Spectrometry Reviews, 1994, 13, 155-181.	5.4	13
290	Organic and inorganic analysis with laser microprobe mass spectrometry. Part I: Instrumentation and methodology. Mass Spectrometry Reviews, 1994, 13, 189-208.	5.4	85

#	Article	IF	CITATIONS
291	Matrix-assisted laser desorption: Dependence of the threshold fluence on analyte concentration. Organic Mass Spectrometry, 1994, 29, 207-209.	1.3	15
292	Multiphoton ionization and photodissociation at the second-order space focus in a time-of-flight mass spectrometer: The amino acid tryptophan. Organic Mass Spectrometry, 1994, 29, 659-667.	1.3	13
293	Electrochemical detection as an alternative to UV in RP-HPLC peptide mapping. Electroanalysis, 1994, 6, 1-8.	2.9	12
294	Ladder Sequencing of Peptides and Proteins—A Combination of Edman Degradation and Mass Spectrometry. Angewandte Chemie International Edition in English, 1994, 33, 723-725.	4.4	11
295	Synthesis and Selective Radical Cleavage of C-4′-Modified Oligonucleotides. Angewandte Chemie International Edition in English, 1994, 33, 1861-1863.	4.4	29
296	252 Cf-plasma desorption mass spectrometry Il—A perspective of new directions. Biological Mass Spectrometry, 1994, 23, 117-130.	0.5	18
297	Application of electrospray and fast atom bombardment mass spectrometry to the identification of post-translational and other chemical modifications of proteins and peptides. Biological Mass Spectrometry, 1994, 23, 283-294.	0.5	13
298	Various factors influencing the signal intensity of oligonucleotides in electrospray mass spectrometry. Biological Mass Spectrometry, 1994, 23, 320-322.	0.5	80
299	Characterization of a synthetic 37-residue fragment of a monoclonal antibody against herpes virus by capillary electrophoresis/electrospray (ionspray) mass spectrometry and 252Cf plasma desorption mass spectrometry. Biological Mass Spectrometry, 1994, 23, 346-352.	0.5	9
300	Monitoring protein kinase and phosphatase reactions with matrix-assisted laser desorption/ionization mass spectrometry and capillary zone electrophoresis: Comparison of the detection efficiency of peptide-phosphopeptide mixtures. Biological Mass Spectrometry, 1994, 23, 519-528.	0.5	54
301	Enhanced mass resolution in matrix-assisted laser desorption/ionization linear time-of-flight mass spectrometry. Biological Mass Spectrometry, 1994, 23, 695-700.	0.5	10
302	Peptide sequence information derived by partial acid hydrolysis and matrix-assisted laser desorption/ionization mass spectrometry. Biological Mass Spectrometry, 1994, 23, 734-740.	0.5	57
303	Evaluation of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for the analysis of organoarsenic compounds of environmental interest. Biological Mass Spectrometry, 1994, 23, 749-755.	0.5	12
304	Leitersequenzierung von Peptiden und Proteinen — eine Kombination von Edmanâ€Abbau und Massenspektrometrie. Angewandte Chemie, 1994, 106, 763-765.	2.0	2
306	Design considerations in energy resolved time-of-flight mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1994, 131, 67-86.	1.8	9
307	Factors affecting the resolution in matrix-assisted laser desorptionâ€"ionization mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1994, 131, 345-354.	1.8	59
308	Sequenching of peptides in a time-of-flight mass spectrometer: evaluation of postsource decay following matrix-assisted laser desorption ionisation (MALDI). International Journal of Mass Spectrometry and Ion Processes, 1994, 131, 355-385.	1.8	258
309	Time of flight mass spectrometry of DNA laser-ablated from frozen aqueous solutions: applications to the Human Genome Project. International Journal of Mass Spectrometry and Ion Processes, 1994, 131, 335-344.	1.8	41

#	Article	IF	CITATIONS
310	Laser assisted reflectron time-of-flight mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1994, 131, 1-19.	1.8	108
311	Matrix-assisted UV and IR laser desorptionâ€"ionization time-of-flight mass spectrometry of Journal of Mass Spectrometry and Ion Processes, 1994, 132, 239-249.	1.8	19
312	Secondary electron resolved mass spectrometry of electrosprayed ions. International Journal of Mass Spectrometry and Ion Processes, 1994, 133, 141-155.	1.8	23
313	Models for matrix-assisted desorption by a laser-pulse. International Journal of Mass Spectrometry and Ion Processes, 1994, 139, 25-38.	1.8	43
314	High resolution laser desorption/ionization Fourier transform mass spectrometry. TrAC - Trends in Analytical Chemistry, 1994, 13, 229-233.	11.4	11
315	Analysis of hydrocarbon dendrimers by laser desorption time-of-flight and fourier transform mass spectrometry. Journal of the American Society for Mass Spectrometry, 1994, 5, 731-739.	2.8	56
316	Improved mass accuracy in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of peptides. Journal of the American Society for Mass Spectrometry, 1994, 5, 955-958.	2.8	140
317	Aerosol Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 1994, 5, 1-9.	2.8	65
318	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Chemically Modified Oligonucleotides. Analytical Chemistry, 1994, 66, 1918-1924.	6.5	63
319	New type of matrix for matrix-assisted laser desorption mass spectrometry of polysaccharides and proteins. Fresenius' Journal of Analytical Chemistry, 1994, 349, 473-474.	1.5	44
320	Modern laser mass spectrometry. Fresenius' Journal of Analytical Chemistry, 1994, 348, 506-509.	1.5	6
321	Production of polyatomic ions by 252Cf-fission fragments and by short laser pulses. Nuclear Instruments & Methods in Physics Research B, 1994, 88, 184-190.	1.4	2
322	New advanced analytical tools in peptide/protein research: matrix assisted laser desorption mass spectrometry. Journal of Controlled Release, 1994, 29, 223-229.	9.9	10
323	Analysis of biopolymers by matrix-assisted laser desorption/ionization (MALDI) mass spectrometry. Fresenius' Journal of Analytical Chemistry, 1994, 348, 783-791.	1.5	95
324	Analysis of protein glycosylation by mass spectrometry. Molecular Biotechnology, 1994, 2, 243-280.	2.4	17
325	Analysis of oligonucleotides using coupled high performance liquid chromatography-electrospray mass spectrometry. Chromatographia, 1994, 39, 405-408.	1.3	48
326	Supercritical fluid chromatographyâ€"mass spectrometry and matrix-assisted laser-desorption ionisation mass spectrometry of cyclic siloxanes in technical silicone oils and silicone rubbers. Journal of Chromatography A, 1994, 683, 105-113.	3.7	10
327	High-resolution mass spectrometer for protein chemistry. Nature, 1994, 370, 393-395.	27.8	12

#	Article	IF	CITATIONS
328	Structure and heterologous expression of the Ustilago maydis viral toxin KP4. Molecular Microbiology, 1994, 11, 155-164.	2.5	59
329	The oligosaccharides of the Fe(III)-Zn(II) purple acid phosphatase of the red kidney bean. Determination of the structure by a combination of matrix-assisted laser desorption/ionization mass spectrometry and selective enzymic degradation. FEBS Journal, 1994, 220, 321-330.	0.2	66
330	A purified ferredoxin from Giardia duodenalis. FEBS Journal, 1994, 220, 439-446.	0.2	55
331	Synthesis and Characterization of Desulfovibrio gigas Rubredoxin and Rubredoxin Fragments. FEBS Journal, 1994, 224, 97-101.	0.2	8
332	Probing the Structure of Hirudin from Hirudinaria manillensis by Limited Proteolysis. Isolation, Characterization and Thrombin-Inhibitory Properties of N-Terminal Fragments. FEBS Journal, 1994, 226, 323-333.	0.2	37
333	N-terminal variants of fatty acid-binding protein from bovine heart overexpressed in Escherichia coli. Journal of Biotechnology, 1994, 33, 259-269.	3.8	28
334	Detection of High-Mass Biomolecules in Fourier Transform Ion Cyclotron Resonance Mass Spectrometry: Theoretical and Experimental Investigations. Analytical Chemistry, 1994, 66, 1583-1587.	6.5	46
335	Chromatographic Investigations of Macromolecules in the Critical Range of Liquid Chromatography. VIII. Analysis of Polyethylene Oxides. Journal of Liquid Chromatography and Related Technologies, 1994, 17, 3091-3108.	1.0	53
336	A laser vaporization, laser ionization timeâ€ofâ€flight mass spectrometer for the probing of fragile biomolecules. Review of Scientific Instruments, 1994, 65, 1903-1911.	1.3	12
337	Quantitative Determination of Proteins by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 1994, 66, 1408-1415.	6.5	130
338	Matrix-assisted laser desorption ionization mass spectrometry of proteins electroblotted after polyacrylamide gel electrophoresis. Analytical Chemistry, 1994, 66, 464-470.	6.5	243
339	Rapid validation of molecular structures of biological samples by electrospray-mass spectrometry. FEBS Letters, 1994, 342, 1-6.	2.8	36
340	Quantitative Measurement of Cyclosporin A in Blood by Time-of-Flight Mass Spectrometry. Analytical Chemistry, 1994, 66, 2362-2368.	6.5	94
341	Determination of Absolute Mass Values in MALDI-TOF of Polymeric Materials by a Method of Self-Calibration of the Spectra. Analytical Chemistry, 1994, 66, 4366-4369.	6.5	55
342	Selective Background Suppression in MALDI-TOF Mass Spectrometry. Analytical Chemistry, 1994, 66, 3676-3680.	6.5	13
343	Matrix-Assisted Laser Desorption/Ionization Using an Active Perfluorosulfonated Ionomer Film Substrate. Analytical Chemistry, 1994, 66, 3423-3430.	6.5	44
344	Time-of-Flight Mass Spectrometry Of Underivatized Single-Stranded DNA Oligomers by Matrix-Assisted Laser Desorption. Analytical Chemistry, 1994, 66, 1637-1645.	6.5	134
345	Molecular Characterization of Surface Topology in Protein Tertiary Structures by Amino-Acylation and Mass Spectrometric Peptide Mapping. Bioconjugate Chemistry, 1994, 5, 583-590.	3.6	127

#	ARTICLE	IF	CITATIONS
346	The Structural Characterization of Polycyclic Aromatic Hydrocarbon Dihydrodiol Epoxide DNA Adducts Using Matrix-Assisted Laser Desorption/Ionization Fourier Transform Mass Spectrometry. Analytical Chemistry, 1994, 66, 1274-1285.	6.5	32
347	High-Accuracy Molecular Mass Determination for Peptides and Proteins by Fourier Transform Mass Spectrometry. Analytical Chemistry, 1994, 66, 2077-2083.	6.5	58
348	Mass Spectrometry. Analytical Chemistry, 1994, 66, 634-683.	6.5	134
349	Conformational Stability of Heme Proteins in vacuo. Biochemistry, 1994, 33, 9706-9711.	2.5	42
350	Biosynthesis of Conjugated Triene-Containing Fatty Acids by a Novel Isomerase from the Red Marine Alga Ptilota filicina. Biochemistry, 1994, 33, 15223-15232.	2.5	42
351	Comparative Mapping of Recombinant Proteins and Glycoproteins by Plasma Desorption and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 1994, 66, 2062-2070.	6.5	78
352	The interplay between different mass spectrometric techniques in protein chemistry. Biochemical Society Transactions, 1994, 22, 533-539.	3.4	4
353	Characterization of Modified Nucleic Acid Constituents by Matrix-Assisted Laser Desorption Mass Spectrometry. Polycyclic Aromatic Compounds, 1994, 6, 95-102.	2.6	4
354	High-resolution laser desorption mass spectrometry of peptides and small proteins Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4801-4805.	7.1	63
355	Molmassenâ€Bestimmung mittels MALDIâ€MS. Nachrichten Aus Der Chemie, 1994, 42, 719-722.	0.0	3
356	Pitfalls in the design and manufacture of infant formulae. Acta Paediatrica, International Journal of Paediatrics, 1994, 83, 40-45.	1.5	30
357	The use of a volatile N-terminal degradation reagent for rapid, high-sensitivity sequence analysis of peptides by generation of sequence ladders. Techniques in Protein Chemistry, 1995, , 3-11.	0.3	1
358	Instrumental configuration for direct measurement of optical absorption of ion cyclotron resonance mass-selected trapped ions. Physica Scripta, 1995, T59, 387-391.	2.5	4
359	Matrix-assisted laser desorption ionization (MALDI) and post source decay (PSD) product ion mass analysis localize a photolabel crosslinked to the delta-subunit of nAChR protein by neurotoxin II. European Journal of Mass Spectrometry, 1995, 1, 313.	0.7	20
360	Electrospray mass spectrometry for protein characterization. Trends in Biochemical Sciences, 1995, 20, 219-224.	7.5	212
361	Reinvasion of the cabbage patch. Trends in Biochemical Sciences, 1995, 20, 224.	7.5	О
362	Weighing the evidence for structure: electrospray ionization mass spectrometry of proteins. Structure, 1995, 3, 861-865.	3.3	17
363	Cartography of Ribosomal Proteins of the 30S Subunit from the Halophilic Haloarcula Marismortui and Complete Sequence Analysis of Protein HS26. FEBS Journal, 1995, 234, 24-31.	0.2	3

#	Article	IF	CITATIONS
364	High-resolution tandem mass spectra of 37-67 kDa proteins. Journal of Mass Spectrometry, 1995, 30, 39-42.	1.6	88
365	Peptide amino acid sequence analysis using matrix-assisted laser desorption/ionization and fourier transform mass spectrometry. Journal of Mass Spectrometry, 1995, 30, 94-98.	1.6	26
366	Tunable degree of fragmentation of volatile organic compounds with a low-pressure penning ion source. Journal of Mass Spectrometry, 1995, 30, 134-139.	1.6	6
367	Sample morphology effects in matrix-assisted laser desorption/ionization mass spectrometry of proteins. Journal of Mass Spectrometry, 1995, 30, 206-211.	1.6	47
368	Quantitative bioanalysis using matrix-assisted laser desorption/ionization mass spectrometry. Journal of Mass Spectrometry, 1995, 30, 357-364.	1.6	63
369	Ultrahigh-resolution matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectra of peptides. Journal of Mass Spectrometry, 1995, 30, 825-833.	1.6	51
370	Mass and sequence verification of modified oligonucleotides using electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 1995, 30, 993-1006.	1.6	94
371	Glucose glass films: A matrix for mass spectrometry that mimics aqueous solution behavior. Journal of Mass Spectrometry, 1995, 30, 1041-1048.	1.6	5
372	Studies of the MALDI process by luminescence spectroscopy. Journal of Mass Spectrometry, 1995, 30, 1303-1310.	1.6	56
373	Characterization of neutral red as a visible-wavelength MALDI matrix. Journal of Mass Spectrometry, 1995, 30, 1765-1767.	1.6	22
374	Particle-induced desorption in mass spectrometry. Part I. Mechanisms and processes. Mass Spectrometry Reviews, 1995, 14, 279-308.	5.4	30
375	Application of secondary ion and matrix-assisted laser desorption-ionization time-of-flight mass spectrometry for the quantitative analysis of biological molecules. Mass Spectrometry Reviews, 1995, 14, 383-429.	5.4	53
376	Title is missing!. Angewandte Makromolekulare Chemie, 1995, 226, 183-195.	0.2	10
377	Mass spectrometric approaches for the identification of gelâ€separated proteins. Electrophoresis, 1995, 16, 1791-1814.	2.4	415
378	Mass spectrometric detectors for samples separated by planar electrophoresis. Journal of Chromatography A, 1995, 692, 275-290.	3.7	26
379	Protein mass spectrometry: applications to analytical biotechnology. Journal of Chromatography A, 1995, 705, 21-45.	3.7	104
380	Matrix-assisted laser desorption ionisation time-of-flight mass spectrometry of synthetic polyesters. International Journal of Mass Spectrometry and Ion Processes, 1995, 144, 131-138.	1.8	39
381	Surface mass spectrometry â€" application to biosensor characterization. Biosensors and Bioelectronics, 1995, 10, 885-894.	10.1	20

#	Article	IF	CITATIONS
382	Matrix-assisted laser desorption/ionization mass spectrometry of synthetic polymers: 2. Analysis of poly(methyl methacrylate). Polymer, 1995, 36, 1999-2005.	3.8	66
383	Crystallization and preliminary X-ray diffraction studies of leishmanolysin, the major surface metalloproteinase fromLeishmania major. Proteins: Structure, Function and Bioinformatics, 1995, 22, 58-66.	2.6	16
384	A mass spectrometric investigation of the water-soluble oligomers remaining after the emulsion polymerization of methyl methacrylate. Journal of Polymer Science Part A, 1995, 33, 2297-2304.	2.3	16
385	Matrix-assisted laser desorption ionization time-of-flight mass spectrometry of DNA-Pt(II) complexes. Rapid Communications in Mass Spectrometry, 1995, 9, 33-36.	1.5	13
386	Spin-coated samples for high resolution matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of large proteins. Rapid Communications in Mass Spectrometry, 1995, 9, 180-187.	1.5	36
387	Laser desporption Fourier-transform mass spectrometry of lignins. Rapid Communications in Mass Spectrometry, 1995, 9, 245-249.	1.5	15
388	Characterization of polymers by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: Molecular weight estimates in samples of varying polydispersity. Rapid Communications in Mass Spectrometry, 1995, 9, 453-460.	1.5	235
389	A study of factors influencing the formation of singly charged oligomers and multiply charged monomers by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1995, 9, 570-572.	1.5	7
390	Characterization of oligomers in poly(ethylene terephthalate) by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1995, 9, 697-702.	1.5	44
391	Rapid screening of genetic polymorphisms using buccal cell DNA with detection by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1995, 9, 735-743.	1.5	75
392	Amino acid composition and wavelength effects in matrix-assisted laser desorption/ionization. Rapid Communications in Mass Spectrometry, 1995, 9, 744-752.	1.5	43
393	Matrix-assisted laser desorption/ionization mass spectrometry: Improved matrix for oligosaccharides. Rapid Communications in Mass Spectrometry, 1995, 9, 809-814.	1.5	155
394	Tryptic mapping of human chorionic gonadotropin by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1995, 9, 1021-1026.	1.5	35
395	lon exchange and purification of carbohydrates on a Nafion $\hat{A}^{@}$ membrane as a new sample pretreatment for matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1995, 9, 1031-1034.	1.5	107
396	Sequencing electroblotted proteins by tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 1995, 9, 1051-1055.	1.5	33
397	Asparaginyl endopeptidase mapping of proteins with subsequent matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 1995, 9, 1095-1100.	1.5	9
398	Molecular weight distribution of poly(dimethylsiloxane) by combining matrix-assisted laser desorption/ionization time-of-flight mass spectrometry with gel-permeation chromatography fractionation. Rapid Communications in Mass Spectrometry, 1995, 9, 1158-1163.	1.5	108
399	Procedures for detection of DNA by matrix-assisted laser desorption/ionization mass spectrometry using a modified nafion film substrate. Rapid Communications in Mass Spectrometry, 1995, 9, 1172-1176.	1.5	23

#	Article	IF	Citations
400	Revisit of MALDI for small proteins. Rapid Communications in Mass Spectrometry, 1995, 9, 1315-1320.	1.5	44
401	Laser ablation of organic molecules from frozen matrices. Rapid Communications in Mass Spectrometry, 1995, 9, 1431-1436.	1.5	20
402	The activation pathway of procarboxypeptidase B from porcine pancreas: Participation of the active enzyme in the proteolytic processing. Protein Science, 1995, 4, 1792-1800.	7.6	27
403	Complete large-molecule high-resolution mass spectra from 50-femtomole microvolume injection. Journal of the American Society for Mass Spectrometry, 1995, 6, 220-221.	2.8	14
404	Fingerprinting proteins coupled with polymers by mass spectrometry: Investigation of polyethylene glycol-conjugated superoxide dismutase. Journal of the American Society for Mass Spectrometry, 1995, 6, 478-487.	2.8	23
405	On the photoionization of large molecules. Journal of the American Society for Mass Spectrometry, 1995, 6, 883-888.	2.8	37
406	The chemistry of single-stranded 4′-DNA radicals: influence of the radical precursor on anaerobic and aerobic strand cleavage. Chemistry and Biology, 1995, 2, 367-375.	6.0	91
407	Influence of the laser intensity and spot size on the desorption of molecules and ions in matrix-assisted laser desorption/ionization with a uniform beam profile. International Journal of Mass Spectrometry and Ion Processes, 1995, 141, 127-148.	1.8	264
408	High resolution MALDI-TOF mass spectra of three proteins obtained using spaceâ€"velocity correlation focusing. International Journal of Mass Spectrometry and Ion Processes, 1995, 145, L1-L7.	1.8	17
409	Inclusion of a MALDI ion source in the ion chromatography technique: conformational information on polymer and biomolecular ions. International Journal of Mass Spectrometry and Ion Processes, 1995, 146-147, 349-364.	1.8	198
410	Observation of mixed molecular cluster ions in matrix-assisted UV laser desorption/ionization of high mass protein mixtures. International Journal of Mass Spectrometry and Ion Processes, 1995, 145, L9-L16.	1.8	12
411	Characterization of oligonucleotides and nucleic acids by mass spectrometry. Current Opinion in Biotechnology, 1995, 6, 96-102.	6.6	100
412	Use of matrix-assisted laser desorption/ionization mass spectrometry for molar mass-sensitive detection in liquid chromatography of polymers. Journal of Chromatography A, 1995, 699, 21-29.	3.7	113
413	MALDI analysis of adhesive constituents: a preliminary investigation. International Journal of Adhesion and Adhesives, 1995, 15, 249-256.	2.9	0
414	Surfactant analysis by matrix-assisted laser desorption time-of-flight mass spectrometry. JAOCS, Journal of the American Oil Chemists' Society, 1995, 72, 11-15.	1.9	13
415	Evaluation of mass spectrometric techniques for charaterization of engineered proteins. Molecular Biotechnology, 1995, 4, 1-12.	2.4	16
416	Investigations of Chemical Heterogeneity in Polydimethylsiloxanes using SFC, HPLC, and MALDI-MS., 0,, 625-632.		1
417	Novel topology of a zinc-binding domain from a protein involved in regulating early Xenopus development EMBO Journal, 1995, 14, 5947-5956.	7.8	64

#	Article	IF	CITATIONS
418	Accurate determination of the molecular weight of the major surface layer protein isolated from Clostridium thermosaccharolyticum by time-of-flight mass spectrometry. Journal of Bacteriology, 1995, 177, 1402-1404.	2.2	25
419	The solution structure of the RING finger domain from the acute promyelocytic leukaemia proto-oncoprotein PML EMBO Journal, 1995, 14, 1532-1541.	7.8	295
420	Mass Spectrometry: Pharmaceutical Sciences. Applied Spectroscopy Reviews, 1995, 30, 81-118.	6.7	7
421	Photoaffinity Labeling of Human Lysosomal Î ² -Hexosaminidase B. Journal of Biological Chemistry, 1995, 270, 23693-23699.	3.4	36
422	[41] Tertiary structure-selective characterization ofprotein dithiol groups by phenylarsine oxide modification and mass spectrometric peptide mapping. Methods in Enzymology, 1995, 251, 430-435.	1.0	12
423	Matrix-assisted laser desorption/ionization mass spectrometry of immobilized duplex DNA probes. Nucleic Acids Research, 1995, 23, 3126-3131.	14.5	94
424	Matrix-Assisted Laser Desorption/ lonization Mass Spectrometry of Synthetic Polymers; Analysis of Poly (Ethylene Oxides). International Journal of Polymer Analysis and Characterization, 1995, 1, 329-338.	1.9	4
425	Tandem Mass Spectrometry and Structural Elucidation of Glycopeptides from a Hydroxyproline-rich Plant Cell Wall Glycoprotein Indicate That Contiguous Hydroxyproline Residues Are the Major Sites of Hydroxyproline O-Arabinosylation. Journal of Biological Chemistry, 1995, 270, 2541-2549.	3.4	93
426	A procedure for selective DNA alkylation and detection by mass spectrometry. Nucleic Acids Research, 1995, 23, 1367-1373.	14.5	47
427	N- and O-Glycosylation and Phosphorylation of the Bar Secretion Leader Derived from the Barrier Protease of Saccharomyces cerevisiae. Journal of Biological Chemistry, 1995, 270, 24810-24817.	3.4	21
428	Use of a nitrocellulose film substrate in matrix-assisted laser desorption/ionization mass spectrometry for DNA mapping and screening. Analytical Chemistry, 1995, 67, 3482-3490.	6.5	51
429	Selective Detection of Phenol Impurities in Water. Analytical Chemistry, 1995, 67, 181-186.	6.5	19
430	Enzymic Synthesis of Octadecameric Saccharides of Multiply Branched Blood Group I-Type, Carrying Four Distal .alpha.1,3-Galactose or .beta.1,3-GlcNAc Residues. Biochemistry, 1995, 34, 4655-4661.	2.5	30
431	Aerosol Matrix-Assisted Laser Desorption Ionization: Effects of Analyte Concentration and Matrix-to-Analyte Ratio. Analytical Chemistry, 1995, 67, 1981-1986.	6.5	25
432	Peptide Mapping by CNBr Degradation on a Nitrocellulose Membrane with Analysis by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 1995, 67, 1705-1710.	6.5	27
433	Matrix-assisted laser desorption/ionization mass spectrometry (MALDI-MS). Current Opinion in Structural Biology, 1995, 5, 691-698.	5.7	105
434	Amino acid sequence of the minor isomorph of the crustacean hyperglycemic hormone (CHH-II) of the Mexican crayfish Procambarus bouvieri (Ortmann): Presence of a d-amino acid. Peptides, 1995, 16, 1375-1383.	2.4	62
435	Molecular weights of high molecular weight subunits of glutenin determined by mass spectrometry. Journal of Cereal Science, 1995, 22, 99-103.	3.7	47

#	Article	IF	CITATIONS
436	Purification and characterization of two forms of antigen 5 from Polybia scutellaris venom. Toxicon, 1995, 33, 659-665.	1.6	10
437	Matrix Isolation/Fourier Transform Infrared Spectrometry of Laser-Desorbed Species. Applied Spectroscopy, 1995, 49, 955-963.	2.2	2
439	MALDI-MS for C-terminal sequence determination of peptides and proteins degraded by carboxypeptidase Y and P. FEBS Letters, 1995, 357, 65-69.	2.8	83
440	Trapping, Detection, and Mass Determination of Coliphage T4 DNA lons by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Analytical Chemistry, 1995, 67, 1159-1163.	6.5	146
441	Conformation of Macromolecules in the Gas Phase: Use of Matrix-Assisted Laser Desorption Methods in Ion Chromatography. Science, 1995, 267, 1483-1485.	12.6	356
442	Matrix-assisted laser desorption ionization (MALDI) mass spectrometry: a novel analytical tool in molecular biology and biotechnology. Journal of Biotechnology, 1995, 41, 155-175.	3.8	157
443	Teaching Editorial - Bioanalytical Mass Spectrometry: Many Flavors to Choose. Bioconjugate Chemistry, 1995, 6, 644-665.	3.6	79
444	Hydroxyarginine-containing Polyphenolic Proteins in the Adhesive Plaques of the Marine Mussel Mytilus edulis. Journal of Biological Chemistry, 1995, 270, 20183-20192.	3.4	293
445	Modern mass spectrometry in bioorganic analysis. Natural Product Reports, 1995, 12, 33.	10.3	5
446	Basic theory of mass spectrometry. Clinica Chimica Acta, 1995, 241-242, 15-71.	1.1	0
447	Procedures for MS analysis of clinically relevant compounds. Clinica Chimica Acta, 1995, 241-242, 75-152.	1.1	2
449	[22] Matrix-assisted laser desorption ionization mass-spectrometry of proteins. Methods in Enzymology, 1996, 270, 519-551.	1.0	131
450	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Analysis of Peptides., 1996, Chapter 16, 16.2.1-16.2.11.		12
451	Synthesis and Matrix-Assisted Laser Desorption Ionizationâ^'Time of Flight Characterization of an Exactly Alternating Copolycarbonate and Two Random Copolyethers Containing Schiff Base Copper(II) Complex Nonlinear Optical Units in the Main Chain. Macromolecules, 1996, 29, 4478-4485.	4.8	41
452	Confocal Fluorescence Microscopic Imaging for Investigating the Analyte Distribution in MALDI Matrices. Analytical Chemistry, 1996, 68, 2494-2500.	6.5	127
453	High-Resolution MALDI Fourier Transform Mass Spectrometry of Oligonucleotides. Analytical Chemistry, 1996, 68, 2090-2096.	6.5	43
454	Characterization of SDSâ^'PAGE-Separated Proteins by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 1996, 68, 1012-1018.	6.5	80
455	Matrix-Assisted Laser Desorption/Ionization of Size- and Composition-Selected Aerosol Particles. Analytical Chemistry, 1996, 68, 3595-3601.	6.5	53

#	Article	IF	Citations
456	Characterization of PCR Products from Bacilli Using Electrospray Ionization FTICR Mass Spectrometry. Analytical Chemistry, 1996, 68, 3705-3712.	6.5	105
457	Evidence for Ester-Exchange Reactions and Cyclic Oligomer Formation in the Ring-Opening Polymerization of Lactide with Aluminum Complex Initiators. Macromolecules, 1996, 29, 6461-6465.	4.8	124
458	Phosphopeptide Analysis by Matrix-Assisted Laser Desorption Time-of-Flight Mass Spectrometry. Analytical Chemistry, 1996, 68, 3413-3421.	6.5	327
459	Graphite/Liquid Mixed Matrices for Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 1996, 68, 3321-3329.	6.5	190
460	Inactivation of Inosine 5â€~-Monophosphate Dehydrogenase by the Antiviral Agent 5-Ethynyl-1-β-d-Ribofuranosylimidazole-4-Carboxamide 5â€~-Monophosphateâ€. Biochemistry, 1996, 35, 95-101.	2.5	70
461	Spatially Resolved in-Situ Analysis of Polymer Additives by Two-Step Laser Mass Spectrometry. Macromolecules, 1996, 29, 7865-7871.	4.8	29
462	Synthesis and Characterization of \hat{l}_{\pm} , \hat{l}_{∞} -Macrozwitterionic Block Copolymers of Styrene and Isoprene. Macromolecules, 1996, 29, 4865-4870.	4.8	43
463	Fruit Juice Carotenol Fatty Acid Esters and Carotenoids As Identified by Matrix-Assisted Laser Desorption Ionization (MALDI) Mass Spectrometryâ€. Journal of Agricultural and Food Chemistry, 1996, 44, 2006-2013.	5.2	56
464	Product Ion Charge State Determination via Ion/Ion Proton Transfer Reactions. Analytical Chemistry, 1996, 68, 257-262.	6.5	54
465	Synthesis and MALDI-TOF MS Characterization of High Molecular Weight Poly(1,2-dihydroxybenzene) Tj ETQq1 1 4-Methyl-O,O \hat{a} -phthalid-3-ylidenecatechol. Macromolecules, 1996, 29, 5520-5528.	0.784314 4.8	rgBT /Over
466	Carboxylate and Amine Terminus Directed Fragmentations in Gaseous Dipeptide Complexes with Copper(II) and Diimine Ligands Formed by Electrospray. Analytical Chemistry, 1996, 68, 263-270.	6.5	71
467	Analysis of a Technical Poly(ethylene oxide) by On-Line HPLC/H-NMR. Macromolecules, 1996, 29, 6556-6559.	4.8	45
468	High-Resolution Multistage MS, MS2, and MS3Matrix-Assisted Laser Desorption/Ionization FT-ICR Mass Spectra of Peptides from a Single Laser Shot. Analytical Chemistry, 1996, 68, 3718-3725.	6.5	50
469	Important Aspects concerning the Quantification of Biomolecules by Time-of-Flight Secondary-Ion Mass Spectrometry. Applied Spectroscopy, 1996, 50, 161-166.	2.2	9
470	Electronic Structure of Sodium Nitrate:Â Investigations of Laser Desorption Mechanisms. The Journal of Physical Chemistry, 1996, 100, 6708-6714.	2.9	39
471	One-step immunoaffinity purification and partial characterization of hypophyseal growth hormone from the African catfish, Clarias gariepinus (Burchell). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1996, 113, 773-780.	1.6	11
472	MALDI mass spectrometry for food analysis. Trends in Food Science and Technology, 1996, 7, 187-190.	15.1	11
473	Application of a mass spectrometry sequencing technique for identifying peptides present in Cheddar cheese. International Dairy Journal, 1996, 6, 781-790.	3.0	48

#	ARTICLE	IF	CITATIONS
474	Complete primary structure of the molt-inhibiting hormone (MIH) of the Mexican crayfish Procambarus bouvieri (Ortmann). Peptides, 1996, 17, 367-374.	2.4	48
475	Identification of POMC processing products in single melanotrope cells by matrix-assisted laser desorption/ionization mass spectrometry. FEBS Letters, 1996, 379, 165-170.	2.8	42
476	Suicide inactivation of porcine leukocyte 12-lipoxygenase associated with its incorporation of 15-hydroperoxy-5,8,11,13-eicosatetraenoic acid derivative. Lipids and Lipid Metabolism, 1996, 1300, 56-62.	2.6	31
477	Ion/Ion Reactions in the Gas Phase:Â Proton Transfer Reactions Involving Multiply-Charged Proteins. Journal of the American Chemical Society, 1996, 118, 7390-7397.	13.7	189
478	Mass Spectrometry. Analytical Chemistry, 1996, 68, 599-652.	6.5	180
479	Matrix-assisted laser desorption/ionization tandem reflectron time-of-flight mass spectrometry of fullerenes. Journal of the American Society for Mass Spectrometry, 1996, 7, 590-597.	2.8	32
480	Mass Discrimination Effects in an Ion Detector and Other Causes for Shifts in Polymer Mass Distributions Measured by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Macromolecules, 1996, 29, 8875-8882.	4.8	97
481	Ion/Ion Proton Transfer Reactions for Protein Mixture Analysis. Analytical Chemistry, 1996, 68, 4026-4032.	6. 5	125
482	Characterization of Synthetic Polymers Using Matrix-Assisted Laser Desorption/Ionizationâ^'Time of Flight Mass Spectrometry. Macromolecules, 1996, 29, 2213-2221.	4.8	46
483	Laser Ablation Time-of-Flight Mass Spectral Studies of Metal-Substituted Phthalocyanines. Langmuir, 1996, 12, 5736-5738.	3 . 5	4
484	Preparation, characterisation and properties of groups VIII and IB metal manoparticles. Journal of the Chemical Society Dalton Transactions, 1996, , 673.	1.1	29
486	Excited state relaxation processes of MALDI-matrices studied by luminescence spectroscopy. , 1996, , 577-580.		0
487	Rapid appearance and asymmetric distribution of glucose transporter SGTP4 at the apical surface of intramammalian-stage Schistosoma mansoni Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3642-3646.	7.1	85
488	Sequence tag identification of intact proteins by matching tanden mass spectral data against sequence data bases Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8264-8267.	7.1	219
489	Mass spectrometric amino acid sequencing of a mixture of seed storage proteins (napin) from Brassica napus, products of a multigene family Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3647-3652.	7.1	29
490	TrbK, a small cytoplasmic membrane lipoprotein, functions in entry exclusion of the IncP alpha plasmid RP4. Journal of Bacteriology, 1996, 178, 6720-6729.	2.2	52
491	<title>Utilization of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for structural studies related to biology and disease $<$ /title>. , 1996, , .		0
492	Overview of Peptide and Protein Analysis by Mass Spectrometry. , 1996, Chapter 16, 16.1.1-16.1.27.		19

#	Article	IF	CITATIONS
493	[18] Peptide characterization by mass spectrometry. Methods in Enzymology, 1996, 271, 427-448.	1.0	9
494	Some emerging techniques in polymer mwd characterization. Macromolecular Symposia, $1996, 110, 97-106.$	0.7	5
495	In vivo and in vitro characterization of the B1 and B2 zinc-binding domains from the acute promyelocytic leukemia protooncoprotein PML Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1601-1606.	7.1	106
496	Chapter 32. Application of Mass Spectrometry for Characterizing and Identifying Ligands from Combinatorial Libraries. Annual Reports in Medicinal Chemistry, 1996, 31, 319-325.	0.9	12
498	<title>Peptide sequencing using MALDI on time-of-flight and ion trap mass spectrometers</title> ., 1996, 2680, 366.		0
499	Solving Bioanalytical Problems by the Method of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Analytical Sciences, 1996, 12, 363-366.	1.6	0
500	Analysis of hapten-bovine serum albumin and enzyme-antibo dy conjugatesby MALDI-TOFMS Bunseki Kagaku, 1996, 45, 605-609.	0.2	0
501	Mechanism of photoreceptor cGMP phosphodiesterase inhibition by its gamma-subunits Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5407-5412.	7.1	59
502	Influence of Matrix Solution Conditions on the MALDI-MS Analysis of Peptides and Proteins. Analytical Chemistry, 1996, 68, 31-37.	6.5	520
503	Axial Chirality in Diphenylmethanofullerenes and New Functionizable Methanofullerenes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 729-741.	0.6	0
504	Mass Spectrometric Sequencing of Proteins from Silver-Stained Polyacrylamide Gels. Analytical Chemistry, 1996, 68, 850-858.	6.5	8,535
505	Detection of hepatitis B virus DNA in serum samples via nested PCR and MALDI-TOF mass spectrometry. Genetic Analysis, Techniques and Applications, 1996, 13, 67-71.	1.5	31
506	Biopolymer mass spectrometer with cryogenic particle detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 370, 253-255.	1.6	40
507	Matrix-assisted laser desorption/ionisation mass spectrometry of oligosaccharides and glycoconjugates. Journal of Chromatography A, 1996, 720, 429-446.	3.7	153
508	Characterization of the Human Small-Ribosomal-Subunit Proteins by N-Terminal and Internal Sequencing, and Mass Spectrometry. FEBS Journal, 1996, 239, 144-149.	0.2	58
509	Laser desorption mass spectrometry for point mutation detection. Genetic Analysis, Techniques and Applications, 1996, 13, 87-94.	1.5	27
510	Identification of human myocardial proteins separated by two-dimensional electrophoresis using an effective sample preparation for mass spectrometry. Electrophoresis, 1996, 17, 1643-1650.	2.4	127
511	End-group characterization of poly(methylphenylsilane) by alkali metal salts doped MALDI-TOF mass spectra. Macromolecular Chemistry and Physics, 1996, 197, 2615-2625.	2.2	26

#	Article	IF	CITATIONS
512	Mechanism of the anionic copolymerization of anhydride-cured epoxies – analyzed by matrix-assisted laser desorption ionization time-of-flight mass spectrometry (MALDI-TOF-MS). Macromolecular Rapid Communications, 1996, 17, 359-366.	3.9	32
513	Elektrosprayâ€Massenspektrometrie von BiomakromoleÃ1⁄4lkomplexen mit nichtkovalenten Wechselwirkungen – neue analytische Perspektiven fÃ1⁄4r supramolekulare Chemie und molekulare Erkennungsprozesse. Angewandte Chemie, 1996, 108, 878-899.	2.0	50
514	Mass spectrometry of nucleic acids. Mass Spectrometry Reviews, 1996, 15, 67-138.	5.4	291
515	Fourier transform mass spectrometry—advancing years (1992-mid. 1996). Mass Spectrometry Reviews, 1996, 15, 163-211.	5.4	93
516	Aspects of the Sequencing of Carbohydrates and Oligonucleotides by Matrix-assisted Laser Desorption/Ionization Post-source Decay. Rapid Communications in Mass Spectrometry, 1996, 10, 100-103.	1.5	78
517	Analysis of Double-stranded Polymerase Chain Reaction Products from the Bacillus cereusGroup by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry., 1996, 10, 29-35.		51
518	Laser Desorption/Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry of [(Nb6X12)X2(H2O)4] · 4H2O, X=Cl or Br. Rapid Communications in Mass Spectrometry, 1996, 10, 51-53.	1.5	4
519	Matrix-assisted Laser Desorption/Ionization of Low Molecular Weight Compounds by Fourier Transform Laser Microprobe Mass Spectrometry with External Source. Rapid Communications in Mass Spectrometry, 1996, 10, 538-550.	1.5	5
520	An External Source 7 T Fourier Transform Ion Cyclotron Resonance Mass Spectrometer with Electrostatic Ion Guide. Rapid Communications in Mass Spectrometry, 1996, 10, 1845-1849.	1.5	17
521	Micropreparative high performance liquid chromatography of proteins and peptides: Principles and applications. Biopolymers, 1996, 40, 319-341.	2.4	26
522	Characterisation of low molecular weight polymers using matrix assisted laser desorption time-of-flight mass spectrometry. European Polymer Journal, 1996, 32, 239-256.	5.4	43
523	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry for the Detection of Polymerase Chain Reaction Products Containing 7-Deazapurine Moieties. Analytical Biochemistry, 1996, 243, 55-65.	2.4	27
524	Effect of HBr, HCl and Cl2 on fullerene formation in benzene/oxygen/argon flames. Carbon, 1996, 34, 317-326.	10.3	7
525	The Unimolecular Chemistry of Protonated Glycinamide and the Proton Affinity of Glycinamide—Mass Spectrometric Experiments and Theoretical Model. Chemistry - A European Journal, 1996, 2, 1143-1149.	3.3	23
526	Title is missing!. Angewandte Makromolekulare Chemie, 1996, 241, 95-111.	0.2	24
527	Electrospray Mass Spectrometry of Biomacromolecular Complexes with Noncovalent Interactions—New Analytical Perspectives for Supramolecular Chemistry and Molecular Recognition Processes. Angewandte Chemie International Edition in English, 1996, 35, 806-826.	4.4	331
528	Matrix-assisted laser desorption/ionization mass spectrometry as a new method for the characterization of nucleic acids. TrAC - Trends in Analytical Chemistry, 1996, 15, 240-250.	11.4	19
529	Quantitative MALDI-TOF MS of oligonucleotides and a nuclease assay. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 2543-2548.	2.2	72

#	Article	IF	CITATIONS
530	Charge-state reduction with improved signal intensity of oligonucleotides in electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 1996, 7, 697-706.	2.8	125
531	A new method of laser desorption mass spectrometry for the study of biological macromolecules. International Journal of Mass Spectrometry and Ion Processes, 1996, 152, 135-142.	1.8	84
532	Matrix-assisted laser desorption/ionization with nitrogen lasers of different pulse widths. International Journal of Mass Spectrometry and Ion Processes, 1996, 154, 171-178.	1.8	69
533	Laser ablation of sodium nitrate: NO desorption following excitation of theĩ€-ĩ€ * band of the nitrate anion. Applied Surface Science, 1996, 96-98, 321-325.	6.1	9
534	Excited state relaxation processes of MALDI-matrices studied by luminescence spectroscopy. Applied Surface Science, 1996, 96-98, 577-580.	6.1	13
535	Preparation of â€~near' homogeneous samples for the analysis of matrix-assisted laser desorption/ionisation processes. Applied Surface Science, 1996, 103, 231-244.	6.1	27
536	Triazine-based polymers: 4. MALDI-MS of triazine-based polyamines. Polymer, 1996, 37, 777-783.	3.8	27
537	Characterization of technical waxes comparison of chromatographic techniques and matrix-assisted laser-desorption/ionization mass spectrometry. Journal of Chromatography A, 1996, 732, 111-117.	3.7	40
538	Developments in matrix-assisted laser desorption/ionization peptide mass spectrometry. Current Opinion in Biotechnology, 1996, 7, 11-19.	6.6	115
539	Ultrahigh-resolution fourier transform mass spectrometry of biomolecules above m/z 5 000. International Journal of Mass Spectrometry and Ion Processes, 1996, 157-158, 175-188.	1.8	17
540	A 4.7 Tesla internal MALDI-FTICR instrument for high mass studies: performance and methods. International Journal of Mass Spectrometry and Ion Processes, 1996, 157-158, 97-113.	1.8	18
541	Some characteristics of matrix-assisted UV laser desorption/ionization mass spectrometric analysis of large proteins. International Journal of Mass Spectrometry and Ion Processes, 1996, 156, 151-172.	1.8	14
542	Detection of melanochromes by MALDI-TOF mass spectrometry. Tetrahedron, 1996, 52, 3947-3952.	1.9	28
543	Isolation and characterization of an anticoagulant from the salivary glands of the tick, Ornithodoros savignyi (Acari: Argasidae). Experimental and Applied Acarology, 1996, 20, 583-598.	1.6	48
544	Oligomers from the reaction of 1,2-diaminoethane and malonic acid derivatives - no formation of 1,4-diaza-5,7-cycloheptanedione. Journal FÃ $^1\!\!/4$ r Praktische Chemie, Chemiker-Zeitung, 1996, 338, 121-123.	0.5	2
545	Electrospray ionization and matrix assisted laser desorption/ionization mass spectrometry: Powerful analytical tools in recombinant protein chemistry. Nature Biotechnology, 1996, 14, 449-457.	17.5	110
546	A strategy for rapid and efficient DNA sequencing by mass spectrometry. Nature Biotechnology, 1996, 14, 1123-1128.	17.5	160
547	Molecular weight determination of plasmid DNA using electrospray ionization mass spectrometry. Nucleic Acids Research, 1996, 24, 2183-2189.	14.5	70

#	Article	IF	CITATIONS
548	A strategy for identifying gel-separated proteins in sequence databases by MS alone. Biochemical Society Transactions, 1996, 24, 893-896.	3.4	212
549	Struktur und Eigenschaften der Materie. , 1996, , 633-874.		0
550	Detection of single macromolecules using a cryogenic particle detector coupled to a biopolymer mass spectrometer. Applied Physics Letters, 1996, 68, 3503-3505.	3.3	97
551	Investigation of Glucose-dependent Insulinotropic Polypeptide(1-42) and Glucagon-like Peptide-1-(7-36) Degradation by Dipeptidyl Peptidase IV Using Matrix-assisted Laser Desorption/Ionization-Time of Flight Mass Spectrometry. Journal of Biological Chemistry, 1996, 271, 23222-23229.	3.4	143
552	[23] Quadrupole ion trap mass spectrometry. Methods in Enzymology, 1996, 270, 552-586.	1.0	46
553	Neuropeptide Expression Patterns as Determined by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry., 1997, 72, 219-224.		1
554	Molecular Weight Determination and Structural Analysis in Polydisperse Polymers by Hyphenated Gel Permeation Chromatography/Matrix-Assisted Laser Desorption Ionization—Time of Flight Mass Spectrometry. International Journal of Polymer Analysis and Characterization, 1997, 3, 177-192.	1.9	25
555	Identification of Modification Sites in Large Biomolecules by Stable Isotope Labeling and Tandem High Resolution Mass Spectrometry. Journal of Biological Chemistry, 1997, 272, 32215-32220.	3.4	47
556	Matrix-assisted laser desorption/ionisation mass spectrometry of transfer ribonucleic acids isolated from yeast. Nucleic Acids Research, 1997, 25, 1859-1861.	14.5	10
557	Application of matrix-assisted laser desorption ionization time-of-flight mass spectrometry with delayed ion extraction to ganglioside analyses. Glycobiology, 1997, 7, 719-724.	2.5	63
558	9. Matrix-Assisted Laser Desorption and Ionization. Experimental Methods in the Physical Sciences, 1997, 30, 413-448.	0.1	0
559	Preparation and Characterization of Poly(ethylene glycol)ylated Human Growth Hormone Antagonist. ACS Symposium Series, 1997, , 170-181.	0.5	17
560	2'-Fluoro modified nucleic acids: polymerase-directed synthesis, properties and stability to analysis by matrix-assisted laser desorption/ionization mass spectrometry. Nucleic Acids Research, 1997, 25, 4581-4588.	14.5	70
561	Identification and Sequence Analysis of Contact Sites between Ribosomal Proteins and rRNA in Escherichia coli 30 S Subunits by a New Approach Using Matrix-assisted Laser Desorption/Ionization-Mass Spectrometry Combined with N-terminal Microsequencing. Journal of Biological Chemistry, 1997, 272, 14547-14555.	3.4	71
563	Biochemische Analytik. Nachrichten Aus Der Chemie, 1997, 45, 269-272.	0.0	0
564	Recent Developments in Mass Spectrometry: Rna Sequencing. Nucleosides & Nucleotides, 1997, 16, 573-577.	0.5	4
565	[23] Laser desorption mass spectrometry. Methods in Enzymology, 1997, 289, 520-542.	1.0	25
566	Peer Reviewed: Injected-Ion Mobility Analysis of Biomolecules. Analytical Chemistry, 1997, 69, 728A-735A.	6.5	45

#	Article	IF	CITATIONS
567	Disulfide-Intact and -Reduced Lysozyme in the Gas Phase:Â Conformations and Pathways of Folding and Unfolding. Journal of Physical Chemistry B, 1997, 101, 3891-3900.	2.6	224
568	[21] Fast atom bombardment mass spectrometry of synthetic peptides. Methods in Enzymology, 1997, 289, 478-499.	1.0	8
569	Analysis of Peptides and Proteins: Evaluation of Purity, Stability, and Structural Characterization of Insulin. Drug Development and Industrial Pharmacy, 1997, 23, 915-927.	2.0	11
570	Counting Basic Sites in Oligopeptides via Gas-Phase Ion Chemistry. Analytical Chemistry, 1997, 69, 281-285.	6.5	52
571	Surface Plasmon Resonance Biomolecular Interaction Analysis Mass Spectrometry. 2. Fiber Optic-Based Analysis. Analytical Chemistry, 1997, 69, 4369-4374.	6.5	70
572	Analysis of Macrocyclic Polystyrenes. 2. Mass Spectrometric Investigations. Macromolecules, 1997, 30, 98-104.	4.8	49
573	Effects of Matrix Structure/Acidity on Ion Formation in Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. Journal of the American Chemical Society, 1997, 119, 2534-2540.	13.7	38
574	Gaseous Protein Cations Are Amphoteric. Journal of the American Chemical Society, 1997, 119, 1688-1696.	13.7	62
575	Length and Base Composition of PCR-Amplified Nucleic Acids Using Mass Measurements from Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 1997, 69, 1543-1549.	6.5	96
576	Analysis of Macromolecules Using Nanoelectrospray Ionization Mass Spectrometry and Low-Energy Collision Activation. Analytical Chemistry, 1997, 69, 3188-3192.	6.5	6
577	Structural Analysis of Polyoxyalkyleneamines by Matrix-Assisted Laser Desorption/Ionization on an External Ion Source FT-ICR-MS and NMR. Macromolecules, 1997, 30, 4302-4309.	4.8	32
578	H/D Exchange Levels of Shape-Resolved Cytochrome c Conformers in the Gas Phase. Journal of the American Chemical Society, 1997, 119, 3558-3566.	13.7	192
579	Characterizing Oligosaccharides Using Injected-Ion Mobility/Mass Spectrometry. Analytical Chemistry, 1997, 69, 2504-2509.	6.5	129
580	Automation of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Using Fuzzy Logic Feedback Control. Analytical Chemistry, 1997, 69, 1706-1714.	6.5	98
581	Conformations, Unfolding, and Refolding of Apomyoglobin in Vacuum:Â An Activation Barrier for Gas-Phase Protein Folding. Journal of the American Chemical Society, 1997, 119, 2987-2994.	13.7	196
582	Confirmation of the Structure of Lipid A Derived from the Lipopolysaccharide of Rhodobacters phaeroides by a Combination of MALDI, LSIMS, and Tandem Mass Spectrometry. Analytical Chemistry, 1997, 69, 2317-2322.	6.5	61
583	Sequencing Branched Peptides with CID/PSD MALDI-TOF in the Low-Picomole Range:Â Application to the Structural Study of the Posttranslational Polyglycylation of Tubulin. Analytical Chemistry, 1997, 69, 3979-3985.	6.5	30
584	Potentiometric Properties of Ion-Selective Electrode Membranes Based on Segmented Polyether Urethane Matrices. Analytical Chemistry, 1997, 69, 868-873.	6.5	57

#	Article	IF	Citations
585	Detection, Number, and Sequence Location of Sulfur-Containing Amino Acids and Disulfide Bridges in Peptides by Ultrahigh-Resolution MALDI FTICR Mass Spectrometry. Analytical Chemistry, 1997, 69, 1163-1168.	6.5	45
586	Direct Observation of Protein Glycosylation by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Journal of Agricultural and Food Chemistry, 1997, 45, 2158-2165.	5.2	8
587	Polyacrylamide Gel Electrophoresis Coupled with Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for tRNA Mutant Analysis. Analytical Chemistry, 1997, 69, 4899-4904.	6.5	6
588	Surface Plasmon Resonance Biomolecular Interaction Analysis Mass Spectrometry. 1. Chip-Based Analysis. Analytical Chemistry, 1997, 69, 4363-4368.	6.5	129
589	A New Strategy for MALDI on Magnetic Sector Mass Spectrometers with Point Detectors. Analytical Chemistry, 1997, 69, 327-332.	6.5	16
590	Further Application of a Procedure for Molecular Weight and Molecular Weight Distribution Measurement of Polydisperse Polymers from Their Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectra. Macromolecules, 1997, 30, 5285-5289.	4.8	56
591	Overview of Peptide and Protein Analysis by Mass Spectrometry. Current Protocols in Molecular Biology, 1997, 38, Unit 10.21.	2.9	3
592	A Sequencing Method for RNA Oligonucleotides Based on Mass Spectrometry. Analytical Chemistry, 1997, 69, 4349-4353.	6.5	39
593	Helicates as Versatile Supramolecular Complexes. Chemical Reviews, 1997, 97, 2005-2062.	47.7	1,649
594	Regulation of Lipid A Modifications by Salmonella typhimurium Virulence Genes phoP-phoQ. Science, 1997, 276, 250-253.	12.6	544
595	Macrocyclic Arylene Ether Ether Sulfide Oligomers:  New Intermediates for the Synthesis of High-Performance Poly(arylene ether ether sulfide)s. Macromolecules, 1997, 30, 182-193.	4.8	36
596	Metal Complexation Reactions of Quinolone Antibiotics in a Quadrupole Ion Trap. Analytical Chemistry, 1997, 69, 1147-1155.	6.5	55
597	Clinical Chemistry. Analytical Chemistry, 1997, 69, 165-230.	6.5	84
598	Structural Characterization of Mouse Monoclonal Antibody 13-1 against a Porphyrin Derivative: Identification of a Disulfide Bond in CDR-H3 of Mab13-1. Biochemical and Biophysical Research Communications, 1997, 240, 566-572.	2.1	8
599	Improved Analysis of Microsatellites Using Mass Spectrometry. Genomics, 1997, 46, 18-23.	2.9	62
600	Overexpression and Characterization of Aspergillus awamori Wild-Type and Mutant Glucoamylase Secreted by the Methylotrophic Yeast Pichia pastoris: Comparison with Wild-Type Recombinant Glucoamylase Produced Using Saccharomyces cerevisiae and Aspergillus nigeras Hosts. Protein Expression and Purification, 1997, 9, 159-170.	1.3	47
601	Recovery of Nucleic Acids from Immobilized Biotinâ^'Streptavidin Complexes Using Ammonium Hydroxide and Applications in MALDI-TOF Mass Spectrometry. Analytical Chemistry, 1997, 69, 904-910.	6.5	44
602	Sequence of two gonadotropin releasing hormones from tunicate suggest an important role of conformation in receptor activation. FEBS Letters, 1997, 413, 215-225.	2.8	29

#	Article	IF	CITATIONS
603	Comparison of molecular mass data of biomolecules obtained by GEMMA and MALDI-TOF-MS. Journal of Aerosol Science, 1997, 28, S141-S142.	3.8	2
604	Matrix-assisted laser desorption ionization mass spectrometry of membrane proteins: Demonstration of a simple method to determine subunit molecular weights of hydrophobic subunits. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1330, 113-120.	2.6	21
605	Evaluation of the variables that affect resolution in delayed extraction MALDI-TOF. International Journal of Mass Spectrometry and Ion Processes, 1997, 165-166, 221-235.	1.8	20
606	High-Density, Covalent Attachment of DNA to Silicon Wafers for Analysis by MALDI-TOF Mass Spectrometry. Analytical Chemistry, 1997, 69, 2438-2443.	6. 5	115
607	Desorption Behavior and Distributions of Fluorinated Polymers in MALDI and Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 1997, 69, 2742-2750.	6. 5	45
608	Detecting CFTR gene mutations by using primer oligo base extension and mass spectrometry. Clinical Chemistry, 1997, 43, 1151-1158.	3.2	178
609	Quantification of circulating peptides and assessment of peptide uptake across the gastrointestinal tract of sheep Journal of Animal Science, 1997, 75, 3315.	0.5	20
610	Rapid, sensitive structure analysis of oligosaccharides. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 1629-1633.	7.1	95
611	III. Biochemistry of S-layers. FEMS Microbiology Reviews, 1997, 20, 25-46.	8.6	39
612	Analysis of phosphopeptides by capillary electrophoresis and matrix-assisted laser-desorption ionization-time-of-flight mass spectrometry. Journal of Chromatography A, 1997, 763, 285-293.	3.7	13
613	Matrix-assisted laser desorption/ionisation mass spectrometry guided purification of human guanylin from blood ultrafiltrate. Journal of Chromatography A, 1997, 776, 139-145.	3.7	32
614	Composition analysis of detergents of the polyoxyethylene type: comparison of thin-layer chromatography, reversed-phase chromatography and matrix-assisted laser desorption/ionization mass spectrometry. Journal of Chromatography A, 1997, 791, 245-253.	3.7	50
615	Mass spectrometry in protein studies from genome to function. Current Opinion in Biotechnology, 1997, 8, 6-13.	6.6	195
616	High-throughput DNA analysis by time-of-flight mass spectrometry. Nature Medicine, 1997, 3, 360-362.	30.7	64
617	Characterization of PEGs using matrix-assisted laser desorption/ionisation mass spectrometry and other related techniques. International Journal of Pharmaceutics, 1997, 147, 187-198.	5.2	15
618	C-Terminal Ladder Sequencing by an Approach Combining Chemical Degradation with Analysis by Matrix-Assisted-Laser-Desorption Ionization Mass Spectrometry. FEBS Journal, 1997, 244, 750-754.	0.2	20
619	Synthesis of Soybean Agglutinin in Bacterial and Mammalian Cells. FEBS Journal, 1997, 249, 684-689.	0.2	32
620	Contact sites of peptide-oligoribonucleotide cross-links identified by a combination of peptide and nucleotide sequencing with MALDI MS. The Protein Journal, 1997, 16, 375-383.	1.1	20

#	Article	IF	Citations
621	Peer Reviewed: MALDI MS and Strategies for Protein Analysis. Analytical Chemistry, 1997, 69, 661A-665A.	6.5	127
622	Detection of Molecular Determinants and Epitope Mapping Using MALDI-TOF Mass Spectrometry. Clinical Immunology and Immunopathology, 1997, 85, 229-235.	2.0	15
623	Molecular laser microprobe mass spectrometric analysis with xerogel matrices. Fresenius' Journal of Analytical Chemistry, 1997, 357, 364-367.	1.5	3
624	Coupling protocol for thin layer chromatography/matrix-assisted laser desorption ionization. Chromatographia, 1997, 46, 358-364.	1.3	48
625	Selection of internal standards for quantitative analysis by matrix-assisted laser desorption-ionization (MALDI) time-of-flight mass spectrometry. Fresenius' Journal of Analytical Chemistry, 1997, 357, 241-248.	1.5	42
626	Surface reaction of organic materials by laser ablation of matrix-isolated photoreactive aromatic azido compound. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 106, 9-13.	3.9	11
627	Mercaptobenzothiazoles: A new class of matrices for laser desorption ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 1997, 8, 116-124.	2.8	69
628	Laser desorption substrate effects. Journal of the American Society for Mass Spectrometry, 1997, 8, 525-531.	2.8	38
629	lon-ion proton transfer reactions of bio-ions involving noncovalent interactions: Holomyoglobin. Journal of the American Society for Mass Spectrometry, 1997, 8, 637-644.	2.8	53
630	Characterization of bacterial lipooligosaccharides by delayed extraction matrix-assisted laser desorption ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 1997, 8, 645-658.	2.8	78
631	Conformer-dependent proton-transfer reactions of ubiquitin ions. Journal of the American Society for Mass Spectrometry, 1997, 8, 954-961.	2.8	219
632	Simultaneous measurement of flight time and energy of large matrix-assisted laser desorption ionization ions with a superconducting tunnel junction detector. Journal of the American Society for Mass Spectrometry, 1997, 8, 1094-1102.	2.8	24
633	Spectrometrically monitored selection experiments: quantitative laser desorption mass spectrometry of small chemical libraries. Chemistry and Biology, 1997, 4, 63-77.	6.0	39
634	Isoelectric focusing in immobilized pH gradients: an update. Biomedical Applications, 1997, 699, 77-89.	1.7	39
635	Low- and high-energy collision-induced dissociation of pyridinoline and deoxypyridinoline ions using Fourier transform ion cyclotron resonance electrospray and liquid secondary-ion magnetic sector mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1997, 160, 377-386.	1.8	3
636	Towards monitoring of protein purification by matrix-assisted laser desorption ionization mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1997, 160, 339-356.	1.8	23
637	Proton induced methyl group shifts in gaseous xylenium ions. Distinguishing isomers by gas-phase titration. International Journal of Mass Spectrometry and Ion Processes, 1997, 160, 167-181.	1.8	22
638	Radial velocity distributions of molecular ions produced by matrix-assisted laser desorption/ionization. International Journal of Mass Spectrometry and Ion Processes, 1997, 160, 259-267.	1.8	40

#	Article	IF	Citations
639	Amide bond dissociation in protonated peptides. Structures of the N-terminal ionic and neutral fragments. International Journal of Mass Spectrometry and Ion Processes, 1997, 164, 137-153.	1.8	145
640	Improved resolution for MALDI-TOF mass spectrometers: a mathematical study. International Journal of Mass Spectrometry and Ion Processes, 1997, 164, 19-34.	1.8	20
641	Efficient cationization by Cs+ adduct ion formation in a supersonic beam. International Journal of Mass Spectrometry and Ion Processes, 1997, 167-168, 447-470.	1.8	3
642	Instrumental measures to enhance the mass resolution in matrix assisted laser desorption/ionization (MALDI) time-of-flight experiments: computational simulations and experimental observations. International Journal of Mass Spectrometry and Ion Processes, 1997, 167-168, 661-674.	1.8	4
643	Collision-induced dissociation and post-source decay of model dodecapeptide ions containing lysine and glycine. International Journal of Mass Spectrometry and Ion Processes, 1997, 171, 135-145.	1.8	10
644	Alternative labeling method for peptide ladder sequencing using matrix-assisted laser desorption-ionization Fourier transform mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 141-152.	1.8	1
645	Depurination of DNA and matrix-assisted laser desorption/ionization mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 313-322.	1.8	15
646	Matrix-assisted laser desorption-ionization time-of-flight mass spectrometry in the subunit stoichiometry study of high-mass non-covalent complexes. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 179-199.	1.8	37
647	Analysis of C60 oxides and C120On ($n = 1,2,3$) using matrix assisted laser desorption-ionization Fourier transform mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 371-386.	1.8	28
648	Rapid micro-scale proteolysis of proteins for MALDI-MS peptide mapping using immobilized trypsin. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 153-163.	1.8	52
649	Matrix-assisted laser desorption and ionization in the Oî—,H and Cî—»O absorption bands of aliphatic and aromatic matrices: dependence on laser wavelength and temporal beam profile. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 51-67.	1.8	74
650	Investigations of 2,5-DHB and succinic acid as matrices for IR and UV MALDI. Part: I UV and IR laser ablation in the MALDI process. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 31-41.	1.8	54
651	Approaches to the characterization of membrane channel proteins (porins) by UV MALDI-MS. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 165-177.	1.8	22
652	MALDI FTMS analysis of polymers: improved performance using an open ended cylindrical analyzer cell. International Journal of Mass Spectrometry and Ion Processes, 1997, 169-170, 387-400.	1.8	23
653	Matrix assisted laser desorption/ionization time-of-flight mass spectrometry of tomato extensin monomers and potato lectin. Phytochemistry, 1997, 45, 9-14.	2.9	9
654	M.A.L.D.IT.O.F. mass spectrometry characterization of 4-alkyl substituted phenol-formaldehyde novalac type resins. Polymer, 1997, 38, 6267-6271.	3.8	17
655	Rapid mass spectrometric identification of proteins from two-dimensional polyacrylamide gels after in gel proteolytic digestion. Electrophoresis, 1997, 18, 391-402.	2.4	86
656	Peptide-mass fingerprinting and the ideal covering set for protein characterisation. Electrophoresis, 1997, 18, 1399-1409.	2.4	26

#	Article	IF	Citations
657	Capillary electrophoresis of biotechnology-derived proteins. Electrophoresis, 1997, 18, 2343-2352.	2.4	44
658	Peptides adsorbed on reverse-phase chromatographic beads as targets for femtomole sequencing by post-source decay matrix assisted laser desorption ionization-reflectron time of flight mass spectrometry (MALDI-RETOF-MS). Electrophoresis, 1997, 18, 2950-2960.	2.4	54
659	Functionality type analysis of carboxy-terminated oligostyrenes by gradient high performance liquid chromatography. Macromolecular Chemistry and Physics, 1997, 198, 3365-3376.	2.2	9
661	lon-molecule reactions as probes of gas-phase structures of peptides and proteins. Mass Spectrometry Reviews, 1997, 16, 53-71.	5.4	227
662	Protein identification from 2-DE gels by MALDI mass spectrometry. , 1997, 16, 145-162.		162
663	Mass spectrometry as a readout of protein structure and function. , 1997, 16, 165-179.		113
664	The gas-phase basicities and proton affinities of amino acids and peptides. Mass Spectrometry Reviews, 1997, 16, 201-217.	5.4	382
665	A novel \hat{l}^2 -thymosin from the sea urchin: extending the phylogenetic distribution of \hat{l}^2 -thymosins from mammals to echinoderms. Journal of Peptide Science, 1997, 3, 282-290.	1.4	27
666	Stability of secondary structural elements in a solvent-free environment: the \hat{l}_{\pm} helix. Proteins: Structure, Function and Bioinformatics, 1997, 27, 165-170.	2.6	63
667	An introduction to electrospray ionization and matrix-assisted laser desorption/ionization mass spectrometry: Essential tools in a modern biotechnology environment. Biospectroscopy, 1997, 3, 259-280.	0.6	37
668	Application of Liquid Matrix-assisted Laser Desorption/Ionization 4-Sector Tandem Mass Spectrometry for the Analysis of Spider Toxin Acylpolyamines. Rapid Communications in Mass Spectrometry, 1997, 11, 1115-1119.	1.5	13
669	Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry as a Rapid Screening Method to Detect Mutations Causing Tay-Sachs Disease. Rapid Communications in Mass Spectrometry, 1997, 11, 1144-1150.	1.5	19
670	Matrix-assisted laser desorption/ionization mass spectrometry of proteins extracted directly from sodium dodecyl sulphate-polyacrylamide gels. Rapid Communications in Mass Spectrometry, 1997, 11, 1867-1873.	1.5	44
671	Isoelctric Focusing in Immobilized pH Gradients: Recent Analytical and Preparative Developments. Analytical Biochemistry, 1997, 247, 1-10.	2.4	61
672	Mass Spectrometry of Whole Proteins Eluted from Sodium Dodecyl Sulfate–Polyacrylamide Gel Electrophoresis Gels. Analytical Biochemistry, 1997, 247, 257-267.	2.4	199
673	Structural Characterization of Peptidoglycan Muropeptides by Matrix-Assisted Laser Desorption lonization Mass Spectrometry and Postsource Decay Analysis. Analytical Biochemistry, 1997, 248, 7-14.	2.4	37
674	Oligosaccharide Characterization and Quantitation Using 1-Phenyl-3-methyl-5-pyrazolone Derivatization and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Biochemistry, 1997, 248, 63-75.	2.4	51
675	A Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry Approach to Identify the Origin of the Glycan Heterogeneity of Diptericin, an O-Glycosylated Antibacterial Peptide from Insects. Analytical Biochemistry, 1997, 247, 366-375.	2.4	27

#	Article	IF	Citations
676	Characterization of the Structural Difference between Active and Inactive Forms of the Ras Protein by Chemical Modification Followed by Mass Spectrometric Peptide Mapping. Analytical Biochemistry, 1997, 248, 15-25.	2.4	21
677	Peptide bank generated by large-scale preparation of circulating human peptides. Journal of Chromatography A, 1997, 776, 125-132.	3.7	72
678	Isoelectric focusing of proteins and peptides in gel slabs and in capillaries1This humble review is dedicated to the memory of our Maestro, Prof. Harry Svensson-Rilbe, who died on July 10, 1997 at the age of 84 years.1. Analytica Chimica Acta, 1998, 372, 1-19.	5.4	71
679	Comparison of microscale cleaning procedures for (Glyco) proteins prior to positive ion matrix-assisted laser desorption ionization mass spectrometry. Analytica Chimica Acta, 1998, 372, 187-199.	5.4	9
680	Procedures leading to primary structure determination of proteins in complex mixtures by gel electrophoresis and modern micro-scale analyses. Analytica Chimica Acta, 1998, 372, 21-32.	5.4	4
681	Gas-phase diagnostics and LIF-imaging of 3-hydroxypicolinic acid maldi-matrix plumes. Chemical Physics Letters, 1998, 286, 425-432.	2.6	74
682	Advances in instrumentation in liquid chromatography–mass spectrometry and related liquid-introduction techniques. Journal of Chromatography A, 1998, 794, 407-435.	3.7	201
683	MPSA Short Communications Listing. The Protein Journal, 1998, 17, 505-567.	1.1	0
684	Desorption of Solid O2 Induced by Vibrational Excitations. Journal of Low Temperature Physics, 1998, 111, 747-756.	1.4	3
686	Monitoring Protein Expression in Whole Bacterial Cells with MALDI Time-of-Flight Mass Spectrometry. Analytical Chemistry, 1998, 70, 2704-2709.	6.5	69
687	Impact energy measurement in time-of-flight mass spectrometry with cryogenic microcalorimeters. Nature, 1998, 391, 672-675.	27.8	114
688	Probing the Binding Region of the Singleâ€Stranded DNAâ€Binding Domain of Rat DNA Polymerase β Using Nanosecondâ€Pulse Laserâ€Induced Crossâ€Linking and Mass Spectrometry. Photochemistry and Photobiology, 1998, 68, 299-308.	2.5	17
689	Sequencing exons 5 to 8 of the p53 gene by MALDI-TOF mass spectrometry. Nature Biotechnology, 1998, 16, 381-384.	17.5	130
691	Tissue transglutaminase selectively modifies gliadin peptides that are recognized by gut-derived T cells in celiac disease. Nature Medicine, 1998, 4, 713-717.	30.7	1,041
692	Rapid verification of disulfide linkages in recombinant human growth hormone by tandem column tryptic mapping. Journal of Chromatography A, 1998, 808, 121-131.	3.7	17
693	Application of nested PCR and mass spectrometry for DNA-based virus detection: HBV-DNA detected in the majority of isolated anti-HBc positive sera. Genetic Analysis, Techniques and Applications, 1998, 14, 97-102.	1.5	19
694	Protein Conformational Changes Determined by Matrix-Assisted Laser Desorption Mass Spectrometry. Analytical Biochemistry, 1998, 258, 118-126.	2.4	19
695	Detailed Characterization of Carbohydrate Linkage and Sequence in an Ion Trap Mass Spectrometer: Glycosphingolipids. Analytical Biochemistry, 1998, 259, 28-33.	2.4	52

#	Article	IF	CITATIONS
696	Ionspray Ionization–Mass Spectrometric Separation and Determination of Heptafluorobutyryl Derivatives of Polyamines. Analytical Biochemistry, 1998, 265, 253-259.	2.4	18
697	Capillary column chromatography improves sample preparation for mass spectrometric analysis: Complete characterization of human l±-enolase from two-dimensional gels followingin situ proteolytic digestion. Electrophoresis, 1998, 19, 946-955.	2.4	35
698	An algorithm for the identification of proteins using peptides with raggedN- orC-termini generated by sequential endo- and exopeptidase digestions. Electrophoresis, 1998, 19, 1933-1940.	2.4	16
699	Monitoring the hybridization of the components of oligonucleotide mixtures to immobilized DNA via matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1998, 12, 1737-1743.	1.5	17
700	Matrix-assisted laser desorption/ionization and electrospray ionization mass spectrometry analysis of blue copper proteins. Azurin and mavicyanin. , 1998, 12, 1967-1971.		5
701	Contribution of mass spectrometry to contemporary immunology. , 1998, 17, 311-335.		43
702	Ion formation in MALDI mass spectrometry. Mass Spectrometry Reviews, 1998, 17, 337-366.	5.4	695
703	Dissection of multi-protein complexes using mass spectrometry: Subunit interactions in transthyretin and retinol-binding protein complexes., 1998, 33, 3-11.		55
704	The application of matrix-assisted laser desorption/lonisation time-of-flight mass spectrometry (MALDI-TOF MS) to the analysis of lubricants. part 1. polyol ester aviation turbine engine oils. Journal of Synthetic Lubrication: Research, Development and Application of Synthetic Lubricants and Functional Fluids, 1998, 15, 83-96.	0.7	4
705	Fast atom bombardment mass spectrometric characterization of peptides. Molecular Biotechnology, 1998, 9, 141-154.	2.4	5
706	Relaxation of internally excited high-mass ions simulated under typical quadrupole ion trap storage conditions. International Journal of Mass Spectrometry, 1998, 177, 163-174.	1.5	51
707	Direct comparison of infrared and ultraviolet wavelength matrix-assisted laser desorption/ionization mass spectrometry of proteins. Journal of the American Society for Mass Spectrometry, 1998, 9, 1-7.	2.8	108
708	Formulation of matrix solutions for use in matrix-assisted laser desorption/ionization of biomolecules. Journal of the American Society for Mass Spectrometry, 1998, 9, 166-174.	2.8	59
709	New method to study the effects of peptide sequence on the dissociation energetics of peptide ions. Journal of the American Society for Mass Spectrometry, 1998, 9, 175-177.	2.8	8
710	Comparison of mass spectrometric techniques for generating molecular weight information on a class of ethoxylated oligomers. Journal of the American Society for Mass Spectrometry, 1998, 9, 282-291.	2.8	65
711	Origin of product ions in the MS/MS spectra of peptides in a quadrupole ion trap. Journal of the American Society for Mass Spectrometry, 1998, 9, 341-344.	2.8	65
712	Mass spectral identification and positional mapping of aflatoxin B1â€"Guanine adducts in oligonucleotides. Journal of the American Society for Mass Spectrometry, 1998, 9, 676-682.	2.8	43
713	Importance of matrix: Analyte ratio for buffer tolerance using 2,5-dihydroxybenzoic acid as a matrix in matrix-assisted laser desorption/ionization-fourier transform mass spectrometry and matrix-assisted laser desorption/ionization-time of flight. Journal of the American Society for Mass Spectrometry, 1998. 9. 805-813.	2.8	64

#	Article	IF	CITATIONS
714	Characterization of labeled oligonucleotides using enzymatic digestion and tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 1998, 9, 660-667.	2.8	9
715	Near-ultraviolet-induced matrix-assisted laser desorption/ionization as a function of wavelength. Journal of the American Society for Mass Spectrometry, 1998, 9, 885-891.	2.8	85
716	Exploring infrared wavelength matrix-assisted laser desorption/ionization of proteins with delayed-extraction time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 1998, 9, 879-884.	2.8	34
717	Resolution and mass accuracy in matrix-assisted laser desorption ionization-time-of-flight. Journal of the American Society for Mass Spectrometry, 1998, 9, 892-911.	2.8	80
718	Matrix-assisted filament desorption/ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 1998, 9, 1226-1228.	2.8	7
719	Laser assisted deposition of supramolecular organizates on solid surfaces. Materials Science and Engineering C, 1998, 6, 13-17.	7.3	7
720	Applications of mass spectrometry to the characterization of oligonucleotides and nucleic acids. Current Opinion in Biotechnology, 1998, 9, 25-34.	6.6	75
721	Aspects of oligonucleotide and peptide sequencing with MALDI and electrospray mass spectrometry. Bioorganic and Medicinal Chemistry, 1998, 6, 1547-1554.	3.0	17
722	Electrosprayâ€ionization mass spectrometry of intact intrinsic membrane proteins. Protein Science, 1998, 7, 1423-1430.	7.6	201
723	Identification of a Gliadin Tâ€Cell Epitope in Coeliac Disease: General Importance of Gliadin Deamidation for Intestinal Tâ€Cell Recognition. Scandinavian Journal of Immunology, 1998, 48, 111-115.	2.7	251
724	Analytical development of electrospray and nanoelectrospray mass spectrometry in combination with liquid chromatography for the characterization of proteins. Biomedical Applications, 1998, 706, 91-100.	1.7	41
725	Photochemistry and proton transfer reaction chemistry of selected cinnamic acid derivatives in hydrogen bonded environments. International Journal of Mass Spectrometry and Ion Processes, 1998, 175, 187-204.	1.8	18
726	Crystallite size dependence of volatilization in matrix-assisted laser desorption ionization. Applied Surface Science, 1998, 127-129, 226-234.	6.1	48
727	LIF imaging and gas-phase diagnostics of laser desorbed MALDI-matrix plumes. Applied Surface Science, 1998, 127-129, 248-254.	6.1	24
728	Differential mobility analysis of molecular ions and nanometer particles. TrAC - Trends in Analytical Chemistry, 1998, 17, 328-339.	11.4	133
729	Matrix-assisted laser desorption/ionisation–mass spectrometry applied to biological macromolecules. TrAC - Trends in Analytical Chemistry, 1998, 17, 470-484.	11.4	55
730	Mass Spectrometry of Peptides in Neuroscience. Peptides, 1998, 19, 781-789.	2.4	46
731	Identification of an enzymatically formed glutathione conjugate of the cyanobacterial hepatotoxin microcystin-LR: the first step of detoxication. Biochimica Et Biophysica Acta - General Subjects, 1998, 1425, 527-533.	2.4	493

#	Article	IF	CITATIONS
732	Identifying proteins and post-translational modifications by mass spectrometry. Current Opinion in Structural Biology, 1998, 8, 393-400.	5.7	98
733	Determination of Block Length Distributions of Poly(oxypropylene) and Poly(oxyethylene) Block Copolymers by MALDI-FTICR Mass Spectrometry. Analytical Chemistry, 1998, 70, 843-850.	6.5	65
734	The important contribution of high precision mass spectrometric methods in the study of the structure–function relationship of proteins and enzymesâ€. Analyst, The, 1998, 123, 2457-2461.	3.5	1
735	Mass Spectrometric DNA Diagnostics. Nucleosides & Nucleotides, 1998, 17, 2157-2164.	0.5	4
736	DNA sequence analysis by MALDI mass spectrometry. Nucleic Acids Research, 1998, 26, 2554-2559.	14.5	102
737	Application of electrospray mass spectrometry in biology. Natural Product Reports, 1998, 15, 59.	10.3	12
738	Proteins in Vacuo. Denaturing of Disulfide-Intact and Disulfide-Broken Lysozyme Probed by Molecular Dynamics Simulations. Journal of Physical Chemistry B, 1998, 102, 2277-2283.	2.6	32
739	Polymer Analysis by Micro-Scale Size-Exclusion Chromatography/MALDI Time-of-Flight Mass Spectrometry with a Robotic Interface. Analytical Chemistry, 1998, 70, 1563-1568.	6.5	82
740	On-Line Cation Exchange for Suppression of Adduct Formation in Negative-Ion Electrospray Mass Spectrometry of Nucleic Acids. Analytical Chemistry, 1998, 70, 5288-5295.	6.5	102
741	Structural Characterization of Carbohydrate Sequence, Linkage, and Branching in a Quadrupole Ion Trap Mass Spectrometer:  Neutral Oligosaccharides and N-Linked Glycans. Analytical Chemistry, 1998, 70, 3053-3059.	6.5	163
742	Molecular Dynamics of Matrix-Assisted Laser Desorption of Leucine Enkephalin Guest Molecules from Nicotinic Acid Host Crystal. Journal of Physical Chemistry B, 1998, 102, 4770-4778.	2.6	47
743	Chromatographic Separation and Sample Preparation in One Step for MALDI Mass Spectrometric Analysis of Subpicomole Amounts of Heterogeneous Protein Samples. Analytical Chemistry, 1998, 70, 3046-3052.	6.5	27
744	Proteins in Vacuo. Denaturation of Highly-Charged Lysozyme Studied by Molecular Dynamics Simulations. Journal of Physical Chemistry B, 1998, 102, 9344-9352.	2.6	39
745	On-Line MALDI-TOF MS Using a Continuous Vacuum Deposition Interface. Analytical Chemistry, 1998, 70, 5278-5287.	6.5	118
746	Automation of Data Collection for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Using a Correlative Analysis Algorithm. Analytical Chemistry, 1998, 70, 3213-3219.	6.5	18
747	Electrospray Ionization-Ion Trap Mass Spectrometry for Structural Analysis of Complex N-Linked Glycoprotein Oligosaccharides. Analytical Chemistry, 1998, 70, 4441-4447.	6.5	148
748	Characterization of Hemoglobin Variants by MALDI-TOF MS Using a Polyurethane Membrane as the Sample Support. Analytical Chemistry, 1998, 70, 5142-5149.	6.5	41
749	Analysis of DNA Fragments from Conventional and Microfabricated PCR Devices Using Delayed Extraction MALDI-TOF Mass Spectrometry. Analytical Chemistry, 1998, 70, 2067-2073.	6.5	50

#	Article	IF	CITATIONS
750	Interfacing of CE in a PVP Matrix to Ion Trap Mass Spectrometry:  Analysis of Isomeric and Structurally Related (N-Acetylamino)fluorene-Modified Oligonucleotides. Analytical Chemistry, 1998, 70, 3021-3027.	6.5	38
751	Conformation of Highly-Charged Gas-Phase Lysozyme Revealed by Energetic Surface Imprinting. Journal of the American Chemical Society, 1998, 120, 7608-7616.	13.7	47
752	Preparation and Characterization of a Bis(silsesquioxane)tungsten Complex. Inorganic Chemistry, 1998, 37, 6583-6586.	4.0	14
7 53	Alkaline Degradation of Oligosaccharides Coupled with Matrix-Assisted Laser Desorption/Ionization Fourier Transform Mass Spectrometry:  A Method for Sequencing Oligosaccharides. Analytical Chemistry, 1998, 70, 663-672.	6.5	86
754	Picoliter Sample Preparation in MALDI-TOF MS Using a Micromachined Silicon Flow-Through Dispenser. Analytical Chemistry, 1998, 70, 4755-4760.	6.5	122
755	Three-Dimensional Ion Mobility/TOFMS Analysis of Electrosprayed Biomolecules. Analytical Chemistry, 1998, 70, 2236-2242.	6.5	330
756	Triterpenoid Saponins. Progress in the Chemistry of Organic Natural Products, 1998, 74, 1-196.	1.1	25
757	Effect of Stannous Octoate on the Composition, Molecular Weight, and Molecular Weight Distribution of Ethylene Glycol-Initiated Poly(ἵμ-Caprolactone). Journal of Macromolecular Science - Pure and Applied Chemistry, 1998, 35, 723-750.	2.2	58
758	Peer Reviewed: Characterizing Synthetic Polymers by MALDI MS. Analytical Chemistry, 1998, 70, 456A-461A.	6.5	90
759	Unknown Peptide Sequencing Using Matrix-Assisted Laser Desorption/Ionization and In-Source Decay. Analytical Chemistry, 1998, 70, 1214-1222.	6.5	45
760	Viral Characterization by Direct Analysis of Capsid Proteins. Analytical Chemistry, 1998, 70, 3863-3867.	6.5	67
761	Coupling 2D SDSâ°'PAGE with CNBr Cleavage and MALDI-TOFMS:  A Strategy Applied to the Identification of Proteins Induced by a Hypochlorous Acid Stress in Escherichia coli. Analytical Chemistry, 1998, 70, 4433-4440.	6.5	32
762	Sequencing DNA using mass spectrometry for ladder detection. Nucleic Acids Research, 1998, 26, 2488-2490.	14.5	61
763	Sequencing and Characterization of Larger Oligonucleotides by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Reviews in Analytical Chemistry, 1998, 17, 1-68.	3.2	33
764	MALDI-TOF mass spectrometric typing of single nucleotide polymorphisms with mass-tagged ddNTPs. Nucleic Acids Research, 1998, 26, 2827-2828.	14.5	70
765	Chapter 4. Instrumentation used for pyrolysis. Techniques and Instrumentation in Analytical Chemistry, 1998, , 71-96.	0.0	0
766	A high resolution dual mass gate for ion separation in laser desorption/ionization time of flight mass spectrometry. Review of Scientific Instruments, 1998, 69, 1661-1664.	1.3	37
767	The Cancer-predisposing Mutation C61G Disrupts Homodimer Formation in the NH2-terminal BRCA1 RING Finger Domain. Journal of Biological Chemistry, 1998, 273, 7795-7799.	3.4	79

#	Article	IF	CITATIONS
768	Phosphorylation of Enabled by the <i>Drosophila</i> Abelson Tyrosine Kinase Regulates the In Vivo Function and Protein-Protein Interactions of Enabled. Molecular and Cellular Biology, 1998, 18, 152-160.	2.3	78
769	Determination of mercapturic acids using 1,4- dihydroxynaphthalene, a new matrix for matrix-assisted UV laser desorption/ionization mass spectrometry. European Journal of Mass Spectrometry, 1998, 4, 157.	0.7	8
770	p-Nitroaniline/glycerol: a binary liquid matrix for MALDI analysis. European Journal of Mass Spectrometry, 1998, 4, 379.	0.7	15
771	Structural characterization of a potent vasodilatory recombinant peptide by a multiplemass spectrometric approach including LC/electrospray ionization MS Bunseki Kagaku, 1998, 47, 17-24.	0.2	0
772	Ultramicroanalysis of Peptide Profiles in Biological Samples Using MALDI Mass Spectrometry. Nephron Experimental Nephrology, 1998, 6, 421-428.	2.2	21
773	Proteomics in human disease: Cancer, heart and infectious diseases. , 0, , 52-62.		0
774	Proteome Analysis: A Pathway to the Functional Analysis of Proteins. , 0, , 1-16.		0
776	Glycoalkaloid Concentration in Alberta Potatoes Determined by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Journal of AOAC INTERNATIONAL, 1999, 82, 908-914.	1.5	7
778	Direct genetic analysis by matrix-assisted laser desorption/ionization mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6301-6306.	7.1	134
779	Rapid Screening for Diuretic Doping Agents in Urine by C60-Assisted Laser-Desorption-Ionization-Time-of-Flight Mass Spectrometry. Journal of Analytical Toxicology, 1999, 23, 337-342.	2.8	16
780	Sublimation properties of x,y-dihydroxybenzoic acid isomers as model matrix assisted laser desorption ionisation (MALDI) matrices. Thermochimica Acta, 1999, 327, 167-171.	2.7	47
781	Gas-phase memory of solution-phase protein conformation: H/D exchange and Fourier transform ion cyclotron resonance mass spectrometry of the N-terminal domain of cardiac troponin C. International Journal of Mass Spectrometry, 1999, 192, 319-325.	1.5	45
782	Investigations of matrix-assisted laser desorption/ionization sample preparation by time-of-flight secondary ion mass spectrometry. Journal of the American Society for Mass Spectrometry, 1999, 10, 104-111.	2.8	96
783	Peptide and protein identification by matrix-assisted laser desorption ionization (MALDI) and MALDI-post-source decay time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 1999, 10, 91-103.	2.8	215
784	Gas-phase oxidation and reduction of some 1-(2-benzothiazolyl)-3,5-diphenyl formazans. Complex formation with transition metals under laser desorption ionization. Journal of the American Society for Mass Spectrometry, 1999, 10, 339-346.	2.8	3
785	Hydroiodic acid attachment kinetics as a chemical probe of gaseous protein ion structure: Bovine pancreatic trypsin inhibitor. Journal of the American Society for Mass Spectrometry, 1999, 10, 552-556.	2.8	19
786	Analysis of triacylglycerols and whole oils by matrix-assisted laser desorption/ionization time of flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 1999, 10, 983-991.	2.8	124
787	Sequence and side-chain specific photofragment (193 nm) ions from protonated substance P by matrix-assisted laser desorption ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 1999, 10, 1038-1040.	2.8	49

#	Article	IF	CITATIONS
788	External ion accumulation of low molecular weight poly(ethylene glycol) by electrospray ionization fourier transform mass spectrometry. Journal of the American Society for Mass Spectrometry, 1999, 10, 1298-1304.	2.8	19
789	Bioanalytic applications of mass spectrometry. Current Opinion in Biotechnology, 1999, 10, 22-28.	6.6	51
790	Proteome analysis. Biomedical Applications, 1999, 722, 203-223.	1.7	55
791	Impact of mass spectrometry on combinatorial chemistry. Biomedical Applications, 1999, 725, 49-65.	1.7	59
792	Application of delayed extraction matrix-assisted laser desorption ionization time-of-flight mass spectrometry for analysis of sphingolipids in tissues from sphingolipidosis patients. Biomedical Applications, 1999, 731, 45-52.	1.7	35
793	A new multi-passage time-of-flight mass spectrometer at JAIST. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 427, 182-186.	1.6	24
794	Rapid identification of DNA-binding proteins by mass spectrometry. Nature Biotechnology, 1999, 17, 884-888.	17. 5	74
795	Desorption–ionization mass spectrometry on porous silicon. Nature, 1999, 399, 243-246.	27.8	1,046
796	Growing range of correlated motion in a polymer melt on cooling towards the glass transition. Nature, 1999, 399, 246-249.	27.8	374
797	Ultravioletâ€Bâ€Induced Damage to <i>Escherichia coli</i> Fpg Protein. Photochemistry and Photobiology, 1999, 69, 658-663.	2.5	14
798	Strategies for analysis of electrophoretically separated proteins and peptides. Analytica Chimica Acta, 1999, 383, 27-46.	5.4	24
799	Assaying neurotransmitters in and around single neurons with information-rich detectors. Analytica Chimica Acta, 1999, 400, 13-26.	5.4	15
800	Application of a peptide bank from porcine brain in isolation of regulatory peptides. Journal of Chromatography A, 1999, 852, 273-283.	3.7	7
801	Analysis of DNA adducts using high-performance separation techniques coupled to electrospray ionization mass spectrometry. Journal of Chromatography A, 1999, 856, 515-526.	3.7	82
802	Analysis of 8-aminonaphthalene-1,3,6-trisulfonate-derivatized oligosaccharides by capillary electrophoresis–electrospray ionization quadrupole ion trap mass spectrometry. Journal of Chromatography A, 1999, 858, 229-238.	3.7	42
803	Studies on the primary structure of short polysaccharides using SEC MALDI mass spectroscopy. Carbohydrate Research, 1999, 323, 139-146.	2.3	24
804	The disulfide bond arrangement in the extracellular domain of the activin type II receptor. The Protein Journal, 1999, 18, 437-446.	1.1	6
805	Characterization of Metallo-Supramolecular Systems by MALDI-TOF Mass Spectrometry. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1999, 35, 101-109.	1.6	13

#	Article	IF	CITATIONS
806	News & Notes: Production, Purification, and Properties of an Endo-1,3-Î ² -Glucanase from the Basidiomycete Agaricus bisporus. Current Microbiology, 1999, 38, 190-193.	2.2	16
807	Phase transition at low fluences in laser desorption of organic solids: a molecular dynamics study. Nuclear Instruments & Methods in Physics Research B, 1999, 153, 167-171.	1.4	10
808	Disassembly of intact multiprotein complexes in the gas phase. Current Opinion in Structural Biology, 1999, 9, 135-141.	5.7	89
809	Protein, lipid and water organization in bacteriorhodopsin crystals: a molecular view of the purple membrane at 1.9 Å resolution. Structure, 1999, 7, 909-917.	3.3	431
810	Detection of trinucleotide expansion in neurodegenerative disease by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Genetic Analysis, Techniques and Applications, 1999, 15, 25-31.	1.5	18
811	Direct Detection of Proteins Adsorbed on Synthetic Materials by Matrix-Assisted Laser Desorption Ionization–Mass Spectrometry. Analytical Biochemistry, 1999, 273, 156-162.	2.4	41
812	Protein Analysis Using Enzymes Immobilized to Paramagnetic Beads. Analytical Biochemistry, 1999, 274, 153-162.	2.4	83
813	Affinity Mass Spectrometry-Based Approaches for the Analysis of Protein-Protein Interaction and Complex Mixtures of Peptide-Ligands. Analytical Biochemistry, 1999, 275, 162-170.	2.4	27
814	A two-dimensional electrophoresis database of rat heart proteins. Electrophoresis, 1999, 20, 891-897.	2.4	50
815	Analysis of proteins from membrane-enriched cerebellar preparations by two-dimensional gel electrophoresis and mass spectrometry. Electrophoresis, 1999, 20, 917-927.	2.4	38
816	Proteomics in human disease: Cancer, heart and infectious diseases. Electrophoresis, 1999, 20, 2100-2110.	2.4	197
817	Classifying symbiotic proteins fromBradyrhizobium japonicum into functional groups by proteome analysis of altered gene expression levels. Electrophoresis, 1999, 20, 3514-3520.	2.4	36
818	Infrared matrix-assisted laser desorption/ionization mass spectrometry with a transversely excited atmospheric pressure carbon dioxide laser at $10.6~{\rm \^A}\mu{\rm m}$ wavelength with static and delayed ion extraction. Rapid Communications in Mass Spectrometry, 1999, 13, 26-32.	1.5	41
819	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis of phospholipase A2 and fibrinolytic enzyme, two enzymes obtained from chineseAgkistrodon blomhoffii Ussurensis venom., 1999, 13, 150-155.		7
820	Homogeneous sample preparation for automated high throughput analysis with matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 315-322.	1.5	142
821	Time-of-flight effects in matrix-assisted laser desorption/ionization fourier transform mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 398-406.	1.5	8
822	The angular distribution of neutral poly-alanine molecules produced in a matrix-assisted laser desorption/ionization process. Rapid Communications in Mass Spectrometry, 1999, 13, 792-797.	1.5	9
823	Accurate end group determination of low molecular weight polymers by electrospray ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 826-827.	1.5	11

#	Article	IF	Citations
824	Accurate characterization of the tyrosine hydroxylase forensic allele 9.3 through development of electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry., 1999, 13, 954-962.		40
825	Formation of macrocyclic oligoferrocenes: a matrix-assisted laser desorption/ionization mass spectrometric study., 1999, 13, 1088-1090.		1
826	Atmospheric pressure ion mobility spectrometry of protonated and sodiated peptides., 1999, 13, 1138-1142.		43
827	Interaction between explosive and analyte layers in explosive matrix-assisted plasma desorption mass spectrometry., 1999, 13, 1169-1174.		7
828	Analysis of negatively â€~charge tagged' DNA by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. , 1999, 13, 1739-1743.		31
829	Optimization of an ion-to-photon detector for large molecules in mass spectrometry. , 1999, 13, 1958-1967.		9
830	Effect of the labeling group in structural analyses of malononitrile-labeled oligosaccharides by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and electrospray ionization mass spectrometry. , 1999, 13, 1985-1990.		8
831	Multiple cationization of polyethylene glycols in field desorption mass spectrometry: a new approach to extend the mass scale on sector mass spectrometers. , 1999, 13, 2223-2226.		10
832	A novel interface for on-line coupling of liquid capillary chromatography with matrix-assisted laser desorption/ionization detection. , 1999, 13, 2278-2283.		39
833	Laser desorption of DNA oligomers larger than one kilobase from cooled 4-nitrophenol. Rapid Communications in Mass Spectrometry, 1999, 13, 2335-2340.	1.5	23
834	Effect of combined changes in delayed extraction time and potential gradient on the mass resolution and ion discrimination in the analysis of polydisperse polymers and polymer blends by delayed extraction matrix-assisted laser desorption/ionization time-of-flight mass spectrometry., 1999, 13, 2511-2517.		48
835	Sample purification and preparation technique based on nano-scale reversed-phase columns for the sensitive analysis of complex peptide mixtures by matrix-assisted laser desorption/ionization mass spectrometry. Journal of Mass Spectrometry, 1999, 34, 105-116.	1.6	679
836	Matrix optimization for matrix-assisted laser desorption/ionization mass spectrometry of oligosaccharides from human milk. , 1999, 34, 98-104.		64
837	Determination of N-linked glycosylation of yeast external invertase by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. , 1999, 34, 311-329.		28
838	The initial ion velocity and its dependence on matrix, analyte and preparation method in ultraviolet matrix-assisted laser desorption/ionization. Journal of Mass Spectrometry, 1999, 34, 467-477.	1.6	145
839	Comparative mass spectrometric analyses of Photofrin oligomers by fast atom bombardment mass spectrometry, UV and IR matrix-assisted laser desorption/ionization mass spectrometry, electrospray ionization mass spectrometry and laser desorption/jet-cooling photoionization mass spectrometry. lournal of Mass Spectrometry. 1999. 34. 661-669.	1.6	44
840	Fragmentation of an alkali metal-attached peptide probed by collision-induced dissociation Fourier transform mass spectrometry and computational methodology., 1999, 34, 958-968.		21
841	Hydropathic influences on the quantification of equine heart cytochromec using relative ion abundance measurements by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry., 1999, 34, 1055-1062.		37

#	Article	IF	CITATIONS
842	Interaction between antitumor drugs and a double-stranded oligonucleotide studied by electrospray ionization mass spectrometry., 1999, 34, 1328-1337.		168
843	Energy-sensitive cryogenic detectors for high-mass biomolecule mass spectrometry. , 1999, 18, 155-186.		79
844	Maldi time-of-flight mass spectrometry of synthetic polymers. Mass Spectrometry Reviews, 1999, 18, 309-344.	5.4	556
845	Matrix-assisted laser desorption/ionization mass spectrometry of carbohydrates. Mass Spectrometry Reviews, 1999, 18, 349-450.	5.4	713
846	Advances in surface plasmon resonance biomolecular interaction analysis mass spectrometry (BIA/MS)., 1999, 12, 77-93.		70
848	Proteome Analysis: A Pathway to the Functional Analysis of Proteins. Angewandte Chemie - International Edition, 1999, 38, 2476-2492.	13.8	119
849	Analysis of Nucleic Acids by Capillary Ion-Pair Reversed-Phase HPLC Coupled to Negative-Ion Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 1999, 71, 3730-3739.	6.5	122
850	Capitalizing on the High Mass Accuracy of Electrospray Ionization Fourier Transform Mass Spectrometry for Synthetic Polymer Characterization: A Detailed Investigation of Poly(dimethylsiloxane). Macromolecules, 1999, 32, 4411-4418.	4.8	41
851	Top Down versus Bottom Up Protein Characterization by Tandem High-Resolution Mass Spectrometry. Journal of the American Chemical Society, 1999, 121, 806-812.	13.7	535
852	BIA/MS of Epitope-Tagged Peptides Directly fromE. ColiLysate:Â Multiplex Detection and Protein Identification at Low-Femtomole to Subfemtomole Levels. Analytical Chemistry, 1999, 71, 2858-2865.	6.5	95
853	Polymer Analysis by Liquid Chromatography/Electrospray Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 1999, 71, 1809-1814.	6.5	65
854	Controlling Charge States of Large Ions. Science, 1999, 283, 194-197.	12.6	157
855	Analysis of complex polymers by multidimensional techniques. Invited Lecture. Physical Chemistry Chemical Physics, 1999, 1, 3879-3890.	2.8	12
856	Adiabatic bias molecular dynamics: A method to navigate the conformational space of complex molecular systems. Journal of Chemical Physics, 1999, 110, 3697-3702.	3.0	132
857	Analysis of tissues that reflect central nervous system disease by mass spectrometry: Review of a Scandinavian Thesis. Scandinavian Journal of Clinical and Laboratory Investigation, 1999, 59, 383-391.	1.2	2
858	Transglutaminase-mediated amine incorporation into substance P protects the peptide against proteolysis in vitro. Regulatory Peptides, 1999, 84, 75-80.	1.9	19
859	Synthesis, Spectroscopy, and Photocytotoxicity of Glycosylated Amino Acid Porphyrin Derivatives as Promising Molecules for Cancer Phototherapy. Journal of Organic Chemistry, 1999, 64, 4431-4444.	3.2	65
860	A General Method for Producing Bioaffinity MALDI Probes. Analytical Chemistry, 1999, 71, 2014-2020.	6.5	27

#	Article	IF	CITATIONS
861	Molecular Dynamics Study of Vibrational Excitation Dynamics and Desorption in Solid O2. Journal of Physical Chemistry A, 1999, 103, 2925-2933.	2.5	31
862	Gas-Phase Hydrogen/Deuterium Exchange Reactions of Fulvic Acids:  An Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectral Study. Analytical Chemistry, 1999, 71, 4719-4726.	6.5	54
863	Mass Spectrometry in DNA Analysis. Analytical Chemistry, 1999, 71, 333-337.	6.5	85
864	MALDIâ^'TOF Investigation of Polymer Degradation. Pyrolysis of Poly(bisphenol A carbonate). Macromolecules, 1999, 32, 8821-8828.	4.8	72
865	Fragmentation Reactions in the Mass Spectrometry Analysis of Neutral Oligosaccharides. Analytical Chemistry, 1999, 71, 3206-3218.	6. 5	118
866	Adenosylcobalamin-Dependent Ribonucleoside Triphosphate Reductase fromLactobacillus Leichmannii. Rapid, Improved Purification Involving dGTP-Based Affinity Chromatography Plus Biophysical Characterization Studies Demonstrating Enhanced, "Crystallographic Level―Purity. Preparative Biochemistry and Biotechnology, 1999, 29, 273-309.	1.9	8
867	Fragment-Free Mass Spectrometric Analysis with Jet Cooling/VUV Photoionization. Analytical Chemistry, 1999, 71, 1674-1678.	6.5	49
868	Lithium and Sodium Ion Binding Energies of N-Acetyl and N-Glycyl Amino Acids. Journal of the American Chemical Society, 1999, 121, 1365-1371.	13.7	43
869	Peer Reviewed: MALDI-TOFMS of Chemically Modified Recombinant Hepatitis B Surface Antigen Analytical Chemistry, 1999, 71, 664A-667A.	6.5	3
870	Anhydrous Protein Ions. Chemical Reviews, 1999, 99, 3037-3080.	47.7	314
871	Charge-Separated Modified Nucleobases. On π-Interactions and Hydrogen Bonding of Self-Complementary Cationic and Betainic Uracils. Journal of Organic Chemistry, 1999, 64, 9499-9506.	3.2	25
872	New Techniques for the Rapid Characterization of Oligonucleotides by Mass Spectrometry. Nucleosides & Nucleotides, 1999, 18, 1549-1553.	0.5	22
873	Comparison of in Vivo and in Vitro Phosphorylation of the Exocytosis-Sensitive Protein PP63/Parafusin by Differential MALDI Mass Spectrometric Peptide Mappingâ€. Biochemistry, 1999, 38, 7780-7790.	2.5	35
874	Two-Layer Sample Preparation:Â A Method for MALDI-MS Analysis of Complex Peptide and Protein Mixtures. Analytical Chemistry, 1999, 71, 1087-1091.	6.5	185
875	Unfolding, Refolding, and Hydration of Proteins in the Gas Phase. Accounts of Chemical Research, 1999, 32, 360-367.	15.6	173
876	18O-Labeling of N-Glycosylation Sites To Improve the Identification of Gel-Separated Glycoproteins Using Peptide Mass Mapping and Database Searching. Analytical Chemistry, 1999, 71, 1431-1440.	6.5	154
877	Selection of Modified Oligonucleotides with Increased Target Affinity via MALDI-Monitored Nuclease Survival Assays. ACS Combinatorial Science, 1999, 1, 493-508.	3.3	30
878	Intrinsic Size Parameters for Val, Ile, Leu, Gln, Thr, Phe, and Trp Residues from Ion Mobility Measurements of Polyamino Acid Ions. Journal of Physical Chemistry B, 1999, 103, 8780-8785.	2.6	64

#	Article	IF	CITATIONS
879	Laser Desorption/Ionization Mass Spectrometry of Peptides and Proteins with Particle Suspension Matrixes. Analytical Chemistry, 1999, 71, 221-229.	6.5	185
880	Imaging of Vapor Plumes Produced by Matrix Assisted Laser Desorption: A Plume Sharpening Effect. Physical Review Letters, 1999, 83, 444-447.	7.8	103
881	Processing, Disulfide Pattern, and Biological Activity of a Sugar Beet Defensin, AX2, Expressed in Pichia pastoris. Protein Expression and Purification, 1999, 16, 377-387.	1.3	30
882	Direct Profiling of Proteins in Biological Tissue Sections by MALDI Mass Spectrometry. Analytical Chemistry, 1999, 71, 5263-5270.	6.5	275
884	Polytopic Coreceptor from Conformationally Stabilized Calix[6] arene for Alkali Metal Ions. Chemistry Letters, 1999, 28, 345-346.	1.3	2
885	Can complexation constants in solution be measured by matrix- assisted laser desorption/ionization mass spectrometry?. European Journal of Mass Spectrometry, 1999, 5, 267.	0.7	7
886	[35] Matrix-assisted laser desorption ionization-postsource decay-mass spectrometry. Methods in Enzymology, 1999, , 390-408.	1.0	3
887	<title>Fabrication and design of open microchannels for capillary electrophoresis separations and matrix-assisted laser/desorption mass spectroscopy analysis</title> ., 1999, 3606, 137.		2
888	Bio―und Umweltanalytik mit neuen Methoden der Massenspektrometrie. Nachrichten Aus Der Chemie, 1999, 47, 529-531.	0.0	0
890	Gas-Phase Separations of Electrosprayed Peptide Libraries. Analytical Chemistry, 1999, 71, 3918-3927.	6.5	148
891	Primary Structure of Rat Spermidine Synthase: An Example of Refining the cDNA-Derived Amino Acid Sequence Biological and Pharmaceutical Bulletin, 1999, 22, 889-895.	1.4	5
892	[47] Sphingolipid photoaffinity labels. Methods in Enzymology, 2000, 311, 568-600.	1.0	16
894	Tailored novolak resins for advanced photoresists by a two-step procedure: new insight into the molecular structure is achieved by coupling GPC and MALDI-TOF-MS. , 2000, , .		2
895	Competitive Attachment of Alkali Cations to Poly(ethylene glycol) and Poly(propylene glycol) Oligomers in Matrix-Assisted Laser Desorption/Ionization Process. Chemistry Letters, 2000, 29, 704-705.	1.3	1
897	Some Practical Aspects of the Acceleration—Deceleration Method for Ion Kinetic Energy Focusing in Matrix-Assisted Laser Desorption/Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. European Journal of Mass Spectrometry, 2000, 6, 289-297.	1.0	4
898	A Quadratic-Field Reflectron Time-of-Flight Mass Spectrometer Incorporating Intermediate Temporal Focusing. European Journal of Mass Spectrometry, 2000, 6, 523-530.	1.0	15
899	Ion Trap Collisional Activation of the (M + 2H)2+ \hat{a} (M + 17H)17+lons of Human Hemoglobin \hat{l}^2 -Chain. Analytical Chemistry, 2000, 72, 899-907.	6.5	75
900	Analysis of Oligonucleotides by Matrixâ€Assisted Laser Desorption/Ionization Timeâ€ofâ€Flight Mass Spectrometry. Current Protocols in Nucleic Acid Chemistry, 2000, 00, Unit 10.1.	0.5	1

#	Article	IF	CITATIONS
901	Identification of unexpected modifications of fluorescein-labeled oligodeoxynucleotides by nuclease P1 digestion and mass spectrometric techniques. , 2000, 14, 26-32.		2
902	Characterization of organometallic coordinative cluster compounds of silver by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. , 2000, 14, 298-303.		3
903	Laser photo-induced dissociation using tandem time-of-flight mass spectrometry., 2000, 14, 361-367.		7
904	Qualitative and quantitative end-group analysis of a small molecular weight polyester by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry., 2000, 14, 482-495.		18
905	Analysis of missed cleavage sites, tryptophan oxidation and N-terminal pyroglutamylation after in-gel tryptic digestion., 2000, 14, 496-502.		117
906	Differentiation of enantiomers using matrix-assisted laser desorption/ionization mass spectrometry. , 2000, $14,692-695$.		35
907	Detection of intact hemoglobin from aqueous solution with laser desorption mass spectrometry. , 2000, 14, 859-861.		28
908	Ionization in matrix-assisted laser desorption/ionization: singly charged molecular ions are the lucky survivors., 2000, 35, 1-12.		522
909	Introduction to Modern Biological Mass Spectrometry. , 2000, 35, 114-130.		17
910	Low-mass ions observed in plasma desorption mass spectrometry of high explosives. , 2000, 35, 337-346.		280
911	Contributions of mass spectrometry to structural immunology. , 2000, 35, 493-503.		32
912	Matrix-assisted laser desorption ionization mass spectrometry detection of proteins adsorbedin vivo onto contact lenses., 2000, 49, 36-42.		56
913	DNA sequencing by capillary array electrophoresis and microfabricated array systems. Electrophoresis, 2000, 21, 55-65.	2.4	118
914	Protein identification methods in proteomics. Electrophoresis, 2000, 21, 1145-1154.	2.4	328
915	Recent advancements in surface-enhanced laser desorption/ionization-time of flight-mass spectrometry. Electrophoresis, 2000, 21, 1164-1177.	2.4	726
916	Matrix-assisted laser desorption/ionization mass spectrometric quantification of the mu opioid receptor agonist DAMGO in ovine plasma. Journal of Mass Spectrometry, 2000, 35, 725-733.	1.6	34
917	Tandem mass spectrometry: dissociation of ions by collisional activation. Journal of Mass Spectrometry, 2000, 35, 1069-1090.	1.6	223
918	Sequencing of a branched peptide using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Mass Spectrometry, 2000, 35, 1425-1433.	1.6	14

#	Article	IF	CITATIONS
919	A tandem quadrupole/time-of-flight mass spectrometer with a matrix-assisted laser desorption/ionization source: design and performance. Rapid Communications in Mass Spectrometry, 2000, 14, 1047-1057.	1.5	296
920	Characterization of intermolecular ?-sheet peptides by mass spectrometry and hydrogen isotope exchange. Rapid Communications in Mass Spectrometry, 2000, 14, 1094-1104.	1.5	29
921	Application of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry to insoluble glucose oligomers in decomposed cellulose. Rapid Communications in Mass Spectrometry, 2000, 14, 1823-1827.	1.5	19
922	Quantitation of low molecular mass substrates and products of enzyme catalyzed reactions using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 1972-1978.	1.5	82
923	Reaction monitoring of succinylation of collagen with matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 2125-2128.	1.5	16
924	Structural Analysis of Cartilage Proteoglycans and Glycoproteins Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Biochemistry, 2000, 277, 94-103.	2.4	20
925	A Method for Application of Samples to Matrix-Assisted Laser Desorption Ionization Time-of-Flight Targets That Enhances Peptide Detection. Analytical Biochemistry, 2000, 279, 1-8.	2.4	90
926	Proteomics to display lovastatin-induced protein and pathway regulation in rat liver. Electrophoresis, 2000, 21, 2129-2137.	2.4	65
927	Tandem mass spectrometry methods for definitive protein identification in proteomics research. Electrophoresis, 2000, 21, 2252-2265.	2.4	51
928	Complete Structural Characterization of a Chitin-Binding Lectin from Mistletoe Extracts. Journal FÃ $^1\!\!/4$ r Praktische Chemie, 2000, 342, 812-818.	0.2	7
929	New separation tools for comprehensive studies of protein expression by mass spectrometry. Mass Spectrometry Reviews, 2000, 19, 390-397.	5 . 4	44
930	Determination of cyclic structure for polydithiane using electrospray ionization mass spectrometry. Journal of Polymer Science Part A, 2000, 38, 4403-4406.	2.3	22
931	Application of chromatography and mass spectrometry to the characterization of food proteins and derived peptides. Journal of Chromatography A, 2000, 881, 1-21.	3.7	96
932	Applications of mass spectrometry to food proteins and peptides. Journal of Chromatography A, 2000, 893, 1-21.	3.7	78
933	The impact of buffers and surfactants from micellar electrokinetic chromatography on matrix-assisted laser desorption ionization (MALDI) mass spectrometry of peptides. Journal of Chromatography A, 2000, 894, 345-355.	3.7	44
934	Characterization of crystal content by ESI–MS and MALDI–MS. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 1583-1590.	2.5	13
935	Pigments and proteins in green bacterial chlorosomes studied by matrix-assisted laser desorption ionization mass spectrometry. FEBS Journal, 2000, 267, 450-456.	0.2	20
936	Synthesis of oligocarbonate diols and their characterization by MALDI-TOF spectrometry. Polymer, 2000, 41, 9013-9031.	3.8	50

#	Article	IF	CITATIONS
937	Matrix-assisted laser desorption/ionization mass spectrometry of synthetic polymers. 4. Coupling of size exclusion chromatography and MALDI-TOF using a spray-deposition interface. Polymer, 2000, 41, 4039-4046.	3.8	47
938	Significant interferences in the post source decay spectra of ion-gated fullerene and coalesced carbon cluster ions. International Journal of Mass Spectrometry, 2000, 203, 111-125.	1.5	12
939	Characterisation of synthetic polymer systems. International Journal of Mass Spectrometry, 2000, 200, 261-276.	1.5	93
940	The changing impact of the collision-induced decomposition of ions on mass spectrometry. International Journal of Mass Spectrometry, 2000, 200, 479-493.	1.5	68
941	Timing the flight of biomolecules: a personal perspective. International Journal of Mass Spectrometry, 2000, 200, 597-610.	1.5	18
942	lon trap collisional activation of protonated poly(propylene imine) dendrimers: generations 1–5. International Journal of Mass Spectrometry, 2000, 195-196, 419-437.	1.5	19
943	Hybrid biomaterials: Surface-MALDI mass spectrometry analysis of covalent binding versus physisorption of proteins. Colloids and Surfaces B: Biointerfaces, 2000, 17, 23-35.	5.0	31
944	Gas-phase basicities of the isomeric dihydroxybenzoic acids and gas-phase acidities of their radical cations. Journal of the American Society for Mass Spectrometry, 2000, 11, 544-552.	2.8	57
945	An activated carbon substrate surface for laser desorption mass spectrometry. Journal of the American Society for Mass Spectrometry, 2000, 11, 644-649.	2.8	86
946	De novo sequencing of proteolytic peptides by a combination of C-terminal derivatization and nano-electrospray/ collision-induced dissociation mass spectrometry. Journal of the American Society for Mass Spectrometry, 2000, 11, 673-686.	2.8	28
947	Peptide sequence information derived by pronase digestion and ammonium sulfate in-source decay matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2000, 11, 1000-1008.	2.8	24
948	Proton affinity of uracil. A computational study of protonation sites. Journal of the American Society for Mass Spectrometry, 2000, 11, 1065-1071.	2.8	74
949	In-source decay of hyperbranched polyesteramides in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2000, 11, 218-227.	2.8	32
950	Derivatization of protonated peptides via gas phase ion—molecule reactions with acetone. Journal of the American Society for Mass Spectrometry, 2000, 11, 244-256.	2.8	23
951	Mechanistic studies of multipole storage assisted dissociation. Journal of the American Society for Mass Spectrometry, 2000, 11, 210-217.	2.8	50
952	Novel rearranged ions observed for. Journal of the American Society for Mass Spectrometry, 2000, 11, 345-351.	2.8	17
953	Automated reduction and interpretation of. Journal of the American Society for Mass Spectrometry, 2000, 11, 320-332.	2.8	500
954	Quantitative fluorescence measurements performed on typical matrix molecules in matrix-assisted laser desorption/ionisation. Chemical Physics, 2000, 261, 457-467.	1.9	17

#	Article	IF	Citations
955	Measuring the peptides in individual organelles with mass spectrometry. Nature Biotechnology, 2000, 18, 172-175.	17.5	131
956	The generation of end group information from poly(styrene)s by means of matrix-assisted laser desorption/ionisation-collision induced dissociation. Polymer, 2000, 41, 7437-7450.	3.8	31
957	End-group analysis of vinyl polyperoxides by MALDI-TOF-MS, FT-IR technique and thermochemical calculations. Polymer, 2000, 41, 9063-9072.	3.8	32
958	Heme O is present inParacoccus denitrificanscells and accumulates under anoxic growth. FEMS Microbiology Letters, 2000, 190, 63-66.	1.8	4
959	Characterisation of bacteria by matrix-assisted laser desorption/ionisation and electrospray mass spectrometry. FEMS Microbiology Reviews, 2000, 24, 193-219.	8.6	139
960	Mass spectrometry for genotyping: an emerging tool for molecular medicine. Trends in Molecular Medicine, 2000, 6, 271-276.	2.6	34
961	Genomics and proteomics. Journal of Pharmacological and Toxicological Methods, 2000, 44, 291-300.	0.7	69
962	Characterisation of bacteria by matrix-assisted laser desorption/ionisation and electrospray mass spectrometry. FEMS Microbiology Reviews, 2000, 24, 193-219.	8.6	162
963	Single-cell MALDI: a new tool for direct peptide profiling. Trends in Biotechnology, 2000, 18, 151-160.	9.3	236
964	Single-nucleotide polymorphism analysis by MALDI–TOF mass spectrometry. Trends in Biotechnology, 2000, 18, 77-84.	9.3	213
965	Multitoxin biosensor–mass spectrometry analysis: a new approach for rapid, real-time, sensitive analysis of staphylococcal toxins in food. International Journal of Food Microbiology, 2000, 60, 1-13.	4.7	115
966	Characterizing the Hez-PBAN gene products in neuronal clusters with immunocytochemistry and MALDI MS. Journal of Insect Physiology, 2000, 46, 221-230.	2.0	39
967	Electrospray ionization and matrix-assisted laser desorption ionization mass spectrometry. Biochemical Pharmacology, 2000, 59, 891-905.	4.4	32
968	Observation of Low Molecular Weight Poly(methylsilsesquioxane)s by Graphite Plate Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2000, 72, 5673-5678.	6.5	76
969	Effect of sample preparation methods on the analysis of dispersed polysaccharides by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 1841-1847.	1.5	20
970	Direct TLC-MALDI Coupling Using a Hybrid Plate. Analytical Chemistry, 2000, 72, 68-73.	6.5	58
971	Nano-electrospray ionization mass spectrometry: addressing analytical problems beyond routine. Fresenius' Journal of Analytical Chemistry, 2000, 366, 669-676.	1.5	220
972	Combination of MALDI-TOF mass spectrometry with immobilized enzyme microreactor for peptide mapping. Science in China Series B: Chemistry, 2000, 43, 625-633.	0.8	8

#	Article	IF	CITATIONS
973	Microdispensing and Nanovial Arrays Provides Rapid Automated Protein/Peptide Identification using MALDI-TOF MS. Journal of the Association for Laboratory Automation, 2000, 5, 90-92.	2.8	O
974	Determination of the Glycoforms of Human Chorionic Gonadotropin Î ² -Core Fragment by Matrix-assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Clinical Chemistry, 2000, 46, 1796-1803.	3.2	25
975	Mapping posttranscriptional modifications in 5S ribosomal RNA by MALDI mass spectrometry. Rna, 2000, 6, 296-306.	3.5	115
977	Automated de novo sequencing of proteins by tandem high-resolution mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 10313-10317.	7.1	243
978	Modulation of the Major Histocompatibility Complex Class Il–Associated Peptide Repertoire by Human Histocompatibility Leukocyte Antigen (Hla)-Do. Journal of Experimental Medicine, 2000, 191, 1127-1136.	8.5	85
979	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Lipopolysaccharides. , 2000, 145, 311-325.		36
982	Rapid Identification of Bacteria Based on Spectral Patterns Using MALDI-TOFMS., 2000, 146, 461-487.		28
983	Use of Mass Spectrometry to Study Signaling Pathways. Science Signaling, 2000, 2000, pl1-pl1.	3.6	95
984	Mass spectrometry of biomolecules. Separation Science and Technology, 2000, , 299-327.	0.2	2
985	Laser time-of-flight mass spectrometry for space. Review of Scientific Instruments, 2000, 71, 536-545.	1.3	64
986	Microdispensing and Nanovial Arrays Provides Rapid Automated Protein/Peptide Identification using MALDI-TOF MS. Journal of the Association for Laboratory Automation, 2000, 5, 90-92.	2.8	1
987	Accurate and rapid modeling of iron-bleomycin-induced DNA damage using tethered duplex oligonucleotides and electrospray ionization ion trap mass spectrometric analysis. Nucleic Acids Research, 2000, 28, 1978-1985.	14.5	31
988	Probing the Structure of Rotavirus NSP4: a Short Sequence at the Extreme C Terminus Mediates Binding to the Inner Capsid Particle. Journal of Virology, 2000, 74, 5388-5394.	3.4	51
989	Full flexibility genotyping of single nucleotide polymorphisms by the GOOD assay. Nucleic Acids Research, 2000, 28, 100e-100.	14.5	61
990	Retention of imprinting of the human apoptosis-related gene TSSC3 in human brain tumors. Human Molecular Genetics, 2000, 9, 757-763.	2.9	34
991	A novel procedure for efficient genotyping of single nucleotide polymorphisms. Nucleic Acids Research, 2000, 28, 13e-13.	14.5	118
992	Mass spectrometric analysis of proteins. Advances in Protein Chemistry, 2000, 54, 1-30.	4.4	23
993	Hyphenated Techniques in Liquid Chromatography of Polymers. Advances in Polymer Science, 2000, , 1-66.	0.8	72

#	Article	IF	CITATIONS
994	Identification of Proteins by Mass Spectrometry. Principles and Practice, 2000, , 197-231.	0.3	40
995	Two-Step Laser Mass Spectrometry. Reviews in Analytical Chemistry, 2000, 19, .	3.2	11
996	A New Purification Method for Overproduced Proteins Sensitive to Endogenous Proteases. Journal of Structural Biology, 2000, 132, 142-146.	2.8	12
997	MALDI-TOF mass spectrometry in protein chemistry. , 2000, 88, 81-97.		39
998	The effect of laser wavelength and power density on the laser desorption mass spectrum of fulvic acid. Organic Geochemistry, 2000, 31, 627-634.	1.8	15
999	Rapid, high-level expression of glycosylated rice α-amylase in transfected plants by an RNA viral vector. Gene, 2000, 245, 169-174.	2.2	50
1000	Characterization of Synthetic Polymers by MALDI-TOF/MS:  Investigation into New Methods of Sample Target Preparation and Consequence on Mass Spectrum Finger Print. Analytical Chemistry, 2000, 72, 5106-5114.	6.5	89
1001	Proteomics: new perspectives, new biomedical opportunities. Lancet, The, 2000, 356, 1749-1756.	13.7	419
1002	Gene expression profiling: monitoring transcription and translation products using DNA microarrays and proteomics. FEBS Letters, 2000, 480, 2-16.	2.8	291
1003	Functional genomics by mass spectrometry. FEBS Letters, 2000, 480, 25-31.	2.8	107
1004	MASS SPECTROMETRIC ANALYSIS OF POLYMERS. , 2000, , 817-827.		4
1005	Recent trends in protein biochip technology. Pharmacogenomics, 2000, 1, 395-416.	1.3	157
1006	Sample Preparation Techniques for Peptides and Proteins Analyzed by MALDI-MS., 2000, 146, 405-424.		53
1007	Elucidation of Aluminumâ^'Fulvic Acid Interactions by Gas-Phase Hydrogen/Deuterium (H/D) Exchange and Electrospray Fourier Transform Ion Cyclotron Resonance Mass Spectrometry (ESI FT-ICR). Environmental Science & Environme	10.0	29
1008	Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2000, 72, 652-657.	6.5	391
1009	Direct cellular assays using off-line capillary electrophoresis with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analyst, The, 2000, 125, 555-562.	3.5	33
1010	Activated Ion Electron Capture Dissociation for Mass Spectral Sequencing of Larger (42 kDa) Proteins. Analytical Chemistry, 2000, 72, 4778-4784.	6.5	321
1011	Investigation of amine and polyol functionality in extracts of polyurethane wound management dressings using MALDI-MS. Analyst, The, 2000, 125, 111-114.	3.5	9

#	Article	IF	CITATIONS
1012	Analysis of a Tryptic Digest of Pig Hemoglobin Using ESI-FAIMS-MS. Analytical Chemistry, 2000, 72, 4577-4584.	6.5	114
1013	Photoinduced Hydrogen Atom Transfer in Salicylic Acid Derivatives Used as Matrix-Assisted Laser Desorption/Ionization (MALDI) Matrices. Journal of Physical Chemistry A, 2000, 104, 3884-3893.	2.5	37
1014	Identification of Peptide Oxidation by Tandem Mass Spectrometry. Accounts of Chemical Research, 2000, 33, 299-306.	15.6	87
1015	Effect of Experimental Parameters on the ESI FT-ICR Mass Spectrum of Fulvic Acid. Analytical Chemistry, 2000, 72, 384-390.	6.5	149
1016	Salicylate-Selective Electrodes Based on Al(III) and Sn(IV) Salophens. Analytical Chemistry, 2000, 72, 956-962.	6.5	101
1017	Charge Reduction Electrospray Mass Spectrometry. Analytical Chemistry, 2000, 72, 52-60.	6.5	136
1018	MALDI-TOF MS Analysis of Isoflavones in Soy Products. Journal of Agricultural and Food Chemistry, 2000, 48, 5887-5892.	5.2	49
1019	Synthesis and Characterization of Ring-Shaped Polystyrenes. Macromolecules, 2000, 33, 8218-8224.	4.8	84
1020	Surfactant-Aided, Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry of Hydrophobic and Hydrophilic Peptides. Analytical Chemistry, 2000, 72, 1169-1174.	6.5	61
1021	Separation of Isomeric Peptides Using Electrospray Ionization/High-Resolution Ion Mobility Spectrometry. Analytical Chemistry, 2000, 72, 391-395.	6.5	185
1022	Mass Spectrometric Analysis of Mercury Incorporation into Proteins for X-ray Diffraction Phase Determination. Analytical Chemistry, 2000, 72, 574-579.	6.5	23
1023	Proteolysis of the Exodomain of Recombinant Protease-Activated Receptors:  Prediction of Receptor Activation or Inactivation by MALDI Mass Spectrometry. Biochemistry, 2000, 39, 10812-10822.	2.5	93
1024	Thermodynamic Properties of Poly(ethylene glycol)/Water Systems. 2. Critical Point Data. Journal of Physical Chemistry B, 2000, 104, 4463-4470.	2.6	25
1025	Metal-Mediated Peptide Ion Conformations in the Gas Phase. Journal of Physical Chemistry B, 2000, 104, 4545-4551.	2.6	39
1026	Cationization Effect on the Molecular Weight Distribution of an Ethoxylated Polymer:Â A Combined Theoretical and Time-of-Flight Secondary Ion Mass Spectroscopic Study. Journal of Physical Chemistry A, 2000, 104, 2641-2647.	2.5	15
1027	Proteins in Vacuo. Denaturation of Highly Charged Disulfide-Reduced Lysozyme Studied by Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2000, 104, 2546-2558.	2.6	8
1028	GPC Separation of Polymer Samples for MALDI Analysis. Analytical Chemistry, 2000, 72, 4550-4554.	6.5	66
1029	Broad-Band Ion Accumulation with an Internal Source MALDI-FTICR-MS. Analytical Chemistry, 2000, 72, 5886-5891.	6.5	33

#	Article	IF	CITATIONS
1030	Ion Isolation in a Continuous Zero Angle Reflecting Time-of-Flight Mass Spectrometer. Analytical Chemistry, 2000, 72, 448-453.	6.5	5
1031	Selection of Anionic Dopant for Quantifying Desialylation Reactions with MALDI-FTMS. Analytical Chemistry, 2000, 72, 1419-1425.	6.5	37
1032	Heterogeneity within MALDI Samples As Revealed by Mass Spectrometric Imaging. Analytical Chemistry, 2000, 72, 30-36.	6.5	190
1033	Automated mass spectrometry: A revolutionary technology for clinical diagnostics. Molecular Diagnosis and Therapy, 2000, 5, 341-348.	1.1	8
1034	A fast and convenient MALDI-MS based proteomic approach: identification of components scaffolded by the actin cytoskeleton of activated human thrombocytes. Journal of Biotechnology, 2000, 78, 259-269.	3.8	44
1035	MALDI-TOF Mass Spectrometry of Insoluble Giant Polycyclic Aromatic Hydrocarbons by a New Method of Sample Preparation. Analytical Chemistry, 2000, 72, 4591-4597.	6.5	163
1036	Mass Spectrometry of Polymers and Polymer Surfaces. Chemical Reviews, 2001, 101, 527-570.	47.7	436
1037	Synthesis and Characterization of Resol Type Phenolic Resin/Layered Silicate Nanocomposites. Chemistry of Materials, 2001, 13, 4221-4226.	6.7	89
1038	Dyeing Crystals. Chemical Reviews, 2001, 101, 893-952.	47.7	279
1039	Formation and reactions of cluster ions from aromatic carboxylic acids together with amino acids. Israel Journal of Chemistry, 2001, 41, 79-90.	2.3	3
1040	Improved MALDI-MS Analysis of Oligonucleotides through the Use of Fucose as a Matrix Additive. Analytical Chemistry, 2001, 73, 5000-5003.	6.5	49
1041	Progress in monitoring, modeling and control of bioprocesses during the last 20 years. Journal of Biotechnology, 2001, 85, 149-173.	3.8	247
1042	Cholesterol biosynthesis regulation and protein changes in rat liver following treatment with fluvastatin. Toxicology Letters, 2001, 120, 369-377.	0.8	39
1043	MALDI-TOF-MS of Saturated Polyolefins by Coordination of Metal Cations: A Theoretical Study. Journal of Physical Chemistry A, 2001, 105, 8691-8695.	2.5	31
1044	High-Performance Liquid Chromatographyâ^'Electrospray Ionization Mass Spectrometry Using Monolithic Capillary Columns for Proteomic Studies. Analytical Chemistry, 2001, 73, 2390-2396.	6.5	206
1045	Matrix-Assisted Laser Desorption/Ionization Coupled with Quadrupole/Orthogonal Acceleration Time-of-Flight Mass Spectrometry for Protein Discovery, Identification, and Structural Analysis. Analytical Chemistry, 2001, 73, 1707-1720.	6.5	88
1047	Desorptionâ^lonization Mass Spectrometry Using Deposited Nanostructured Silicon Films. Analytical Chemistry, 2001, 73, 1292-1295.	6.5	92
1048	New DNA Sequencing Methods. Annual Review of Biomedical Engineering, 2001, 3, 195-223.	12.3	104

#	Article	IF	Citations
1049	Two-Layer Sample Preparation Method for MALDI Mass Spectrometric Analysis of Protein and Peptide Samples Containing Sodium Dodecyl Sulfate. Analytical Chemistry, 2001, 73, 2968-2975.	6.5	58
1050	Mass Spectrometry in Proteomics. Chemical Reviews, 2001, 101, 269-296.	47.7	1,146
1051	OsK2, a New Selective Inhibitor of Kv1.2 Potassium Channels Purified from the Venom of the Scorpion Orthochirus scrobiculosus. Biochemical and Biophysical Research Communications, 2001, 286, 841-847.	2.1	34
1052	The use of biosensors for microaffinity purification: an integrated approach to proteomics. Journal of Proteomics, 2001, 49, 289-312.	2.4	22
1053	Matrix-assisted laser desorption/ionization mass spectrometry using porous silicon and silica gel as matrix. Rapid Communications in Mass Spectrometry, 2001, 15, 217-223.	1.5	77
1054	Analysis of Polymerase Chain Reaction Products by On-Line Liquid Chromatographyâ^'Mass Spectrometry for Genotyping of Polymorphic Short Tandem Repeat Loci. Analytical Chemistry, 2001, 73, 5109-5115.	6.5	92
1055	NIST-Sponsored Interlaboratory Comparison of Polystyrene Molecular Mass Distribution Obtained by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry:Â Statistical Analysis. Analytical Chemistry, 2001, 73, 1252-1262.	6.5	59
1056	Microfluidic components for protein characterization. Reviews in Molecular Biotechnology, 2001, 82, 161-175.	2.8	4
1057	Proteomics. Molecular Diagnosis and Therapy, 2001, 1, 29-35.	3.3	8
1058	STRUCTURAL CHARACTERIZATION OF POLY(ϵ-CAPROLACTONE) AND POLY(ϵ-CAPROLACTONE-b-ISOBUTYLENE-b-ϵ-CAPROLACTONE) BLOCK COPOLYMERS BY MALDI-TOF MASS SPECTROMETRY. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 107-122.	2.2	22
1059	Phosphopeptide Derivatization Signatures To Identify Serine and Threonine Phosphorylated Peptides by Mass Spectrometry. Analytical Chemistry, 2001, 73, 5387-5394.	6.5	73
1060	Optimization of Sample Preparation for Peptide Sequencing by MALDI-TOF Photofragment Mass Spectrometry. Analytical Chemistry, 2001, 73, 5378-5386.	6.5	26
1061	Stability and Function of Interdomain Linker Variants of Glucoamylase 1 from Aspergillus niger. Biochemistry, 2001, 40, 9336-9346.	2.5	26
1062	Signal Amplification Using "Spot-on-a-Chip―Technology for the Identification of Proteins via MALDI-TOF MS. Analytical Chemistry, 2001, 73, 214-219.	6.5	105
1063	A CEâ^'MALDI Interface Based on the Use of Prestructured Sample Supports. Analytical Chemistry, 2001, 73, 1670-1675.	6.5	79
1064	Characterization of the Lysyl Adducts of Prostaglandin H-Synthases That Are Derived from Oxygenation of Arachidonic Acidâ€. Biochemistry, 2001, 40, 6948-6955.	2.5	35
1065	Assignment of Gas-Phase Dipeptide Amide Hydrogen Exchange Rate Constants by Site-Specific Substitution:  GlyGly. Journal of Physical Chemistry B, 2001, 105, 2244-2249.	2.6	21
1066	A General Strategy for Epitope Mapping by Direct MALDI-TOF Mass Spectrometry Using Secondary Antibodies and Cross-Linking. Analytical Chemistry, 2001, 73, 4012-4019.	6.5	40

#	ARTICLE	IF	CITATIONS
1067	Porous Silicon as a Versatile Platform for Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2001, 73, 612-619.	6.5	337
1068	Pulsed Electrospray for Mass Spectrometry. Analytical Chemistry, 2001, 73, 4748-4753.	6.5	25
1069	Analysis of Enzyme Kinetics Using Electrospray Ionization Mass Spectrometry and Multiple Reaction Monitoring:  Fucosyltransferase V. Biochemistry, 2001, 40, 3774-3779.	2.5	46
1071	Electrophoresis Separation in Open Microchannels. A Method for Coupling Electrophoresis with MALDI-MS. Analytical Chemistry, 2001, 73, 2147-2151.	6. 5	57
1072	Methods of Ion Generation. Chemical Reviews, 2001, 101, 361-376.	47.7	106
1073	Structural Characterization of Quinoxaline Homopolymers and Quinoxaline/Ether Sulfone Copolymers by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. Analytical Chemistry, 2001, 73, 1948-1958.	6.5	13
1075	Proteomics in Early Detection of Cancer. Clinical Chemistry, 2001, 47, 1901-1911.	3.2	231
1076	Mass Spectrometry Methods for Metabolic and Health Assessment. Journal of Nutrition, 2001, 131, 1615S-1620S.	2.9	8
1077	Distinguishing of Linkage Isomers of Lactotetra Oligosaccharides by Using the Relative Ion Intensity Analysis of Post-source Decay Fragment Ions in Curved-field Reflectron Matrix-assisted Laser Desorption/ionization Time-of-flight Mass Spectrometry Analytical Sciences, 2001, 17, 83-87.	1.6	27
1078	A Solid Sample Preparation Method That Reduces Signal Suppression Effects in the MALDI Analysis of Peptides. Analytical Chemistry, 2001, 73, 625-631.	6.5	49
1079	Mass spectrometric analysis of prion proteins. Advances in Protein Chemistry, 2001, 57, 29-54.	4.4	16
1080	Gas-phase separations of complex tryptic peptide mixtures. Fresenius' Journal of Analytical Chemistry, 2001, 369, 234-245.	1.5	39
1081	Teeth and bones: applications of surface science to dental materials and related biomaterials. Surface Science Reports, 2001, 42, 75-205.	7.2	350
1082	Preliminary application of liquid chromatography–electrospray-ionization mass spectrometry to the detection of 5-methyltetrahydrofolic acid monoglutamate in human plasma. Biomedical Applications, 2001, 765, 141-150.	1.7	27
1083	Zincâ€dependent conformational changes in domain D5 of high molecular mass kininogen modulate contact activation. FEBS Journal, 2001, 268, 396-404.	0.2	35
1084	Defined sequence segments of the small heat shock proteins HSP25 and αB-crystallin inhibit actin polymerization. FEBS Journal, 2001, 268, 2083-2090.	0.2	70
1085	Phosphorylation and oligomerization states of native pig brain HSP90 studied by mass spectrometry. FEBS Journal, 2001, 268, 2402-2407.	0.2	47
1086	Crystallization of a recombinant form of the complete sequence of human Î ³ -interferon: characterization by small-angle X-ray scattering, mass spectrometry and preliminary X-ray diffraction studies. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 900-905.	2.5	1

#	Article	IF	CITATIONS
1087	Synthesis of azacrown ethers modified with side-chains containing germanium. Journal of Organometallic Chemistry, 2001, 636, 108-123.	1.8	14
1088	A new external ionization multisample MALDI source for Fourier transform mass spectrometry. International Journal of Mass Spectrometry, 2001, 204, 23-29.	1.5	6
1089	Time-of-flight mass spectrometry (concepts, achievements, and prospects). International Journal of Mass Spectrometry, 2001, 206, 251-266.	1.5	167
1090	High-energy collisions of multiply charged lysozyme ions in gases. International Journal of Mass Spectrometry, 2001, 207, 31-39.	1.5	15
1091	Mechanisms of energy deposition in infrared matrix-assisted laser desorption/ionization mass spectrometry. International Journal of Mass Spectrometry, 2001, 207, 73-96.	1.5	86
1092	The exploitation of selective cleavage of singly protonated peptide ions adjacent to aspartic acid residues using a quadrupole orthogonal time-of-flight mass spectrometer equipped with a matrix-assisted laser desorption/ionization source. International Journal of Mass Spectrometry, 2001, 210-211. 665-676.	1.5	29
1093	Dissociative proton transfer in cluster ions: clusters of aromatic carboxylic acids with amino acids. International Journal of Mass Spectrometry, 2001, 210-211, 521-530.	1.5	18
1094	Gaseous apomyoglobin ion dissociation in a quadrupole ion trap: $[M + 2H] 2+ -[M + 21H] 21+ 1 1$ Prepared for submission to the International Journal of Mass Spectrometry in honor of Prof. R. Graham Cooks on the occasion of his 60th birthday. International Journal of Mass Spectrometry, 2001, 212, 359-376.	1.5	52
1095	Ion trap tandem mass spectrometry of intact GTP-binding protein \hat{I}^3 -subunits. International Journal of Mass Spectrometry, 2001, 212, 377-388.	1.5	15
1096	Transformations in pharmaceutical research and development, driven by innovations in multidimensional mass spectrometry-based technologies. International Journal of Mass Spectrometry, 2001, 212, 135-196.	1.5	45
1097	Protein identification by in-gel digestion, high-performance liquid chromatography, and mass spectrometry: Peptide analysis by complementary ionization techniques. Journal of the American Society for Mass Spectrometry, 2001, 12, 215-221.	2.8	43
1098	Metastable ion formation and disparate charge separation in the gas-phase dissection of protein assemblies studied by orthogonal time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2001, 12, 329-336.	2.8	61
1099	Protein fluorescence measurements within electrospray droplets. Journal of the American Society for Mass Spectrometry, 2001, 12, 716-725.	2.8	40
1100	Protein structure information from mass spectrometry? Selective titration of arginine residues by sulfonates. Journal of the American Society for Mass Spectrometry, 2001, 12, 810-818.	2.8	56
1101	Residue mass plot and abundance plot: Detection of isobaric interferences in DE-MALDI-TOF-Mass Spectra of complex polymer mixtures. Journal of the American Society for Mass Spectrometry, 2001, 12, 911-925.	2.8	10
1102	Proteome analysis of bacterial pathogens. Microbes and Infection, 2001, 3, 831-840.	1.9	73
1103	Optimisation of the quantitative determination of chlormequat by matrix-assisted laser desorption/ionisation mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 241-248.	1.5	41
1104	An experimental comparison of electrospray ion-trap and matrix-assisted laser desorption/ionization post-source decay mass spectra for the characterization of small drug molecules. Rapid Communications in Mass Spectrometry, 2001, 15, 608-614.	1.5	31

#	Article	IF	CITATIONS
1105	Copper(I) chloride: a simple salt for enhancement of polystyrene cationization in matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 675-678.	1.5	15
1106	Analysis of bipyridyl-containing conjugated polymers by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1239-1243.	1.5	9
1107	New aspects in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: a universal solvent-free sample preparation. Rapid Communications in Mass Spectrometry, 2001, 15, 1364-1373.	1.5	171
1108	Application of DNA-binding polymers for preparation of DNA for analysis by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1427-1432.	1.5	29
1109	Gas-phase conformers of the [M?+?2H]2+ ion of bradykinin investigated by combining high-field asymmetric waveform ion mobility spectrometry, hydrogen/deuterium exchange, and energy-loss measurements. Rapid Communications in Mass Spectrometry, 2001, 15, 1453-1456.	1.5	50
1110	5-Ethyl-2-mercaptothiazole as matrix for matrix-assisted laser desorption/ionization of a broad spectrum of analytes in positive and negative ion mode. Rapid Communications in Mass Spectrometry, 2001, 15, 1879-1884.	1.5	20
1111	Screening for disulfide-rich peptides in biological sources by carboxyamidomethylation in combination with differential matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1586-1592.	1.5	16
1112	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
1113	Characterization of tetrathiofulvalene compounds using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1885-1889.	1.5	12
1114	Evaluation of pyridoindoles, pyridylindoles and pyridylpyridoindoles as matrices for ultraviolet matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 2354-2373.	1.5	44
1115	Negative and positive ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and positive ion nano-electrospray ionization quadrupole ion trap mass spectrometry of peptidoglycan fragments isolated from variousBacillusspecies. Journal of Mass Spectrometry, 2001, 36, 124-139.	1.6	24
1116	Intensity dependence of cation kinetic energies from 2,5-dihydroxybenzoic acid near the infrared matrix-assisted laser desorption/ionization threshold. Journal of Mass Spectrometry, 2001, 36, 538-545.	1.6	20
1117	Investigation of tyrosine nitration in proteins by mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 616-625.	1.6	141
1118	Perspectives on the use of electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry for short tandem repeat genotyping in the post-genome era. Journal of Mass Spectrometry, 2001, 36, 589-606.	1.6	39
1119	Determination of molecular mass distribution of silicone oils by supercritical fluid chromatography, matrix-assisted laser desorption ionization time-of-flight mass spectrometry and their off-line combination. Journal of Mass Spectrometry, 2001, 36, 760-770.	1.6	17
1120	An introduction to quadrupole–timeâ€ofâ€flight mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 849-865.	1.6	609
1121	Fragmentation study of rutin, a naturally occurring flavone glycoside cationized with different alkali metal ions, using post-source decay matrix-assisted laser desorption/ionization mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 1312-1316.	1.6	22
1122	Mass spectrometry and combinatorial chemistry: a short outline. Journal of Mass Spectrometry, 2001, 36, 1249-1259.	1.6	52

#	Article	IF	CITATIONS
1123	Monitoring of immune response by blood serum profiling using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 15-20.	1.6	10
1124	Electrospray ionization mass spectrometry of oligonucleotide complexes with drugs, metals, and proteins. Mass Spectrometry Reviews, 2001, 20, 61-87.	5.4	225
1125	MALDI-TOF MS for quantification of substrates and products in cultivations of Corynebacterium glutamicum. Biotechnology and Bioengineering, 2001, 72, 642-647.	3.3	59
1126	Detection and Quantification of \hat{l}^2 -2-Microglobulin Using Mass Spectrometric Immunoassay. Analytical Biochemistry, 2001, 289, 26-35.	2.4	73
1127	Mass-Spectrometry-Linked Screening of Protein Fractions for Enzymatic Activitiesâ€"A Tool for Functional Genomics. Analytical Biochemistry, 2001, 290, 324-329.	2.4	23
1128	Identification and Location of a Cysteinyl Posttranslational Modification in an Amyloidogenic [©] 1 Light Chain Protein by Electrospray Ionization and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Biochemistry, 2001, 295, 45-56.	2.4	50
1129	Protein identification based on matrix assisted laser desorption/ionization-post source decay-mass spectrometry. Electrophoresis, 2001, 22, 1645-1651.	2.4	67
1130	Detection and identification of human bronchoalveolar lavage proteins using narrow-range immobilized pH gradient DryStrip and the paper bridge sample application method. Electrophoresis, 2001, 22, 1851-1860.	2.4	45
1131	Disposable polymeric high-density nanovial arrays for matrix assisted laser desorption/ionization-time of flight-mass spectrometry: I. Microstructure development and manufacturing. Electrophoresis, 2001, 22, 3978-3983.	2.4	29
1132	Delineation ofin vivo assembled multiprotein complexesvia biomolecular interaction analysis mass spectrometry. Proteomics, 2001, 1, 1441-1446.	2.2	28
1133	Desorption–ionization on silicon mass spectrometry: an application in forensics. Analytica Chimica Acta, 2001, 442, 183-190.	5.4	87
1134	CsCl as an auxiliary reagent for the analysis of phosphatidylcholine mixtures by matrix-assisted laser desorption and ionization time-of-flight mass spectrometry (MALDI-TOF MS). Chemistry and Physics of Lipids, 2001, 113, 123-131.	3.2	63
1135	lonic Liquids as Matrixes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2001, 73, 3679-3686.	6.5	453
1136	Analysis of Proteins and Proteomes by Mass Spectrometry. Annual Review of Biochemistry, 2001, 70, 437-473.	11.1	1,044
1137	Mass spectrometry for protein and peptide characterisation. Cellular and Molecular Life Sciences, 2001, 58, 868-884.	5.4	64
1138	Title is missing!. Cellulose, 2001, 8, 81-89.	4.9	4
1139	Mass spectrometry innovations in drug discovery and development., 2001, 18, 131-145.		92
1140	Synthesis and Properties of New Thiacalixarene Derivatives with Palladium Ion. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 40, 89-93.	1.6	10

#	Article	IF	CITATIONS
1141	Efficient 13C/15N double labeling of the avirulence protein AVR4 in a methanol-utilizing strain (Mut+) of Pichia pastoris. Journal of Biomolecular NMR, 2001, 20, 251-261.	2.8	34
1142	Characterization of Protein Biomarkers Desorbed by MALDI from Whole Fungal Cells. Analytical Chemistry, 2001, 73, 5228-5231.	6.5	121
1143	Mass spectrometric analysis of a UV-cross-linked protein-DNA complex: Tryptophans 54 and 88 of E. coliSSB cross-link to DNA. Protein Science, 2001, 10, 1989-2001.	7.6	43
1144	Purification and characterization of protein methylase II fromHelicobacter pylori. FEMS Microbiology Letters, 2001, 195, 53-58.	1.8	0
1145	Analysis of human urine protein biomarkers via biomolecular interaction analysis mass spectrometry. American Journal of Kidney Diseases, 2001, 38, 481-487.	1.9	59
1146	Linking proteome and genome: how to identify parasite proteins. Trends in Parasitology, 2001, 17, 198-202.	3.3	69
1147	Desorption/ionization on silicon (DIOS): A diverse mass spectrometry platform for protein characterization. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4932-4937.	7.1	192
1148	Solving the MALDI-TOF-MS Automation Puzzle. Journal of the Association for Laboratory Automation, 2001, 6, 55-56.	2.8	1
1149	Functional Assignment of the 20 S Proteasome from Trypanosoma brucei Using Mass Spectrometry and New Bioinformatics Approaches. Journal of Biological Chemistry, 2001, 276, 28327-28339.	3.4	64
1150	Electrospray and tandem mass spectrometry in biochemistry. Biochemical Journal, 2001, 355, 545-561.	3.7	163
1151	Advances in Proteome Analysis by Mass Spectrometry. Journal of Biological Chemistry, 2001, 276, 45497-45500.	3.4	135
1152	Predominant Identification of RNA-binding Proteins in Fas-induced Apoptosis by Proteome Analysis. Journal of Biological Chemistry, 2001, 276, 26044-26050.	3.4	114
1153	Potent Cytolytic Response by a CD8+ CTL Clone to Multiple Peptides from the Same Protein in Association with an Allogeneic Class I MHC Molecule. Journal of Immunology, 2001, 166, 3028-3034.	0.8	13
1155	Automated Genotyping Using the DNA MassArrayâ,,¢ Technology. , 2001, 170, 103-116.		55
1156	MALDI Mass Spectrometry as a Tool for Characterizing Glycosaminoglycan Oligosaccharides and their Interaction with Proteins. Seminars in Thrombosis and Hemostasis, 2001, 27, 465-472.	2.7	19
1158	Multiple-ion-beam time-of-flight mass spectrometer. Review of Scientific Instruments, 2001, 72, 3386-3389.	1.3	9
1159	The effect of the matrix on film properties in matrix-assisted pulsed laser evaporation. Journal of Applied Physics, 2002, 91, 2055-2058.	2.5	97
1160	Proteomics and Mass Spectrometry., 2001, , 93-145.		3

#	Article	IF	CITATIONS
1161	Advances in Proteomic Technologies. Annual Review of Biomedical Engineering, 2002, 4, 349-373.	12.3	103
1162	Facile method for automated genotyping of single nucleotide polymorphisms by mass spectrometry. Nucleic Acids Research, 2002, 30, 22e-22.	14.5	44
1163	Molecular haplotyping at high throughput. Nucleic Acids Research, 2002, 30, 96e-96.	14.5	46
1164	Cofactor-dependent Assembly of the Flavoenzyme Vanillyl-alcohol Oxidase. Journal of Biological Chemistry, 2002, 277, 36425-36432.	3.4	31
1165	A review of DNA sequencing techniques. Quarterly Reviews of Biophysics, 2002, 35, 169-200.	5.7	188
1166	MALDI-TOF Mass Spectrometry-Based SNP Genotyping. , 2003, 212, 241-262.		124
1167	Chemogenomics: Bridging a Drug Discovery Gap. Current Medicinal Chemistry, 2002, 9, 2077-2084.	2.4	41
1168	A novel recessive hyperekplexia allele GLRA1 (S231R): genotyping by MALDI-TOF mass spectrometry and functional characterisation as a determinant of cellular glycine receptor trafficking. European Journal of Human Genetics, 2002, 10, 188-196.	2.8	44
1169	Screening for Disulfide Bonds in Proteins by MALDI In-Source Decay and LIFT-TOF/TOF-MS. Analytical Chemistry, 2002, 74, 4980-4988.	6.5	109
1170	Identification of a novel transthyretin Thr59Lys/Arg104His. A case of compound heterozygosity in a Chinese patient diagnosed with familial transthyretin amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis. 2002. 9, 134-140.	3.0	18
1171	Full Subunit Coverage Liquid Chromatography Electrospray Ionization Mass Spectrometry (LCMS+) of an Oligomeric Membrane Protein. Molecular and Cellular Proteomics, 2002, 1, 816-827.	3.8	152
1173	Proteomics and the Kidney. Journal of the American Society of Nephrology: JASN, 2002, 13, 1398-1408.	6.1	103
1174	Mapping Cu(II) Binding Sites in Prion Proteins by Diethyl Pyrocarbonate Modification and Matrix-assisted Laser Desorption Ionization-Time of Flight (MALDI-TOF) Mass Spectrometric Footprinting. Journal of Biological Chemistry, 2002, 277, 1981-1990.	3.4	139
1175	Epididymal Lipocalin-Type Prostaglandin D2 Synthase: Identification Using Mass Spectrometry, Messenger RNA Localization, and Immunodetection in Mouse, Rat, Hamster, and Monkey1. Biology of Reproduction, 2002, 66, 524-533.	2.7	18
1176	Validation of DNA Sequences Using Mass Spectrometry Coupled with Nucleoside Mass Tagging. Genome Research, 2002, 12, 1135-1141.	5 . 5	11
1177	Biochemie und Molekulargenetik 2001. Nachrichten Aus Der Chemie, 2002, 50, 312-326.	0.0	0
1178	Advances in bacterial proteome analysis. Methods in Microbiology, 2002, , 187-207.	0.8	0
1179	Matrix-Assisted Laser Desorption/Ionization and Fourier Transform Ion Cyclotron Resonance Mass Spectrometry of Metalloporphyrazines and Metallophthalocyanines. European Journal of Mass Spectrometry, 2002, 8, 35-39.	1.0	4

#	Article	IF	Citations
1180	Polymer Track Membranes for Extraction of Ions from Aqueous Solutions at Atmospheric Pressure. European Journal of Mass Spectrometry, 2002, 8, 79-84.	1.0	4
1181	Infrared Matrix-Assisted Laser Desorption/Ionization Quadrupole Ion Trap Mass Spectrometry. European Journal of Mass Spectrometry, 2002, 8, 263-271.	1.0	7
1182	Post-Source Decay Analysis of Dolastatin 10 and Dolastatin 15 by Matrix-Assisted Laser Desorption/lonization Time-of-Flight Mass Spectrometry. European Journal of Mass Spectrometry, 2002, 8, 311-321.	1.0	2
1183	A Mass Spectrometry Investigation of the Conformational Changes in Adrenocorticotropic Hormones. European Journal of Mass Spectrometry, 2002, 8, 381-387.	1.0	11
1184	Identification of yeast proteins by mass spectrometry. Methods in Enzymology, 2002, 351, 296-321.	1.0	3
1185	High-Throughput and Industrial Methods for mRNA Expression Analysis. , 0, , 409-622.		1
1186	Protein Expression Analysis., 0,, 623-702.		0
1187	Structural Characterization of Intact G Protein \hat{I}^3 Subunits by Mass Spectrometry. Methods in Enzymology, 2002, 344, 586-597.	1.0	2
1188	Biomolecular mass spectrometry related to drug research. Pharmacochemistry Library, 2002, , 81-94.	0.1	1
1189	Chemistry Nobel Laureates Helped Develop Tools to Study Large Biological Molecules. Physics Today, 2002, 55, 19-22.	0.3	5
1190	ESI-MS/MS for the Differentiation of Diastereomeric Pyrimidine Glycols in Mononucleosides. Analytical Chemistry, 2002, 74, 4505-4512.	6.5	11
1191	Laser Desorption-Atmospheric Pressure Chemical Ionization Mass Spectrometry for the Analysis of Peptides from Aqueous Solutions. Analytical Chemistry, 2002, 74, 5600-5605.	6.5	48
1192	Oligonucleotide Mixture Analysis via Electrospray and Ion/Ion Reactions in a Quadrupole Ion Trap. Analytical Chemistry, 2002, 74, 976-984.	6.5	57
1193	Sample Depletion of the Matrix-Assisted Laser Desorption Process Monitored Using Radionuclide Detection. Analytical Chemistry, 2002, 74, 6200-6204.	6. 5	23
1194	Partial Reduction and Two-Step Modification of Proteins for Identification of Disulfide Bonds. Analytical Chemistry, 2002, 74, 2386-2393.	6.5	20
1195	Collision-Induced Dissociation Studies of Poly(vinylidene) Fluoride Telomers in an Electrospray-Ion Trap Mass Spectrometer. Analytical Chemistry, 2002, 74, 3213-3220.	6.5	13
1196	Spectroscopic Method for the Determination of the Ionic Site Concentration in Solvent Polymeric Membranes and Membrane Plasticizers. Analytical Chemistry, 2002, 74, 4060-4068.	6.5	44
1197	End-Group Analysis of Blue Light-Emitting Polymers Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2002, 74, 6252-6258.	6.5	29

#	Article	IF	Citations
1198	Rapid Analysis of Tryptically Digested Cerebrospinal Fluid Using Capillary Electrophoresisâ''Electrospray Ionizationâ'Fourier Transform Ion Cyclotron Resonanceâ'Mass Spectrometry. Journal of Proteome Research, 2002, 1, 361-366.	3.7	64
1199	Theoretical Calculation of Gas-Phase Sodium Binding Energies of Common MALDI Matrices. Journal of Physical Chemistry A, 2002, 106, 6610-6617.	2.5	35
1200	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
1201	Single-Neuron Analysis Using CE Combined with MALDI MS and Radionuclide Detection. Analytical Chemistry, 2002, 74, 497-503.	6.5	79
1202	Coupling Ion Mobility Separations, Collisional Activation Techniques, and Multiple Stages of MS for Analysis of Complex Peptide Mixtures. Analytical Chemistry, 2002, 74, 992-1006.	6.5	64
1203	Ion Parking during Ion/Ion Reactions in Electrodynamic Ion Traps. Analytical Chemistry, 2002, 74, 336-346.	6.5	109
1204	Oligonucleotides Incorporating 7-(Aminoalkynyl)-7-deaza-2â€~-deoxyguanosines:  Duplex Stability and Phosphodiester Hydrolysis by Exonucleases. Bioconjugate Chemistry, 2002, 13, 1274-1285.	3.6	21
1205	Chromium(III) Porphyrin as a Selective Ionophore in a Salicylate-Selective Membrane Electrode. Analytical Chemistry, 2002, 74, 3312-3320.	6.5	60
1206	Dissociation of Multiple Protein Ion Charge States Following a Single Gas-Phase Purification and Concentration Procedure. Analytical Chemistry, 2002, 74, 4653-4661.	6.5	28
1207	Characterizing Ionic Liquids On the Basis of Multiple Solvation Interactions. Journal of the American Chemical Society, 2002, 124, 14247-14254.	13.7	1,036
1208	Automated Genotyping Using the DNA MassArrayâ,,¢ Technology. , 2002, 187, 179-192.		171
1209	Thin-Layer Chromatography–Postsource-Decay Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Small Drug Molecules. Journal of Chromatographic Science, 2002, 40, 614-620.	1.4	29
1210	MALDI-TOF mass spectrometry-based SNP genotyping. Pharmacogenomics, 2002, 3, 537-548.	1.3	93
1211	Bioaccumulation and Detoxication of Nodularin in Tissues of Flounder (Platichthys flesus), Mussels (Mytilus edulis, Dreissena polymorpha), and Clams (Macoma balthica) from the Northern Baltic Sea. Ecotoxicology and Environmental Safety, 2002, 53, 305-311.	6.0	79
1213	Prediction of Peptide Ion Collision Cross Sections from Topological Molecular Structure and Amino Acid Parameters. Analytical Chemistry, 2002, 74, 1360-1370.	6.5	40
1214	Gas Phase Polyalanine:  Assessment of i → i + 3 and i → i + 4 Helical Turns in [Alan + 4H]4+ (n = 29â^'49) Ior Journal of Physical Chemistry B, 2002, 106, 12045-12051.	^{1.} 2.6	21
1215	Rapid Mix-Quench MALDI-TOF Mass Spectrometry for Analysis of Enzymatic Systems. Methods in Enzymology, 2002, 354, 27-49.	1.0	7
1216	Tandem time-of-flight mass spectrometer (TOF-TOF) with a quadratic-field ion mirror. Review of Scientific Instruments, 2002, 73, 2115-2123.	1.3	30

#	Article	IF	CITATIONS
1217	A Method for the Analysis of Low-Mass Molecules by MALDI-TOF Mass Spectrometry. Analytical Chemistry, 2002, 74, 1637-1641.	6.5	182
1218	Characterisation of nanoscopic [Mn12O12(O2CR)16(H2O)4] single-molecule magnets: physicochemical properties and LDI- and MALDI-TOF mass spectrometryLDI- and MALDI-TOF are acronyms for Laser Desorption/Ionisation and Matrix Assisted Laser Desorption/Ionisation Time-of-Flight Journal of Materials Chemistry, 2002, 12, 1152-1161.	6.7	44
1219	Quadrupole Time-of-Flight Mass Spectrometry of the Native Hemocyanin of the Deep-Sea CrabBythograeathermydron. Biomacromolecules, 2002, 3, 229-231.	5 . 4	23
1222	Characterization of Transthyretin Variants in Familial Transthyretin Amyloidosis by Mass Spectrometric Peptide Mapping and DNA Sequence Analysis. Analytical Chemistry, 2002, 74, 741-751.	6.5	57
1223	Metabolic Flux Analysis Using Mass Spectrometry. Advances in Biochemical Engineering/Biotechnology, 2002, 74, 39-64.	1.1	55
1224	Grafting of bisphenol-A polycarbonate and polymethyl methacrylate on to the surface of carbon fibers via anionic polymerization. Composite Interfaces, 2002, 9, 1-23.	2.3	11
1225	MATRIX-ASSISTED LASER DESORPTION MASS SPECTROMETRY. Applied Spectroscopy Reviews, 2002, 37, 275-303.	6.7	51
1226	Molecular Biologist's Guide to Proteomics. Microbiology and Molecular Biology Reviews, 2002, 66, 39-63.	6.6	495
1228	Analysis of Glycans of Recombinant Glycoproteins. , 2002, , 1-60.		2
1229	Assessment of the effect of hemoglobin variants on routine HbA1c measurements by electrospray ionization mass spectrometry. Clinica Chimica Acta, 2002, 323, 89-101.	1.1	25
1230	Interactions between Bacterial Flagellar Axial Proteins in Their Monomeric State in Solution. Journal of Molecular Biology, 2002, 318, 889-900.	4.2	26
1231	Matrix-assisted laser desorption/ionization (MALDI) mass spectrometry of polymers. Current Opinion in Solid State and Materials Science, 2002, 6, 213-220.	11.5	61
1232	Selected problems of laser ablation theory. Physics-Uspekhi, 2002, 45, 293-324.	2.2	254
1233	Primer on Medical Genomics Part IV: Expression Proteomics. Mayo Clinic Proceedings, 2002, 77, 1185-1196.	3.0	25
1234	Nor-Harmane (9H-Pyrido[3,4-b]indole) as Outstanding Matrix for UV-Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Analysis of Synthetic and Bio-Polymers Seibutsu Kankyo Chosetsu [Environment Control in Biology, 2002, 40, 55-73.	0.2	11
1235	A Strategy for the Rapid Discovery of Disease Markers Using the MassARRAY ^{â,,¢} System. BioTechniques, 2002, 32, S62-S69.	1.8	44
1236	Technological Developments. , 2002, , 9-26.		0
1237	Detection of Trinucleotide Repeat Containing Genes by Matrix-Assisted Laser Desorption/Ionization (MALDI) Mass Spectrometry. , 2003, 217, 91-100.		2

#	Article	IF	CITATIONS
1238	Peptide and protein analysis with mass spectrometry. Spectroscopy, 2002, 16, 15-28.	0.8	50
1240	Metal trace analysis by PIXE and PDMS techniques. Nuclear Instruments & Methods in Physics Research B, 2002, 187, 401-407.	1.4	7
1241	Cluster impacts on solids. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 227-239.	1.4	23
1242	Applications of biomolecular interaction analysis in drug development. Targets, 2002, 1, 66-73.	0.3	26
1244	Separation and first structure elucidation of Cremophor® EL-components by hyphenated capillary electrophoresis and delayed extraction-matrix assisted laser desorption/ionization-time of flight-mass spectrometry. Electrophoresis, 2002, 23, 1053-1062.	2.4	17
1245	Direct profiling and imaging of peptides and proteins from mammalian cells and tissue sections by mass spectrometry. Electrophoresis, 2002, 23, 3125-3135.	2.4	206
1246	RADARS, a bioinformatics solution that automates proteome mass spectral analysis, optimises protein identification, and archives data in a relational database. Proteomics, 2002, 2, 36-47.	2.2	208
1247	Separation of human erythrocyte membrane associated proteins with one-dimensional and two-dimensional gel electrophoresis followed by identification with matrix-assisted laser desorption/ionization-time of flight mass spectrometry. Proteomics, 2002, 2, 1229-1239.	2.2	123
1248	Molecular scanner experiment with human plasma: Improving protein identification by using intensity distributions of matching peptide masses. Proteomics, 2002, 2, 1413-1425.	2.2	16
1249	Analysis of protein-nucleic acid interactions by photochemical cross-linking and mass spectrometry. Mass Spectrometry Reviews, 2002, 21, 163-182.	5.4	67
1250	Protein disulfide bond determination by mass spectrometry. Mass Spectrometry Reviews, 2002, 21, 183-216.	5.4	247
1251	Genotyping single nucleotide polymorphisms by mass spectrometry. Mass Spectrometry Reviews, 2002, 21, 388-418.	5.4	119
1252	Improved in-gel approaches to generate peptide maps of integral membrane proteins with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Mass Spectrometry, 2002, 37, 322-330.	1.6	80
1253	Fragmentation characteristics of peptide-metal ion adducts under matrix-assisted laser desorption/ionization post-source decay time-of-flight mass spectrometric conditions. Journal of Mass Spectrometry, 2002, 37, 389-394.	1.6	5
1254	Protein identification with Teflon as matrix-assisted laser desorption/ionization sample support. Journal of Mass Spectrometry, 2002, 37, 512-524.	1.6	53
1255	?Top down? protein characterization via tandem mass spectrometry. Journal of Mass Spectrometry, 2002, 37, 663-675.	1.6	273
1256	Effects of different alkali metal ions on the cationization of poly(ethylene glycol)s in matrix-assisted laser desorption/ionization mass spectrometry: a new selectivity parameter. Journal of Mass Spectrometry, 2002, 37, 1074-1080.	1.6	24
1257	Mass Spectrometry of Nicotinic Acetylcholine Receptors and Associated Proteins as Models for Complex Transmembrane Proteins. Analytical Biochemistry, 2002, 301, 175-188.	2.4	5

#	Article	IF	CITATIONS
1258	Intact Protein Analysis for Site-Directed Mutagenesis Overexpression Products: Plasmid-Encoded R67 Dihydrofolate Reductase. Analytical Biochemistry, 2002, 305, 68-81.	2.4	16
1259	Proteomics without polyacrylamide: qualitative and quantitative uses of tandem mass spectrometry in proteome analysis. Functional and Integrative Genomics, 2002, 2, 138-153.	3.5	38
1260	Synthesis and biological evaluation of thioglycosylated porphyrins for an application in photodynamic therapy. Bioorganic and Medicinal Chemistry, 2002, 10, 57-69.	3.0	68
1261	Large-scale genotyping by mass spectrometry: experience, advances and obstacles. Current Opinion in Chemical Biology, 2002, 6, 31-38.	6.1	40
1262	Imaging mass spectrometry: a new tool to investigate the spatial organization of peptides and proteins in mammalian tissue sections. Current Opinion in Chemical Biology, 2002, 6, 676-681.	6.1	239
1263	Drift time mass spectrometric protein hydration experiments. International Journal of Mass Spectrometry, 2002, 213, 9-24.	1.5	10
1264	Mass spectrometric noncovalent probing of amino acids in peptides and proteins. International Journal of Mass Spectrometry, 2002, 219, 269-281.	1.5	35
1265	Charge state dependent fragmentation of gaseous protein ions in a quadrupole ion trap: bovine ferri, ferro-, and apo-cytochrome c. International Journal of Mass Spectrometry, 2002, 219, 171-187.	1.5	51
1266	B3LYP DFT molecular orbital approach, an efficient method to evaluate the thermochemical properties of MALDI matrices. International Journal of Mass Spectrometry, 2002, 217, 231-244.	1.5	50
1267	Irradiation effects in MALDI and surface modifications. International Journal of Mass Spectrometry, 2002, 219, 515-523.	1.5	36
1268	MALDI- and ESI-MS of the HDL apolipoproteins; new isoforms of apoA-I, II. International Journal of Mass Spectrometry, 2002, 219, 671-680.	1.5	27
1269	lodine-assisted matrix-assisted laser desorption/ionisation. International Journal of Mass Spectrometry, 2002, 219, 697-701.	1.5	8
1270	Recent developments in atmospheric pressure MALDI mass spectrometry. International Journal of Mass Spectrometry, 2002, 221, 39-58.	1.5	96
1271	Probing mass discriminations and mass shifts in the ITMS mass spectra of externally generated MALDI ions with synthetic polymers. International Journal of Mass Spectrometry, 2002, 221, 191-207.	1.5	5
1272	Detection and identification of protein variants and adducts in blood and tissues: an application of soft ionization mass spectrometry to clinical diagnosis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 776, 15-30.	2.3	26
1273	Application of delayed extraction–matrix-assisted laser desorption ionization time-of-flight mass spectrometry for analysis of sphingolipids in pericardial fluid, peritoneal fluid and serum from Gaucher disease patients. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 776, 115-123.	2.3	28
1274	Development of high-throughput liquid chromatography injected ion mobility quadrupole time-of-flight techniques for analysis of complex peptide mixtures. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 782, 343-351.	2.3	29
1275	Genotyping single-nucleotide polymorphisms by matrix-assisted laser-desorption/ionization time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 782, 73-87.	2.3	56

#	Article	IF	CITATIONS
1276	Visualization and analysis of molecular scanner peptide mass spectra. Journal of the American Society for Mass Spectrometry, 2002, 13, 221-231.	2.8	31
1277	Desorption/ionization of biomolecules from aqueous solutions at atmospheric pressure using an infrared laser at 3 μm. Journal of the American Society for Mass Spectrometry, 2002, 13, 354-361.	2.8	105
1278	Temperature-dependent H/D exchange of compact and elongated cytochrome c ions in the gas phase. Journal of the American Society for Mass Spectrometry, 2002, 13, 506-517.	2.8	79
1279	Scanning microprobe matrix-assisted laser desorption ionization (SMALDI) mass spectrometry: Instrumentation for sub-micrometer resolved LDI and MALDI surface analysis. Journal of the American Society for Mass Spectrometry, 2002, 13, 735-748.	2.8	260
1280	The role of the laser pulse duration in infrared matrix-assisted laser desorption/ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2002, 13, 975-984.	2.8	53
1281	Additives for the stabilization of double-stranded DNA in UV-MALDI MS. Journal of the American Society for Mass Spectrometry, 2002, 13, 1129-1137.	2.8	27
1282	Fourier transform-ion cyclotron resonance mass spectrometric resolution, identification, and screening of non-covalent complexes of Hck Src homology 2 domain receptor and ligands from a 324-member peptide combinatorial library. Journal of the American Society for Mass Spectrometry, 2002, 13, 1162-1169.	2.8	56
1283	Four decades of structure determination by mass spectrometry: From alkaloids to heparin. Journal of the American Society for Mass Spectrometry, 2002, 13, 1254-1272.	2.8	39
1284	Fragmentation pathway studies of oligonucleotides in matrix-assisted laser desorption/ionization mass spectrometry by charge tagging and H/D exchange. Journal of the American Society for Mass Spectrometry, 2002, 13, 1407-1417.	2.8	10
1285	Characterization of the Glycolipid Associated with Alzheimer Paired Helical Filaments. Journal of Neurochemistry, 2002, 67, 723-733.	3.9	19
1286	Polyoxyethylene-Δ9,11-didehydrostearate and glycerol-polyoxyethylene-Δ9,11-didehydrostearate: two new components of the non-ionic emulsifier Cremophor® EL. Journal of Pharmaceutical and Biomedical Analysis, 2002, 30, 263-271.	2.8	8
1287	Applications of MALDI-TOF MS analysis in cyanotoxin research. Environmental Toxicology, 2002, 17, 367-374.	4.0	101
1288	Dimethyldioxirane as a new and effective oxidation agent for the epoxidation of α,ï%-di(isobutenyl)polyisobutylene: A convenient synthesis of α,ï%-di(2-methyl-3-hydroxypropyl)-polyisobutylene. Journal of Polymer Science Part A, 2002, 40, 3974-3986.	2.3	18
1289	Ready-made matrix-assisted laser desorption/ionization target plates coated with thin matrix layer for automated sample deposition in high-density array format. Rapid Communications in Mass Spectrometry, 2002, 16, 117-126.	1.5	50
1290	On-target fraction collection for the off-line coupling of capillary isoelectric focusing with matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 201-207.	1.5	31
1291	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
1292	Hydrogen/deuterium exchange for higher specificity of protein identification by peptide mass fingerprinting. Rapid Communications in Mass Spectrometry, 2002, 16, 616-626.	1.5	18
1293	Atmospheric pressure laser desorption/chemical ionization mass spectrometry: a new ionization method based on existing themes. Rapid Communications in Mass Spectrometry, 2002, 16, 681-685.	1.5	59

#	Article	IF	CITATIONS
1294	Post-source decay time-of-flight study of fragmentation mechanisms of protonated synthetic polymers under matrix-assisted laser desorption/ionization conditions. Rapid Communications in Mass Spectrometry, 2002, 16, 696-704.	1.5	27
1295	One-way hydrophobic surface foil for UV matrix-assisted laser desorption/ionization mass spectrometry of peptides. Rapid Communications in Mass Spectrometry, 2002, 16, 899-902.	1.5	18
1296	Poly(amide ester)s from 2,6-pyridinedicarboxylic acid and ethanolamine derivatives: identification of macrocycles by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1476-1484.	1.5	9
1297	Metal ion migration model for cationization of low-molecular-weight oligomers of poly(ethylene) Tj ETQq1 1 0.784 Communications in Mass Spectrometry, 2002, 16, 1531-1537.	314 rgBT 1.5	/Overlock 4
1298	Speciation of Fe(III)-chelate complexes by electrospray ionization ion trap and laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1556-1561.	1.5	23
1299	Atmospheric pressure laser desorption/ionization on porous silicon. Rapid Communications in Mass Spectrometry, 2002, 16, 1737-1742.	1.5	46
1300	Electron capture negative ion mass spectra of some typical matrix-assisted laser desorption/ionization matrices. Rapid Communications in Mass Spectrometry, 2002, 16, 1760-1765.	1.5	29
1301	Reactivity of the NS2/3(907-1206)ASK4protein with \hat{l}^2 -mercaptoethanol studied by electrospray ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1919-1927.	1.5	3
1302	Investigation of cytolysin variants by peptide mapping: enhanced protein characterization using complementary ionization and mass spectrometric techniques. Rapid Communications in Mass Spectrometry, 2002, 16, 2094-2101.	1.5	26
1303	Synthesis of a dendron and dendrimer consisting of MALDI matrix like branching units. Tetrahedron Letters, 2002, 43, 6723-6727.	1.4	7
1304	Effects of cloud-point grafting, chain length, and density of PEG layers on competitive adsorption of ocular proteins. Biomaterials, 2002, 23, 2043-2056.	11.4	515
1305	Thin-layer chromatography–matrix-assisted laser desorption ionisation–time-of-flight mass spectrometry using particle suspension matrices. Journal of Chromatography A, 2002, 958, 249-260.	3.7	68
1306	Characterization of poly(butylene terephthalate) by size-exclusion chromatography and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Chromatography A, 2002, 976, 145-154.	3.7	19
1307	Proteomic tools for biomedicine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 771, 33-48.	2.3	33
1308	Matrix-assisted laser desorption/ionization (MALDI) mass spectrometry: determining Mark–Houwink–Sakurada parameters and analyzing the breadth of polymer molecular weight distributions. Polymer, 2002, 43, 2329-2335.	3.8	31
1309	Enhanced protein recovery after electrotransfer using square wave alternating voltage. Analytical Biochemistry, 2002, 307, 297-303.	2.4	16
1310	lon-pair reversed-phase liquid chromatography–electrospray mass spectrometry for the analysis of underivatized small peptides. Journal of Chromatography A, 2002, 957, 173-185.	3.7	61
1311	Recent advances in the application of mass spectrometry in food-related analysis. Journal of Chromatography A, 2002, 970, 3-64.	3.7	178

#	Article	IF	CITATIONS
1312	Monitoring neurotensin[8–13] degradation in human and rat serum utilizing matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analytical Biochemistry, 2002, 308, 34-41.	2.4	24
1313	Application of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for monitoring the digestion of phosphatidylcholine by pancreatic phospholipase A2. Analytical Biochemistry, 2002, 308, 61-70.	2.4	50
1314	Microscopic Mechanisms of Matrix Assisted Laser Desorption of Analyte Molecules:Â Insights from Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2002, 106, 303-310.	2.6	42
1315	Comparative proteome analysis of human temporal cortex lobes by two-dimensional electrophoresis and identification of selected common proteins. Neurochemical Research, 2002, 27, 871-881.	3.3	10
1316	A proteomic approach based on peptide affinity chromatography, 2-dimensional electrophoresis and mass spectrometry to identify multiprotein complexes interacting with membrane-bound receptors. Biological Procedures Online, 2002, 4, 94-104.	2.9	36
1317	Characterization and analysis of posttranslational modifications of the human large cytoplasmic ribosomal subunit proteins by mass spectrometry and Edman sequencing. The Protein Journal, 2003, 22, 249-258.	1.1	68
1318	Characterization by Mass Spectroscopy of a 10 kDac-554 Cytochrome from the Green Sulfur BacteriumChlorobium tepidum. Photosynthesis Research, 2003, 78, 153-160.	2.9	5
1319	Laser synthesis of transition metal clusters. Transition Metal Chemistry, 2003, 28, 122-131.	1.4	18
1320	Structural Characterization of Proteins and Peptides. , 2004, 94, 269-298.		9
1321	HPLC and Mass Spectrometry of Intrinsic Membrane Proteins. , 2004, 251, 323-340.		27
1322	The Analysis of Oligosaccharides by Mass Spectrometry. ACS Symposium Series, 2003, , 32-42.	0.5	3
1323	Liquid- and Gas-Phase Nitration of Bovine Serum Albumin Studied by LCâ^'MS and LCâ^'MS/MS Using Monolithic Columns. Journal of Proteome Research, 2003, 2, 534-542.	3.7	37
1324	Using accurate mass electrospray ionization–time-of-flight mass spectrometry with in-source collision-induced dissociation to sequence peptide mixtures. Journal of Chromatography A, 2003, 1020, 11-26.	3.7	35
1325	Study on the interaction between different solute molecules in a molecular beam produced by the spray-jet technique: an application to dendrimer/dye system. Chemical Physics Letters, 2003, 379, 458-465.	2.6	16
1326	Automated coupling of capillary-HPLC to matrix-assisted laser desorption/ionization mass spectrometry for the analysis of small molecules utilizing a reactive matrix. Analytical and Bioanalytical Chemistry, 2003, 376, 773-779.	3.7	45
1327	Biomarker Discovery by Tissue Microdissectionand ProteinChipR Array Analysis. Identifizierung von Biomarkern uber Gewebemikrodissektionund ProteinChipR Array Analyse. Laboratoriums Medizin, 2003, 27, 79-84.	0.6	3
1328	Organelle proteomics: looking at less to see more. Trends in Cell Biology, 2003, 13, 629-638.	7.9	161
1329	Hydrogen/deuterium exchange kinetics of cytochromeC: An electrospray ionization fast flow experiment. Israel Journal of Chemistry, 2003, 43, 347-352.	2.3	5

#	Article	IF	CITATIONS
1330	Synthesis and Properties of Oligodeoxynucleotide Analogs with Bis(methylene) Sulfone Bridges. Helvetica Chimica Acta, 2003, 86, 2959-2997.	1.6	8
1331	Characterization of paraffin oils and petrolatum using LDI-TOF MS and principle component analysis. European Journal of Lipid Science and Technology, 2003, 105, 275-280.	1.5	15
1332	Fragmentation reactions of protonated peptides containing glutamine or glutamic acid. Journal of Mass Spectrometry, 2003, 38, 174-187.	1.6	57
1333	Evaluation of the quantitativeness of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry using an equimolar mixture of uniform poly(ethylene glycol) oligomers. Journal of Mass Spectrometry, 2003, 38, 948-954.	1.6	42
1334	Chemical cross-linking and mass spectrometry for mapping three-dimensional structures of proteins and protein complexes. Journal of Mass Spectrometry, 2003, 38, 1225-1237.	1.6	250
1335	Two-dimensional microfabricated sources for nanoelectrospray. Journal of Mass Spectrometry, 2003, 38, 1259-1264.	1.6	22
1336	Structural Characterization of Biocidal Oligoguanidines. Macromolecular Rapid Communications, 2003, 24, 567-570.	3.9	37
1337	Reactions of polypeptide ions with electrons in the gas phase. Mass Spectrometry Reviews, 2003, 22, 57-77.	5.4	407
1338	Development of new methodologies for the mass spectrometry study of bioorganic macromolecules. Mass Spectrometry Reviews, 2003, 22, 369-406.	5.4	71
1339	Non-specific, on-probe cleanup methods for MALDI-MS samples. Mass Spectrometry Reviews, 2003, 22, 429-440.	5.4	94
1342	MALDI-TOF-Massenspektrometrie: Risikoanalyse im Flug. Chemie in Unserer Zeit, 2003, 37, 380-387.	0.1	1
1343	The Origin of Macromolecule Ionization by Laser Irradiation (Nobel Lecture). Angewandte Chemie - International Edition, 2003, 42, 3860-3870.	13.8	156
1344	Electrospray Wings for Molecular Elephants (Nobel Lecture). Angewandte Chemie - International Edition, 2003, 42, 3871-3894.	13.8	541
1345	Coordination of thenido-carboranyldiphosphine ligand to ruthenium(II): the first example of the tricoordinating capacity of the 7,8-(PPh2)2-7,8-C2B9H10moiety. Applied Organometallic Chemistry, 2003, 17, 509-517.	3.5	17
1346	Matrix-assisted laser desorption/ionization mass spectrometry of synthetic polymers. VI. Analysis of phenol-urea-formaldehyde cocondensates. Journal of Applied Polymer Science, 2003, 90, 2540-2548.	2.6	16
1347	Protein and antibody microarray technology. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 797, 229-240.	2.3	136
1348	Characterisation of the substituent distribution in starch and cellulose derivatives. Analytica Chimica Acta, 2003, 497, 27-65.	5 . 4	159
1349	Laser ablation of ring-strained precursor molecules: selective product fragment generation. Chemical Physics Letters, 2003, 379, 60-66.	2.6	4

#	Article	IF	CITATIONS
1350	MALDI-TOF mass spectrometry: Obtaining reliable mass spectra for insoluble carbonaceous pitches. Carbon, 2003, 41, 2761-2768.	10.3	69
1351	Design, synthesis, and biological evaluation of non-peptidic ligands at the Xenopus laevis skin-melanocortin receptor. European Journal of Medicinal Chemistry, 2003, 38, 481-493.	5.5	9
1352	Computational estimates of the gas-phase acidities of dihydroxybenzoic acid radical cations and their corresponding neutral species. Computational and Theoretical Chemistry, 2003, 629, 223-235.	1.5	30
1353	Matrix-assisted laser desorption/ionization mass spectrometric study of bis(imidazole-1-carboxylate) endfunctionalized polymers. Journal of the American Society for Mass Spectrometry, 2003, 14, 117-123.	2.8	10
1354	An antibiotic linked to peptides and proteins is released by electron capture dissociation fourier transform ion cyclotron resonance mass spectrometry. Journal of the American Society for Mass Spectrometry, 2003, 14, 302-310.	2.8	18
1355	Identification of 2D-gel proteins: A comparison of MALDI/TOF peptide mass mapping to $\hat{1}\frac{1}{4}$ LC-ESI tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2003, 14, 957-970.	2.8	117
1356	Mass spectrometric characterization of transferrins and their fragments derived by reduction of disulfide bonds. Journal of the American Society for Mass Spectrometry, 2003, 14, 635-647.	2.8	35
1357	Studies of ligand-induced site-specific phosphorylation of epidermal growth factor receptor. Journal of the American Society for Mass Spectrometry, 2003, 14, 1022-1031.	2.8	60
1358	Protein identification: The origins of peptide mass fingerprinting. Journal of the American Society for Mass Spectrometry, 2003, 14, 931-942.	2.8	217
1359	Combination of two matrices results in improved performance of MALDI MS for peptide mass mapping and protein analysis. Journal of the American Society for Mass Spectrometry, 2003, 14, 992-1002.	2.8	124
1360	A mass spectrometric journey into protein and proteome research. Journal of the American Society for Mass Spectrometry, 2003, 14, 685-695.	2.8	105
1361	Iterative data analysis is the key for exhaustive analysis of peptide mass fingerprints from proteins separated by two-dimensional electrophoresis. Journal of the American Society for Mass Spectrometry, 2003, 14, 943-956.	2.8	7 3
1362	Irradiation effects in MALDI, ablation, ion production, and surface modifications. Part II: 2,5-dihydroxybenzoic acid monocrystals. Journal of the American Society for Mass Spectrometry, 2003, 14, 893-899.	2.8	52
1363	Matrix-assisted laser desorption/ionization—boundary-activated dissociation of peptide ions in a quadrupole ion trap. International Journal of Mass Spectrometry, 2003, 222, 75-83.	1.5	3
1364	Molecular dynamics simulations of matrix-assisted laser desorptionâ€"connections to experiment. International Journal of Mass Spectrometry, 2003, 226, 85-106.	1.5	68
1365	Thermodynamic control of final ion distributions in MALDI: in-plume proton transfer reactions. International Journal of Mass Spectrometry, 2003, 226, 211-222.	1.5	62
1366	Matrix-assisted laser desorption/ionization mass spectrometry of carbohydrates and glycoconjugates. International Journal of Mass Spectrometry, 2003, 226, 1-35.	1.5	163
1367	Tandem MALDI/EI ionization for tandem Fourier transform ion cyclotron resonance mass spectrometry of polypeptides. International Journal of Mass Spectrometry, 2003, 226, 181-187.	1.5	33

#	Article	IF	CITATIONS
1368	MALDI of synthetic polymersâ€"an update. International Journal of Mass Spectrometry, 2003, 226, 151-162.	1.5	77
1369	Atmospheric pressure matrix-assisted laser desorption/ionization (AP MALDI) on a quadrupole ion trap mass spectrometer. International Journal of Mass Spectrometry, 2003, 226, 133-150.	1.5	61
1370	Desorption/ionization on silicon (DIOS) mass spectrometry: background and applications. International Journal of Mass Spectrometry, 2003, 226, 107-116.	1.5	183
1371	On the formation of initial ion velocities in matrix-assisted laser desorption ionization: Virtual desorption time as an additional parameter describing ion ejection dynamics. International Journal of Mass Spectrometry, 2003, 226, 71-83.	1.5	31
1372	Proteomic study of recombinant adenovirus 5 encoding human p53 by matrix-assisted laser desorption/ionization mass spectrometry in combination with database search. International Journal of Mass Spectrometry, 2003, 226, 55-69.	1.5	16
1373	Experiences and perspectives of MALDI MS and MS/MS in proteomic research. International Journal of Mass Spectrometry, 2003, 226, 223-237.	1.5	54
1374	Fundamentals of matrix-assisted laser desorption/ionization mass spectrometry with pulsed infrared lasers. International Journal of Mass Spectrometry, 2003, 226, 189-209.	1.5	108
1375	Protein incorporation into MALDI-matrix crystals investigated by high resolution field emission scanning electron microscopy. International Journal of Mass Spectrometry, 2003, 226, 117-131.	1.5	23
1376	Temperature dependencies of negative ions formation by capture of low-energy electrons for some typical MALDI matrices. International Journal of Mass Spectrometry, 2003, 227, 259-272.	1.5	21
1377	Temperature dependence of dissociative electron attachment to molecules of gentisic acid, hydroquinone and p-benzoquinone. International Journal of Mass Spectrometry, 2003, 227, 281-288.	1.5	22
1378	Proteomic study of human umbilical vein endothelial cells in culture. Proteomics, 2003, 3, 714-723.	2.2	104
1379	Single-step perfusion chromatography with a throughput potential for enhanced peptide detection by matrix-assisted laser desorption/ionization-mass spectrometry. Proteomics, 2003, 3, 1955-1961.	2.2	53
1380	Mass spectrometric analysis of combinatorial peptide libraries derived from the tandem repeat unit of MUC2 mucin. Journal of Peptide Science, 2003, 9, 361-374.	1.4	4
1381	Mass spectrometric detection and quantification of nodularin-R in flounder livers. Environmental Toxicology, 2003, 18, 284-288.	4.0	18
1382	Covariance mapping in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 991-995.	1.5	13
1383	Sample preparation effects in matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry of partially depolymerised carboxymethyl cellulose. Rapid Communications in Mass Spectrometry, 2003, 17, 1107-1115.	1.5	26
1384	Sample preparation effects in matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry of partially depolymerised methyl cellulose. Rapid Communications in Mass Spectrometry, 2003, 17, 1116-1124.	1.5	15
1385	Extension of the GOOD assay for genotyping single nucleotide polymorphisms by matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 1265-1272.	1.5	23

#	Article	IF	CITATIONS
1386	Investigation of sample preparation and instrumental parameters in the matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of noncovalent peptide/peptide complexes. Rapid Communications in Mass Spectrometry, 2003, 17, 1931-1940.	1.5	27
1387	Time-of-flight mass spectrometric analysis of ions produced from adjacent sample spots irradiated simultaneously by a single 337 nm laser. Rapid Communications in Mass Spectrometry, 2003, 17, 2557-2562.	1.5	8
1388	A high-performance matrix-assisted laser desorption/ionization orthogonal time-of-flight mass spectrometer with collisional cooling. Rapid Communications in Mass Spectrometry, 2003, 17, 2508-2516.	1.5	63
1389	Laser desorption/ionization mass spectrometry on sol–gel-derived dihydroxybenzoic acid isomeric films. Rapid Communications in Mass Spectrometry, 2003, 17, 2683-2687.	1.5	18
1390	Matrix-assisted laser desorption/ionization study of cationization of PEO-PPP rod-coil diblock polymers. Rapid Communications in Mass Spectrometry, 2003, 17, 177-182.	1.5	15
1391	High affinity capture surface for matrix-assisted laser desorption/ionisation compatible protein microarrays. Rapid Communications in Mass Spectrometry, 2003, 17, 455-462.	1.5	26
1392	Ionic matrices for matrix-assisted laser desorption/ionization time-of-flight detection of DNA oligomers. Rapid Communications in Mass Spectrometry, 2003, 17, 553-560.	1.5	139
1393	Analysis of native and chemically modified oligonucleotides by tandem ion-pair reversed-phase high-performance liquid chromatography/electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 646-653.	1.5	111
1394	Identification and fragmentation study of plasticizers with post-source decay matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 783-787.	1.5	5
1395	An atmospheric pressure matrix-assisted laser desorption/ionization ion trap with enhanced sensitivity. Rapid Communications in Mass Spectrometry, 2003, 17, 860-868.	1.5	36
1396	Some aspects of the stability of ion current in a matrix-assisted laser desorption/ionization source. Rapid Communications in Mass Spectrometry, 2003, 17, 917-923.	1.5	8
1397	Mass spectrometry-based proteomics. Nature, 2003, 422, 198-207.	27.8	6,282
1398	Proteomics: the first decade and beyond. Nature Genetics, 2003, 33, 311-323.	21.4	660
1399	A MALDI, TGA, TG/MS, and DEA study of the irradiation effects on PMMA. Polymer, 2003, 44, 167-176.	3.8	33
1400	Multi-dimensional liquid phase based separations in proteomics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 787, 11-18.	2.3	198
1401	Fluorinated Matrix Approach for the Characterization of Hydrophobic Perfluoropolyethers by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight MS. Analytical Chemistry, 2003, 75, 1294-1299.	6.5	22
1402	Use of a Water-Soluble Fullerene Derivative as Precipitating Reagent and Matrix-Assisted Laser Desorption/Ionization Matrix To Selectively Detect Charged Species in Aqueous Solutions. Analytical Chemistry, 2003, 75, 3587-3595.	6. 5	66
1403	Quantitation of Proteins in Milk and Milk Products. , 2003, , 49-138.		14

#	Article	IF	CITATIONS
1404	Preserving the Chromatographic Integrity of High-Speed Supercritical Fluid Chromatography Separations Using Time-of-Flight Mass Spectrometry. ACS Combinatorial Science, 2003, 5, 451-455.	3.3	22
1405	Ion Formation in MALDI:Â The Cluster Ionization Mechanism. Chemical Reviews, 2003, 103, 427-440.	47.7	539
1406	An Automated Noncontact Deposition Interface for Liquid Chromatography Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2003, 75, 2309-2315.	6.5	80
1407	MALDI/MS peptide mass fingerprinting for proteome analysis: identification of hydrophobic proteins attached to eucaryote keratinocyte cytoplasmic membrane using different matrices in concert. Proteome Science, 2003, 1, 2.	1.7	34
1408	A High Repetition Rate (1 kHz) Microcrystal Laser for High Throughput Atmospheric Pressure MALDI-Quadrupole-Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2003, 75, 648-654.	6.5	38
1409	Reduction of Chemical Formulas from the Isotopic Peak Distributions of High-Resolution Mass Spectra. Analytical Chemistry, 2003, 75, 1470-1482.	6.5	50
1410	Two lon/lon Charge Inversion Steps To Form a Doubly Protonated Peptide from a Singly Protonated Peptide in the Gas Phase. Journal of the American Chemical Society, 2003, 125, 7756-7757.	13.7	59
1411	High Aggregation Number Silver Clusters by Matrix-Assisted Laser Desorption/Ionization:Â Role of Matrixes on the Gas-Phase Reduction of Silver Ions. Journal of Physical Chemistry B, 2003, 107, 4818-4825.	2.6	28
1412	Attomole Peptide Analysis by High-Pressure Matrix-Assisted Laser Desorption/Ionization Fourier Transform Mass Spectrometry. Analytical Chemistry, 2003, 75, 6449-6454.	6.5	39
1413	Mass Spectrometric Analysis of DNA Mixtures:Â Instrumental Effects Responsible for Decreased Sensitivity with Increasing Mass. Analytical Chemistry, 2003, 75, 5944-5952.	6.5	54
1414	The Desorption Process in MALDI. Chemical Reviews, 2003, 103, 395-426.	47.7	624
1415	Photoacoustic Analysis of Matrix-Assisted Laser Desorption/Ionization Processes with Pulsed Infrared Lasers. Journal of Physical Chemistry B, 2003, 107, 12275-12286.	2.6	53
1416	Detection of Cyclic Lipopeptide Biomarkers fromBacillusSpecies Using Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2003, 75, 1628-1637.	6.5	61
1417	Identifying a Protein by MALDI-TOF Mass Spectrometry: An Experiment for the Undergraduate Laboratory. Journal of Chemical Education, 2003, 80, 177.	2.3	28
1418	Cleavage N-Terminal to Proline:Â Analysis of a Database of Peptide Tandem Mass Spectra. Analytical Chemistry, 2003, 75, 1963-1971.	6.5	297
1419	Single Peptide-Based Protein Identification in Human Proteome through MALDI-TOF MS Coupled with Amino Acids Coded Mass Tagging. Analytical Chemistry, 2003, 75, 1316-1324.	6.5	47
1420	Laser Desorption Combined with Hyperthermal Surface Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2003, 75, 5602-5607.	6.5	7
1421	Pumping Rate and Surface Morphology Dependence of Ionization Processes in Matrix-Assisted Laser Desorption Ionization. Journal of Physical Chemistry A, 2003, 107, 9754-9761.	2.5	18

#	Article	IF	CITATIONS
1422	Using Mass Spectrometry for Proteins. Journal of Chemical Education, 2003, 80, 122.	2.3	12
1423	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry of Discrete Mass Poly(butylene) Tj ETQq1 1 0.78	4314 rgBT	
1424	Nanoflow LC/Ion Mobility/CID/TOF for Proteomics:Â Analysis of a Human Urinary Proteome. Journal of Proteome Research, 2003, 2, 589-597.	3.7	56
1425	MALDI TOF Post-Source Decay Investigation of Alkali Metal Adducts of Apolar Polypentylresorcinol Dendrimers. Macromolecules, 2003, 36, 8297-8303.	4.8	20
1426	In Situ Liquidâ^'Liquid Extraction as a Sample Preparation Method for Matrix-Assisted Laser Desorption/Ionization MS Analysis of Polypeptide Mixtures. Analytical Chemistry, 2003, 75, 2362-2369.	6.5	46
1427	Gold(I) Phosphido Complexes:Â Synthesis, Structure, and Reactivity. Inorganic Chemistry, 2003, 42, 8891-8901.	4.0	49
1428	Anionic Adducts of Oligosaccharides by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2003, 75, 1638-1644.	6.5	66
1429	Complete Characterization of Posttranslational Modification Sites in the Bovine Milk Protein PP3 by Tandem Mass Spectrometry with Electron Capture Dissociation as the Last Stage. Analytical Chemistry, 2003, 75, 2355-2361.	6.5	126
1430	Application of Molecular Beam Deflection Time-of-Flight Mass Spectrometry to Peptide Analysis. Analytical Chemistry, 2003, 75, 5512-5516.	6.5	18
1431	Application of Proteomics to the Study of Molecular Mechanisms in Neurotoxicology. NeuroToxicology, 2003, 24, 761-775.	3.0	28
1432	Solution Structure of the C-terminal Antiparallel Coiled-coil Domain from Escherichia coli Osmosensor ProP. Journal of Molecular Biology, 2003, 334, 1063-1076.	4.2	37
1433	Involvement of ras activation in toxic hair cell damage of the mammalian cochlea. Neuroscience, 2003, 122, 1025-1035.	2.3	60
1434	Carbon Nanotubes as Assisted Matrix for Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2003, 75, 6191-6195.	6.5	322
1435	An Automated Matrix-Assisted Laser Desorption/Ionization Quadrupole Fourier Transform Ion Cyclotron Resonance Mass Spectrometer for "Bottom-Up―Proteomics. Analytical Chemistry, 2003, 75, 3419-3428.	6.5	39
1436	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry in clinical chemistry. Clinica Chimica Acta, 2003, 337, 11-21.	1.1	205
1437	Mass spectrometry-based clinical proteomics. Pharmacogenomics, 2003, 4, 463-476.	1.3	122
1438	Quantitative Analysis of Synthetic Polymers Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2003, 75, 6531-6535.	6.5	36
1439	Miniaturization of Electrospray Ionization Mass Spectrometry. Applied Spectroscopy Reviews, 2003, 38, 187-244.	6.7	29

#	Article	IF	CITATIONS
1440	Patterned Monolayer/Polymer Films for Analysis of Dilute or Salt-Contaminated Protein Samples by MALDI-MS. Analytical Chemistry, 2003, 75, 185-190.	6.5	73
1441	Stop and Go Extraction Tips for Matrix-Assisted Laser Desorption/Ionization, Nanoelectrospray, and LC/MS Sample Pretreatment in Proteomics. Analytical Chemistry, 2003, 75, 663-670.	6.5	2,337
1442	Development of High-Sensitivity Ion Trap Ion Mobility Spectrometry Time-of-Flight Techniques:Â A High-Throughput Nano-LC-IMS-TOF Separation of Peptides Arising from aDrosophilaProtein Extract. Analytical Chemistry, 2003, 75, 5137-5145.	6.5	111
1443	Structure Elucidation of DNA Interstrand Cross-Link by a Combination of Nuclease P1 Digestion with Mass Spectrometry. Analytical Chemistry, 2003, 75, 6306-6313.	6.5	29
1444	Chemical Cross-linking and Mass Spectrometry for Protein Structural Modeling. Journal of Molecular Biology, 2003, 331, 303-313.	4.2	223
1445	Detection of bound and free IGF-1 and IGF-2 in human plasma via biomolecular interaction analysis mass spectrometry. FEBS Letters, 2003, 536, 130-134.	2.8	31
1446	Mass and size determination of nanometer particles by means of mobility analysis and focused impaction. Journal of Aerosol Science, 2003, 34, 79-98.	3.8	72
1447	Neuropeptidomic analysis of the brain and thoracic ganglion from the Jonah crab, Cancer borealis. Biochemical and Biophysical Research Communications, 2003, 308, 535-544.	2.1	131
1448	Proteomic analysis of the synaptic plasma membrane fraction isolated from rat forebrain. Molecular Brain Research, 2003, 117, 116-128.	2.3	64
1449	Accumulation of nodularin-like compounds from the cyanobacterium Nodularia spumigena and changes in acetylcholinesterase activity in the clam Macoma balthica during short-term laboratory exposure. Aquatic Toxicology, 2003, 64, 461-476.	4.0	72
1450	The use of HPLC-MS in T-cell epitope identification. Methods, 2003, 29, 248-259.	3.8	27
1451	Chameleonic Capacity of [3,3â€~-Co(1,2-C2B9H11)2]- in Coordination. Generation of the Highly Uncommon S(thioether)â~'Na Bond. Organometallics, 2003, 22, 3414-3423.	2.3	107
1452	Dual Electrospray Ionization Source for Confident Generation of Accurate Mass Tags Using Liquid Chromatography Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Analytical Chemistry, 2003, 75, 3411-3418.	6.5	62
1453	Protein and peptide identification: the rÃ1e of mass spectrometry in proteomics. Natural Product Reports, 2003, 20, 202-215.	10.3	47
1454	Laser-Induced Material Ejection from Model Molecular Solids and Liquids:Â Mechanisms, Implications, and Applications. Chemical Reviews, 2003, 103, 349-394.	47.7	118
1455	Development and Conformational Analysis of a Pseudoproline-Containing Turn Mimicâ€. Journal of Organic Chemistry, 2003, 68, 1982-1993.	3.2	22
1456	The Impact of Proteomics on Products and Processes. Advances in Biochemical Engineering/Biotechnology, 2003, 83, 1-25.	1.1	4
1457	Mass Spectrometry — a Key Technology in Proteom Research. Advances in Biochemical Engineering/Biotechnology, 2003, 83, 141-176.	1.1	17

#	ARTICLE	IF	CITATIONS
1458	Ionic Transacetalization with Acylium Ions:Â A Class-Selective and Structurally Diagnostic Reaction for Cyclic Acetals Performed under Unique Electrospray and Atmospheric Pressure Chemical Ionization In-Source Ionâ^Molecule Reaction Conditions. Analytical Chemistry, 2003, 75, 4701-4709.	6.5	42
1459	Matrix-assisted laser desorption/ionization mass spectrometry with re-engineered 2,5-dihydroxybenzoic acid derivativeElectronic supplementary information (ESI) available: Synthesis of M class matrices. See http://www.rsc.org/suppdata/an/b3/b309386g/. Analyst, The, 2003, 128, 1452.	3.5	9
1460	The Role of Dipeptidyl Peptidase IV in the Cleavage of Glucagon Family Peptides. Journal of Biological Chemistry, 2003, 278, 22418-22423.	3.4	205
1463	Emerging Role of Mass Spectrometry in Structural and Functional Proteomics. Advances in Protein Chemistry, 2003, 65, 217-248.	4.4	10
1464	Changes in bronchoalveolar lavage fluid proteins in sarcoidosis: a proteomics approach. European Respiratory Journal, 2003, 21, 414-420.	6.7	73
1465	Transit Peptide Cleavage Sites of Integral Thylakoid Membrane Proteins. Molecular and Cellular Proteomics, 2003, 2, 1068-1085.	3.8	62
1466	Natural Disulfide Bond-disrupted Mutants of AVR4 of the Tomato Pathogen Cladosporium fulvum Are Sensitive to Proteolysis, Circumvent Cf-4-mediated Resistance, but Retain Their Chitin Binding Ability. Journal of Biological Chemistry, 2003, 278, 27340-27346.	3.4	102
1467	Proteomic profiling of cancer biomarkers. Briefings in Functional Genomics & Proteomics, 2003, 2, 147-158.	3.8	19
1468	SNP and mutation discovery using base-specific cleavage and MALDI-TOF mass spectrometry. Bioinformatics, 2003, 19, i44-i53.	4.1	42
1471	Detection of Staphylococcal Enterotoxin B via Biomolecular Interaction Analysis Mass Spectrometry. Applied and Environmental Microbiology, 2003, 69, 5212-5215.	3.1	64
1472	Analysis and accurate quantification of CpG methylation by MALDI mass spectrometry. Nucleic Acids Research, 2003, 31, 50e-50.	14.5	106
1473	Mass Spectrometry-Based Proteomics: Current Status and Potential Use in Clinical Chemistry. Clinical Chemistry and Laboratory Medicine, 2003, 41, 1540-51.	2.3	33
1474	Biomarker Discovery by Tissue Microdissection and ProteinChip® Array Analysis/Identifizierung von Biomarkern Ã $\frac{1}{4}$ ber Gewebemikrodissektion und ProteinChip® Array Analyse. Laboratoriums Medizin, 2003, 27, 79-84.	0.6	0
1475	Fundamentals of MALDI-TOF Mass Spectrometry. , 2003, , 57-84.		3
1476	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Dextran and Dextrin Derivatives. European Journal of Mass Spectrometry, 2003, 9, 61-70.	1.0	21
1477	The Application of Clinical Proteomics to Cancer and other Diseases. Clinical Chemistry and Laboratory Medicine, 2003, 41, 1562-70.	2.3	47
1478	A beam scattering instrument for the dynamics studies of surface-induced dissociation processes. Review of Scientific Instruments, 2003, 74, 168-175.	1.3	15
1479	Probabilistic Disease Classification of Expression-Dependent Proteomic Data from Mass Spectrometry of Human Serum. Journal of Computational Biology, 2003, 10, 925-946.	1.6	145

#	Article	IF	CITATIONS
1480	Proteome Analysis for the Identification of Tumor-Associated Biomarkers in Gastrointestinal Cancer. Digestive Diseases, 2003, 21, 292-298.	1.9	21
1481	Analytical Advances for Hydrocarbon Research. , 2003, , .		26
1482	Identification of Protein Components in Human Acquired Enamel Pellicle and Whole Saliva Using Novel Proteomics Approaches. Journal of Biological Chemistry, 2003, 278, 5300-5308.	3.4	191
1483	Peptidomics in Drosophila melanogaster. Briefings in Functional Genomics & Proteomics, 2003, 2, 114-120.	3.8	37
1484	Organization and Function of APT, a Subcomplex of the Yeast Cleavage and Polyadenylation Factor Involved in the Formation of mRNA and Small Nucleolar RNA 3′-Ends. Journal of Biological Chemistry, 2003, 278, 33000-33010.	3.4	161
1485	Interfacing \hat{l} 4TAS to matrix assisted laser desorption time-of-fight masspectrometry-MALDI-TOF MS. , 2003, , 271-284.		1
1486	Proteomics: Techniques and Applications in Cancer Research. Klinische Padiatrie, 2003, 215, 293-297.	0.6	13
1487	The Use of SELDI ProteinChip® Array Technology in Renal Disease Research. , 2003, 86, 295-312.		19
1489	An Overview of Analytical Applications of Time of Flight-Mass Spectrometric (TOF-MS) Analyzers and an Inductively Coupled Plasma-TOF-MS Technique. Analytical Sciences, 2003, 19, 979-989.	1.6	38
1490	Phosphoprotein and Phosphoproteome Analysis by Mass Spectrometry. Journal of Chromatography Library, 2003, , 21-38.	0.1	1
1491	Proteins, Life and Evolution. Comprehensive Chemical Kinetics, 2003, 42, 53-102.	2.3	1
1492	Typing Mlo alleles for powdery mildew resistance in barley by single nucleotide polymorphism analysis using MALDI-ToF mass spectrometry. Australian Journal of Agricultural Research, 2003, 54, 1343.	1.5	11
1493	Characterization of Silicon-Containing Polymers by Coupling of HPLC-Separation Methods with MALDI-TOF Mass Spectrometry. , 0, , 406-418.		2
1494	Identification and Characterization of Peptides and Proteins Using Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Journal of Chromatography Library, 2003, 68, 199-240.	0.1	3
1495	Nucleic Acid Analysis. Journal of Chromatography Library, 2003, 67, 417-456.	0.1	0
1496	Mixed Peptide Sequencing and the FASTF/FASTS Algorithms. Methods in Enzymology, 2003, 366, 84-95.	1.0	0
1497	Towards the Standard-Module Approach to Disulfide-Linked Polypeptide Nanostructures. I. Methodological Prerequisites and Mass Spectrometric Characterization of the Test Two-Loop Structure. European Journal of Mass Spectrometry, 2003, 9, 139-148.	1.0	9
1498	Characterization of Polyesters by Matrix-Assisted Laser Desorption/Ionization and Fourier Transform Mass Spectrometry. European Journal of Mass Spectrometry, 2003, 9, 473-486.	1.0	18

#	Article	IF	CITATIONS
1499	Biomedical and Biological Mass Spectrometry. Analytical Sciences, 2003, 19, 3-14.	1.6	52
1500	Mass Spectrometric Approaches to Quantitative Proteomics. , 2003, 141, 59-78.		8
1502	Whole Virus Mass Analysis by Electrospray Ionization Journal of the Mass Spectrometry Society of Japan, 2003, 51, 50-53.	0.1	17
1503	Postgenomics: Proteomics and Bioinformatics in Cancer Research. Journal of Biomedicine and Biotechnology, 2003, 2003, 217-230.	3.0	27
1504	Protein identification and profiling with mass spectrometry. Spectroscopy, 2003, 17, 1-15.	0.8	5
1505	Application of Mid-Infrared Free-Electron Laser to Proteomics Research. The Review of Laser Engineering, 2003, 31, 799-804.	0.0	0
1507	High Resolution Tandem Mass Spectrometry for Structural Biochemistry. Current Organic Chemistry, 2003, 7, 1503-1525.	1.6	38
1510	The biology of the post-genomic era: the proteomics. Acta Biologica Hungarica, 2003, 54, 1-14.	0.7	12
1511	Affinity-Based Biosensors, Microarrays and Proteomics. , 2004, , 243-285.		2
1512	MALDI-MS Imaging in Biomedical Research. , 2004, , 371-388.		0
1514	Oligosaccharides., 0,, 83-113.		1
1515	Reduction of Cu(II) and Riboflavin in DIOS Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2004, 52, 13-20.	0.1	15
1517	Two-Dimensional Polyacrylamide Gel Electrophoresis for Platelet Proteomics., 2004, 273, 421-434.		11
1518	Oxygen-Dependent Asparagine Hydroxylation. Methods in Enzymology, 2004, 381, 467-487.	1.0	17
1519	Biomolecular ions in accelerators and storage rings. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, R25-R56.	1.5	43
1520	Proteomics: current techniques and potential applications to lung disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L1-L23.	2.9	99
1521	Changes of Chondrocyte Metabolism In Vitro: An Approach by Proteomic Analysis., 2004, 100, 165-182.		4
1522	Chiral clusters in the gas phase. Advances in Physical Organic Chemistry, 2004, 39, 147-281.	0.5	15

#	Article	IF	CITATIONS
1523	Pulsed supersonic expansion of nonvolatile solids. Review of Scientific Instruments, 2004, 75, 5048-5049.	1.3	17
1524	New design for a time-of-flight mass spectrometer with a liquid beam laser desorption ion source for the analysis of biomolecules. Review of Scientific Instruments, 2004, 75, 1209-1218.	1.3	50
1525	Detection of Genetic Variants of Transthyretin by Liquid Chromatography–Dual Electrospray lonization Fourier-Transform Ion-Cyclotron-Resonance Mass Spectrometry. Clinical Chemistry, 2004, 50, 1535-1543.	3.2	47
1526	Automation of Proteome Analysis. , 2004, , 305-326.		O
1527	Assembly Protein Precursor (pUL80.5 Homolog) of Simian Cytomegalovirus Is Phosphorylated at a Glycogen Synthase Kinase 3 Site and Its Downstream "Priming―Site: Phosphorylation Affects Interactions of Protein with Itself and with Major Capsid Protein. Journal of Virology, 2004, 78, 13501-13511.	3.4	19
1528	An Improved Model for Prediction of Retention Times of Tryptic Peptides in Ion Pair Reversed-phase HPLC. Molecular and Cellular Proteomics, 2004, 3, 908-919.	3.8	261
1530	Structural characterization of extracellular lipase from Streptomyces rimosus: assignment of disulfide bridge pattern by mass spectrometry. Biological Chemistry, 2004, 385, 1147-56.	2.5	10
1531	Photoimmobilization of Proteins for Affinity Capture Combined with MALDI TOF MS Analysis. Analytical Chemistry, 2004, 76, 6643-6650.	6.5	12
1532	Mass Spectrometry on Hydrogen/Deuterium Exchange of Dihydrofolate Reductase: Effects of Ligand Binding. Journal of Biochemistry, 2004, 135, 663-671.	1.7	16
1533	Respiratory muscle activity during REM sleep in patients with diaphragm paralysis. Neurology, 2004, 62, 134-137.	1.1	46
1534	Reverse Sanger sequencing of RNA by MALDI-TOF mass spectrometry after solid phase purification. Nucleic Acids Research, 2004, 32, e97-e97.	14.5	15
1535	Proteomics-on-a-chip: the challenge to couple lab-on-a-chip unit operations. Expert Review of Proteomics, 2004, 1, 123-132.	3.0	29
1536	Genotyping Technologies: Application to Biotransformation Enzyme Genetic Polymorphism Screening. , 2005, 291, 399-414.		9
1538	Mass spectrometry for malaria diagnosis. Expert Review of Molecular Diagnostics, 2004, 4, 821-829.	3.1	24
1539	Docetaxel in androgen-independent prostate cancer: an update. BJU International, 2004, 94, 1209-1210.	2.5	4
1540	Perspectives on the natural history of recurrent prostate cancer after radical prostatectomy, based on the response to salvage radiotherapy. BJU International, 2004, 94, 1210-1212.	2.5	11
1541	Robotically assisted paediatric pyeloplasty: cutting edge or expensive toy?. BJU International, 2004, 94, 1214-1215.	2.5	16
1542	The management of the complex rectoâ€urethral fistula. BJU International, 2004, 94, 1212-1213.	2.5	48

#	Article	IF	CITATIONS
1543	The proteomic approach to urological biomarkers. BJU International, 2004, 94, 1215-1216.	2.5	5
1544	Proteomics and the haematologist. International Journal of Laboratory Hematology, 2004, 26, 77-86.	0.2	21
1545	Let them fly or light them up: matrix-assisted laser desorption/ionization time of flight (MALDI-TOF) mass spectrometry and fluorescence in situ hybridization (FISH). Apmis, 2004, 112, 856-885.	2.0	27
1546	The abc's (and xyz's) of peptide sequencing. Nature Reviews Molecular Cell Biology, 2004, 5, 699-711.	37.0	948
1547	Protein profiling of human postmortem brain using 2-dimensional fluorescence difference gel electrophoresis (2-D DIGE). Molecular Psychiatry, 2004, 9, 128-143.	7.9	85
1548	Proteomics in pathology research. Laboratory Investigation, 2004, 84, 1227-1244.	3.7	64
1549	Proteomics in reproductive medicine: the technology for separation and identification of proteins. Journal of Reproductive Immunology, 2004, 63, 61-73.	1.9	17
1550	Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds. International Journal of Mass Spectrometry, 2004, 236, 81-90.	1.5	47
1551	A laser desorption/resonance enhanced photoionisation TOF-system for the spatially resolved trace analysis of elements. Nuclear Instruments & Methods in Physics Research B, 2004, 226, 644-650.	1.4	15
1552	Integrin specificity of the cyclic Arg-Gly-Asp motif and its role in integrin-targeted gene transfer. Biotechnology and Applied Biochemistry, 2004, 40, 281.	3.1	5
1553	MALDI-TOF Mass Spectrometry: A Versatile Tool for High-Performance DNA Analysis. Molecular Biotechnology, 2004, 26, 147-164.	2.4	169
1554	Proteomics for Protein Expression Profiling in Neuroscience. Neurochemical Research, 2004, 29, 1065-1081.	3.3	103
1555	Fast Screening of Low Molecular Weight Compounds by Thin-Layer Chromatography and "On-Spot― MALDI-TOF Mass Spectrometry. Analytical Chemistry, 2004, 76, 2144-2147.	6.5	69
1556	Proteomics as a tool to monitor plant-microbe endosymbioses in the rhizosphere. Mycorrhiza, 2004, 14, 1-10.	2.8	46
1557	Effect of ionization mode in the analysis of proteolytic protein digests. International Journal of Mass Spectrometry, 2004, 234, 185-202.	1.5	18
1558	Improved protein identification using automated high mass measurement accuracy MALDI FT-ICR MS peptide mass fingerprinting. International Journal of Mass Spectrometry, 2004, 238, 189-196.	1.5	16
1559	The impact of chromatography and mass spectrometry on the analysis of protein phosphorylation sites. Analytical and Bioanalytical Chemistry, 2004, 378, 898-909.	3.7	32
1560	Proteomics for nasal secretion analysis. Current Allergy and Asthma Reports, 2004, 4, 224-229.	5. 3	12

#	Article	IF	CITATIONS
1561	Differentiation between peptides containing acetylated or tri-methylated lysines by mass spectrometry: An application for determining lysine 9 acetylation and methylation of histone H3. Proteomics, 2004, 4, $1-10$.	2.2	135
1562	A strategy to improve peptide mass fingerprinting matches through the optimization of matrix-assisted laser desorption/ionization matrix selection and formulation. Proteomics, 2004, 4, 466-473.	2.2	25
1563	Comparative proteomic analysis of de-N-glycosylated serum from hepatitis B carriers reveals polypeptides that correlate with disease status. Proteomics, 2004, 4, 826-838.	2.2	56
1564	Protein kinase A phosphorylation characterized by tandem Fourier transform ion cyclotron resonance mass spectrometry. Proteomics, 2004, 4, 970-981.	2.2	79
1565	A convenient method to extract matrix-assisted laser desorption/ionization mass spectrometry spectra from phosphate-containing peptide mixtures. Proteomics, 2004, 4, 1935-1938.	2.2	8
1566	Challenges in mass spectrometry-based proteomics. Proteomics, 2004, 4, 3686-3703.	2.2	164
1567	Aminotelechelics: A convenient synthesis and characterization of primary amino-terminated telechelic poly(propylene glycol) and polyisobutylene. Journal of Polymer Science Part A, 2004, 42, 587-596.	2.3	3
1568	Qualitative and quantitative analysis of low molecular weight compounds by ultraviolet matrix-assisted laser desorption/ionization mass spectrometry using ionic liquid matrices. Rapid Communications in Mass Spectrometry, 2004, 18, 141-148.	1.5	120
1569	Solid-phase microextraction combined with surface-enhanced laser desorption/ionization introduction for ion mobility spectrometry and mass spectrometry using polypyrrole coatings. Rapid Communications in Mass Spectrometry, 2004, 18, 157-162.	1.5	26
1570	Glass-chip-based sample preparation and on-chip trypic digestion for matrix-assisted laser desorption/ionization mass spectrometric analysis using a sol–gel/2,5-dihydroxybenzoic acid hybrid matrix. Rapid Communications in Mass Spectrometry, 2004, 18, 313-318.	1.5	21
1571	Structural assignment of isomeric 2-aminopyridine-derivatized oligosaccharides using MSn spectral matching. Rapid Communications in Mass Spectrometry, 2004, 18, 385-391.	1.5	35
1572	Liquid supports for ultraviolet atmospheric pressure matrix-assisted laser desorption/ionization. Rapid Communications in Mass Spectrometry, 2004, 18, 629-635.	1.5	15
1573	A mixed matrix of 3-hydroxypicolinic acid and pyrazinecarboxylic acid for matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of oligodeoxynucleotides. Rapid Communications in Mass Spectrometry, 2004, 18, 787-794.	1.5	16
1574	Polymer-assisted laser desorption/ionization analysis of small molecular weight compounds. Rapid Communications in Mass Spectrometry, 2004, 18, 841-852.	1.5	34
1575	The contributions of specific amino acid side chains to signal intensities of peptides in matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 863-868.	1.5	52
1576	Atmospheric pressure matrix-assisted laser desorption/ionization with analysis by ion mobility time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 882-888.	1.5	45
1577	Proteome analysis in bovine adrenal medulla using matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 914-916.	1.5	8
1578	Dried-droplet probe preparation on AnchorChipâ,,¢ targets for navigating the acquisition of matrix-assisted laser desorption/ionization time-of-flight spectra by fluorescence of matrix/analyte crystals. Rapid Communications in Mass Spectrometry, 2004, 18, 923-930.	1.5	40

#	Article	IF	CITATIONS
1579	Tandem mass spectrometry of half-generation PAMAM dendrimer anions. Rapid Communications in Mass Spectrometry, 2004, 18, 960-972.	1.5	41
1580	The influence of electrospray deposition in matrix-assisted laser desorption/ionization mass spectrometry sample preparation for synthetic polymers. Rapid Communications in Mass Spectrometry, 2004, 18, 1139-1146.	1.5	26
1581	Improved sensitivity for insulin in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry by premixing \hat{l} ±-cyano-4-hydroxycinnamic acid matrix with transferrin. Rapid Communications in Mass Spectrometry, 2004, 18, 1156-1160.	1.5	18
1582	Post-source decay matrix-assisted laser desorption/ionization mass spectrometric study of tetracyclic 2,3-dihydro-1,5-benzothiazepines. Rapid Communications in Mass Spectrometry, 2004, 18, 1259-1264.	1.5	2
1583	Porous polymer monolith for surface-enhanced laser desorption/ionization time-of-flight mass spectrometry of small molecules. Rapid Communications in Mass Spectrometry, 2004, 18, 1504-1512.	1.5	54
1584	Determination of glycopeptide structures by multistage mass spectrometry with low-energy collision-induced dissociation: comparison of electrospray ionization quadrupole ion trap and matrix-assisted laser desorption/ionization quadrupole ion trap reflectron time-of-flight approaches. Rapid Communications in Mass Spectrometry, 2004, 18, 1575-1582.	1.5	89
1585	Formation of iminium ions by fragmentation of a2 ions. Rapid Communications in Mass Spectrometry, 2004, 18, 1635-1640.	1.5	21
1586	Phosphoric acid enhances the performance of Fe(III) affinity chromatography and matrix-assisted laser desorption/ionization tandem mass spectrometry for recovery, detection and sequencing of phosphopeptides. Rapid Communications in Mass Spectrometry, 2004, 18, 1721-1730.	1.5	95
1587	Multiplexed hybridizations of positively charge-tagged peptide nucleic acids detected by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 1821-1829.	1.5	10
1588	Ultraviolet matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of intact hemoglobin complex from whole human blood. Rapid Communications in Mass Spectrometry, 2004, 18, 1932-1938.	1.5	20
1589	Proteome analysis in the bovine adrenal medulla using liquid chromatography with tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 1877-1884.	1.5	13
1590	Desorption/ionization mass spectrometry on nanocrystalline titania sol–gel-deposited films. Rapid Communications in Mass Spectrometry, 2004, 18, 1956-1964.	1.5	97
1591	Identification and characterization of a newl ² -casein variant in goat milk by high-performance liquid chromatography with electrospray ionization mass spectrometry and matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 1972-1982.	1.5	33
1592	Comparison of laser-induced dissociation and high-energy collision-induced dissociation using matrix-assisted laser desorption/ionization tandem time-of-flight(MALDI-TOF/TOF) for peptide and protein identification. Rapid Communications in Mass Spectrometry, 2004, 18, 2093-2105.	1.5	35
1593	Characterization of humic substances by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2375-2382.	1.5	27
1594	Reduction of organic dyes in matrix-assisted laser desorption/ionization and desorption/ionization on porous silicon. Rapid Communications in Mass Spectrometry, 2004, 18, 2811-2817.	1.5	44
1595	Matrix-assisted and polymer-assisted laser desorption/ionization time-of-flight mass spectrometric analysis of low molecular weight polystyrenes and polyethylene glycols. Rapid Communications in Mass Spectrometry, 2004, 18, 2904-2912.	1.5	23
1596	Removal of sodium and potassium adducts using a matrix additive during matrix-associated laser desorption/ionization time-of-flight mass spectrometric analysis of peptides. Rapid Communications in Mass Spectrometry, 2004, 18, 2953-2959.	1.5	22

#	Article	IF	CITATIONS
1597	Capillary electrophoresis off-line matrix-assisted laser desorption/ionisation mass spectrometry of intact and digested proteins using cationic-coated capillaries. Rapid Communications in Mass Spectrometry, 2004, 18, 2946-2952.	1.5	42
1598	Coupling of nanoflow liquid chromatography to matrix-assisted laser desorption/ionization mass spectrometry: real-time liquid chromatography run mapping on a MALDI plate. Rapid Communications in Mass Spectrometry, 2004, 18, 3008-3014.	1.5	21
1599	New Mass Spectrometric Methods for the Quantification of Protein–Ligand Binding in Solution. Angewandte Chemie - International Edition, 2004, 43, 22-25.	13.8	27
1600	An introduction to mass spectrometry applications in biological research. Biochemistry and Molecular Biology Education, 2004, 32, 93-100.	1.2	48
1602	Prevention of artifactual protein oxidation generated during sodium dodecyl sulfate-gel electrophoresis. Electrophoresis, 2004, 25, 959-965.	2.4	42
1603	Bioanalysis: Its past, present, and some future. Electrophoresis, 2004, 25, 2111-2127.	2.4	40
1604	Analysis of high-mannose-type oligosaccharides by microliquid chromatography-mass spectrometry and capillary electrophoresis. Electrophoresis, 2004, 25, 2003-2009.	2.4	26
1605	Repeatedly usable immobilized pH gradient in a monolithic capillary column. Electrophoresis, 2004, 25, 1729-1734.	2.4	36
1606	DNA analysis by MALDI-TOF mass spectrometry. Human Mutation, 2004, 23, 437-441.	2.5	110
1607	Application of mass spectrometry to the identification and quantification of histone post-translational modifications. Journal of Cellular Biochemistry, 2004, 92, 691-700.	2.6	125
1608	Solid-state glycation of l²-lactoglobulin by lactose and galactose: localization of the modified amino acids using mass spectrometric techniques. Journal of Mass Spectrometry, 2004, 39, 16-28.	1.6	73
1609	Ion-pair assisted recovery of matrix-assisted laser desorption/ionization mass spectral signals from SDS-containing peptide–protein mixtures. Journal of Mass Spectrometry, 2004, 39, 79-85.	1.6	12
1610	Application of a multi-turn time-of-flight mass spectrometer, MULTUM II, to organic compounds ionized by matrix-assisted laser desorption/ionization. Journal of Mass Spectrometry, 2004, 39, 86-90.	1.6	29
1611	Acid-labile surfactant improves in-sodium dodecyl sulfate polyacrylamide gel protein digestion for matrix-assisted laser desorption/ionization mass spectrometric peptide mapping. Journal of Mass Spectrometry, 2004, 39, 202-207.	1.6	45
1612	Mass spectrometric analysis of low molecular mass polyesters by laser desorption/ionization on porous silicon. Journal of Mass Spectrometry, 2004, 39, 961-965.	1.6	52
1613	A digital ion trap mass spectrometer coupled with atmospheric pressure ion sources. Journal of Mass Spectrometry, 2004, 39, 471-484.	1.6	116
1614	Internal energy build-up in matrix-assisted laser desorption/ionization. Journal of Mass Spectrometry, 2004, 39, 579-593.	1.6	115
1615	Matrix-dependent cationization in MALDI mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 808-816.	1.6	45

#	Article	IF	CITATIONS
1616	Mass spectrometry of N-linked oligosaccharides using atmospheric pressure infrared laser ionization from solution. Journal of Mass Spectrometry, 2004, 39, 913-921.	1.6	13
1617	Ion activation methods for tandem mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 1091-1112.	1.6	430
1618	Matrix-free infrared soft laser desorption/ionization. Journal of Mass Spectrometry, 2004, 39, 1182-1189.	1.6	36
1619	Matrix-assisted laser desorption/ionization mass spectrometry for the characterization of ionic liquids and the analysis of amino acids, peptides and proteins in ionic liquids. Journal of Mass Spectrometry, 2004, 39, 1494-1505.	1.6	62
1620	Charge permutation reactions in tandem mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 1231-1259.	1.6	18
1621	Characterization of covalently inhibited extracellular lipase from Streptomyces rimosus by matrix-assisted laser desorption/ionization time-of-flight and matrix-assisted laser desorption/ionization quadrupole ion trap reflectron time-of-flight mass spectrometry: localization of the active site serine. Journal of Mass Spectrometry. 2004. 39. 1474-1483.	1.6	13
1622	Investigation of intact protein complexes by mass spectrometry. Mass Spectrometry Reviews, 2004, 23, 368-389.	5.4	541
1623	Optical detection methods for mass spectrometry of macroions. Mass Spectrometry Reviews, 2004, 23, 443-465.	5.4	33
1624	Compilation of a MALDI-TOF mass spectral database for the rapid screening and characterisation of bacteria implicated in human infectious diseases. Infection, Genetics and Evolution, 2004, 4, 221-242.	2.3	165
1625	An improvement of matrix-assisted laser desorption/ionization mass spectrometry using an infrared tunable free electron laser. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 528, 609-613.	1.6	13
1626	Mass spectrometry of poly(methyl methacrylate) (PMMA) prepared by atom transfer radical polymerization (ATRP). European Polymer Journal, 2004, 40, 159-163.	5.4	38
1627	Influence of the capillary temperature and the source pressure on the internal energy distribution of electrosprayed ions. International Journal of Mass Spectrometry, 2004, 231, 189-195.	1.5	60
1628	Probing chain-end functionalization reactions in living anionic polymerization via matrix-assisted laser desorption ionization time-of-flight mass spectrometry. International Journal of Mass Spectrometry, 2004, 238, 245-255.	1.5	31
1629	Gas-phase fragmentation of oligonucleotide ions. International Journal of Mass Spectrometry, 2004, 237, 197-241.	1.5	136
1630	The study of protein–ligand interactions by mass spectrometry—a personal view. International Journal of Mass Spectrometry, 2004, 239, 33-41.	1.5	36
1631	Characterisation of poly(alkyl methacrylate)s by means of electrospray ionisation–tandem mass spectrometry (ESI–MS/MS). International Journal of Mass Spectrometry, 2004, 238, 265-277.	1.5	39
1632	MALDI PSD of low molecular weight ethoxylated polymers. International Journal of Mass Spectrometry, 2004, 238, 257-264.	1.5	19
1633	A computational study of the fragmentation of b3 ions derived from protonated peptides. Computational and Theoretical Chemistry, 2004, 675, 79-93.	1.5	8

#	Article	IF	CITATIONS
1634	An automated high performance capillary liquid chromatography-Fourier transform ion cyclotron resonance mass spectrometer for high-throughput proteomics. Journal of the American Society for Mass Spectrometry, 2004, 15, 212-232.	2.8	70
1635	Towards understanding the tandem mass spectra of protonated oligopeptides. 1: Mechanism of amide bond cleavage. Journal of the American Society for Mass Spectrometry, 2004, 15, 103-113.	2.8	151
1636	Investigations of electrospray sample deposition for polymer MALDI mass spectrometry. Journal of the American Society for Mass Spectrometry, 2004, 15, 168-179.	2.8	66
1637	A high pressure matrix-assisted laser desorption ion source for Fourier transform mass spectrometry designed to accommodate large targets with diverse surfaces. Journal of the American Society for Mass Spectrometry, 2004, 15, 128-132.	2.8	58
1638	Macromolecule mass spectrometry: Citation mining of user documents. Journal of the American Society for Mass Spectrometry, 2004, 15, 281-287.	2.8	15
1639	Estimation of the proton affinity values of fifteen matrix-assisted laser desorption/ionization matrices under electrospray ionization conditions using the kinetic method. Journal of the American Society for Mass Spectrometry, 2004, 15, 431-435.	2.8	63
1640	Development of an LC-MALDI method for the analysis of protein complexes. Journal of the American Society for Mass Spectrometry, 2004, 15, 803-822.	2.8	76
1641	Cationization of simple organic molecules by singly-charged Ag3+ cluster ions in matrix-assisted laser desorption/ionization mass spectrometry: Metal cluster-molecule interactions. Journal of the American Society for Mass Spectrometry, 2004, 15, 879-883.	2.8	17
1642	Analysis of polyaniline oligomers by laser desorption ionization and solventless MALDI. Journal of the American Society for Mass Spectrometry, 2004, 15, 893-899.	2.8	33
1643	Infrared laser post-ionization of large biomolecules from an IR-MALD(I) plume. Journal of the American Society for Mass Spectrometry, 2004, 15, 934-941.	2.8	32
1644	Construction of a hybrid quadrupole/fourier transform ion cyclotron resonance mass spectrometer for versatile MS/MS above 10 kDa. Journal of the American Society for Mass Spectrometry, 2004, 15, 1099-1108.	2.8	107
1645	Disposable chromatography for a high-throughput nano-ESI/MS and nano-ESI/MS-MS platform. Journal of the American Society for Mass Spectrometry, 2004, 15, 1333-1340.	2.8	15
1646	Bimetallic silver-gold clusters by matrix-assisted laser desorption/ionization. Journal of the American Society for Mass Spectrometry, 2004, 15, 1455-1461.	2.8	15
1647	Using amino acids for probing structural information of cytochrome c by electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2004, 15, 1612-1615.	2.8	9
1648	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
1649	Fragmentation of protonated oligoalanines: Amide bond cleavage and beyond. Journal of the American Society for Mass Spectrometry, 2004, 15, 1810-1819.	2.8	36
1650	Ion soft-landing into liquids: Protein identification, separation, and purification with retention of biological activity. Journal of the American Society for Mass Spectrometry, 2004, 15, 1874-1884.	2.8	93
1651	Identification and analysis of phosphopeptides. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 803, 111-120.	2.3	65

#	Article	IF	CITATIONS
1652	Evaluation of sphingolipids in vitreous bodies from a patient with Gaucher disease, using delayed extraction matrix-assisted laser desorption ionization time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 806, 47-51.	2.3	20
1653	Mass spectrometry for high throughput quantitative proteomics in plant research: lessons from thylakoid membranes. Plant Physiology and Biochemistry, 2004, 42, 919-927.	5.8	34
1654	Characterization of protein fouling on membranes: opportunities and challenges. Journal of Membrane Science, 2004, 242, 169-188.	8.2	183
1655	Characterization of protein kinase A phosphorylation: multi-technique approach to phosphate mapping. Analytical Biochemistry, 2004, 324, 204-218.	2.4	11
1656	Quantitative matrix-assisted laser desorption/ionization mass spectrometry for the determination of enzyme activities. Analytical Biochemistry, 2004, 326, 167-175.	2.4	51
1657	Determination of neutral oligosaccharides in vegetables by matrix-assisted laser desorption/ionization mass spectrometry. Analytica Chimica Acta, 2004, 520, 47-55.	5.4	39
1658	Parameterising matrix-assisted laser desorption/ionisation (MALDI): strategy for matrixâ€"analyte selection and effect of radical co-additives on analyte peak intensities. Analytica Chimica Acta, 2004, 519, 181-187.	5.4	2
1659	The use of mass spectrometry in genomics. New Biotechnology, 2004, 21, 1-13.	2.7	27
1660	Surface-MALDI mass spectrometry in biomaterials research. Biomaterials, 2004, 25, 4861-4875.	11.4	66
1661	Laser-induced ion emission during polymer deposition from a flash-frozen water ice matrix. Chemical Physics Letters, 2004, 399, 368-372.	2.6	29
1662	Novel proteomic approaches for tissue analysis. Expert Review of Proteomics, 2004, 1, 185-192.	3.0	16
1663	Matrix-Implanted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2004, 76, 7288-7293.	6.5	25
1664	Albumin mediates the transcytosis of myeloperoxidase by means of caveolae in endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7699-7704.	7.1	145
1665	Analysis of Phosphorylated Proteins by Mass Spectrometry. Applied Spectroscopy Reviews, 2004, 35, 95-128.	6.7	1
1666	On-line atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry. Analyst, The, 2004, 129, 574.	3.5	21
1667	BSE Control: Detection of gelatine-derived peptides in animal feed by mass spectrometry. Analyst, The, 2004, 129, 111-115.	3.5	42
1668	MALDI-TOF MS detection of dilute, volume-limited peptide samples with physiological salt levels. Analyst, The, 2004, 129, 817.	3.5	21
1669	Cleavage of the amide bond of protonated dipeptides. Physical Chemistry Chemical Physics, 2004, 6, 2691-2699.	2.8	36

#	Article	IF	CITATIONS
1672	2003 Fred Beamish Award Lecture $\hat{A}-$ Exploring the dynamics of biological systems by mass spectrometry. Canadian Journal of Chemistry, 2004, 82, 1565-1580.	1.1	3
1673	SNPWaveTM: a flexible multiplexed SNP genotyping technology. Nucleic Acids Research, 2004, 32, 47e-47.	14.5	40
1674	Simple Identification of A Cross-Linked Hemoglobin by Tandem Mass Spectrometry in Human Serum. Analytical Chemistry, 2004, 76, 6628-6634.	6.5	14
1675	Identification of 4-Hydroxy-2-nonenal-Modified Peptides within Unfractionated Digests Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2004, 76, 867-873.	6.5	47
1676	Investigation of Noncovalent Interactions in Deprotonated Peptides:  Structural and Energetic Competition between Aggregation and Hydration. Journal of the American Chemical Society, 2004, 126, 3261-3270.	13.7	44
1677	Structural Characterization of N-Glycopeptides by Matrix-Dependent Selective Fragmentation of MALDI-TOF/TOF Tandem Mass Spectrometry. Analytical Chemistry, 2004, 76, 6097-6101.	6.5	74
1678	Atmospheric Pressure MALDI-Fourier Transform Mass Spectrometry. Analytical Chemistry, 2004, 76, 3930-3934.	6.5	33
1679	Exploring the Importance of the Relative Solubility of Matrix and Analyte in MALDI Sample Preparation Using HPLC. Analytical Chemistry, 2004, 76, 5157-5164.	6.5	52
1680	Selective Binding of NH4+by Redox-Active Crown Ethers:Â Application to a NH4+Sensor. Analytical Chemistry, 2004, 76, 3660-3665.	6.5	16
1681	Improvement of the MS/MS Fragment Ion Coverage of Acidic Residue-Containing Peptides by Amidation with 15N-Substituted Amine. Analytical Chemistry, 2004, 76, 5894-5902.	6.5	17
1682	Peer Reviewed: Profiling and Imaging Proteins in Tissue Sections by MS. Analytical Chemistry, 2004, 76, 86 A-93 A.	6.5	76
1683	Increasing the Negative Charge of a Macroanion in the Gas Phase via Sequential Charge Inversion Reactions. Analytical Chemistry, 2004, 76, 4189-4192.	6.5	42
1684	Human Serum Proteins Preseparated by Electrophoresis or Chromatography Followed by Tandem Mass Spectrometry. Journal of Proteome Research, 2004, 3, 364-382.	3.7	84
1685	Effects of Single Amino Acid Substitution on the Collision-Induced Dissociation of Intact Protein Ions:  Turkey Ovomucoid Third Domain. Journal of Proteome Research, 2004, 3, 1033-1041.	3.7	16
1686	MALDI MS Peptide Mapping Performance by In-Gel Digestion on a Probe with Prestructured Sample Supports. Analytical Chemistry, 2004, 76, 3576-3583.	6.5	21
1687	Direct from Polyacrylamide Gel Infrared Laser Desorption/Ionization. Analytical Chemistry, 2004, 76, 1078-1082.	6.5	24
1688	Mining Disease Susceptibility Genes through SNP Analyses and Expression Profiling Using MALDI-TOF Mass Spectrometry. Journal of Proteome Research, 2004, 3, 218-227.	3.7	50
1689	Charge-Transfer Matrixes as a Tool To Desorb Intact Labile Molecules by Matrix-Assisted Laser Desorption/Ionization. Use of 2,7-Dimethoxynaphthalene in the Ionization of Polymetallic Porphyrins. Analytical Chemistry, 2004, 76, 5985-5989.	6.5	10

#	Article	IF	CITATIONS
1690	Sequencing from Compomers: Using Mass Spectrometry for DNAde novoSequencing of 200+ nt. Journal of Computational Biology, 2004, 11, 1110-1134.	1.6	22
1691	Measuring Masses of Single Bacterial Whole Cells with aÂQuadrupole IonÂTrap. Journal of the American Chemical Society, 2004, 126, 11766-11767.	13.7	57
1692	Electrowetting-Based Microfluidics for Analysis of Peptides and Proteins by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2004, 76, 4833-4838.	6.5	295
1693	Differential Mass Spectrometry:  A Label-Free LCâ^MS Method for Finding Significant Differences in Complex Peptide and Protein Mixtures. Analytical Chemistry, 2004, 76, 6085-6096.	6.5	277
1694	Proteomics in Pancreatic Disease. Pancreatology, 2004, 4, 67-75.	1.1	15
1695	Implications of New Proteomics Strategies for Biology and Medicine. Journal of Proteome Research, 2004, 3, 253-260.	3.7	60
1696	Assignment and Quantification of 2-Aminopyridine Derivatized Oligosaccharide Isomers Coeluted on Reversed-Phase HPLC/MS by MSnSpectral Library. Analytical Chemistry, 2004, 76, 7294-7303.	6.5	51
1697	Qualitative and Quantitative Analysis of Small Amine Molecules by MALDI-TOF Mass Spectrometry through Charge Derivatization. Analytical Chemistry, 2004, 76, 4888-4893.	6. 5	53
1698	Ejection of Clusters from Liquid Beam Surface by IR Laser Irradiation. Israel Journal of Chemistry, 2004, 44, 215-221.	2.3	8
1699	Proteomic Profiling of Intact Mycobacteria by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2004, 76, 5769-5776.	6. 5	87
1700	Photoelectron Spectroscopy of Isolated Multiply Negatively Charged Oligonucleotides. Journal of the American Chemical Society, 2004, 126, 8585-8589.	13.7	47
1701	Analysis of Organoselenium Compounds in Human Urine Using Active Carbon and Chemically Modified Silica Solâ^'Gel Surface-Assisted Laser Desorption/Ionization High-Resolution Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2004, 76, 2062-2070.	6.5	37
1702	Single-Nucleotide Polymorphism Genotyping for Disease Association Studies., 2005, 108, 159-172.		8
1703	Serum Proteomics in Cancer Diagnosis and Management. Annual Review of Medicine, 2004, 55, 97-112.	12.2	141
1704	Absolute Quantification of the Model Biomarker Prostate-Specific Antigen in Serum by LCâ^'MS/MS Using Protein Cleavage and Isotope Dilution Mass Spectrometry. Journal of Proteome Research, 2004, 3, 644-652.	3.7	245
1706	Selective production of rat mutant selenoprotein W with and without bound glutathione. Biochemical and Biophysical Research Communications, 2004, 313, 308-313.	2.1	13
1707	A rapid method of sequencing long synthetic peptide sequences by laser power variation in MALDI-ToF, using polyglutamine model peptides. Biochemical and Biophysical Research Communications, 2004, 320, 635-638.	2.1	2
1708	Tyrosine residues modification studied by MALDI-TOF mass spectrometry. Biochemical and Biophysical Research Communications, 2004, 323, 1151-1156.	2.1	29

#	Article	IF	CITATIONS
1709	Rapid detection of six common Chinese G6PD mutations by MALDI-TOF MS. Blood Cells, Molecules, and Diseases, 2004, 32, 315-318.	1.4	12
1710	Understanding global changes in histone H1 phosphorylation using mass spectrometry. Methods, 2004, 33, 53-58.	3.8	13
1711	Matrix-assisted laser desorption and ionization time-of-flight (MALDI-TOF) mass spectrometry in lipid and phospholipid research. Progress in Lipid Research, 2004, 43, 449-488.	11.6	342
1712	Proteomics in Diagnostic Pathology. American Journal of Pathology, 2004, 165, 1057-1068.	3.8	257
1713	Comparison of selected analytical techniques for protein sizing, quantitation and molecular weight determination. Journal of Proteomics, 2004, 60, 281-293.	2.4	93
1714	Applications and performance of a MALDI-ToF mass spectrometer with quadratic field reflectron technology. Journal of Proteomics, 2004, 60, 319-334.	2.4	13
1715	Milk proteomics. International Dairy Journal, 2004, 14, 1013-1023.	3.0	122
1716	Gold Nanoparticles as Selective and Concentrating Probes for Samples in MALDI MS Analysis. Analytical Chemistry, 2004, 76, 4337-4342.	6.5	114
1717	2,5-Dihydroxybenzoic Acid Butylamine and Other Ionic Liquid Matrixes for Enhanced MALDI-MS Analysis of Biomolecules. Analytical Chemistry, 2004, 76, 2938-2950.	6.5	201
1718	Potential for False Positive Identifications from Large Databases through Tandem Mass Spectrometry. Journal of Proteome Research, 2004, 3, 1082-1085.	3.7	192
1719	PCR-based diagnostics for infectious diseases: uses, limitations, and future applications in acute-care settings. Lancet Infectious Diseases, The, 2004, 4, 337-348.	9.1	714
1720	Q TRAPâ,,¢ mass spectrometer technology for proteomics applications. Drug Discovery Today: TARGETS, 2004, 3, 31-36.	0.5	4
1721	Phosphoric Acid as a Matrix Additive for MALDI MS Analysis of Phosphopeptides and Phosphoproteins. Analytical Chemistry, 2004, 76, 5109-5117.	6.5	294
1722	Mass Spectrometry in the Characterisation of Cereal Seed Proteins. European Journal of Mass Spectrometry, 2004, 10, 359-370.	1.0	26
1723	Fragmentation Study of Peptides Using Fourier Transform Ion Cyclotron Resonance with Infrared Multiphoton Dissociation: Experiment and Simulation. European Journal of Mass Spectrometry, 2004, 10, 639-647.	1.0	9
1724	Changes in Phospholipid Composition within the Dystrophic Muscle by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry and Mass Spectrometry Imaging. European Journal of Mass Spectrometry, 2004, 10, 657-664.	1.0	106
1725	Prion (PrPres) Allotypes Profiling: New Perspectives from Mass Spectrometry. European Journal of Mass Spectrometry, 2004, 10, 371-382.	1.0	7
1726	A Comparative Study of the Collision-Induced Dissociation and the Electron Capture Dissociation of Model Peptides Using Electrospray Ionization Fourier-Transform Mass Spectrometry. European Journal of Mass Spectrometry, 2004, 10, 449-457.	1.0	12

#	Article	IF	CITATIONS
1727	The Role of Free Electrons in Matrix-Assisted Laser Desorption/Ionization: Electron Capture by Molecules of \hat{l}_{\pm} -Cyano-4-Hydroxycinnamic Acid. European Journal of Mass Spectrometry, 2004, 10, 477-486.	1.0	30
1728	High Detection Sensitivity Achieved with Cryogenic Detectors in Combination with Matrix-Assisted Laser Desorption/Ionisation Time-of-Flight Mass Spectrometry. European Journal of Mass Spectrometry, 2004, 10, 469-476.	1.0	18
1729	Models of Fragmentations Induced by Electron Attachment to Protonated Peptides. European Journal of Mass Spectrometry, 2004, 10, 625-638.	1.0	58
1730	Development of ion attachment mass spectrometry and its applications. Bunseki Kagaku, 2004, 53, 475-489.	0.2	14
1731	Characterization of nonylphenolpolyethoxylates by matrix-assisted laser desorption/ionization mass spectrometry and post-source decay. Bunseki Kagaku, 2004, 53, 555-560.	0.2	1
1733	Mass-Spectrometry-Based Proteomics for Cancer Biology. , 2005, , 91-107.		0
1734	Time-Resolved Imaging of the Plume Dynamics in Infrared Matrix-Assisted Laser Desorption/Ionization with a Glycerol Matrix. Journal of Physical Chemistry B, 2005, 109, 11661-11666.	2.6	41
1735	Physical and biological limitations of in vivo multiphoton fluorescence microscopy. , 2005, , .		0
1737	Laser Desorption/Ionization Mass Spectrometry on Porous Silicon and Its Application to Synthetic Polymers. Bunseki Kagaku, 2005, 54, 439-447.	0.2	3
1738	Terminal Group Analyses of Photopolymerized Products Using a MALDI-TOFMS for the Study On the Two-component Photoinitiators. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2005, 18, 135-140.	0.3	6
1739	Proteomics in nutrition research: principles, technologies and applications. British Journal of Nutrition, 2005, 94, 302-314.	2.3	83
1740	Posttranslational modification of proteins., 2005,,.		0
1741	Multiphoton Chemical Reactions on Liquid Beam Surfaces. Bulletin of the Chemical Society of Japan, 2005, 78, 957-976.	3.2	13
1742	Updating Evidence for Cationization of Polymers in the Gas Phase during Matrix-Assisted Laser Desorption/Ionization. European Journal of Mass Spectrometry, 2005, 11, 23-29.	1.0	22
1743	Letter: Multiply Charged Ions in Matrix-Assisted Laser Desorption/Ionization Generated from Electrosprayed Sample Layers. European Journal of Mass Spectrometry, 2005, 11, 257-259.	1.0	24
1744	Mass Spectrometry of Step-Growth Polymers. European Journal of Mass Spectrometry, 2005, 11, 591-610.	1.0	25
1745	Proteomics In Clinical Laboratory Diagnosis. Advances in Clinical Chemistry, 2005, 39, 159-184.	3.7	5
1746	Bioanalysis. , 2005, , 1-147.		0

#	Article	IF	CITATIONS
1747	Electrospray Ionization with Low-Energy Collisionally Activated Dissociation Tandem Mass Spectrometry of Complex Lipids. , 2005, , .		0
1748	Current Trends in Mass Spectrometry of Synthetic Polymers. Kobunshi, 2005, 54, 817-820.	0.0	0
1749	Oxidation of Ferrocene Derivatives in Desorption/Ionization on Porous Silicon. Analytical Sciences, 2005, 21, 1449-1451.	1.6	7
1750	Development of Structure Analysis Method of Isomeric Oligosaccharides by MALDI-TOF Mass Spectrometry. Bunseki Kagaku, 2005, 54, 983-990.	0.2	2
1751	High laser-fluence deposition of organic materials in water ice matrices by "MAPLE― Applied Surface Science, 2005, 247, 211-216.	6.1	58
1752	Preparation of highly ordered mesoporous WO3–TiO2 as matrix in matrix-assisted laser desorption/ionization mass spectrometry. Microporous and Mesoporous Materials, 2005, 78, 37-41.	4.4	63
1753	Extending the solvent-free MALDI sample preparation method. Journal of the American Society for Mass Spectrometry, 2005, 16, 90-93.	2.8	87
1754	In-situ probing of the biotic-abiotic boundary of plants by laser desorption/ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 107-115.	2.8	20
1755	Quantitation of synthetic polymers using an internal standard by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 100-106.	2.8	38
1756	AP and vacuum MALDI on a QqLIT instrument. Journal of the American Society for Mass Spectrometry, 2005, 16, 176-182.	2.8	54
1757	Atmospheric pressure MALDI-FTMS of normal and chemically modified RNA. Journal of the American Society for Mass Spectrometry, 2005, 16, 199-207.	2.8	16
1758	Carbon nanotubes as adsorbent of solid-phase extraction and matrix for laser desorption/ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 263-270.	2.8	117
1759	Immobilized carbon nanotubes as matrix for MALDI-TOF-MS analysis: Applications to neutral small carbohydrates. Journal of the American Society for Mass Spectrometry, 2005, 16, 333-339.	2.8	159
1760	Optimization of a MALDI TOF-TOF mass spectrometer for intact protein analysis. Journal of the American Society for Mass Spectrometry, 2005, 16, 482-490.	2.8	58
1761	Microwave-assisted enzyme-catalyzed reactions in various solvent systems. Journal of the American Society for Mass Spectrometry, 2005, 16, 581-588.	2.8	89
1762	SO2â^'· electron transfer ion/ion reactions with disulfide linked polypeptide ions. Journal of the American Society for Mass Spectrometry, 2005, 16, 1020-1030.	2.8	101
1763	Using oxidized carbon nanotubes as matrix for analysis of small molecules by MALDI-TOF MS. Journal of the American Society for Mass Spectrometry, 2005, 16, 883-892.	2.8	154
1764	Proton affinity of \hat{l}^2 -oxalylaminoalanine (BOAA): Incorporation of direct entropy correction into the single-reference kinetic method. Journal of the American Society for Mass Spectrometry, 2005, 16, 1151-1161.	2.8	23

#	Article	IF	CITATIONS
1765	Using MESIMS to analyze polymer MALDI matrix solubility. Journal of the American Society for Mass Spectrometry, 2005, 16, 1172-1180.	2.8	29
1766	The role of esterification on detection of protonated and deprotonated peptide ions in matrix assisted laser desorption/ionization (MALDI) mass spectrometry (MS). Journal of the American Society for Mass Spectrometry, 2005, 16, 1269-1274.	2.8	15
1767	Porous anodic alumina membrane as a sample support for MALDI-TOF MS analysis of salt-containing proteins. Journal of the American Society for Mass Spectrometry, 2005, 16, 1488-1492.	2.8	11
1768	The cationization mechanism study of novel oligo (p-phenyleneethynylene)s. Journal of the American Society for Mass Spectrometry, 2005, 16, 1695-1701.	2.8	3
1769	Mapping protein interfaces by a trifunctional cross-linker combined with MALDI-TOF and ESI-FTICR mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 1921-1931.	2.8	81
1770	The design and characteristic features of a new time-of-flight mass spectrometer with a spiral ion trajectory. Journal of the American Society for Mass Spectrometry, 2005, 16, 1969-1975.	2.8	66
1771	Ionic liquid matrix-induced metastable decay of peptides and oligonucleotides and stabilization of phospholipids in MALDI FTMS analyses. Journal of the American Society for Mass Spectrometry, 2005, 16, 2000-2008.	2.8	47
1772	Characterization of a new qQq-FTICR mass spectrometer for post-translational modification analysis and top-down tandem mass spectrometry of whole proteins. Journal of the American Society for Mass Spectrometry, 2005, 16, 1985-1999.	2.8	57
1773	Methods of comparative proteomic profiling for disease diagnostics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 815, 275-284.	2.3	43
1774	System, trends and perspectives of proteomics in dicot plantsPart I: Technologies in proteome establishment. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 815, 109-123.	2.3	54
1775	Adsorption of silanes bearing nitrogenated Lewis bases on SiO2/Si (100) model surfaces. Journal of Colloid and Interface Science, 2005, 286, 303-309.	9.4	9
1776	The curved-field reflectron: PSD and CID without scanning, stepping or lifting. International Journal of Mass Spectrometry, 2005, 240, 169-182.	1.5	13
1777	Ion mobility–mass spectrometry: a new paradigm for proteomics. International Journal of Mass Spectrometry, 2005, 240, 301-315.	1.5	282
1778	Investigation of the mechanism of matrix adduct formation in MALDI at elevated pressure. International Journal of Mass Spectrometry, 2005, 240, 101-105.	1.5	20
1779	Applications, features, and mechanistic aspects of liquid water beam desorption mass spectrometry. International Journal of Mass Spectrometry, 2005, 243, 177-188.	1.5	24
1780	Conformational effects on cationization of poly(ethylene glycol) by alkali metal ions in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. International Journal of Mass Spectrometry, 2005, 247, 85-92.	1.5	20
1781	First analysis of the proteome in two nematomorph species, Paragordius tricuspidatus (Chordodidae) and Spinochordodes tellinii (Spinochordodidae). Infection, Genetics and Evolution, 2005, 5, 167-175.	2.3	21
1782	Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization. Journal of Chromatography A, 2005, 1062, 103-112.	3.7	24

#	Article	IF	CITATIONS
1783	Proteomic LC–MS systems using nanoscale liquid chromatography with tandem mass spectrometry. Journal of Chromatography A, 2005, 1067, 73-83.	3.7	156
1784	Mass spectroscopic and IR spectroscopic evaluation of abnormal biological samples. Vacuum, 2005, 78, 557-562.	3.5	6
1785	Matrix-assisted laser desorption/ionization detection of hemoglobin from long-stored samples of human blood. Vacuum, 2005, 78, 655-660.	3.5	5
1786	New approaches for quantitative analysis in biological fluids using mass spectrometric detection. TrAC - Trends in Analytical Chemistry, 2005, 24, 583-589.	11.4	28
1787	Chemical and biochemical transformations in ionic liquids. Tetrahedron, 2005, 61, 1015-1060.	1.9	687
1788	Diagonal reverse-phase chromatography applications in peptide-centric proteomics: Ahead of catalogue-omics?. Analytical Biochemistry, 2005, 345, 18-29.	2.4	70
1789	Protein fragmentation via liquid chromatography–quadrupole time-of-flight mass spectrometry: The use of limited sequence information in structural characterization. Analytical Biochemistry, 2005, 341, 22-32.	2.4	9
1790	An optimized protein in-gel digest method for reliable proteome characterization by MALDI–TOF–MS analysis. Analytical Biochemistry, 2005, 346, 85-89.	2.4	66
1791	Preparation and characterization of nitrilotriacetic-acid-terminated self-assembled monolayers on gold surfaces for matrix-assisted laser desorption ionization-time of flight-mass spectrometry analysis of proteins and peptides. Analytical Biochemistry, 2005, 345, 258-269.	2.4	24
1792	Rapid drug-screening and quantitation of 3,4-methylenedioxymethamphetamine in urine by MALDI-TOF mass spectrometry. Analytica Chimica Acta, 2005, 546, 193-198.	5. 4	12
1793	Mechanism of ring-opening and elimination cooligomerization of cyclic carbonates and l̂μ-caprolactone: Formation of cyclic cooligomers. European Polymer Journal, 2005, 41, 1478-1483.	5.4	6
1794	On the variation of glycosylation in human plasma derived antithrombin. Journal of Chromatography A, 2005, 1080, 15-21.	3.7	32
1795	Peptide quantification by matrix-assisted laser desorption ionisation time-of-flight mass spectrometry: Investigations of the cyclotide kalata B1 in biological fluids. Journal of Chromatography A, 2005, 1091, 187-193.	3.7	26
1796	Genotyping single nucleotide polymorphisms by MALDI mass spectrometry in clinical applications. Clinical Biochemistry, 2005, 38, 335-350.	1.9	146
1797	Desolvation of enkephalin–H2O clusters ejected from a quickly heated film. Chemical Physics Letters, 2005, 416, 336-341.	2.6	4
1798	A Distinctive Molecular Signature of Multiple Sclerosis Derived from MALDI-TOF/MS and Serum Proteomic Pattern Analysis: Detection of Three Biomarkers. Journal of Molecular Neuroscience, 2005, 25, 119-126.	2.3	24
1799	Desorption/Ionization on Silicon Nanowires. Analytical Chemistry, 2005, 77, 1641-1646.	6.5	250
1800	Surface Modification and Laser Pulse Length Effects on Internal Energy Transfer in DIOS. Journal of Physical Chemistry B, 2005, 109, 24450-24456.	2.6	76

#	Article	IF	CITATIONS
1801	Noncovalent Binding between Guanidinium and Anionic Groups:  Focus on Biological- and Synthetic-Based Arginine/Guanidinium Interactions with Phosph[on]ate and Sulf[on]ate Residues. Chemical Reviews, 2005, 105, 67-114.	47.7	527
1802	Fragmentation of Peptides in MALDI In-Source Decay Mediated by Hydrogen Radicals. Analytical Chemistry, 2005, 77, 172-177.	6.5	125
1803	A perspective on protein profiling of blood. BJU International, 2005, 96, 477-482.	2.5	9
1804	The potential of proteomics and peptidomics for allergy and asthma research. Allergy: European Journal of Allergy and Clinical Immunology, 2005, 60, 1227-1237.	5.7	38
1805	Detection of peptides covalently modified with multiple fatty acids by MALDI-TOF mass spectrometry. Chemical Biology and Drug Design, 2005, 66, 94-100.	1.1	11
1806	Multireflection Planar Time-of-Flight Mass Analyzer. I: An Analyzer for a Parallel Tandem Spectrometer. Technical Physics, 2005, 50, 73.	0.7	52
1808	Miniaturization in functional genomics and proteomics. Nature Reviews Genetics, 2005, 6, 465-476.	16.3	121
1809	Proteomics: An Overview. Inflammatory Bowel Diseases, 2005, 11, 927-936.	1.9	11
1810	Advances in functional protein microarray technology. FEBS Journal, 2005, 272, 5400-5411.	4.7	160
1811	Innovations in Serum and Urine Markers in Prostate Cancer. European Urology, 2005, 48, 1031-1041.	1.9	48
1812	The continuing evolution of shotgun proteomics. Drug Discovery Today, 2005, 10, 719-725.	6.4	74
1813	Imaging mass spectrometry: fundamentals and applications to drug discovery. Drug Discovery Today, 2005, 10, 823-837.	6.4	187
1814	Proteomics of wheat grain. Journal of Cereal Science, 2005, 41, 165-179.	3.7	71
1815	Proteomics in developmental toxicology. Reproductive Toxicology, 2005, 19, 291-304.	2.9	16
1816	Calibration of mass spectrometric peptide mass fingerprint data without specific external or internal calibrants. BMC Bioinformatics, 2005, 6, 203.	2.6	21
1817	Fast prototyping of hydrophobic disposable polymer support arrays for matrix-assisted laser desorption/ionization-time of flight-mass spectrometry of proteins by atmospheric molding. Electrophoresis, 2005, 26, 2835-2842.	2.4	18
1818	Electrospray interfacing of polymer microfluidics to MALDI-MS. Electrophoresis, 2005, 26, 3631-3640.	2.4	37
1819	Amino Acids Analysis by MALDI Mass Spectrometry Using Carbon Nanotube as Matrix. Chinese Journal of Chemistry, 2005, 23, 185-189.	4.9	31

#	Article	IF	Citations
1820	A Direct Glimpse of Cross-Hybridization: Background-Passified Microarrays That Allow Mass-Spectrometric Detection of Captured Oligonucleotides. Angewandte Chemie - International Edition, 2005, 44, 621-625.	13.8	22
1821	Direct Characterization of Enzyme-Substrate Complexes by Using Electrosonic Spray Ionization Mass Spectrometry. Angewandte Chemie - International Edition, 2005, 44, 913-916.	13.8	46
1822	Mass Spectrometric Profiling of Intact Biological Tissue by Using Desorption Electrospray Ionization. Angewandte Chemie - International Edition, 2005, 44, 7094-7097.	13.8	224
1824	Direct Characterization of Enzyme-Substrate Complexes by Using Electrosonic Spray Ionization Mass Spectrometry. Angewandte Chemie, 2005, 117, 935-938.	2.0	3
1827	Proteomics and Anti-Chlamydia Vaccine Discovery. , 2005, , 267-283.		0
1828	Mass Spectrometry in Proteomics. , 2005, , 135-169.		0
1829	Mass spectrometric approaches for the investigation of dynamic processes in condensed phase. Mass Spectrometry Reviews, 2005, 24, 30-54.	5.4	77
1830	Application of Fourier transform ion cyclotron resonance mass spectrometry to oligosaccharides. Mass Spectrometry Reviews, 2005, 24, 232-264.	5.4	140
1831	Intact-protein based sample preparation strategies for proteome analysis in combination with mass spectrometry. Mass Spectrometry Reviews, 2005, 24, 413-426.	5.4	79
1832	Fragmentation pathways of protonated peptides. Mass Spectrometry Reviews, 2005, 24, 508-548.	5.4	993
1833	Internal energy and fragmentation of ions produced in electrospray sources. Mass Spectrometry Reviews, 2005, 24, 566-587.	5.4	284
1834	Applying proteomics technology to platelet research. Mass Spectrometry Reviews, 2005, 24, 918-930.	5.4	51
1835	Proteomics and peptidomics in neuroscience. Experience of capabilities and limitations in a neurochemical laboratory. Journal of Mass Spectrometry, 2005, 40, 202-213.	1.6	29
1836	Analysis of amphetamines and fentanyls by atmospheric pressure desorption/ionization on silicon mass spectrometry and matrix-assisted laser desorption/ionization mass spectrometry and its application to forensic analysis of drug seizures. Journal of Mass Spectrometry, 2005, 40, 539-545.	1.6	43
1837	Measurement of serum salicylate levels by solid-phase extraction and desorption/ionization on silicon mass spectrometry. Journal of Mass Spectrometry, 2005, 40, 1000-1004.	1.6	8
1838	Online microdialysis-dynamic nanoelectrospray ionization-mass spectrometry for monitoring neuropeptide secretion. Journal of Mass Spectrometry, 2005, 40, 924-931.	1.6	27
1839	Molecular recognition by mass spectrometry. Journal of Mass Spectrometry, 2005, 40, 845-865.	1.6	56
1840	Microscale sample deposition onto hydrophobic target plates for trace level detection of neuropeptides in brain tissue by MALDI-MS. Journal of Mass Spectrometry, 2005, 40, 1338-1346.	1.6	28

#	Article	IF	CITATIONS
1841	Ambient mass spectrometry using desorption electrospray ionization (DESI): instrumentation, mechanisms and applications in forensics, chemistry, and biology. Journal of Mass Spectrometry, 2005, 40, 1261-1275.	1.6	773
1842	Surface enhanced laser desorptions ionization-time of flight-mass spectrometry analysis in complex food and biological systems. Molecular Nutrition and Food Research, 2005, 49, 1104-1111.	3.3	16
1843	An Efficient Ionization Method of Electrospray Mass Spectrometry: The Development of an Aromatic-Cored Matrix That Wraps Labile Metal Complexes through Molecular Recognition. Chemistry - A European Journal, 2005, 11, 2519-2524.	3.3	10
1844	Rapid screening and dereplication of bacterial isolates from marine sponges of the Sula Ridge by Intact-Cell-MALDI-TOF mass spectrometry (ICM-MS). Applied Microbiology and Biotechnology, 2005, 67, 539-548.	3.6	141
1845	Chemical cross-linking and FTICR mass spectrometry for protein structure characterization. Analytical and Bioanalytical Chemistry, 2005, 381, 44-47.	3.7	25
1846	Interfacing liquid chromatography with atmospheric pressure MALDI-MS. Analytical and Bioanalytical Chemistry, 2005, 383, 895-902.	3.7	21
1847	Fast fingerprinting by MALDI–TOF mass spectrometry of urinary sediment glycosphingolipids in Fabry disease. Analytical and Bioanalytical Chemistry, 2005, 382, 1209-1216.	3.7	48
1848	Monitoring enzymatic conversions by mass spectrometry: a critical review. Analytical and Bioanalytical Chemistry, 2005, 382, 1451-1464.	3.7	115
1849	Mass spectrometry-based proteomics in the life sciences. Cellular and Molecular Life Sciences, 2005, 62, 848-869.	5.4	96
1850	Quantitative analysis of polypropyleneglycol mixtures by desorption/ionization on porous silicon mass spectrometry. International Journal of Mass Spectrometry, 2005, 241, 43-48.	1.5	33
1851	Overview literature on matrix assisted laser desorption ionization mass spectroscopy (MALDI MS): Basics and its applications in characterizing polymeric materials. Bulletin of Materials Science, 2005, 28, 515-528.	1.7	22
1852	Disease proteomics toward bedside reality. Journal of Gastroenterology, 2005, 40, 7-13.	5.1	11
1853	Application of Mass Spectrometry in Proteomics. Bioscience Reports, 2005, 25, 71-93.	2.4	115
1854	Rapid detection of fetal aneuploidy using proteomics approaches on amniotic fluid supernatant. Prenatal Diagnosis, 2005, 25, 559-566.	2.3	37
1855	Nanoflow liquid chromatography coupled to matrix-assisted laser desorption/ionization mass spectrometry: Sample preparation, data analysis, and application to the analysis of complex peptide mixtures. Proteomics, 2005, 5, 399-408.	2.2	78
1856	Silicone/graphite coating for on-target desalting and improved peptide mapping performance of matrix-assisted laser desorption/ionization-mass spectrometry targets in proteomic experiments. Proteomics, 2005, 5, 1460-1471.	2.2	40
1857	Proteome analysis of Escherichia coli using high-performance liquid chromatography and Fourier transform ion cyclotron resonance mass spectrometry. Proteomics, 2005, 5, 2029-2042.	2.2	12
1858	Proteomic analysis of carbohydrate catabolism and regulation in the marine bacteriumRhodopirellula baltica. Proteomics, 2005, 5, 3672-3683.	2.2	36

#	Article	IF	CITATIONS
1859	Towards the proteome of the marine bacteriumRhodopirellula baltica: Mapping the soluble proteins. Proteomics, 2005, 5, 3654-3671.	2.2	26
1860	Tryptic transpeptidation products observed in proteome analysis by liquid chromatography-tandem mass spectrometry. Proteomics, 2005, 5, 846-852.	2.2	63
1861	Preparation of protein extracts from recalcitrant plant tissues: An evaluation of different methods for two-dimensional gel electrophoresis analysis. Proteomics, 2005, 5, 2497-2507.	2.2	447
1862	ProbIDtree: An automated software program capable of identifying multiple peptides from a single collision-induced dissociation spectrum collected by a tandem mass spectrometer. Proteomics, 2005, 5, 4096-4106.	2.2	70
1863	Proteome imaging: A closer look at life's organization. Proteomics, 2005, 5, 4316-4326.	2.2	17
1864	Synthesis and mass spectrometry characterization of centrally and terminally amine-functionalized polyisobutylenes. Journal of Polymer Science Part A, 2005, 43, 946-958.	2.3	32
1865	Signal enhancement in matrix-assisted laser desorption/ionization by doping with Cu(II) chloride. Rapid Communications in Mass Spectrometry, 2005, 19, 289-291.	1.5	7
1866	Applications of a matrix-assisted laser desorption/ionization orthogonal time-of-flight mass spectrometer. l. Metastable decay and collision-induced dissociation for sequencing peptides. Rapid Communications in Mass Spectrometry, 2005, 19, 213-220.	1.5	12
1867	Electrophoretic ion migration directly to probe can concentrate charged analyte species for matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 424-428.	1.5	5
1868	Structural assignment of isomeric 2-aminopyridine-derivatized oligosaccharides using negative-ion MSn spectral matching. Rapid Communications in Mass Spectrometry, 2005, 19, 937-946.	1.5	24
1869	Matrix-assisted laser desorption/ionization and electrospray ionization mass spectrometric study of 2,3-dihydro-1,4-benzoxazepines. Rapid Communications in Mass Spectrometry, 2005, 19, 1263-1267.	1.5	2
1870	Determination of agrochemical compounds in soya plants by imaging matrix-assisted laser desorption/ionisation mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 2507-2516.	1.5	82
1871	A strategy for distinguishing modified peptides based on post-digestion 180 labeling and mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 2849-2856.	1.5	15
1872	Threshold values for detergents in protein and peptide samples for mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 2986-2988.	1.5	35
1873	Detection and characterization by high-performance liquid chromatography and mass spectrometry of a goatl2-casein associated with a CSN2 null allele. Rapid Communications in Mass Spectrometry, 2005, 19, 2943-2949.	1.5	22
1874	Mechanistic elucidation of the formation of reduced 2-aminopyridine-derivatized oligosaccharides and their application in matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 3607-3611.	1.5	14
1875	Theoretical optimization by genetic algorithm of delayed extraction parameters for a matrix-assisted laser desorption/ionization time-of-flight mass spectrometer. Rapid Communications in Mass Spectrometry, 2005, 19, 3457-3462.	1.5	1
1876	Analysis of three different types of fullerene derivatives by laser desorption/ionization time-of-flight mass spectrometry with new matrices. Rapid Communications in Mass Spectrometry, 2005, 19, 3523-3530.	1.5	19

#	ARTICLE	IF	Citations
1877	Overview of Biological Mass Spectrometry. , 2005, , 87-142.		0
1878	MALDI–TOF and FTIR microscopy analysis of blood serum from diarrhea patients. Spectroscopy, 2005, 19, 101-108.	0.8	4
1879	Analysis of protein interaction and function with a 3-dimensional MALDI-MS protein array. BioTechniques, 2005, 39, 99-107.	1.8	26
1880	Solvent-Free Mass Spectrometry for Hydrophobic Peptide Sequence Analysis and Protein Conformation Studies. BioTechniques, 2005, 39, 799-805.	1.8	11
1882	Time-of-flight mass spectrometry. , 2005, , .		29
1883	Differential Protein Expression Analysis via Liquid-Chromatography/Mass-Spectrometry Data Visualization. , 0, , .		6
1885	Proteomics in Bladder Cancer. , 2005, , 157-184.		0
1886	Proteomics of Signal Transduction Pathways. , 2005, , 417-431.		1
1887	Tandem Mass Spectrometry for Peptide and Protein Sequence Analysis. BioTechniques, 2005, 38, 519-523.	1.8	99
1888	Identification of Protein Structure and its Modifications by Electrospray Mass Spectrometry in Proteomics., 2005,, 179-197.		0
1889	A novel approach for clustering proteomics data using Bayesian fast Fourier transform. Bioinformatics, 2005, 21, 2210-2224.	4.1	55
1890	Epigenomics - Genome Wide Modifications of Cytosine and New Dimensions in Our Understanding of Differentiation and Disease. Current Genomics, 2005, 6, 491-500.	1.6	1
1891	Functional Protein Analysis Using Mass Spectrometry. Current Organic Chemistry, 2005, 9, 875-887.	1.6	1
1892	Activated Surfaces for Laser Desorption Mass Spectrometry: Application for Peptide and Protein Analysis. Current Pharmaceutical Design, 2005, 11, 2559-2576.	1.9	13
1893	Matrix-Assisted Laser Desorption/Ionization Analysis of Non-Covalent Complexes: Fundamentals and Applications. Current Pharmaceutical Design, 2005, 11, 2535-2557.	1.9	62
1894	Application of MALDI-TOF Mass Spectrometry in Screening and Diagnostic Research. Current Pharmaceutical Design, 2005, 11, 2577-2591.	1.9	89
1895	Glycomics and Mass Spectrometry. Current Pharmaceutical Design, 2005, 11, 2615-2645.	1.9	80
1896	Identification and Phenotypic Characterization of Sphingomonas wittichii Strain RW1 by Peptide Mass Fingerprinting Using Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. Applied and Environmental Microbiology, 2005, 71, 2442-2451.	3.1	31

#	Article	IF	CITATIONS
1897	Rheumatology: a close encounter with proteomics. Rheumatology, 2005, 44, 1217-1226.	1.9	18
1898	Functional Screening of Serine Protease Inhibitors in the Medical Leech Hirudo medicinalis Monitored by Intensity Fading MALDI-TOF MS. Molecular and Cellular Proteomics, 2005, 4, 1602-1613.	3.8	29
1899	Difference in Mass Analysis Using Labeled Lysines (DIMAL-K). Molecular and Cellular Proteomics, 2005, 4, 1085-1094.	3.8	25
1900	A Software Suite for the Generation and Comparison of Peptide Arrays from Sets of Data Collected by Liquid Chromatography-Mass Spectrometry. Molecular and Cellular Proteomics, 2005, 4, 1328-1340.	3.8	164
1901	An Overview of Lung Cancer Genomics and Proteomics. American Journal of Respiratory Cell and Molecular Biology, 2005, 32, 169-176.	2.9	149
1902	Polymer microfluidics coupled with maldi mass spectrometry. , 0, , .		0
1904	Integration of MALDI-TOFMS as high-throughput screening tool into the workflow of combinatorial polymer research. Review of Scientific Instruments, 2005, 76, 062211.	1.3	16
1905	Modern Approaches to Age-Old Questions About Thyroid Tumors. Thyroid, 2005, 15, 575-582.	4.5	7
1907	Charge State Estimation for Tandem Mass Spectrometry Proteomics. OMICS A Journal of Integrative Biology, 2005, 9, 233-250.	2.0	13
1909	Mass spectrometry-based approaches to protein–ligand interactions. Expert Review of Proteomics, 2005, 2, 475-485.	3.0	52
1910	Proteomics and Mass Spectrometry. , 2005, , 225-281.		0
1911	Quantum Proteolytic Activation of Chemokine CCL15 by Neutrophil Granulocytes Modulates Mononuclear Cell Adhesiveness. Journal of Immunology, 2005, 175, 1599-1608.	0.8	41
1912	Complete MALDI-ToF MS analysis of cross-linked peptide-RNA oligonucleotides derived from nonlabeled UV-irradiated ribonucleoprotein particles. Rna, 2005, 11, 1915-1930.	3.5	36
1913	Structural and sequence effects in the fragmentation of protonated tripeptides containing tyrosine. Canadian Journal of Chemistry, 2005, 83, 1969-1977.	1.1	2
1914	Molecular Beacon Aptamers for Protein Monitoring in Real-Time and in Homogeneous Solutions. Current Proteomics, 2005, 2, 31-40.	0.3	26
1915	Determination of Sequence-Specific Intrinsic Size Parameters from Cross Sections for 162 Tripeptides. Journal of Physical Chemistry B, 2005, 109, 11802-11809.	2.6	20
1916	Robust accurate identification of peptides (RAId): deciphering MS2 data using a structured library search with de novo based statistics. Bioinformatics, 2005, 21, 3726-3732.	4.1	22
1917	Analysis of Poly(oxyethylene) and Poly(oxypropylene) Triblock Copolymers by MALDI-TOF Mass Spectrometry. Analytical Chemistry, 2005, 77, 3292-3300.	6.5	43

#	Article	IF	CITATIONS
1918	Polylysine-Coated Diamond Nanocrystals for MALDI-TOF Mass Analysis of DNA Oligonucleotides. Analytical Chemistry, 2005, 77, 4273-4277.	6.5	139
1919	Proteomics in the Forefront of Cancer Biomarker Discoveryâ€. Journal of Proteome Research, 2005, 4, 1098-1103.	3.7	40
1920	Chiral molecular recognition for the detection and analysis of enantiomers by mass spectrometric methods. Journal of Separation Science, 2005, 28, 1932-1955.	2.5	72
1921	Imaging Mass Spectrometry: Principles and Potentials. Toxicologic Pathology, 2005, 33, 92-101.	1.8	161
1922	N-Terminal Adducts of Bovine Hemoglobin with Glutaraldehyde in a Hemoglobin-Based Oxygen Carrier. Analytical Chemistry, 2005, 77, 3372-3378.	6.5	12
1923	MALDI-TOF MS Characterization of Carboxyl-End-Capped Polystyrenes Synthesized Using Anionic Polymerization. Macromolecules, 2005, 38, 9950-9956.	4.8	19
1924	The Magic of Cluster SIMS. Analytical Chemistry, 2005, 77, 142 A-149 A.	6.5	439
1925	Charge-state resolved mid-infrared spectroscopy of a gas-phase protein. Physical Chemistry Chemical Physics, 2005, 7, 1345.	2.8	160
1926	Laser induced disruption of bacterial spores on a microchip. Lab on A Chip, 2005, 5, 374.	6.0	11
1927	Improved Chemical Analysis of Cellulose Ethers Using Dialkylamine Derivatization and Mass Spectrometry. Biomacromolecules, 2005, 6, 2793-2799.	5.4	10
1928	Characterization of Dipeptide Isomers by Tandem Mass Spectrometry of Their Mono-versus Dilithiated Complexes. Analytical Chemistry, 2005, 77, 1796-1806.	6.5	18
1929	Combination of Sustained Off-Resonance Irradiation and On-Resonance Excitation in FT-ICR. Analytical Chemistry, 2005, 77, 7626-7638.	6.5	17
1930	Combining H–D exchange and ESI-FAIMS-MS for detecting gas-phase conformers of equine cytochrome c. Canadian Journal of Chemistry, 2005, 83, 1961-1968.	1.1	21
1931	Novel Algorithm for MALDI-TOF Baseline Drift Removal. , 2005, , .		4
1932	The Use of Proteomics to Identify and Characterize Cell Death Proteins., 2005,, 403-434.		0
1933	Recent developments in electrospray ionisation mass spectrometry: noncovalently bound protein complexes. Natural Product Reports, 2005, 22, 452.	10.3	57
1934	A MALDI-chip integrated system with a monitoring window. Lab on A Chip, 2005, 5, 378.	6.0	54
1935	Derivatization Using Dimethylamine for Tandem Mass Spectrometric Structure Analysis of Enzymatically and Acidically Depolymerized Methyl Cellulose. Analytical Chemistry, 2005, 77, 2948-2959.	6.5	26

#	Article	IF	CITATIONS
1936	Differential Protein Expression Analysis via Liquid-Chromatography/Mass-Spectrometry Data Visualization. , 0, , .		4
1937	Requirements for Laser-Induced Desorption/Ionization on Submicrometer Structures. Analytical Chemistry, 2005, 77, 5364-5369.	6.5	95
1938	Detection of DNA Sequence Variations in Homo- and Heterozygous Samples via Molecular Mass Measurements by Electrospray Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2005, 77, 4999-5008.	6.5	37
1939	Direct Molecular Imaging ofLymnaea stagnalisNervous Tissue at Subcellular Spatial Resolution by Mass Spectrometry. Analytical Chemistry, 2005, 77, 735-741.	6.5	182
1940	Analysis of Gangliosides Directly from Thin-Layer Chromatography Plates by Infrared Matrix-Assisted Laser Desorption/Ionization Orthogonal Time-of-Flight Mass Spectrometry with a Glycerol Matrix. Analytical Chemistry, 2005, 77, 4098-4107.	6.5	127
1941	High-Performance SPME/AP MALDI System for High-Throughput Sampling and Determination of Peptides. Analytical Chemistry, 2005, 77, 8095-8101.	6.5	35
1942	Mass Analysis of Mobility-Selected Ion Populations Using Dual Gate, Ion Mobility, Quadrupole Ion Trap Mass Spectrometry. Analytical Chemistry, 2005, 77, 5877-5885.	6.5	79
1943	Simultaneous Analysis of 2-Aminopyridine-Derivatized Neutral and Sialylated Oligosaccharides from Human Serum in the Negative-Ion Mode by Sonic Spray Ionization Ion Trap Mass Spectrometry. Analytical Chemistry, 2005, 77, 2097-2106.	6.5	37
1944	On-Probe Sample Preparation without Washes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Using an Anion Exchange Medium. Analytical Chemistry, 2005, 77, 5750-5754.	6.5	10
1945	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Interlaboratory Comparison of Mixtures of Polystyrene with Different End Groups:Â Statistical Analysis of Mass Fractions and Mass Moments. Analytical Chemistry, 2005, 77, 4539-4548.	6.5	18
1946	Matrix Implanted Laser Desorption Ionization (MILDI) Combined with Ion Mobility-Mass Spectrometry for Bio-Surface Analysis. Journal of Proteome Research, 2005, 4, 540-545.	3.7	44
1947	Reagent Anions for Charge Inversion of Polypeptide/Protein Cations in the Gas Phase. Analytical Chemistry, 2005, 77, 3173-3182.	6.5	50
1948	MALDI-TOF Detection of Olefin Structural Isomerization in Metathesis Chemistry. Macromolecules, 2005, 38, 5878-5885.	4.8	38
1949	Analysis of Megadalton Ions Using Cryodetection MALDI Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2005, 77, 4329-4337.	6.5	125
1950	Gas-Phase Ion/Ion Reactions of Multiply Protonated Polypeptides with Metal Containing Anions. Journal of Physical Chemistry A, 2005, 109, 3608-3616.	2.5	31
1951	Molecular Weight Determination of Peptides and Proteins by ESI and MALDI. Methods in Enzymology, 2005, 405, 1-36.	1.0	48
1952	Derivatization for Stabilizing Sialic Acids in MALDI-MS. Analytical Chemistry, 2005, 77, 4962-4968.	6.5	165
1953	STEP (Statistical Test of Equivalent Pathways) Analysis:  A Mass Spectrometric Method for Carbohydrates and Peptides. Analytical Chemistry, 2005, 77, 5886-5893.	6.5	6

#	Article	IF	CITATIONS
1954	Nanoprobe-Based Affinity Mass Spectrometry for Selected Protein Profiling in Human Plasma. Analytical Chemistry, 2005, 77, 5990-5997.	6.5	77
1955	Structural Analysis of an N-Glycan with "β1â^³4 Bisecting Branch―from Human Serum IgG by Negative-Ion MSn Spectral Matching and Exoglycosidase Digestion. Analytical Chemistry, 2005, 77, 6062-6068.	6.5	37
1956	Protein Conformations, Interactions, and H/D Exchange. Methods in Enzymology, 2005, 402, 312-360.	1.0	72
1957	Chemical Cross-Linking and High-Performance Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for Protein Interaction Analysis:Â Application to a Calmodulin/Target Peptide Complex. Analytical Chemistry, 2005, 77, 495-503.	6.5	70
1958	Size-Selected (2â^'10 nm) Gold Nanoparticles for Matrix Assisted Laser Desorption Ionization of Peptides. Journal of the American Chemical Society, 2005, 127, 5304-5305.	13.7	370
1959	Matrix-assisted laser desorption/ionisation aerosol time-of-flight mass spectrometry for the analysis of bioaerosols: development of a fast detector for airborne biological pathogens. Journal of Aerosol Science, 2005, 36, 677-687.	3.8	78
1960	NAD-, NMN-, and NADP-dependent modification of dinitrogenase reductases fromRhodospirillum rubrumandAzotobacter vinelandii. FEBS Letters, 2005, 579, 5751-5758.	2.8	5
1961	Functional Genomics meets neurodegenerative disorders. Progress in Neurobiology, 2005, 76, 153-168.	5.7	33
1962	Rapid drug-screening of clandestine tablets by MALDI-TOF mass spectrometry. Talanta, 2005, 67, 718-724.	5 . 5	27
1963	Averaging peak-to-peak voltage detector for absolute mass determination of single particles with quadrupole ion traps. Review of Scientific Instruments, 2005, 76, 023108.	1.3	11
1964	Advances in analytical methodology for bioinorganic speciation analysis: metallomics, metalloproteomics and heteroatom-tagged proteomics and metabolomics. Analyst, The, 2005, 130, 442.	3 . 5	371
1965	In-Source and Postsource Decay in Negative-Ion Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Neutral Oligosaccharides. Analytical Chemistry, 2005, 77, 1701-1707.	6.5	51
1966	Comparative proteomics using 2-D gel electrophoresis and mass spectrometry as tools to dissect stimulons and regulons in bacteria with sequenced or partially sequenced genomes. Biological Procedures Online, 2005, 7, 117-135.	2.9	39
1967	Spatial and Spectral Correlations in MALDI Mass Spectrometry Images by Clustering and Multivariate Analysis. Analytical Chemistry, 2005, 77, 6118-6124.	6.5	166
1968	Identification of Peptides Using Gold Nanoparticle-Assisted Single-Drop Microextraction Coupled with AP-MALDI Mass Spectrometry. Analytical Chemistry, 2005, 77, 7380-7385.	6. 5	106
1969	Simple and Robust Two-Layer Matrix/Sample Preparation Method for MALDI MS/MS Analysis of Peptides. Journal of Proteome Research, 2005, 4, 1709-1716.	3.7	30
1970	Chapter 4 Two-dimensional gel electrophoresis: the state of the art. Comprehensive Analytical Chemistry, 2005, 46, 253-274.	1.3	0
1971	Chapter 2 Capillary high-performance liquid chromatography for proteomic and peptidomic analysis. Comprehensive Analytical Chemistry, 2005, , 69-148.	1.3	1

#	Article	IF	CITATIONS
1972	Chapter 8 High-resolution mass spectrometric approaches to glycoprotein characterization. Comprehensive Analytical Chemistry, 2005, , 411-428.	1.3	0
1973	Chapter 10 Technologies interfacing capillary electrophoresis to mass spectrometry. Comprehensive Analytical Chemistry, 2005, 46, 449-485.	1.3	2
1974	Chapter 9 Mass spectrometry for protein identification. Comprehensive Analytical Chemistry, 2005, 46, 429-447.	1.3	0
1975	Chapter 14 Proteomics and remodeling of extracellular matrix in lung diseases. Comprehensive Analytical Chemistry, 2005, 46, 535-556.	1.3	0
1976	Chapter 15 Mammalian cell biology and proteomics. Comprehensive Analytical Chemistry, 2005, 46, 557-596.	1.3	0
1977	Hybrid Quadrupole/Timeâ€ofâ€Flight Mass Spectrometers for Analysis of Biomolecules. Methods in Enzymology, 2005, 402, 49-78.	1.0	30
1978	Mass Spectrometers for the Analysis of Biomolecules. Methods in Enzymology, 2005, 402, 3-48.	1.0	30
1979	MALDI Mass Spectrometry for Direct Tissue Analysis: A New Tool for Biomarker Discoveryâ€. Journal of Proteome Research, 2005, 4, 1138-1142.	3.7	104
1980	Computational estimates of the gas-phase basicities, proton affinities and ionization potentials of the six isomers of dihydroxybenzoic acid. Molecular Physics, 2005, 103, 183-189.	1.7	24
1981	Behavioural manipulation in a grasshopper harbouring hairworm: a proteomics approach. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2117-2126.	2.6	115
1982	New Insights into Self-Organization of a Model Lipid Mixture and Quantification of Its Adsorption on Spherical Polymer Particles. Langmuir, 2005, 21, 9901-9910.	3.5	58
1983	Proteomics: A Paradigm Shift. Critical Reviews in Biotechnology, 2005, 25, 173-198.	9.0	23
1984	Fundamental Mass Spectrometry. , 2005, , 29-63.		2
1985	Proteomics. Methods in Enzymology, 2005, 402, 245-289.	1.0	36
1987	Aflatoxin Screening by MALDI-TOF Mass Spectrometry. Analytical Chemistry, 2005, 77, 8155-8157.	6.5	62
1988	Instrumental Parameters in the MALDI-TOF Mass Spectrometric Analysis of Quaternary Protein Structures. Analytical Chemistry, 2005, 77, 103-110.	6.5	34
1989	Characterization and Performance of MALDI on a Triple Quadrupole Mass Spectrometer for Analysis and Quantification of Small Molecules. Analytical Chemistry, 2005, 77, 5643-5654.	6.5	112
1990	Quantitation of Trace Metals in Liquid Samples by Dried-Droplet Laser Ablation Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2005, 77, 2971-2977.	6.5	40

#	Article	IF	CITATIONS
1991	Multidimensional protein identification technology: current status and future prospects. Expert Review of Proteomics, 2005, 2, 27-39.	3.0	35
1992	Solâ^'Gel Derived Potentiometric pH Sensors. Analytical Chemistry, 2005, 77, 848-853.	6.5	23
1993	High-throughput proteomics using matrix-assisted laser desorption/ ionization mass spectrometry. Expert Review of Proteomics, 2005, 2, 407-420.	3.0	31
1995	Recent developments in ion-trap mass spectrometry and related technologies. Expert Review of Proteomics, 2006, 3, 143-151.	3.0	25
1996	Proteomic dissection of DNA polymerization. Expert Review of Proteomics, 2006, 3, 197-211.	3.0	11
1997	Mass spectrometry-based immunoassays for the next phase of clinical applications. Expert Review of Proteomics, 2006, 3, 631-640.	3.0	43
2001	Functionality Dependent Olefin Activity in Acyclic Diene Metathesis Polymerization:Â Mass Spectrometry Characterization of Amino Acid Functionalized Olefins. Analytical Chemistry, 2006, 78, 3624-3631.	6.5	17
2002	Nonretentive Solid-Phase Extraction of Phosphorylated Peptides from Complex Peptide Mixtures for Detection by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2006, 78, 7027-7033.	6.5	14
2005	â€Top-down' characterization of site-directed mutagenesis products of Staphylococcus aureus dihydroneopterin aldolase by multistage tandem mass spectrometry in a linear quadrupole ion trap. Analyst, The, 2006, 131, 291-302.	3.5	9
2006	Mass Spectrometry: Uncovering the Cancer Proteome for Diagnostics. Advances in Cancer Research, 2006, 96, 23-50.	5.0	64
2007	Alternative workflows for plant proteomic analysis. Molecular BioSystems, 2006, 2, 621.	2.9	24
2008	The Novel Stochastic Bernstein Method of Functional Approximation. , 2006, , .		8
2009	Mass Spectrometric Identification of Proteins in Complex Post-Genomic Projects. Journal of Molecular Microbiology and Biotechnology, 2006, 11, 53-81.	1.0	29
2010	Visual analysis of gel-free proteome data. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 497-508.	4.4	15
2011	Block Lengths and Block Sequence of Linear Triblock and Glycerol Derivative Diblock Copolyethers by Electrospray Ionizationâ^*Collision-Induced Dissociation Mass Spectrometry. Analytical Chemistry, 2006, 78, 1801-1806.	6.5	30
2012	Biomarkers in cancer screening, research and detection: present and future: a review. Biomarkers, 2006, 11, 385-405.	1.9	112
2013	Spectroscopy of Neutral Peptides in the Gas Phase: Structure, Reactivity, Microsolvation, Molecular Recognition., 2006, , 1-61.		1
2014	Protein Structure and Folding in the Gas Phase: Ubiquitin and Cytochrome c. , 2006, , 177-212.		16

#	Article	IF	CITATIONS
2015	Intramolecular Vibrational Energy Redistribution and Ergodicity of Biomolecular Dissociation. , 2006, , 239-275.		3
2016	Probing the Electronic Structure of FeS Clusters: Ubiquitous Electron Transfer Centers in Metalloproteins Using Anion Photoelectron Spectroscopy in the Gas Phase., 2006,, 63-117.		3
2017	Cold Beams of Biomolecules for Quantum Optics. Acta Physica Hungarica A Heavy Ion Physics, 2006, 26, 87-94.	0.4	6
2018	Protein cleavage strategies for an improved analysis of the membrane proteome. Proteome Science, 2006, 4, 2.	1.7	87
2019	Ion formation mechanisms in UV-MALDI. Analyst, The, 2006, 131, 966.	3.5	380
2020	Surface-assisted laser desorption/ionization mass spectrometry. Expert Review of Proteomics, 2006, 3, 153-161.	3.0	47
2021	Introduction to Proteomics., 2007, 367, 1-36.		7
2022	Peptide Mass Fingerprinting: Identification of Proteins by MALDI-TOF., 2007, 355, 219-234.		10
2023	Methods for proteomics in neuroscience. Progress in Brain Research, 2006, 158, 41-82.	1.4	69
2024	Mixed Monolayer-Protected Gold Nanoclusters as Selective Peptide Extraction Agents for MALDI-MS Analysis. Analytical Chemistry, 2006, 78, 5491-5496.	6.5	79
2025	MALDI-MS Direct Tissue Analysis of Proteins:Â Improving Signal Sensitivity Using Organic Treatments. Analytical Chemistry, 2006, 78, 7145-7153.	6.5	170
2026	Mass Spectrometry and Biosensing Research. , 2006, , 67-78.		0
2027	Nile Red-Adsorbed Gold Nanoparticle Matrixes for Determining Aminothiols through Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2006, 78, 1485-1493.	6.5	210
2028	Use of Nitrocellulose Membranes for Protein Characterization by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2006, 78, 5102-5108.	6.5	52
2029	Structural Characterization of in Vitro and in Vivo Intermediates on the Loading Module of Microcystin Synthetase. ACS Chemical Biology, 2006, 1, 93-102.	3.4	50
2030	Molecular Properties and Activities of Tuber Proteins from Starch Potato Cv. Kuras. Journal of Agricultural and Food Chemistry, 2006, 54, 9389-9397.	5.2	44
2031	Comparison of MS/MS Methods for Protein Identification from 2D-PAGE. Journal of Proteome Research, 2006, 5, 2294-2300.	3.7	9
2032	Sample Preparation for MALDI Mass Spectrometry Using an Elastomeric Device Reversibly Sealed on the MALDI Target. Analytical Chemistry, 2006, 78, 6160-6168.	6.5	19

#	ARTICLE	IF	Citations
2033	Biocompatible Surface Preparation Using Amino-Functionalized Amylose. Biomacromolecules, 2006, 7, 1429-1432.	5 . 4	10
2034	Adjustable Fragmentation in Laser Desorption/Ionization from Laser-Induced Silicon Microcolumn Arrays. Analytical Chemistry, 2006, 78, 5835-5844.	6.5	90
2035	Use of a 2,5-Dihydroxybenzoic Acid/Aniline MALDI Matrix for Improved Detection and On-Target Derivatization of Glycans:Â A Preliminary Report. Analytical Chemistry, 2006, 78, 8561-8568.	6.5	57
2036	Coupling Desorption Electrospray Ionization with Ion Mobility/Mass Spectrometry for Analysis of Protein Structure:Â Evidence for Desorption of Folded and Denatured States. Journal of Physical Chemistry B, 2006, 110, 5045-5051.	2.6	116
2037	Automated Intensity Descent Algorithm for Interpretation of Complex High-Resolution Mass Spectra. Analytical Chemistry, 2006, 78, 5006-5018.	6.5	21
2038	Comparison of Vacuum Matrix-Assisted Laser Desorption/Ionization (MALDI) and Atmospheric Pressure MALDI (AP-MALDI) Tandem Mass Spectrometry of 2-Dimensional Separated and Trypsin-Digested Glomerular Proteins for Database Search Derived Identification. Journal of Proteome Research, 2006, 5. 1967-1978.	3.7	20
2039	Ion Trap versus Low-Energy Beam-Type Collision-Induced Dissociation of Protonated Ubiquitin Ions. Analytical Chemistry, 2006, 78, 1218-1227.	6.5	42
2040	Synthesis of a Polyelectrolyte and Its Applications in Laser Desorption/Ionization. Analytical Chemistry, 2006, 78, 459-469.	6.5	8
2041	Detection, Confirmation, and Quantification of Staphylococcal Enterotoxin B in Food Matrixes Using Liquid Chromatographyâ^'Mass Spectrometry. Analytical Chemistry, 2006, 78, 1789-1800.	6.5	58
2042	Characterization of a Poly(fluorooxetane) and Poly(fluorooxetane-co-THF) by MALDI Mass Spectrometry, Size Exclusion Chromatography, and NMR Spectroscopy. Macromolecules, 2006, 39, 8369-8378.	4.8	38
2043	Direct Protein Detection from Biological Media through Electrospray-Assisted Laser Desorption lonization/Mass Spectrometry. Journal of Proteome Research, 2006, 5, 1107-1116.	3.7	119
2044	Detailed Map of Oxidative Post-Translational Modifications of Human P21Ras Using Fourier Transform Mass Spectrometry. Analytical Chemistry, 2006, 78, 5134-5142.	6.5	32
2045	Simultaneous Mass Analysis of Positive and Negative Ions Using a Dual-Polarity Time-of-Flight Mass Spectrometer. Analytical Chemistry, 2006, 78, 7729-7734.	6.5	23
2046	Sequence-Specific Retention Calculator. Algorithm for Peptide Retention Prediction in Ion-Pair RP-HPLC:Â Application to 300- and 100-Ã Pore Size C18 Sorbents. Analytical Chemistry, 2006, 78, 7785-7795.	6.5	213
2047	Ozone in Ambient Air as a Source of Adventitious Oxidation. A Mass Spectrometric Study. Analytical Chemistry, 2006, 78, 4352-4362.	6.5	43
2048	SearchXLinks. A Program for the Identification of Disulfide Bonds in Proteins from Mass Spectra. Analytical Chemistry, 2006, 78, 1235-1241.	6.5	38
2049	Proton Affinity of Canavanine and Canaline, Oxyanalogues of Arginine and Ornithine, from the Extended Kinetic Method. Journal of Physical Chemistry A, 2006, 110, 11501-11508.	2.5	14
2050	Kinetic Energy of Free Electrons Affects MALDI Positive Ion Yield via Capture Cross-Section. Journal of Physical Chemistry A, 2006, 110, 926-930.	2.5	20

#	Article	IF	CITATIONS
2051	Profiling Signaling Peptides in Single Mammalian Cells Using Mass Spectrometry. Analytical Chemistry, 2006, 78, 7267-7272.	6.5	96
2052	Detection of Noncovalent Complexes in Biological Samples by Intensity Fading and High-Mass Detection MALDI-TOF Mass Spectrometry. Journal of Proteome Research, 2006, 5, 2711-2719.	3.7	28
2054	Infrared Multiphoton Dissociation Spectroscopic Analysis of Peptides and Oligosaccharides by Using Fourier Transform Ion Cyclotron Resonance Mass Spectrometry with a Midinfrared Free-Electron Laser. Journal of Physical Chemistry B, 2006, 110, 16111-16116.	2.6	22
2055	Transfer of Structural Elements from Compact to Extended States in Unsolvated Ubiquitin. Journal of the American Chemical Society, 2006, 128, 11713-11719.	13.7	86
2056	Mass spectrometry technologies for proteomics. Briefings in Functional Genomics & Proteomics, 2006, 4, 295-320.	3.8	102
2057	Typing of single nucleotide polymorphisms by MALDI mass spectrometry: Principles and diagnostic applications. Clinica Chimica Acta, 2006, 363, 95-105.	1.1	39
2058	Proteome analysis of signaling cascades in human platelets. Blood Cells, Molecules, and Diseases, 2006, 36, 152-156.	1.4	35
2059	Modifications of milk constituents during processing: A preliminary benchmarking study. International Dairy Journal, 2006, 16, 728-739.	3.0	137
2060	Physico-chemical and biological characterizations of two human prolactin analogs exhibiting controversial bioactivity, synthesized in Chinese hamster ovary (CHO) cells. Protein Expression and Purification, 2006, 48, 182-194.	1.3	17
2061	Development of a multi-frequency laser for use in MALDI-TOFMS. Talanta, 2006, 68, 673-678.	5.5	6
2062	Protection of rabbits against cutaneous papillomavirus infection using recombinant tobacco mosaic virus containing L2 capsid epitopes. Vaccine, 2006, 24, 5516-5525.	3.8	68
2063	TMV-peptide fusion vaccines induce cell-mediated immune responses and tumor protection in two murine models. Vaccine, 2006, 24, 6414-6423.	3.8	63
2064	Adaptive cellular mechanisms in response to Glutamine-starvation. Frontiers in Bioscience - Landmark, 2006, 11, 11.	3.0	19
2065	Proteomic Analysis by Two-Dimensional Polyacrylamide Gel Electrophoresis. , 2006, , 19-46.		1
2067	Advancing proteomics with ion/ion chemistry. BioTechniques, 2006, 40, 783-789.	1.8	46
2068	Analysis of Carbohydrates/Glycoproteins by Mass Spectrometry. , 2006, , 415-425.		12
2069	Design and performance of a matrix-assisted laser desorption/ionization tandem time-of-flight mass spectrometer. Brazilian Journal of Physics, 2006, 36, 789-794.	1.4	2
2076	Advances of LC-MS and CZE-MS in proteome analysis. , 2006, , .		O

#	Article	IF	CITATIONS
2077	Pregnane Glycosides. Natural Product Communications, 2006, 1, 1934578X0600100.	0.5	10
2079	Protein Folding Mechanisms Studied by Time-Resolved Electrospray Mass Spectrometry. BioTechniques, 2006, 40, 135-141.	1.8	21
2082	Development of Anion Exchange Chromatography for Proteome Analysis and Its Application to Detection of Membrane Proteins of the Hyper-Thermophilic Crenarchaeon, Aeropyrum pernix K1. Bunseki Kagaku, 2006, 55, 963-968.	0.2	0
2085	Derivatization in Mass Spectrometry—8. Soft Ionization Mass Spectrometry of Small Molecules. European Journal of Mass Spectrometry, 2006, 12, 79-115.	1.0	95
2088	Chapter 3.2 Microdialysis coupled with liquid chromatography/mass spectrometry. Handbook of Behavioral Neuroscience, 2006, 16, 251-266.	0.7	0
2089	MALDI-TOF Baseline Drift Removal Using Stochastic Bernstein Approximation. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.7	16
2090	Single Cell Proteomics: Challenge for Current Analytical Science. Current Analytical Chemistry, 2006, 2, 67-76.	1.2	10
2091	Frequency Scan of a Quadrupole Mass Analyzer in the Third Stability Region for Protein Analysis. Journal of the Chinese Chemical Society, 2006, 53, 47-52.	1.4	5
2092	Metallocene Catalysts for Olefin Oligomerization. Macromolecular Symposia, 2006, 236, 14-22.	0.7	49
2093	Identification and Characterization of DNA-Binding Proteins by Mass Spectrometry. , 2007, 104, 111-195.		3
2096	Cooperative effect of factors governing molecular ion yields in desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 376-382.	1.5	39
2097	Structural assignment of isomeric 2-aminopyridine-derivatized monosialylated biantennary N-linked oligosaccharides using negative-ion multistage tandem mass spectral matching. Rapid Communications in Mass Spectrometry, 2006, 20, 412-418.	1.5	39
2098	Identification of isoenzymes using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 725-732.	1.5	9
2099	The use of desorption/ionization on porous silicon mass spectrometry for the detection of negative ions for fatty acids. Rapid Communications in Mass Spectrometry, 2006, 20, 680-684.	1.5	51
2100	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry with size-exclusion chromatographic fractionation for structural characterization of synthetic aliphatic copolyesters. Rapid Communications in Mass Spectrometry, 2006, 20, 804-814.	1.5	36
2101	Complementary structural information of positive- and negative-ion MSn spectra of glycopeptides with neutral and sialylated N-glycans. Rapid Communications in Mass Spectrometry, 2006, 20, 741-746.	1.5	33
2102	2,5-Dihydroxyacetophenone: a matrix for highly sensitive matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis of proteins using manual and automated preparation techniques. Rapid Communications in Mass Spectrometry, 2006, 20, 785-789.	1.5	49
2103	Laser desorption/ionization and laser ablation synthesis of new selenium oxide compounds from selenium(IV) dioxide. Rapid Communications in Mass Spectrometry, 2006, 20, 1019-1024.	1.5	7

#	Article	IF	Citations
2104	Detection and characterization by high-performance liquid chromatography and mass spectrometry of two truncated goatl±s2-caseins. Rapid Communications in Mass Spectrometry, 2006, 20, 1061-1070.	1.5	11
2105	Separation and measurement of flame-formed high molecular weight polycyclic aromatic hydrocarbons by size-exclusion chromatography and laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 1104-1108.	1.5	32
2106	Derivatization by 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate for enhancing the ionization yield of small peptides and glycopeptides in matrix-assisted laser desorption/ionization and electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 1469-1479.	1.5	43
2107	Deconvolution filters to enhance resolution of dense time-of-flight survey spectra in the time-lag optimization range. Rapid Communications in Mass Spectrometry, 2006, 20, 1661-1669.	1.5	8
2108	Iminodiacetic acid derivatized porous silicon as a matrix support for sample pretreatment and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis. Rapid Communications in Mass Spectrometry, 2006, 20, 1769-1775.	1.5	20
2109	Signal enhancement on laser desorption/ionization using alkali dihydroxybenzoic acid salts as cationizing agents. Rapid Communications in Mass Spectrometry, 2006, 20, 2063-2066.	1.5	2
2110	Usefulness of an integrated microfluidic device (HPLC-Chip-MS) to enhance confidence in protein identification by proteomics. Rapid Communications in Mass Spectrometry, 2006, 20, 3236-3244.	1.5	53
2111	Direct high-resolution peptide and protein analysis by desorption electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 3409-3411.	1.5	80
2112	Molecular weight determination of ultra-high mass compounds on a standard matrix-assisted laser desorption/ionization time-of-flight mass spectrometer: PAMAM dendrimer generation 10 and immunoglobulin M. Rapid Communications in Mass Spectrometry, 2006, 20, 3803-3806.	1.5	20
2113	New potentially biodegradable polyurethanes. Polymers for Advanced Technologies, 2006, 17, 945-953.	3.2	17
2114	DIGE compatible labelling of surface proteins on vital cellsin vitro andin vivo. Proteomics, 2006, 6, 579-585.	2.2	34
2115	Identification of breast cancer metastasis-associated proteins in an isogenic tumor metastasis model using two-dimensional gel electrophoresis and liquid chromatography-ion trap-mass spectrometry. Proteomics, 2006, 6, 3352-3368.	2.2	135
2116	Gel-free mass spectrometry-based high throughput proteomics: Tools for studying biological response of proteins and proteomes. Proteomics, 2006, 6, 4678-4687.	2.2	131
2117	Comprehensive quantitative proteome analysis of 20S proteasome subtypes from rat liver by isotope coded affinity tag and 2-D gel-based approaches. Proteomics, 2006, 6, 4622-4632.	2.2	50
2118	The use of mass spectrometry for the proteomic analysis of glycosylation. Proteomics, 2006, 6, 3993-4015.	2.2	201
2119	Mass spectrometry-based proteomics for the detection of plant pathogens. Proteomics, 2006, 6, 4069-4075.	2.2	27
2120	The pitfalls of proteomics experiments without the correct use of bioinformatics tools. Proteomics, 2006, 6, 5577-5596.	2.2	87
2121	Discrimination of intact mycobacteria at the strain level: A combined MALDI-TOF MS and biostatistical analysis. Proteomics, 2006, 6, 6416-6425.	2.2	113

#	Article	IF	CITATIONS
2122	'Suicide' of crickets harbouring hairworms: a proteomics investigation. Insect Molecular Biology, 2006, 15, 731-742.	2.0	83
2123	Single-nucleotide polymorphisms: analysis by mass spectrometry. Nature Protocols, 2006, 1, 1761-1771.	12.0	24
2124	Proteomics for the early detection and treatment of hepatocellular carcinoma. Oncogene, 2006, 25, 3810-3817.	5.9	69
2125	Quantitative analysis of free fatty acids in rat plasma using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry with meso-tetrakis porphyrin as matrix. Analytical Biochemistry, 2006, 354, 182-191.	2.4	35
2126	Improved analysis of membrane protein by PVDF-aided, matrix-assisted laser desorption/ionization mass spectrometry. Analytica Chimica Acta, 2006, 556, 237-246.	5.4	12
2127	Global methods for protein glycosylation analysis by mass spectrometry. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1870-1880.	2.3	74
2128	Two-dimensional mass spectrometric mapping. Current Opinion in Chemical Biology, 2006, 10, 35-41.	6.1	18
2129	Metallocene and related catalysts for olefin, alkyne and silane dimerization and oligomerization. Coordination Chemistry Reviews, 2006, 250, 66-94.	18.8	199
2130	Analysis on heat stress-induced hyperphosphorylation of stathmin at serine 37 in Jurkat cells by means of two-dimensional gel electrophoresis and tandem mass spectrometry. Journal of Chromatography A, 2006, 1106, 181-189.	3.7	10
2131	Gas phase ion formation from a liquid beam of arginine in aqueous solution by IR multiphoton excitation. Chemical Physics Letters, 2006, 420, 18-23.	2.6	10
2132	The photophysics of some UV-MALDI matrices studied by using spectroscopic, photoacoustic and luminescence techniques. Chemical Physics Letters, 2006, 426, 334-340.	2.6	16
2133	Particle emission from polymer-doped water ice matrices induced by non-linear absorption of laser light at 1064nm. Chemical Physics Letters, 2006, 427, 251-254.	2.6	15
2134	Determination by MALDI-TOF MS of the structures obtained from polytransesterification of diethyl 2,6-pyridinedicarboxylate and poly(ethylene glycol). European Polymer Journal, 2006, 42, 126-132.	5.4	3
2135	Towards a molecular characterization of pharmaceutical excipients: Mass spectrometric studies of ethoxylated surfactants. International Journal of Pharmaceutics, 2006, 319, 1-12.	5. 2	34
2136	Determination of the location of positive charges in gas-phase polypeptide polycations by tandem mass spectrometry. International Journal of Mass Spectrometry, 2006, 252, 204-212.	1.5	34
2137	Differentiation of some positional and diastereomeric isomers of Boc-carbo- \hat{l}^2 3 dipeptides containing galactose, xylose and mannose sugars by electrospray ionization tandem mass spectrometry (ESI) Tj ETQq1 1 0.7	′8 4. 514 rg	BT1 k Overlock
2138	Charge-state dependent dissociation of a trypsin/inhibitor complex via ion trap collisional activation. International Journal of Mass Spectrometry, 2006, 253, 147-155.	1.5	7
2139	Structural characterization of peptides via tandem mass spectrometry of their dilithiated monocations. International Journal of Mass Spectrometry, 2006, 249-250, 45-59.	1.5	13

#	Article	IF	CITATIONS
2140	The fragmentation of protonated tyrosine and iodotyrosines: The effect of substituents on the losses of NH3 and of H2O and CO. International Journal of Mass Spectrometry, 2006, 255-256, 265-278.	1.5	28
2141	Exploration of gold nanoparticle beams for matter wave interferometry. Optics Communications, 2006, 264, 326-332.	2.1	25
2142	The contribution of mass spectrometry to the biosciences. Applied Surface Science, 2006, 252, 6404-6408.	6.1	2
2143	Improvements in SIMS continue. Applied Surface Science, 2006, 252, 6836-6843.	6.1	68
2144	Proteomic analysis of phosphorylation, oxidation and nitrosylation in signal transduction. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1823-1841.	2.3	78
2145	Monitoring the neuropeptide metabolites by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2006, 40, 136-141.	2.8	6
2146	Analysis of native milk oligosaccharides directly from thin-layer chromatography plates by matrix-assisted laser desorption/ionization orthogonal-time-of-flight mass spectrometry with a glycerol matrix. Journal of the American Society for Mass Spectrometry, 2006, 17, 139-150.	2.8	62
2147	The fragmentation of ethoxylated surfactants by AP-MALDI-QIT. Journal of the American Society for Mass Spectrometry, 2006, 17, 453-458.	2.8	29
2148	Identification of mammalian cell lines using MALDI-TOF and LC-ESI-MS/MS mass spectrometry. Journal of the American Society for Mass Spectrometry, 2006, 17, 490-499.	2.8	50
2149	Orthogonal extraction ion mobility spectrometry. Journal of the American Society for Mass Spectrometry, 2006, 17, 500-507.	2.8	10
2150	Three-layer matrix/sample preparation method for MALDI MS analysis of low nanomolar protein samples. Journal of the American Society for Mass Spectrometry, 2006, 17, 780-785.	2.8	40
2151	Influence of the matrix on analyte fragmentation in atmospheric pressure MALDI. Journal of the American Society for Mass Spectrometry, 2006, 17, 1005-1013.	2.8	57
2152	Isotope-labeled cross-linkers and fourier transform ion cyclotron resonance mass spectrometry for structural analysis of a protein/peptide complex. Journal of the American Society for Mass Spectrometry, 2006, 17, 1100-1113.	2.8	72
2153	Sub part-per-million mass accuracy by using stepwise-external calibration in fourier transform ion cyclotron resonance mass spectrometry. Journal of the American Society for Mass Spectrometry, 2006, 17, 1681-1691.	2.8	30
2154	Generation and detection of multiply-charged peptides and proteins by matrix-assisted laser desorption electrospray ionization (MALDESI) fourier transform ion cyclotron resonance mass spectrometry. Journal of the American Society for Mass Spectrometry, 2006, 17, 1712-1716.	2.8	336
2155	Mass spectrometry for congenital disorders of glycosylation, CDG. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 838, 3-8.	2.3	49
2156	A computational study of the thermodynamic properties of sinapic and ferulic acids and their corresponding radical cations. Computational and Theoretical Chemistry, 2006, 766, 137-141.	1.5	7
2157	Time-Resolved Micro Liquid Desorption Mass Spectrometry: Mechanism, Features, and Kinetic Applications. Australian Journal of Chemistry, 2006, 59, 81.	0.9	25

#	Article	IF	CITATIONS
2158	Mass Spectrometry and Protein Analysis. Science, 2006, 312, 212-217.	12.6	1,787
2159	Ambient Mass Spectrometry. Science, 2006, 311, 1566-1570.	12.6	1,291
2160	Type 1 diabetes: entering the proteomic era. Expert Review of Proteomics, 2006, 3, 223-236.	3.0	11
2161	Solid Ionic Matrixes for Direct Tissue Analysis and MALDI Imaging. Analytical Chemistry, 2006, 78, 809-819.	6.5	165
2162	Potential energy surface of alanine polypeptide chains. Journal of Experimental and Theoretical Physics, 2006, 102, 314-326.	0.9	14
2163	On the fragmentation of biomolecules: Fragmentation of alanine dipeptide along the polypeptide chain. Journal of Experimental and Theoretical Physics, 2006, 103, 463-471.	0.9	16
2164	Conformational changes in glycine tri- and hexapeptide. European Physical Journal D, 2006, 39, 23-34.	1.3	19
2165	Mass determination of major plasma proteins by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Clinical Proteomics, 2006, 2, 103-115.	2.1	10
2166	The MALDI-TOF Mass Spectrometric View of the Plasma Proteome and Peptidome. Clinical Chemistry, 2006, 52, 1223-1237.	3.2	327
2167	Proteome research based on modern liquid chromatography $\hat{a} \in \text{``tandem mass spectrometry: separation,}$ identification and quantification. Journal of Neural Transmission, 2006, 113, 973-994.	2.8	43
2168	Proteomics in neurodegeneration – disease driven approaches. Journal of Neural Transmission, 2006, 113, 1055-1073.	2.8	31
2169	Eye lens proteomics. Amino Acids, 2006, 30, 369-389.	2.7	60
2170	Liquid chromatography–electrospray ionization mass spectrometry for simultaneous detection of mtDNA length and nucleotide polymorphisms. International Journal of Legal Medicine, 2006, 121, 57-67.	2.2	23
2171	The â€interactome' of the Knr4/Smi1, a protein implicated in coordinating cell wall synthesis with bud emergence in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 2006, 275, 217-230.	2.1	35
2172	Using ecotoxicogenomics to evaluate the impact of chemicals on aquatic organisms. Marine Biology, 2006, 149, 107-115.	1.5	14
2173	Pyridinium-based ionic liquid matrices can improve the identification of proteins by peptide mass-fingerprint analysis with matrix-assisted laser desorption/ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2006, 384, 215-224.	3.7	50
2174	Accurate determination of allelic frequencies in mitochondrial DNA mixtures by electrospray ionization time-of-flight mass spectrometry. Analytical and Bioanalytical Chemistry, 2006, 384, 1155-1163.	3.7	16
2175	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

#	Article	IF	CITATIONS
2176	Spatially resolved ultra-trace analysis of elements combining resonance ionization with a MALDI-TOF spectrometer. Analytical and Bioanalytical Chemistry, 2006, 386, 109-118.	3.7	11
2177	Ionic (liquid) matrices for matrix-assisted laser desorption/ionization mass spectrometry—applications and perspectives. Analytical and Bioanalytical Chemistry, 2006, 386, 24-37.	3.7	256
2178	Improvement of the inlet system for the spray-jet technique for use in spectroscopic studies and molecular deposition. Thin Solid Films, 2006, 499, 44-48.	1.8	5
2179	Investigations of theoretical principles for MALDI-MS derived from solvent-free sample preparation. International Journal of Mass Spectrometry, 2006, 253, 13-21.	1.5	54
2180	Aerosol MALDI of peptides and proteins in an ion trap mass spectrometer: Trapping, resolution and signal-to-noise. International Journal of Mass Spectrometry, 2006, 258, 113-119.	1.5	20
2181	Interfacing capillary gel microfluidic chips with infrared laser desorption mass spectrometry. Journal of the American Society for Mass Spectrometry, 2006, 17, 469-474.	2.8	30
2182	On-line matrix addition for detecting aerosol particles. Science in China Series G: Physics, Mechanics and Astronomy, 2006, 49, 187-194.	0.2	4
2183	A path or a new road in laboratory diagnostics? Biological mass spectrometry: Facts and perspectives. Pathology and Oncology Research, 2006, 12, 179-183.	1.9	5
2184	Modified Tobacco mosaic virus particles as scaffolds for display of protein antigens for vaccine applications. Virology, 2006, 348, 475-488.	2.4	152
2185	Mass spectrometry of RNA. Trends in Biochemical Sciences, 2006, 31, 173-181.	7. 5	54
2186	Laser-Induced Acoustic Desorption Mass Spectrometry of Single Bioparticles. Angewandte Chemie - International Edition, 2006, 45, 1423-1426.	13.8	63
2187	Capillary zone electrophoresis of glycopeptides under controlled electroosmotic flow conditions coupled to electrospray and matrix-assisted laser desorption/ionization mass spectrometry. Electrophoresis, 2006, 27, 1209-1219.	2.4	43
2188	Microfluidic technologies for MALDI-MS in proteomics. Electrophoresis, 2006, 27, 3559-3568.	2.4	63
2189	Atmospheric molding of ionic copolymer MALDI-TOF/MS arrays: A new tool for protein identification/profiling. Electrophoresis, 2006, 27, 4952-4959.	2.4	14
2190	Investigation of molecular interaction within biological macromolecular complexes by mass spectrometry. Medicinal Research Reviews, 2006, 26, 339-368.	10.5	27
2191	Off-line combination of reversed-phase liquid chromatography and laser desorption/ionization time-of-flight mass spectrometry with seamless post-source decay fragment ion analysis for characterization of square-planar nickel(II) complexes. Journal of Mass Spectrometry, 2006, 41, 448-453.	1.6	8
2192	An effective derivatization method for matrix-assisted laser desorption/ionization mass spectrometry of poly(acrylic acid). Journal of Mass Spectrometry, 2006, 41, 549-550.	1.6	15
2193	Optimizing UV laser focus profiles for improved MALDI performance. Journal of Mass Spectrometry, 2006, 41, 705-716.	1.6	146

#	Article	IF	CITATIONS
2194	Tandem mass spectra of ammonium adducts of monosaccharides: differentiation of diastereomers. Journal of Mass Spectrometry, 2006, 41, 1096-1104.	1.6	40
2195	DNA analysis by mass spectrometryâ€"past, present and future. Journal of Mass Spectrometry, 2006, 41, 981-995.	1.6	53
2196	Detecting and characterizing reactive metabolites by liquid chromatography/tandem mass spectrometry. Journal of Mass Spectrometry, 2006, 41, 1121-1139.	1.6	142
2197	Mass spectrometric characterization of low-molecular-mass color pl markers and their use for direct determination of pl value of proteins. Journal of Mass Spectrometry, 2006, 41, 1570-1577.	1.6	9
2198	Effective detection of peptides containing cysteine sulfonic acid using matrix-assisted laser desorption/ionization and laser desorption/ionization on porous silicon mass spectrometry. Journal of Mass Spectrometry, 2006, 41, 103-112.	1.6	26
2199	Rapid sequencing and disulfide mapping of peptides containing disulfide bonds by using 1,5-diaminonaphthalene as a reductive matrix. Journal of Mass Spectrometry, 2006, 41, 191-201.	1.6	122
2200	Discovering new invertebrate neuropeptides using mass spectrometry. Mass Spectrometry Reviews, 2006, 25, 77-98.	5.4	164
2201	The role of mass spectrometry in plant systems biology. Mass Spectrometry Reviews, 2006, 25, 173-214.	5.4	140
2202	Automated protein identification by tandem mass spectrometry: Issues and strategies. Mass Spectrometry Reviews, 2006, 25, 235-254.	5.4	143
2203	Mass spectrometry in bioinorganic analytical chemistry. Mass Spectrometry Reviews, 2006, 25, 255-289.	5.4	185
2204	Processing and classification of protein mass spectra. Mass Spectrometry Reviews, 2006, 25, 409-449.	5.4	163
2205	Contribution of mass spectrometry to assess quality of milk-based products. Mass Spectrometry Reviews, 2006, 25, 290-326.	5.4	59
2206	Chemical cross-linking and mass spectrometry to map three-dimensional protein structures and protein–protein interactions. Mass Spectrometry Reviews, 2006, 25, 663-682.	5.4	589
2207	Detection and characterization of variant and modified structures of proteins in blood and tissues by mass spectrometry. Mass Spectrometry Reviews, 2006, 25, 686-712.	5.4	44
2208	Four decades of joy in mass spectrometry. Mass Spectrometry Reviews, 2006, 25, 962-1017.	5.4	34
2210	An integrated digital microfluidic chip for multiplexed proteomic sample preparation and analysis by MALDI-MS. Lab on A Chip, 2006, 6, 1213.	6.0	266
2211	Effects of Matrix-to-analyte Ratio and Laser Energy on Peptides Ion Signals. Chinese Journal of Chemical Physics, 2006, 19, 207-210.	1.3	3
2212	Application of proteomic strategies to the identification of urinary biomarkers for prostate cancer: A review. Biomarkers, 2006, 11, 406-416.	1.9	31

#	Article	IF	CITATIONS
2213	Qualitative and Quantitative DNA and RNA Analysis by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry., 2006, 336, 59-72.		6
2214	Proteomic Profiling of Rat Thyroarytenoid Muscle. Journal of Speech, Language, and Hearing Research, 2006, 49, 671-685.	1.6	8
2215	SNP genotyping using alkali cleavage of RNA/DNA chimeras and MALDI time-of-flight mass spectrometry. Nucleic Acids Research, 2006, 34, e18-e18.	14.5	17
2216	N- and C-Terminal Cooperation in Rotavirus Enterotoxin: Novel Mechanism of Modulation of the Properties of a Multifunctional Protein by a Structurally and Functionally Overlapping Conformational Domain. Journal of Virology, 2006, 80, 412-425.	3.4	27
2217	New Mass Spectrometric Assay for Angiotensin-Converting Enzyme 2 Activity. Hypertension, 2006, 47, 1010-1017.	2.7	70
2218	Analysis of posttranslational modifications of proteins by tandem mass spectrometry. BioTechniques, 2006, 40, 790-798.	1.8	201
2219	Structural Characterization of Polyethers Using Matrix-Assisted Laser Desorption/Ionization Quadrupole Ion Trap Time-of-Fight Mass Spectrometry. European Journal of Mass Spectrometry, 2006, 12, 181-187.	1.0	28
2220	Causes and Diagnosis of Alzheimers Disease: A Proteomics Approach. Current Proteomics, 2006, 3, 81-112.	0.3	2
2221	Ab initiostudy of alanine polypeptide chain twisting. Physical Review E, 2006, 73, 021916.	2.1	27
2223	Drug target identification and quantitative proteomics. Expert Opinion on Drug Discovery, 2006, 1, 477-489.	5.0	4
2224	Rapid Bacterial Characterization and Identification by MALDI-TOF Mass Spectrometry., 2006, , 117-133.		14
2225	Peptide Sequencing by Mass Spectrometry. Methods of Biochemical Analysis, 2006, 34, 145-202.	0.2	10
2226	Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for the Discrimination of Food-Borne Microorganisms. Applied and Environmental Microbiology, 2006, 72, 1180-1189.	3.1	134
2227	Rapid Quantitative Detection of Bovine Serum Albumin in Blood Serum with Seeded Liquid Beam Desorption Mass Spectrometry. Analytical Letters, 2006, 39, 2191-2203.	1.8	9
2228	BIOLOGICAL SYSTEMS ANALYSIS BY A NETWORK PROTEOMICS APPROACH AND SUBCELLULAR PROTEIN PROFILING. International Journal of Modeling, Simulation, and Scientific Computing, 2006, 09, 299-314.	1.4	1
2229	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Analysis of DNA on Microarrays. Clinical Chemistry, 2006, 52, 1303-1310.	3.2	7
2230	7 Hyphenated techniques. Separation Science and Technology, 2007, , 189-235.	0.2	3
2231	DNA sequencing by MALDI-TOF MS using alkali cleavage of RNA/DNA chimeras. Nucleic Acids Research, 2007, 35, e62-e62.	14.5	15

#	Article	IF	Citations
2232	Analysis of Melamine, Cyanuric Acid, Ammelide, and Ammeline Using Matrixâ€Assisted Laser Desorption Ionization/Timeâ€ofâ€Flight Mass Spectrometry (MALDI/TOFMS). Analytical Letters, 2007, 40, 3107-3118.	1.8	38
2233	Mass Spectrometric Imaging of the Nervous System. Current Pharmaceutical Design, 2007, 13, 3325-3334.	1.9	24
2234	Detection of Biosignatures by Geomatrix-Assisted Laser Desorption/Ionization (GALDI) Mass Spectrometry. Geomicrobiology Journal, 2007, 24, 379-385.	2.0	15
2235	Coherent control of bond breaking in amino acid complexes with tailored femtosecond pulses. Journal of Chemical Physics, 2007, 127, 201101.	3.0	25
2236	Deciphering Protein–Protein Interactions. Part I. Experimental Techniques and Databases. PLoS Computational Biology, 2007, 3, e42.	3.2	334
2237	Neuropeptidomics Strategies for Specific and Sensitive Identification of Endogenous Peptides. Molecular and Cellular Proteomics, 2007, 6, 1188-1197.	3.8	47
2238	Mass Spectrometry Data Analysis in the Proteomics Era. Current Bioinformatics, 2007, 2, 63-93.	1.5	30
2239	Integrated ultraviolet and tunable mid-infrared laser source for analyses of proteins. , 2007, , .		24
2240	Effects of Iron-cored Carbonballs as Matrix on Matrix-Assisted Laser Desorption Ionization-time of Flight Mass Spectrometer Analysis. Japanese Journal of Applied Physics, 2007, 46, 6415-6418.	1.5	2
2241	Mass Spectrometry of Carbohydrates: Newer Aspects. Advances in Carbohydrate Chemistry and Biochemistry, 2007, 61, 59-141.	0.9	19
2242	Preliminary ESI-MS and MALDI-TOF Analysis on Phosphorylated Tetrapeptides with Xaa-Pro Motif. Phosphorus, Sulfur and Silicon and the Related Elements, 2007, 182, 825-834.	1.6	2
2243	Time-Resolved Conformational Dynamics in Hydrocarbon Chains. Physical Review Letters, 2007, 98, 253004.	7.8	44
2244	Analysis of a Molecular Beam Produced by the Spray-Jet Technique with Femtosecond Laser Mass Spectroscopy. Molecular Crystals and Liquid Crystals, 2007, 472, 171/[561]-179/[569].	0.9	0
2245	Interaction of wide band gap single crystals with 248nm excimer laser radiation. XII. The emission of negative atomic ions from alkali halides. Journal of Applied Physics, 2007, 102, .	2.5	9
2246	Nanotechnology in proteomics. Expert Review of Proteomics, 2007, 4, 617-626.	3.0	15
2248	Improved identification of enriched peptide RNA cross-links from ribonucleoprotein particles (RNPs) by mass spectrometry. Nucleic Acids Research, 2007, 35, e95-e95.	14.5	20
2249	The Association of Biomolecular Resource Facilities Proteomics Research Group 2006 Study. Molecular and Cellular Proteomics, 2007, 6, 1291-1298.	3.8	100
2250	Application of Proteomics to Investigate Plant-Microbe Interactions. Current Proteomics, 2007, 4, 28-43.	0.3	55

#	Article	IF	CITATIONS
2251	Proteomic Study of Micro-Algae: Sample Preparation for Two-Dimensional Gel Electrophoresis and De Novo Peptide Sequencing Using MALDI-TOF MS. Current Proteomics, 2007, 4, 67-78.	0.3	6
2253	Modes of Ionization., 0,, 15-65.		1
2254	Microprobing and Imaging MALDI for Biomarker Detection., 0,, 109-130.		3
2255	MALDI-MS of Nucleic Acids and Practical Implementations in Genomics and Genetics. , 0, , 131-179.		3
2256	Redox Proteomics Identification of Oxidatively Modified Brain Proteins in Alzheimer's Disease and Mild Cognitive Impairment: Insights into the Progression of this Dementing Disorder. Journal of Alzheimer's Disease, 2007, 12, 61-72.	2.6	121
2257	A novel method for analyzing formalin-fixed paraffin embedded (FFPE) tissue sections by mass spectrometry imaging. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2007, 83, 205-214.	3.8	27
2261	Aus der Probe ins Massenspektrometer. Nachrichten Aus Der Chemie, 2007, 55, 420-424.	0.0	1
2262	Dual-Source Mass Spectrometer with MALDI-LIT-ESI Configuration. Journal of Proteome Research, 2007, 6, 837-845.	3.7	16
2263	Von der Revolution zur Reife. Nachrichten Aus Der Chemie, 2007, 55, 1016-1019.	0.0	0
2264	MS-guided Fractionation as a Fast Way to the Identification of New Natural Products – MALDI-TOF-MS Screening of the Marine Sponge Stylissa caribica. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 600-604.	0.7	8
2265	Chapter 3 Comparative Sequence Analysis by MALDI-TOF Mass Spectrometry – Utilizing the Known to Discover the New. Perspectives in Bioanalysis, 2007, , 97-117.	0.3	2
2266	Direct LD-FTMS detection of mineral-associated PAHs and their influence on the detection of co-existing amino acids. Talanta, 2007, 72, 634-641.	5.5	13
2267	Mass spectrometric analysis of ubiquitin–platinum interactions of leading anticancer drugs: MALDI versus ESI. Journal of Analytical Atomic Spectrometry, 2007, 22, 960-967.	3.0	89
2268	Universal Sample Preparation Method for Characterization of Bacteria by Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. Applied and Environmental Microbiology, 2007, 73, 1899-1907.	3.1	108
2269	Effects of Thin-Film Structural Parameters on Laser Desorption/Ionization from Porous Alumina. Analytical Chemistry, 2007, 79, 4950-4956.	6.5	59
2270	Small-Molecule Analysis with Silicon-Nanoparticle-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2007, 79, 434-444.	6.5	181
2271	Diagnosis of occult blood in human feces using matrix-assisted laser desorption ionization/time-of-flight mass spectrometry. Clinica Chimica Acta, 2007, 384, 86-92.	1.1	14
2272	Clustering Proteomics Data Using Bayesian Principal Component Analysis. Springer Optimization and Its Applications, 2007, , 339-362.	0.9	1

#	Article	IF	CITATIONS
2273	An introduction to mass spectrometry based proteomicsâ€"Detection and characterization of gonadotropins and related molecules. Molecular and Cellular Endocrinology, 2007, 260-262, 212-227.	3.2	27
2274	Protein extraction from Mycobacterium avium subsp. paratuberculosis: Comparison of methods for analysis by sodium dodecyl sulphate polyacrylamide gel electrophoresis, native PAGE and surface enhanced laser desorption/ionization time of flight mass spectrometry. Journal of Microbiological Methods, 2007, 68, 115-127.	1.6	14
2275	Non-Proximate Detection of Small and Large Molecules by Desorption Electrospray Ionization and Desorption Atmospheric Pressure Chemical Ionization Mass Spectrometry:  Instrumentation and Applications in Forensics, Chemistry, and Biology. Analytical Chemistry, 2007, 79, 7069-7077.	6.5	106
2276	Two-Dimensional Gel Electrophoresis in Platelet Proteomics Research. Methods in Molecular Medicine, 2007, 139, 339-353.	0.8	31
2277	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Characterization of Primary Amine End-Functionalized Polystyrene and Poly(methyl methacrylate) Synthesized by Living Anionic Polymerization Techniques. Macromolecules, 2007, 40, 3461-3467.	4.8	22
2278	Colloidal Graphite-Assisted Laser Desorption/Ionization MS and MSnof Small Molecules. 2. Direct Profiling and MS Imaging of Small Metabolites from Fruits. Analytical Chemistry, 2007, 79, 6575-6584.	6.5	156
2279	Aquatic fulvic acid as a matrix for matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis. Rapid Communications in Mass Spectrometry, 2007, 21, 219-228.	1.5	11
2280	Multidimensional Separations-Based Shotgun Proteomics. Chemical Reviews, 2007, 107, 3654-3686.	47.7	203
2281	Protein Complexes in the Gas Phase:  Technology for Structural Genomics and Proteomics. Chemical Reviews, 2007, 107, 3544-3567.	47.7	376
2282	SNP Genotyping: Technologies and Biomedical Applications. Annual Review of Biomedical Engineering, 2007, 9, 289-320.	12.3	515
2283	Towards the development of a covalently tethered MALDI system â€" A study of allyl-modified MALDI matrixes. Canadian Journal of Chemistry, 2007, 85, 66-76.	1.1	11
2284	Proteomics: a review and an example using the reticulocyte membrane proteome. Veterinary Clinical Pathology, 2007, 36, 13-24.	0.7	10
2286	Viral proteomics: global evaluation of viruses and their interaction with the host. Expert Review of Proteomics, 2007, 4, 815-829.	3.0	38
2288	Methicillin-Resistant Staphylococcus aureus (MRSA) Protocols. Methods in Molecular Biology, 2007, 391, v.	0.9	14
2290	Vascular Biology Protocols. Methods in Molecular Medicine, 2007, , .	0.8	1
2291	Determination of Molecular Weight, Particle Size, and Density of High Number Generation PAMAM Dendrimers Using MALDIâ^'TOFâ^'MS and nESâ^'GEMMA. Macromolecules, 2007, 40, 5599-5605.	4.8	81
2292	Use of proteomics for the discovery of early markers of drug toxicity. Expert Opinion on Drug Metabolism and Toxicology, 2007, 3, 689-704.	3.3	23
2293	Self-Assembled Monolayers for MALDI-TOF Mass Spectrometry for Immunoassays of Human Protein Antigens. Analytical Chemistry, 2007, 79, 5878-5887.	6.5	56

#	Article	IF	CITATIONS
2295	Proteomic Approach to Investigate MRSA. Methods in Molecular Biology, 2007, 391, 179-199.	0.9	6
2296	On-Line Dynamic Titration:Â Determination of Dissociation Constants for Noncovalent Complexes Using Gaussian Concentration Profiles by Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2007, 79, 5407-5413.	6. 5	29
2297	Cardiac Gene Expression. Methods in Molecular Biology, 2007, , .	0.9	1
2298	Basics of Mass Spectrometry. , 0, , 1-14.		1
2299	Identifying Modifications in RNA by MALDI Mass Spectrometry. Methods in Enzymology, 2007, 425, 1-20.	1.0	86
2300	Oligonucleotide Gas-Phase Hydrogen/Deuterium Exchange with D2S in the Collision Cell of a Quadrupole-Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. Analytical Chemistry, 2007, 79, 7893-7898.	6.5	12
2301	A Developmental History of Polymer Mass Spectrometry. Journal of Chemical Education, 2007, 84, 81.	2.3	21
2302	Analytical Performance of a Venturi-Assisted Array of Micromachined Ultrasonic Electrosprays Coupled to Ion Trap Mass Spectrometry for the Analysis of Peptides and Proteins. Analytical Chemistry, 2007, 79, 8154-8161.	6.5	23
2303	Laser-Assisted Fabrication of Biomolecular Sensing Microarrays. IEEE Transactions on Nanobioscience, 2007, 6, 242-248.	3.3	5
2304	The future of proteomic analysis in biological systems and molecular medicine. Molecular BioSystems, 2007, 3, 14-17.	2.9	3
2305	Proteomics in uveal melanoma research: opportunities and challenges in biomarker discovery. Expert Review of Proteomics, 2007, 4, 273-286.	3.0	18
2306	Mitoproteome Plasticity of Rat Brown Adipocytes in Response to Cold Acclimation. Journal of Proteome Research, 2007, 6, 25-33.	3.7	24
2307	Investigation of the first shot phenomenon in MALDI mass spectrometry of protein complexes. Analyst, The, 2007, 132, 199.	3.5	25
2308	Molecular cloning and sequence analysis of alboaggregin B. Platelets, 2007, 18, 266-272.	2.3	10
2309	Colloidal Graphite-Assisted Laser Desorption/Ionization Mass Spectrometry and MSnof Small Molecules. 1. Imaging of Cerebrosides Directly from Rat Brain Tissue. Analytical Chemistry, 2007, 79, 2373-2385.	6.5	193
2310	Matrix Solution Fixation:Â Histology-Compatible Tissue Preparation for MALDI Mass Spectrometry Imaging. Analytical Chemistry, 2007, 79, 7416-7423.	6.5	45
2311	Proteomic Mapping of Stimulus-Specific Signaling Pathways Involved in THP-1 Cells Exposed to <i>Porphyromonas gingivalis</i> or Its Purified Components. Journal of Proteome Research, 2007, 6, 2211-2221.	3.7	29
2312	MS/MS Simplification by 355 nm Ultraviolet Photodissociation of Chromophore-Derivatized Peptides in a Quadrupole Ion Trap. Analytical Chemistry, 2007, 79, 7883-7892.	6.5	57

#	Article	IF	CITATIONS
2313	Ion-Induced Nucleation <i>in Solution</i> :  Promotion of Solute Nucleation in Charged Levitated Droplets. Journal of the American Chemical Society, 2007, 129, 11364-11377.	13.7	12
2314	High-Speed Mass Analysis of Whole Erythrocytes by Charge-Detection Quadrupole Ion Trap Mass Spectrometry. Analytical Chemistry, 2007, 79, 7401-7407.	6.5	38
2315	Molecular Analysis of Native Tissue and Whole Oils by Infrared Laser Mass Spectrometry. Analytical Chemistry, 2007, 79, 4514-4520.	6.5	29
2316	Identification of <i>N</i> -Acylphosphatidylserine Molecules in Eukaryotic Cells. Biochemistry, 2007, 46, 14500-14513.	2.5	65
2317	Incorporating Biological Mass Spectrometry Into Undergraduate Teaching Labs, Part 1: Identifying Proteins Based on Molecular Mass. Journal of Chemical Education, 2007, 84, 1971.	2.3	11
2318	Interpretation of Reversible Additionâ^'Fragmentation Chain-Transfer Polymerization Mechanism by MALDI-TOF-MS. Analytical Chemistry, 2007, 79, 2722-2727.	6.5	32
2319	Laser-Induced Chemistry and Desorption of Organic Monolayers. Journal of Physical Chemistry C, 2007, 111, 9250-9254.	3.1	4
2320	Mass Spectrometric Identification of Serum Peptides Employing Derivatized Poly(glycidyl) Tj ETQq1 1 0.784314 r	gBT_/Over	logk 10 Tf 5
2322	Electrospray Characteristic Curves:  In Pursuit of Improved Performance in the Nanoflow Regime. Analytical Chemistry, 2007, 79, 8030-8036.	6.5	54
2323	Analysis of an Intact G-Protein Coupled Receptor by MALDI-TOF Mass Spectrometry:Â Molecular Heterogeneity of the Tachykinin NK-1 Receptor. Analytical Chemistry, 2007, 79, 2189-2198.	6.5	15
2324	Pretreatment of Mass Spectral Profiles:  Application to Proteomic Data. Analytical Chemistry, 2007, 79, 7014-7026.	6.5	37
2325	New Method for Characterizing Highly Disulfide-Bridged Peptides in Complex Mixtures: Application to Toxin Identification from Crude Venoms. Journal of Proteome Research, 2007, 6, 3216-3223.	3.7	82
2326	Proteomics of Integral Membrane ProteinsTheory and Application. Chemical Reviews, 2007, 107, 3687-3714.	47.7	299
2327	Ordered Porous Alumina Geometries and Surface Metals for Surface-Assisted Laser Desorption/Ionization of Biomolecules:Â Possible Mechanistic Implications of Metal Surface Melting. Analytical Chemistry, 2007, 79, 9122-9127.	6.5	59
2328	Carbohydrate Analysis by Desorption Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Analytical Chemistry, 2007, 79, 8812-8815.	6.5	38
2329	Rational Selection of the Optimum MALDI Matrix for Top-Down Proteomics by In-Source Decay. Analytical Chemistry, 2007, 79, 8678-8685.	6.5	133
2330	Shotgun Analysis of Integral Membrane Proteins Facilitated by Elevated Temperature. Analytical Chemistry, 2007, 79, 4613-4620.	6.5	76
2331	Direct Tissue Analysis by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry: Application to Kidney Biology. Seminars in Nephrology, 2007, 27, 597-608.	1.6	62

#	Article	IF	Citations
2332	Proteomic technologies in the study of kinases: Novel tools for the investigation of PKC in the heart. Pharmacological Research, 2007, 55, 511-522.	7.1	31
2333	Shotgun Metabolomics Approach for the Analysis of Negatively Charged Water-Soluble Cellular Metabolites from Mouse Heart Tissue. Analytical Chemistry, 2007, 79, 6629-6640.	6.5	84
2334	Microbial proteomics: a mass spectrometry primer for biologists. Microbial Cell Factories, 2007, 6, 26.	4.0	52
2335	Small-Molecule Desorption/Ionization Mass Analysis. , 0, , 299-337.		8
2336	The MALDI Process and Method., 0,, 1-28.		11
2337	Sample-First Preparation:  A Method for Surface-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Analysis of Cyclic Oligosaccharides. Analytical Chemistry, 2007, 79, 6215-6221.	6.5	70
2338	Polymeric Inverse Micelles as Selective Peptide Extraction Agents for MALDI-MS Analysis. Analytical Chemistry, 2007, 79, 7124-7130.	6.5	30
2339	Proteomic Analysis of Secreted Exosomes. , 2007, 43, 99-131.		69
2340	Neuropeptidomics: MS Applied to the Discovery of Novel Peptides from the Brain. Analytical Chemistry, 2007, 79, 14-21.	6.5	57
2341	MALDI., 0,, 519-570.		0
2341	MALDI., 0, , 519-570. Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Biomolecules. Journal of Physical Chemistry C, 2007, 111, 16278-16283.	3.1	169
	Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of	3.1	
2342	Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Biomolecules. Journal of Physical Chemistry C, 2007, 111, 16278-16283. Gold Nanoparticles as Assisted Matrix for Determining Neutral Small Carbohydrates through Laser		169
2342 2343	Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Biomolecules. Journal of Physical Chemistry C, 2007, 111, 16278-16283. Gold Nanoparticles as Assisted Matrix for Determining Neutral Small Carbohydrates through Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2007, 79, 1626-1633. IR-MALDI-MS Analysis of HPTLC-Separated Phospholipid Mixtures Directly from the TLC Plate. Analytical	6.5	169
2342 2343 2344	Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Biomolecules. Journal of Physical Chemistry C, 2007, 111, 16278-16283. Gold Nanoparticles as Assisted Matrix for Determining Neutral Small Carbohydrates through Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2007, 79, 1626-1633. IR-MALDI-MS Analysis of HPTLC-Separated Phospholipid Mixtures Directly from the TLC Plate. Analytical Chemistry, 2007, 79, 5793-5808. Direct Analysis and MALDI Imaging of Formalin-Fixed, Paraffin-Embedded Tissue Sections. Journal of	6.5	169 183 88
2342 2343 2344 2345	Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Biomolecules. Journal of Physical Chemistry C, 2007, 111, 16278-16283. Gold Nanoparticles as Assisted Matrix for Determining Neutral Small Carbohydrates through Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2007, 79, 1626-1633. IR-MALDI-MS Analysis of HPTLC-Separated Phospholipid Mixtures Directly from the TLC Plate. Analytical Chemistry, 2007, 79, 5793-5808. Direct Analysis and MALDI Imaging of Formalin-Fixed, Paraffin-Embedded Tissue Sections. Journal of Proteome Research, 2007, 6, 1295-1305. Tailoring Nanoparticle Surface Chemistry to Enhance Laser Desorption Ionization of Peptides and	6.5 6.5 3.7	169 183 88 285
2342 2343 2344 2345 2346	Platinum Nanoflowers for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Biomolecules. Journal of Physical Chemistry C, 2007, 111, 16278-16283. Gold Nanoparticles as Assisted Matrix for Determining Neutral Small Carbohydrates through Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2007, 79, 1626-1633. IR-MALDI-MS Analysis of HPTLC-Separated Phospholipid Mixtures Directly from the TLC Plate. Analytical Chemistry, 2007, 79, 5793-5808. Direct Analysis and MALDI Imaging of Formalin-Fixed, Paraffin-Embedded Tissue Sections. Journal of Proteome Research, 2007, 6, 1295-1305. Tailoring Nanoparticle Surface Chemistry to Enhance Laser Desorption Ionization of Peptides and Proteins. Nano Letters, 2007, 7, 3023-3025.	6.5 6.5 3.7 9.1	169 183 88 285

#	Article	IF	CITATIONS
2350	Sequence-Specific Retention Calculator. A Family of Peptide Retention Time Prediction Algorithms in Reversed-Phase HPLC:  Applicability to Various Chromatographic Conditions and Columns. Analytical Chemistry, 2007, 79, 8762-8768.	6.5	89
2351	Soft Laser Desorption Ionization — Maldi, Dios and Nanostructures. , 2007, , 505-528.		15
2352	How and Why to Apply the Latest Technology*. , 2007, , 289-557.		3
2353	Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for Lectin Analysis., 2007,, 343-371.		0
2354	Proteomics and Mass Spectrometry for Cancer Biomarker Discovery. Biomarker Insights, 2007, 2, 117727190700200.	2.5	10
2355	Proteomic Techniques for Functional Identification of Bacterial Adhesins. , 2007, , 299-325.		2
2356	Methodology and Applications of Disease Biomarker Identification in Human Serum. Biomarker Insights, 2007, 2, 117727190700200.	2.5	65
2357	Proteomic Analysis of Bronchoalveolar Lavage Fluid: Effect of Acute Exposure to Diesel Exhaust Particles in Rats. Environmental Health Perspectives, 2007, 115, 756-763.	6.0	25
2358	Platelet Genomics and Proteomics. , 2007, , 99-116.		3
2362	Isotope-Labeled Photoaffinity Reagents and Mass Spectrometry To Identify Protein–Ligand Interactions. Angewandte Chemie - International Edition, 2007, 46, 660-662.	13.8	41
2363	Charge-Monitoring Laser-Induced Acoustic Desorption Mass Spectrometry for Cell and Microparticle Mass Distribution Measurement. Angewandte Chemie - International Edition, 2007, 46, 3865-3869.	13.8	54
2364	Identification of bacteria using matrixâ€assisted laser desorption ionization timeâ€ofâ€flight mass spectrometry. Biochemistry and Molecular Biology Education, 2007, 35, 425-433.	1.2	8
2367	Investigation of Protein–Ligand Interactions by Mass Spectrometry. ChemMedChem, 2007, 2, 425-431.	3.2	38
2368	Towards a Quantitative Interpretation of Polymer Distributions from MALDI-TOF Spectra. Macromolecular Chemistry and Physics, 2007, 208, 485-495.	2.2	25
2369	Anionic Synthesis of Epoxy End-Capped Polymers. Macromolecular Chemistry and Physics, 2007, 208, 807-814.	2.2	11
2370	Matrix-free methods for laser desorption/ionization mass spectrometry. Mass Spectrometry Reviews, 2007, 26, 19-34.	5.4	297
2371	Mass spectrometry for enzyme assays and inhibitor screening: An emerging application in pharmaceutical research. Mass Spectrometry Reviews, 2007, 26, 324-339.	5.4	142
2372	Applications of mass spectrometry for the structural characterization of recombinant protein pharmaceuticals. Mass Spectrometry Reviews, 2007, 26, 370-388.	5.4	171

#	Article	IF	CITATIONS
2373	Protein sequence information by matrix-assisted laser desorption/ionization in-source decay mass spectrometry. Mass Spectrometry Reviews, 2007, 26, 672-682.	5 . 4	140
2374	Quantitative analysis with modern bioanalytical mass spectrometry and stable isotope labeling. Journal of Labelled Compounds and Radiopharmaceuticals, 2007, 50, 1124-1136.	1.0	15
2375	Desorption/ionization on porous silicon mass spectrometry (DIOS) of model cationized fatty acids. Journal of Mass Spectrometry, 2007, 42, 42-48.	1.6	28
2376	Rapid on-plate and one-pot derivatization of carbonyl compounds for enhanced detection by reactive matrix LDI-TOF MS using the tailor-made reactive matrix, 4-dimethylamino-6-(4-methoxy-1-naphthyl)-1,3,5-triazine-2-hydrazine (DMNTH). Journal of Mass Spectrometry, 2007, 42, 206-217.	1.6	12
2377	Visible-laser desorption/ionization on gold nanostructures. Journal of Mass Spectrometry, 2007, 42, 346-353.	1.6	28
2378	Characterization ofN-palmitoylated human growth hormone byin situ liquid–liquid extraction and MALDI tandem mass spectrometry. Journal of Mass Spectrometry, 2007, 42, 724-734.	1.6	15
2379	Characterization of the protein profile of donkey's milk whey fraction. Journal of Mass Spectrometry, 2007, 42, 1162-1174.	1.6	46
2380	Selfâ€assembledâ€monolayerâ€modified silicon substrate to enhance the sensitivity of peptide detection for APâ€MALDI mass spectrometry. Journal of Mass Spectrometry, 2007, 42, 1628-1636.	1.6	19
2381	Protein identification via ionâ€trap collisionâ€induced dissociation and examination of lowâ€mass product ions. Journal of Mass Spectrometry, 2008, 43, 23-34.	1.6	10
2382	<i>De novo</i> sequencing of a 21â€kDa cytochrome <i>c</i> ₄ from <i>Thiocapsa roseopersicina</i> by nanoelectrospray ionization ionâ€trap and Fourierâ€transform ionâ€cyclotron resonance mass spectrometry. Journal of Mass Spectrometry, 2007, 42, 1569-1582.	1.6	10
2383	Charge state effect on the zwitterion influence on stability of nonâ€covalent interaction of singleâ€stranded DNA with peptides. Journal of Mass Spectrometry, 2007, 42, 1613-1622.	1.6	22
2384	25 years of lasers and analytical chemistry: A reluctant pairing with a promising future. TrAC - Trends in Analytical Chemistry, 2007, 26, 60-64.	11.4	8
2385	Production of active lysozyme films by matrix assisted pulsed laser evaporation at 355 nm. Chemical Physics Letters, 2007, 435, 350-353.	2.6	48
2386	Ultrafast photodimerization dynamics in $\hat{l}\pm$ -cyano-4-hydroxycinnamic and sinapinic acid crystals. Chemical Physics Letters, 2007, 443, 107-112.	2.6	34
2387	Genomics and proteomics: Emerging technologies in clinical cancer research. Critical Reviews in Oncology/Hematology, 2007, 61, 1-25.	4.4	55
2388	MALDI-MS-based imaging of small molecules and proteins in tissues. Current Opinion in Chemical Biology, 2007, 11, 29-35.	6.1	207
2389	New findings for in-gel digestion accelerated by high-intensity focused ultrasound for protein identification by matrix-assisted laser desorption ionization time-of-flight mass spectrometry. Journal of Chromatography A, 2007, 1153, 291-299.	3.7	32
2390	Trends in sample preparation for classical and second generation proteomics. Journal of Chromatography A, 2007, 1153, 235-258.	3.7	167

#	Article	IF	Citations
2391	Limits of suspicion, recognition and confirmation as concepts that account for the confirmation transitions at the detection limit for quantification by liquid chromatography–tandem mass spectrometry. Journal of Chromatography A, 2007, 1169, 103-110.	3.7	23
2392	Antibody-based enrichment of peptides on magnetic beads for mass-spectrometry-based quantification of serum biomarkers. Analytical Biochemistry, 2007, 362, 44-54.	2.4	259
2393	Peptide analysis: Solid phase extraction–elution on diamond combined with atmospheric pressure matrix-assisted laser desorption/ionization–Fourier transform ion cyclotron resonance mass spectrometry. Analytical Biochemistry, 2007, 367, 190-200.	2.4	26
2394	Identification of protein-binding peptides by direct matrix-assisted laser desorption ionization time-of-flight mass spectrometry analysis of peptide beads selected from the screening of one bead–one peptide combinatorial libraries. Analytical Biochemistry, 2007, 370, 215-222.	2.4	26
2395	Matrix-assisted laser desorption/ionization (MALDI) mechanism revisited. Analytica Chimica Acta, 2007, 582, 1-9.	5.4	108
2396	Mesoporous tungsten titanate as matrix for matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis of biomolecules. Analytica Chimica Acta, 2007, 593, 13-19.	5.4	12
2397	Quantitative structure–property relationship studies for collision cross sections of 579 singly protonated peptides based on a novel descriptor as molecular graph fingerprint (MoGF). Analytica Chimica Acta, 2007, 597, 214-222.	5.4	8
2398	Quantitative bioanalysis of quinine by atmospheric pressure-matrix assisted laser desorption/ionization mass spectrometry combined with dynamic drop-to-drop solvent microextraction. Analytica Chimica Acta, 2007, 605, 153-158.	5.4	38
2399	Posttranslational modifications in human plasma MBL and human recombinant MBL. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 335-344.	2.3	17
2400	Laying the groundwork for proteomics. International Journal of Mass Spectrometry, 2007, 259, 1-7.	1.5	31
2401	Development of capabilities for imaging mass spectrometry under ambient conditions with desorption electrospray ionization (DESI). International Journal of Mass Spectrometry, 2007, 259, 8-15.	1.5	243
2402	Aspirin revealed: A cationization strategy for detecting acetylsalicylic acid by MALDI mass spectrometry. International Journal of Mass Spectrometry, 2007, 261, 192-198.	1.5	11
2403	High-energy and low-energy collision-induced dissociation of protonated flavonoids generated by MALDI and by electrospray ionization. International Journal of Mass Spectrometry, 2007, 262, 51-66.	1.5	24
2404	High performance MALDI-TOF mass spectrometry for proteomics. International Journal of Mass Spectrometry, 2007, 268, 83-92.	1.5	21
2405	Positive and negative analyte ion yield in matrix-assisted laser desorption/ionization. International Journal of Mass Spectrometry, 2007, 268, 122-130.	1.5	35
2406	Artifacts of MALDI sample preparation investigated by high-resolution scanning microprobe matrix-assisted laser desorption/ionization (SMALDI) imaging mass spectrometry. International Journal of Mass Spectrometry, 2007, 266, 129-137.	1.5	56
2407	Study of factors governing negative molecular ion yields of amino acid and peptide in FAB, MALDI and ESI mass spectrometry. International Journal of Mass Spectrometry, 2007, 268, 47-59.	1.5	27
2408	Analysis of small molecules by desorption/ionization on mesoporous silicate (DIOM)-mass spectrometry (MS). Microporous and Mesoporous Materials, 2007, 98, 200-207.	4.4	21

#	Article	IF	CITATIONS
2409	Mass spectra alignments and their significance. Journal of Discrete Algorithms, 2007, 5, 714-728.	0.7	5
2410	On-probe pyrolysis desorption electrospray ionization (DESI) mass spectrometry for the analysis of non-volatile pyrolysis products. Journal of Analytical and Applied Pyrolysis, 2007, 80, 353-359.	5.5	18
2411	A study of noncovalent complexes involving single-stranded DNA and polybasic compounds using nanospray mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 346-358.	2.8	19
2412	A pulsed triple ionization source for sequential ion/ion reactions in an electrodynamic ion trap. Journal of the American Society for Mass Spectrometry, 2007, 18, 369-376.	2.8	32
2413	Proteomic profiling of a snake venom using high mass detection MALDI-TOF mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 600-606.	2.8	27
2414	Positive and negative ion electrospray tandem mass spectrometry (ESI MS/MS) of boc-protected peptides containing repeats of L-Ala-Î ³ 4Caa-Î ³ 4Caa-L-Ala: Differentiation of some positional isomeric peptides. Journal of the American Society for Mass Spectrometry, 2007, 18, 651-662.	2.8	15
2415	Analysis of peptides and proteins affinity-bound to iron oxide nanoparticles by MALDI MS. Journal of the American Society for Mass Spectrometry, 2007, 18, 910-918.	2.8	64
2416	Detection of Attomole Amounts of Analyte by Desorption Electrospray Ionization Mass Spectrometry (DESI-MS) Determined Using Fluorescence Spectroscopy. Journal of the American Society for Mass Spectrometry, 2007, 18, 1093-1096.	2.8	52
2417	Backbone cleavages and sequential loss of carbon monoxide and ammonia from protonated AGG: A combined tandem mass spectrometry, isotope labeling, and theoretical study. Journal of the American Society for Mass Spectrometry, 2007, 18, 1291-1303.	2.8	40
2418	Development of a high-Performance MALDI-TOF mass spectrometer utilizing a spiral ion trajectory. Journal of the American Society for Mass Spectrometry, 2007, 18, 1318-1323.	2.8	79
2419	Suppression and enhancement of secondary ion formation due to the chemical environment in static-secondary ion mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 1559-1567.	2.8	69
2420	Noncovalent complexes between DNA and basic polypeptides or polyamines by MALDI-TOF. Journal of the American Society for Mass Spectrometry, 2007, 18, 1977-1989.	2.8	25
2421	High surface area of porous silicon drives desorption of intact molecules. Journal of the American Society for Mass Spectrometry, 2007, 18, 1945-1949.	2.8	74
2422	Towards the entire proteome of the model bacterium Bacillus subtilis by gel-based and gel-free approaches. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 849, 129-140.	2.3	57
2423	Methods for samples preparation in proteomic research. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 849, 1-31.	2.3	194
2424	A general, robust method for the quality control of intact proteins using LC–ESI-MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 188-194.	2.3	52
2425	Instrumentation and Characterization of Surface Desorption Atmospheric Pressure Chemical Ionization Mass Spectrometry. Chinese Journal of Analytical Chemistry, 2007, 35, 1233-1240.	1.7	55
2426	Optimization of microfabricated nanoliter-scale solid-phase extraction device for detection of gel-separated proteins in low abundance by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 35-43.	1.5	12

#	ARTICLE	IF	CITATIONS
2427	Evaluation of an on-target sample preparation system for matrix-assisted laser desorption/ionization time-of-flight mass spectrometry in conjunction with normal-flow peptide high-performance liquid chromatography for peptide mass fingerprint analyses. Rapid Communications in Mass Spectrometry, 2007, 21, 44-58.	1.5	18
2428	2B or not 2B, that is the question: further investigations into the use of pencil as a matrix for matrix-assisted laser desorption/ionisation. Rapid Communications in Mass Spectrometry, 2007, 21, 180-190.	1.5	48
2429	The venom of the snake genusAtheris contains a new class of peptides with clusters of histidine and glycine residues. Rapid Communications in Mass Spectrometry, 2007, 21, 406-412.	1.5	40
2430	Multiplex target protein imaging in tissue sections by mass spectrometry – TAMSIM. Rapid Communications in Mass Spectrometry, 2007, 21, 823-829.	1.5	65
2431	Surfactant-mediated matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of small molecules. Rapid Communications in Mass Spectrometry, 2007, 21, 837-845.	1.5	25
2432	Effect of matrix crystal structure on ion abundance of carbohydrates by matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 807-811.	1.5	20
2433	Direct characterization of intact polypeptides by matrix-assisted laser desorption electrospray ionization quadrupole Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 1150-1154.	1.5	54
2434	Differentiation of three pairs of positional isomers of hybrid peptides with repeats of phenylalanine- \hat{l}^2 3-h-valine/ \hat{l}^2 3-h-valine-phenylalanine by electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 1401-1408.	1.5	12
2435	Detection and sequence determination of a new variant \hat{l}^2 -lactoglobulin II from donkey. Rapid Communications in Mass Spectrometry, 2007, 21, 1438-1446.	1.5	24
2436	Determining enediol compounds in tea using surface-assisted laser desorption/ionization mass spectrometry with titanium dioxide nanoparticle matrices. Rapid Communications in Mass Spectrometry, 2007, 21, 2023-2030.	1.5	89
2437	Matrix-assisted laser desorption/ionization mass spectrometry of polysaccharides with $2\hat{a} \in ^2$, $4\hat{a} \in ^2$, $6\hat{a} \in ^2$ -trihydroxyacetophenone as matrix. Rapid Communications in Mass Spectrometry, 2007, 21, 2137-2146.	1.5	68
2438	Identification of oxidative post-translational modification of serum albumin in patients with idiopathic pulmonary arterial hypertension and pulmonary hypertension of sickle cell anemia. Rapid Communications in Mass Spectrometry, 2007, 21, 2195-2203.	1.5	28
2439	Towards a reliable molecular mass determination of intact glycoproteins by matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 2555-2563.	1.5	37
2440	Identification of carbohydrates by matrixâ€free materialâ€enhanced laser desorption/ionisation mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 2759-2769.	1.5	22
2441	Identification of sulfoglycolipids from the alga <i>Porphyridium purpureum</i> by matrixâ€assisted laser desorption/ionisation quadrupole ion trap timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 3185-3192.	1.5	34
2442	Single drop microextraction as a concentrating probe for rapid screening of low molecular weight drugs from human urine in atmosphericâ€pressure matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 3103-3108.	1.5	36
2443	Simplifying sample handling for protein identification by peptide mass fingerprint using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 3269-3278.	1.5	17
2444	Matrixâ€essisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry for the detection of hemoglobins as the protein biomarkers for fecal occult blood. Rapid Communications in Mass Spectrometry, 2007, 21, 3311-3316.	1.5	15

#	Article	IF	CITATIONS
2445	Disappearance of interfering alkaliâ€metal adducted peaks from matrixâ€assisted laser desorption/ionization mass spectra of peptides with serine addition to <i>α</i> À€cyanoâ€4â€hydroxycinnamic acid matrix. Rapid Communications in Mass Spectrometry, 2007, 21, 3345-3351.	1.5	29
2446	Direct visualisation of peptide hormones in cultured pancreatic islet alpha―and beta ells by intact ell mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 3452-3458.	1.5	18
2447	Matrixâ€assisted laser desorption/ionization mass spectrometry using a visible laser. Rapid Communications in Mass Spectrometry, 2007, 21, 4129-4134.	1.5	14
2448	Proteomics in clinical prostate research. Proteomics - Clinical Applications, 2007, 1, 1058-1065.	1.6	5
2449	A better understanding of molecular mechanisms underlying human disease. Proteomics - Clinical Applications, 2007, 1, 983-1003.	1.6	18
2450	Proteomics studies of pancreatic cancer. Proteomics - Clinical Applications, 2007, 1, 1582-1591.	1.6	32
2451	An improved method of sample preparation on AnchorChipâ, targets for MALDI-MS and MS/MS and its application in the liver proteome project. Proteomics, 2007, 7, 2340-2349.	2.2	70
2452	Methods, algorithms and tools in computational proteomics: A practical point of view. Proteomics, 2007, 7, 2815-2832.	2.2	91
2453	Subcellular shotgun proteomics in plants: Looking beyond the usual suspects. Proteomics, 2007, 7, 2963-2975.	2,2	64
2454	Detection of non-covalent protein interactions by 'intensity fading' MALDI-TOF mass spectrometry: applications to proteases and protease inhibitors. Nature Protocols, 2007, 2, 119-130.	12.0	34
2455	Clathrate nanostructures for mass spectrometry. Nature, 2007, 449, 1033-1036.	27.8	457
2456	Production of recombinant human erythropoietin from Pichia pastoris and its structural analysis. Journal of Applied Microbiology, 2007, 103, 2084-2094.	3.1	34
2457	Localization of water-soluble carbohydrates in wheat stems using imaging matrix-assisted laser desorption ionization mass spectrometry. New Phytologist, 2007, 173, 438-444.	7.3	61
2458	Toward the discovery of new biomarkers of hepatocellular carcinoma by proteomics. Liver International, 2007, 27, 163-173.	3.9	37
2459	Topâ€down MS, a powerful complement to the high capabilities of proteolysis proteomics. FEBS Journal, 2007, 274, 6256-6268.	4.7	157
2460	SAMPI: Protein Identification with Mass Spectra Alignments. BMC Bioinformatics, 2007, 8, 102.	2.6	7
2461	Isolation of esterified fatty acids bound to serum albumin purified from human plasma and characterised by MALDI mass spectrometry. Biologicals, 2007, 35, 43-49.	1.4	23
2462	Application of clinical proteomics in diagnosis and management of trauma patients. Injury, 2007, 38, 263-271.	1.7	19

#	Article	IF	CITATIONS
2463	The essence of DNA sample preparation for MALDI mass spectrometry. Journal of Proteomics, 2007, 70, 311-318.	2.4	35
2464	Is There a Role for Proteomics in Peyronie's Disease?. Journal of Sexual Medicine, 2007, 4, 867-877.	0.6	13
2465	The Application of Proteomic Techniques to Fungal Protein Identification and Quantification. Annals of the New York Academy of Sciences, 2007, 1111, 133-146.	3.8	8
2466	How to make big molecules fly out of liquid water: applications, features and physics of laser assisted liquid phase dispersion mass spectrometry. Physical Chemistry Chemical Physics, 2007, 9, 3335.	2.8	63
2467	Functional proteomics in histone research and epigenetics. Expert Review of Proteomics, 2007, 4, 491-503.	3.0	34
2468	Analysis of Adenosine Triphosphate and Glutathione through Gold Nanoparticles Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2007, 79, 4852-4859.	6.5	256
2469	Matrix-Free Laser Desorption/Ionization-Mass Spectrometry Using Self-Assembled Germanium Nanodots. Analytical Chemistry, 2007, 79, 4827-4832.	6.5	100
2470	Laser desorption/ionization—Mass spectrometry using mesoporous silicate as matrix for the analysis of various molecules. Biotechnology and Bioprocess Engineering, 2007, 12, 174-179.	2.6	12
2471	Investigation of sample-purification procedures for MALDI-based proteomic studies. Analytical and Bioanalytical Chemistry, 2007, 389, 1047-1053.	3.7	4
2472	Comparison of planar SDS-PAGE, CGE-on-a-chip, and MALDI-TOF mass spectrometry for analysis of the enzymatic de-N-glycosylation of antithrombin III and coagulation factor IX with PNGase F. Analytical and Bioanalytical Chemistry, 2007, 389, 1859-1868.	3.7	14
2473	Determination of Optimal Protein Quantity Required to Identify Abundant and Less Abundant Soybean Seed Proteins by 2D-PAGE and MS. Plant Molecular Biology Reporter, 2007, 25, 55-62.	1.8	2
2474	A new two-dimensional approach to quantitative prediction for collision cross-section of more than 110 singly protonated peptides by a novel moecular electronegativity-interaction vector through quantitative structure-spectrometry relationship studies. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2007, 2, 55-63.	0.4	1
2475	Generation of di-lithiated peptide ions from multiply protonated peptides via ion/ion reactions. International Journal of Mass Spectrometry, 2007, 267, 183-189.	1.5	6
2476	Mass spectrometry of proteinsâ€"Uppsala perspectives on past and present. International Journal of Mass Spectrometry, 2007, 268, 73-82.	1.5	3
2477	A one-way hydrophobic surface foil as sample support for MALDI and off-line CZE/MALDI mass spectrometry: An alternative for low and high molecular mass compounds. International Journal of Mass Spectrometry, 2007, 268, 131-138.	1.5	11
2478	Electrophilic properties of common MALDI matrix molecules. International Journal of Mass Spectrometry, 2007, 268, 1-7.	1.5	10
2479	Resolution and structural transitions of elongated states of ubiquitin. Journal of the American Society for Mass Spectrometry, 2007, 18, 322-331.	2.8	99
2480	Evaluation of a novel approach for peptide sequencing: Laser-induced acoustic desorption combined with P(OCH3)2+ chemical ionization and collision-activated dissociation in a fourier transform ion cyclotron resonance mass spectrometer. Journal of the American Society for Mass Spectrometry, 2007. 18. 525-540.	2.8	8

#	Article	IF	Citations
2481	Fragmentation of leucine enkephalin as a function of laser fluence in a MALDI TOF-TOF. Journal of the American Society for Mass Spectrometry, 2007, 18, 607-616.	2.8	20
2482	Fragmentation of protonated dipeptides containing arginine. Effect of activation method. Journal of the American Society for Mass Spectrometry, 2007, 18, 1959-1966.	2.8	21
2483	High-sensitivity matrix-assisted laser desorption/ionization Fourier transform mass spectrometry analyses of small carbohydrates and amino acids using oxidized carbon nanotubes prepared by chemical vapor deposition as matrix. Analytica Chimica Acta, 2007, 604, 158-164.	5.4	34
2484	Characterization of lysozyme films produced by matrix assisted pulsed laser evaporation (MAPLE). Applied Surface Science, 2007, 253, 6451-6455.	6.1	37
2485	Approaches for systematic proteome exploration. New Biotechnology, 2007, 24, 155-168.	2.7	24
2486	Interferences and contaminants encountered in modern mass spectrometry. Analytica Chimica Acta, 2008, 627, 71-81.	5.4	528
2487	Nested Arg-specific bifunctional crosslinkers for MS-based structural analysis of proteins and protein assemblies. Analytica Chimica Acta, 2008, 627, 117-128.	5.4	26
2488	Review of a current role of mass spectrometry for proteome research. Analytica Chimica Acta, 2008, 624, 16-36.	5.4	100
2489	Charge inversion of polypeptide anions using protein and dendrimer cations as charge inversion reagents. International Journal of Mass Spectrometry, 2008, 276, 102-109.	1.5	17
2490	The analysis of polystyrene and polystyrene aggregates into the mega dalton mass range by cryodetection MALDI TOF MS. Journal of the American Society for Mass Spectrometry, 2008, 19, 219-230.	2.8	59
2491	Collisionally activated dissociation and electron capture dissociation provide complementary structural information for branched permethylated oligosaccharides. Journal of the American Society for Mass Spectrometry, 2008, 19, 138-150.	2.8	80
2492	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
2493	Gas-phase formation of large neutral alkaline-earth metal tryptophan complexes. Journal of the American Society for Mass Spectrometry, 2008, 19, 1021-1026.	2.8	22
2494	On the use of DHB/aniline and DHB/ <i>N,N</i> -dimethylaniline matrices for improved detection of carbohydrates: Automated identification of oligosaccharides and quantitative analysis of sialylated glycans by MALDI-TOF mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 1138-1146.	2.8	62
2495	A matter of fat: An introduction to lipidomic profiling methods. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 871, 174-181.	2.3	115
2496	High-sensitivity analysis of glycosphingolipids by matrix-assisted laser desorption/ionization quadrupole ion trap time-of-flight imaging mass spectrometry on transfer membranes. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 870, 74-83.	2.3	59
2497	Ultra-fast quantitation of saquinavir in human plasma by matrix-assisted laser desorption/ionization and selected reaction monitoring mode detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 872, 68-76.	2.3	42
2498	Behavior of serine proteases thrombin, trypsin, and chymotrypsin under conditions of MALDI-TOF-Mass spectrometry. Theoretical and Experimental Chemistry, 2008, 44, 75-79.	0.8	0

#	Article	IF	CITATIONS
2499	Rapid analysis of pharmaceuticals and excreted xenobiotic and endogenous metabolites with atmospheric pressure infrared MALDI mass spectrometry. Metabolomics, 2008, 4, 297-311.	3.0	22
2500	Influence of sample preparation method and silver salt types on MALDI-TOFMS analysis of polybutadiene. Macromolecular Research, 2008, 16, 108-112.	2.4	7
2501	On the use of different mass spectrometric techniques for characterization of sequence variability in genomic DNA. Analytical and Bioanalytical Chemistry, 2008, 391, 135-149.	3.7	34
2502	Characterization of linear and branched polyacrylates by tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2008, 392, 595-607.	3.7	42
2503	Mass spectrometry for monitoring protease reactions. Analytical and Bioanalytical Chemistry, 2008, 392, 783-92.	3.7	15
2504	MALDI-TOF mass signatures for differentiation of yeast species, strain grouping and monitoring of morphogenesis markers. Analytical and Bioanalytical Chemistry, 2008, 392, 439-449.	3.7	103
2505	Observation of negative alkali ions from alkali halides during 248-nm laser irradiation. Applied Physics A: Materials Science and Processing, 2008, 92, 1025-1030.	2.3	2
2506	Nano-structured support materials, their characterisation and serum protein profiling through MALDI/TOF-MS. Amino Acids, 2008, 34, 279-286.	2.7	11
2507	Mass spectrometrical analysis of the processed metastasis-inducing anterior gradient protein 2 homolog reveals 100% sequence coverage. Amino Acids, 2008, 35, 485-494.	2.7	5
2508	MALDI imaging mass spectrometry for direct tissue analysis: a new frontier for molecular histology. Histochemistry and Cell Biology, 2008, 130, 421-34.	1.7	310
2509	The speciation of the proteome. Chemistry Central Journal, 2008, 2, 16.	2.6	207
2510	PlyC, a novel bacteriophage lysin for compartment―dependent proteomics of group A streptococci. Proteomics, 2008, 8, 140-148.	2.2	25
2511	Application of proteomics technology for analyzing the interactions between host cells and intracellular infectious agents. Proteomics, 2008, 8, 852-873.	2.2	31
2512	<i>In situ</i> localisation and quantification of surfactins in a <i>Bacillus subtilis</i> swarming community by imaging mass spectrometry. Proteomics, 2008, 8, 3682-3691.	2.2	89
2513	Matrix layer sample preparation: An improved MALDIâ€MS peptide analysis method for proteomic studies. Proteomics, 2008, 8, 2583-2595.	2.2	24
2514	Improvements of TArgeted multiplex mass spectrometry IMaging. Proteomics, 2008, 8, 3725-3734.	2.2	47
2515	Protein and peptides in pictures: Imaging with MALDI mass spectrometry. Proteomics, 2008, 8, 3785-3800.	2.2	137
2516	A binary matrix of 2,5â€dihydroxybenzoic acid and glycerol produces homogenous sample preparations for matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 59-66.	1.5	24

#	Article	IF	CITATIONS
2517	Rapid screening of anthocyanins in berry samples by surfactantâ€mediated matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 156-164.	1.5	32
2518	Bare silica nanoparticles as concentrating and affinity probes for rapid analysis of aminothiols, lysozyme and peptide mixtures using atmosphericâ€pressure matrixâ€assisted laser desorption/ionization ion trap and matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry. 2008, 22, 283-290.	1.5	46
2519	Reproducibility of serum protein profiling by systematic assessment using solidâ€phase extraction and matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 291-300.	1.5	32
2520	Wholeâ€eell matrixâ€essisted laser desorption/ionization mass spectrometry for rapid identification of bacteriocin/lantibioticâ€producing bacteria. Rapid Communications in Mass Spectrometry, 2008, 22, 1146-1152.	1.5	50
2521	Development of a dualâ€spray electrospray deposition system for matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 1168-1174.	1.5	11
2522	Reverse micellar microextraction for rapid analysis of thiolâ€containing peptides and amino acids by atmosphericâ€pressure matrixâ€assisted laser desorption/ionization ion trap and matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2008. 22. 1437-1444.	1.5	10
2523	Fragmentâ€controllable mass spectrometric analysis of organic compounds with an infrared laser desorption/tunable vacuum ultraviolet photoionization technique. Rapid Communications in Mass Spectrometry, 2008, 22, 1619-1623.	1.5	28
2524	Laser desorption/ionization mass spectrometry fingerprinting of complex hydrocarbon mixtures: application to crude oils using data mining techniques. Rapid Communications in Mass Spectrometry, 2008, 22, 2220-2226.	1.5	17
2525	Discrimination of <i>Penicillium</i> isolates by matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry fingerprinting. Rapid Communications in Mass Spectrometry, 2008, 22, 2555-2560.	1.5	80
2526	Applications of silver nanoparticles capped with different functional groups as the matrix and affinity probes in surfaceâ€assisted laser desorption/ionization timeâ€ofâ€flight and atmospheric pressure matrixâ€assisted laser desorption/ionization ion trap mass spectrometry for rapid analysis of sulfur drugs and biothiols in human urine. Rapid Communications in Mass Spectrometry, 2008, 22, 2863-2872.	1.5	86
2527	Single drop microextraction using silver nanoparticles as electrostatic probes for peptide analysis in atmospheric pressure matrixâ€assisted laser desorption/ionization mass spectrometry and comparison with gold electrostatic probes and silver hydrophobic probes. Rapid Communications in Mass Spectrometry, 2008, 22, 3076-3086.	1.5	37
2528	A highâ€resolution scanning microprobe matrixâ€assisted laser desorption/ionization ion source for imaging analysis on an ion trap/Fourier transform ion cyclotron resonance mass spectrometer. Rapid Communications in Mass Spectrometry, 2008, 22, 3275-3285.	1.5	134
2529	Electrospray ionization tandem mass spectrometric study on the effect of Nâ \in terminal $\langle i \rangle \hat{l}^2 \langle i \rangle \hat{a} \in$ and $\langle i \rangle \hat{l}^3 \langle i \rangle \hat{a} \in$ carbo amino acids on fragmentation of GABAâ \in hybrid peptides. Rapid Communications in Mass Spectrometry, 2008, 22, 3339-3352.	1.5	9
2530	Matrixâ€assisted laser desorption/ionization quadrupole ion trap timeâ€ofâ€flight (MALDIâ€QITâ€TOF)â€based imaging mass spectrometry reveals a layered distribution of phospholipid molecular species in the mouse retina. Rapid Communications in Mass Spectrometry, 2008, 22, 3415-3426.	1.5	119
2531	Thermal formation of mixedâ€metal inorganic complexes at atmospheric pressure. Rapid Communications in Mass Spectrometry, 2008, 22, 3540-3548.	1.5	15
2532	Using matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry to rapidly screen for albuminuria. Rapid Communications in Mass Spectrometry, 2008, 22, 3754-3760.	1.5	18
2533	Proteomicsâ€based investigations of animal models of disease. Proteomics - Clinical Applications, 2008, 2, 638-653.	1.6	8
2534	Proteomics in diabetic nephropathy. Proteomics - Clinical Applications, 2008, 2, 301-311.	1.6	8

#	ARTICLE	IF	CITATIONS
2535	Direct sequence analysis of proteins by inâ€source fragmentation during delayed ion extraction. Protein Science, 1997, 6, 2446-2453.	7.6	42
2536	Structural characterization of human hemoglobin crosslinked by bis(3,5â€dibromosalicyl) fumarate using mass spectrometric techniques. Protein Science, 1997, 6, 2568-2577.	7.6	24
2538	Onâ€target sample preparation of 4â€sulfophenyl isothiocyanateâ€derivatized peptides using AnchorChip Targets. Journal of Mass Spectrometry, 2008, 43, 346-359.	1.6	13
2539	Preliminary mechanistic information on disulfideâ€bond formation and the role of hydrogen bonds by nanoelectrospray mass spectrometry. Journal of Mass Spectrometry, 2008, 43, 664-673.	1.6	1
2540	A sialylation study of mouse brain gangliosides by MALDI aâ€₹OF and oâ€₹OF mass spectrometry. Journal of Mass Spectrometry, 2008, 43, 716-725.	1.6	32
2541	Differentiation of three pairs of Bocâ€Î²,γ―and γ,βâ€hybrid peptides by electrospray ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2008, 43, 1201-1214.	1.6	12
2542	Clinical perspectives of highâ€resolution mass spectrometryâ€"based proteomics in neuroscienceâ€"Exemplified in amyotrophic lateral sclerosis biomarker discovery research. Journal of Mass Spectrometry, 2008, 43, 559-571.	1.6	40
2543	Negativeâ€mode MALDI mass spectrometry for the analysis of pigments using tetrathiafulvalene as a matrix. Journal of Mass Spectrometry, 2008, 43, 1494-1501.	1.6	11
2544	Protein structure and dynamics studied by mass spectrometry: H/D exchange, hydroxyl radical labeling, and related approaches. Journal of Mass Spectrometry, 2008, 43, 1021-1036.	1.6	177
2545	Informatics development: Challenges and solutions for MALDI mass spectrometry. Mass Spectrometry Reviews, 2008, 27, 1-19.	5.4	16
2546	Insights into virus capsid assembly from nonâ€covalent mass spectrometry. Mass Spectrometry Reviews, 2008, 27, 575-595.	5.4	47
2547	Mass spectrometry in systems biology: An overview. Mass Spectrometry Reviews, 2008, 27, 635-660.	5.4	91
2548	Functionalizedâ€multiwalled carbon nanotubes as a preconcentrating probe for rapid monitoring of cationic dyestuffs in environmental water using APâ€MALDI/MS. Journal of Separation Science, 2008, 31, 3603-3611.	2.5	10
2549	Infrared Multipleâ€Photon Dissociation Mechanisms of Peptides of Glycine. Chemistry - A European Journal, 2008, 14, 7765-7770.	3.3	13
2550	Proton/Hydrogenâ€Transfer Coordinate of 2,5â€Dihydroxybenzoic Acid Investigated in a Supersonic Beam: Combined IR/UV Spectroscopy in the S ₀ , S ₁ , and D ₀ States. ChemPhysChem, 2008, 9, 2592-2600.	2.1	9
2551	The next generation of DNA profiling – STR typing by multiplexed PCR – ionâ€pair RP LC–ESI timeâ€ofâ€flig MS. Electrophoresis, 2008, 29, 4739-4750.	ht 2.4	25
2552	Shining New Light on an Old Problem: Retooling MALDI Mass Spectrometry for Organotransitionâ€Metal Catalysis. Angewandte Chemie - International Edition, 2008, 47, 303-306.	13.8	60
2554	Parameters contributing to efficient ion generation in aerosol MALDI mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 315-324.	2.8	17

#	Article	IF	CITATIONS
2555	Mass spectrometric profiling of N-linked oligosaccharides and uncommon glycoform in mouse serum with head and neck tumor. Journal of the American Society for Mass Spectrometry, 2008, 19, 671-685.	2.8	30
2556	Atmospheric pressure photoionization mass spectrometry of polyisobutylene derivatives. Journal of the American Society for Mass Spectrometry, 2008, 19, 656-665.	2.8	15
2557	Imaging the Morphology of Solvent-Free Prepared MALDI Samples. Journal of the American Society for Mass Spectrometry, 2008, 19, 874-881.	2.8	29
2558	Charge assisted laser desorption/ionization mass spectrometry of droplets. Journal of the American Society for Mass Spectrometry, 2008, 19, 833-840.	2.8	17
2559	MALDI tissue profiling of integral membrane proteins from ocular tissues. Journal of the American Society for Mass Spectrometry, 2008, 19, 814-822.	2.8	25
2560	Using fluorescence dyes as a tool for analyzing the MALDI process. Journal of the American Society for Mass Spectrometry, 2008, 19, 1054-1061.	2.8	14
2561	Comparison of the internal energy deposition of venturi-assisted electrospray ionization and a venturi-assisted array of micromachined ultrasonic electrosprays (AMUSE). Journal of the American Society for Mass Spectrometry, 2008, 19, 1320-1329.	2.8	18
2562	Focus on desorption ionization and macromolecular mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 1041-1044.	2.8	O
2563	Trapping of Intact, Singly-Charged, Bovine Serum Albumin Ions Injected from the Atmosphere with a 10-cm Diameter, Frequency-Adjusted Linear Quadrupole Ion Trap. Journal of the American Society for Mass Spectrometry, 2008, 19, 1942-1947.	2.8	21
2564	A Hierarchical Algorithm for Calculating the Isotopic Fine Structures of Molecules. Journal of the American Society for Mass Spectrometry, 2008, 19, 1867-1874.	2.8	25
2565	Renaturation, purification and characterization of streptokinase expressed as inclusion body in recombinant E. coli. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 861, 218-226.	2.3	16
2566	Highly efficient peptide separations in proteomics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 866, 48-63.	2.3	87
2567	Experimental and computational approaches to quantitative proteomics: Status quo and outlook. Journal of Proteomics, 2008, 71, 19-33.	2.4	108
2568	Quantitative proteomics as a new piece of the systems biology puzzle. Journal of Proteomics, 2008, 71, 357-367.	2.4	73
2569	Quantitative analysis of polypeptide pharmaceuticals by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 411-417.	2.8	10
2570	Characterization of horse spleen apoferritin reactive lysines by MALDI-TOF mass spectrometry combined with enzymatic digestion. Bioorganic Chemistry, 2008, 36, 255-260.	4.1	11
2571	Characterization of antibody–antigen interactions: Comparison between surface plasmon resonance measurements and high-mass matrix-assisted laser desorption/ionization mass spectrometry. Analytical Biochemistry, 2008, 375, 35-45.	2.4	40
2572	Discrimination of Aspergillus isolates at the species and strain level by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry fingerprinting. Analytical Biochemistry, 2008, 380, 276-281.	2.4	113

#	Article	IF	CITATIONS
2573	Current approaches for global post-translational modification discovery and mass spectrometric analysis. Analytica Chimica Acta, 2008, 627, 50-61.	5.4	48
2574	Improved peptide mass fingerprinting matches via optimized sample preparation in MALDI mass spectrometry. Analytica Chimica Acta, 2008, 627, 162-168.	5.4	17
2575	Oxidized multiwalled carbon nanotubes for quantitative determination of cationic surfactants in water samples using atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry. Analytica Chimica Acta, 2008, 628, 198-203.	5.4	32
2576	Mass spectrometry for proteomics. Current Opinion in Chemical Biology, 2008, 12, 483-490.	6.1	603
2577	Mass spectrometry analysis of oxidized phospholipids. Chemistry and Physics of Lipids, 2008, 156, 1-12.	3.2	148
2578	Wavelength dependence of matrix-assisted laser desorption and ionization using a tunable mid-infrared laser. International Journal of Mass Spectrometry, 2008, 270, 134-138.	1.5	9
2579	Influence of salt bridge interactions on the gas-phase stability of DNA/peptide complexes. International Journal of Mass Spectrometry, 2008, 278, 122-128.	1.5	21
2580	Transferring pharmaceuticals into the gas phase. International Journal of Mass Spectrometry, 2008, 277, 305-308.	1.5	7
2581	Surface assisted laser desorption–ionization mass spectrometry on patterned nanoporous silica thin films. Microporous and Mesoporous Materials, 2008, 114, 193-200.	4.4	9
2582	α-helixâ†"random coil phase transition: analysis of ab initio theory predictions. European Physical Journal D, 2008, 46, 227-240.	1.3	19
2583	On the prospects of interferometry and deflectometry for characterizing large molecules. European Physical Journal: Special Topics, 2008, 159, 1-9.	2.6	1
2584	Chemical Preparation and Structural Characterization of a Homogeneous Series of Chitin/Chitosan Oligomers. Biomacromolecules, 2008, 9, 1731-1738.	5.4	132
2585	Layer-by-Layer Self-Assembled Mutilayer Films of Gold Nanoparticles for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2008, 80, 7524-7533.	6.5	104
2586	Identification of Tyr438 as the major in vitro c‧rc phosphorylation site in human gelsolin: A mass spectrometric approach. Protein Science, 1999, 8, 234-241.	7.6	56
2587	Locating and identifying posttranslational modifications by inâ€source decay during MALDIâ€TOF mass spectrometry. Protein Science, 1999, 8, 2487-2493.	7.6	51
2588	Structural and phylogenetic characterization of human SLURPâ€1, the first secreted mammalian member of the Lyâ€6/uPAR protein superfamily. Protein Science, 1999, 8, 810-819.	7.6	114
2589	Detection of intact megaDalton protein assemblies of vanillylâ€alcohol oxidase by mass spectrometry. Protein Science, 2000, 9, 435-439.	7.6	97
2590	State of the Art Mass Spectrometric and Chromatographic Techniques for Drug Analysis. ACS Symposium Series, 2008, , 283-298.	0.5	0

#	Article	IF	CITATIONS
2591	lonic Liquid Matrixes Optimized for MALDI-MS of Sulfated/Sialylated/Neutral Oligosaccharides and Glycopeptides. Analytical Chemistry, 2008, 80, 2171-2179.	6.5	114
2592	From genome to proteome: great progress in the domesticated silkworm (<italic>Bombyx) Tj ETQo</italic>	q1 _{2.0} 0.784	1314 rgBT /(
2593	Expression System for Synthesis and Purification of Recombinant Human Growth Hormone in Pichia pastoris and Structural Analysis by MALDI-ToF Mass Spectrometry. Biotechnology Progress, 2008, 24, 221-226.	2.6	25
2594	Application of proteomic technology in eye research: a mini review. Australasian journal of optometry, The, 2008, 91, 23-33.	1.3	19
2595	The Future of Large-Scale Collaborative Proteomics. Proceedings of the IEEE, 2008, 96, 1292-1309.	21.3	7
2596	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Using a Mid-Infrared Tunable Laser for Direct Protein Analysis. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 113-117.	2.9	2
2597	A simple and accurate SNP scoring strategy based on typelIS restriction endonuclease cleavage and matrix-assisted laser desorption/ionization mass spectrometry. BMC Genomics, 2008, 9, 276.	2.8	5
2598	Proteomics: Methodologies and Applications in Oncology. Seminars in Radiation Oncology, 2008, 18, 115-125.	2.2	27
2599	Structural investigations of polypropylene glycol (PPG) and isophorone diisocyanate (IPDI) based polyurethane prepolymer by matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF)-mass spectrometry. Progress in Organic Coatings, 2008, 62, 117-122.	3.9	15
2600	Tubulin Proteomics in Cancer., 2008, , 193-210.		0
2601	Mass Spectrometry-Based Proteomics: Identifying Plant Proteins. , 0, , 33-45.		3
2602	On the role of defects and surface chemistry for surface-assisted laser desorption ionization from silicon. Journal of Chemical Physics, 2008, 128, 014711.	3.0	102
2603	Molecular Recognition Using Amphiphilic Macromolecules., 0,, 9-36.		1
2605	High-energy pulsed tunable mid-infrared laser aids biomedical applications. SPIE Newsroom, 2008, , .	0.1	6
2607	Detection of co-eluted peptides using database search methods. Biology Direct, 2008, 3, 27.	4.6	22
2608	Proteomics with a pinch of salt: A cyanobacterial perspective. Saline Systems, 2008, 4, 1.	2.0	114
2609	Utility of mass spectrometry for proteome ana lysis: part I. Conceptual and experimental approaches. Expert Review of Proteomics, 2008, 5, 841-864.	3.0	45
2611	Infrared laser-assisted desorption electrospray ionization mass spectrometry. Analyst, The, 2008, 133, 226-232.	3.5	115

#	Article	IF	CITATIONS
2614	Desorption Ionization of Biomolecules on Metals. Analytical Chemistry, 2008, 80, 5203-5210.	6.5	32
2615	A homemade high-resolution orthogonal-injection time-of-flight mass spectrometer with a heated capillary inlet. Review of Scientific Instruments, 2008, 79, 013109.	1.3	13
2616	Matrixâ€Assisted Laser Desorption/Ionization Timeâ€ofâ€Flight Mass Spectrometry of Oligonucleotides. Current Protocols in Nucleic Acid Chemistry, 2008, 33, Unit 10.1.	0.5	16
2617	Proteins, Proteomics, and the Dysproteinemias. , 2008, , 117-155.		132
2618	Developments in MALDI Mass Spectrometry: The Quest for the Perfect Matrix. Applied Spectroscopy Reviews, 2008, 43, 485-550.	6.7	44
2619	Electrospray-Assisted Laser Desorption/Ionization Mass Spectrometry for Continuously Monitoring the States of Ongoing Chemical Reactions in Organic or Aqueous Solution under Ambient Conditions. Analytical Chemistry, 2008, 80, 7699-7705.	6.5	77
2620	Proteomics and its Application to the Human-Pathogenic Fungi Aspergillus fumigatus and Candida albicans., 2008,, 155-186.		2
2621	Human and Animal Relationships. , 2008, , .		5
2622	Functional Proteomics. Methods in Molecular Biology, 2008, 484, v-vii.	0.9	7
2623	Mass spectrometry in proteomics. , 2008, , 173-194.		0
2624	Data Mining and Applications in Genomics. Lecture Notes in Electrical Engineering, 2008, , .	0.4	6
2625	Peptidomics in drug research. Expert Opinion on Drug Discovery, 2008, 3, 425-440.	5.0	16
2626	GlycomicsGlycomics and Mass SpectrometryMass spectrometry (MS)., 2008,, 2191-2217.		4
2627	Biomolecule Analysis by Ion Mobility Spectrometry. Annual Review of Analytical Chemistry, 2008, 1, 293-327.	5.4	437
2628	Gold Nanoparticles as a Matrix for Visible-Wavelength Single-Particle Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry of Small Biomolecules. Journal of Physical Chemistry C, 2008, 112, 4083-4090.	3.1	41
2629	Genomics and Proteomics in Predicting Cancer Outcomes. Surgical Oncology Clinics of North America, 2008, 17, 257-277.	1.5	6
2630	Molekülspektroskopie. Springer-Lehrbuch, 2008, , 211-290.	0.0	0
2631	Carbohydrate Structure Determination by Mass Spectrometry. , 2008, , 29-57.		5

#	Article	IF	CITATIONS
2632	Tautomerism of Uracil Probed via Infrared Spectroscopy of Singly Hydrated Protonated Uracil. Journal of Physical Chemistry A, 2008, 112, 12393-12400.	2.5	96
2633	Interaction of giant extracellular Glossoscolex paulistus hemoglobin (HbGp) with ionic surfactants: A MALDI-TOF-MS study. International Journal of Biological Macromolecules, 2008, 42, 111-119.	7.5	17
2634	CRHR1-dependent effects on protein expression and posttranslational modification in AtT-20 cells. Molecular and Cellular Endocrinology, 2008, 292, 1-10.	3.2	6
2635	LC-MS for protein characterization: current capabilities and future trends. Expert Review of Proteomics, 2008, 5, 435-444.	3.0	50
2636	A New Method for Mass Spectrometry of Polyethylene Waxes: The Chloride Ion Attachment Technique by Atmospheric Pressure Photoionization. Macromolecules, 2008, 41, 3772-3774.	4.8	19
2637	Analyzing RNA-Protein Crosslinking Sites in Unlabeled Ribonucleoprotein Complexes by Mass Spectrometry. Methods in Molecular Biology, 2008, 488, 221-245.	0.9	14
2638	Investigating the Quantitative Nature of MALDI-TOF MS. Molecular and Cellular Proteomics, 2008, 7, 2410-2418.	3.8	126
2639	Monitoring of transcriptome and proteome profiles to investigate the cellular response of E. coli towards recombinant protein expression under defined chemostat conditions. Journal of Biotechnology, 2008, 135, 34-44.	3.8	53
2640	Steroidal Saponins. Progress in the Chemistry of Organic Natural Products, 2008, 89, 45-141.	1.1	31
2641	A Review of Analytical Methods for the Identification and Characterization of Nano Delivery Systems in Food. Journal of Agricultural and Food Chemistry, 2008, 56, 8231-8247.	5.2	213
2642	Quantitative LCâ^'MS of Polymers: Determining Accurate Molecular Weight Distributions by Combined Size Exclusion Chromatography and Electrospray Mass Spectrometry with Maximum Entropy Data Processing. Analytical Chemistry, 2008, 80, 6915-6927.	6.5	110
2643	APCI Interface for LCâ^' and SECâ^'MS Analysis of Synthetic Polymers:  Advantages and Limits. Analytical Chemistry, 2008, 80, 783-792.	6.5	34
2644	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometric Analysis of Cellular Glycerophospholipids Enabled by Multiplexed Solvent Dependent Analyteâ Matrix Interactions. Analytical Chemistry, 2008, 80, 7576-7585.	6.5	197
2645	Recent Advances in Real-time Mass Spectrometry Detection of Bacteria. , 2008, , 929-954.		5
2646	High-throughput proteomics of breast carcinoma cells: a focus on FTICR-MS. Expert Review of Proteomics, 2008, 5, 445-455.	3.0	7
2647	Bioactive Natural Peptides. Studies in Natural Products Chemistry, 2008, 35, 597-691.	1.8	17
2648	Metallacarboranes as Building Blocks for Polyanionic Polyarmed Aryl-Ether Materials. Inorganic Chemistry, 2008, 47, 9497-9508.	4.0	62
2649	An Optimized MALDI Mass Spectrometry Method for Improved Detection of Lysine/Arginine/Histidine Free Peptides. Journal of Proteome Research, 2008, 7, 5062-5069.	3.7	9

#	ARTICLE	IF	Citations
2650	Tandem Mass Spectrometry Characteristics of Silver-Cationized Polystyrenes:  Internal Energy, Size, and Chain End versus Backbone Substituent Effects. Analytical Chemistry, 2008, 80, 355-362.	6.5	48
2651	Tandem Mass Spectrometry Characteristics of Silver-Cationized Polystyrenes:Â Backbone Degradation via Free Radical Chemistry. Analytical Chemistry, 2008, 80, 347-354.	6.5	48
2652	Explosive Desorption and Fragmentation of Molecular Ion from Solid Fullerene by Intense Nonresonant Femtosecond Laser Pulses. Journal of Physical Chemistry A, 2008, 112, 5781-5785.	2.5	8
2653	Gas-Phase Fragmentation of Peptides by MALDI in-Source Decay with Limited Amide Hydrogen (¹ H/ ^{H/sup>H) Scrambling. Analytical Chemistry, 2008, 80, 6431-6435.}	6.5	35
2654	Chapter 13 Imaging of Cells and Tissues with Mass Spectrometry. Methods in Cell Biology, 2008, 89, 361-390.	1.1	35
2655	Modified Silver Nanoparticle as a Hydrophobic Affinity Probe for Analysis of Peptides and Proteins in Biological Samples by Using Liquidâ^'Liquid Microextraction Coupled to AP-MALDI-Ion Trap and MALDI-TOF Mass Spectrometry. Analytical Chemistry, 2008, 80, 2583-2589.	6.5	93
2656	Isotopic Peak Intensity Ratio Based Algorithm for Determination of Isotopic Clusters and Monoisotopic Masses of Polypeptides from High-Resolution Mass Spectrometric Data. Analytical Chemistry, 2008, 80, 7294-7303.	6.5	35
2657	Application of Targeted Quantitative Proteomics Analysis in Human Cerebrospinal Fluid Using a Liquid Chromatography Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Tandem Mass Spectrometer (LC MALDI TOF/TOF) Platform. Journal of Proteome Research, 2008, 7, 720-730.	3.7	67
2658	Reactive-Electrospray-Assisted Laser Desorption/Ionization for Characterization of Peptides and Proteins. Analytical Chemistry, 2008, 80, 6995-7003.	6.5	71
2659	Improved Procedure for Direct Coupling of Carbohydrates to Proteins via Reductive Amination. Bioconjugate Chemistry, 2008, 19, 1485-1490.	3.6	86
2660	Detection of Native Protein Ions in Aqueous Solution under Ambient Conditions by Electrospray Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2008, 80, 4845-4852.	6.5	71
2661	Novel Three-Dimensional MALDI Plate for Interfacing High-Capacity LC Separations with MALDI-TOF. Analytical Chemistry, 2008, 80, 9115-9123.	6.5	11
2662	Development and Characterization of an Ionization Technique for Analysis of Biological Macromolecules: Liquid Matrix-Assisted Laser Desorption Electrospray Ionization. Analytical Chemistry, 2008, 80, 6773-6778.	6.5	47
2663	Dynamic Electrowetting on Nanofilament Silicon for Matrix-Free Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2008, 80, 2973-2981.	6.5	42
2664	Online Microwave D-Cleavage LC-ESI-MS/MS of Intact Proteins: Site-Specific Cleavages at Aspartic Acid Residues and Disulfide Bonds. Journal of Proteome Research, 2008, 7, 1012-1026.	3.7	33
2665	Direct Probe-Atmospheric Pressure Chemical Ionization Mass Spectrometry of Cross-Linked Copolymers and Copolymer Blends. Analytical Chemistry, 2008, 80, 7778-7785.	6.5	41
2666	Sequential Tyrosine Sulfation of CXCR4 by Tyrosylprotein Sulfotransferases. Biochemistry, 2008, 47, 11251-11262.	2.5	84
2667	MALDI MS Sample Preparation by Using Paraffin Wax Film:Â Systematic Study and Application for Peptide Analysis. Analytical Chemistry, 2008, 80, 491-500.	6.5	35

#	Article	IF	CITATIONS
2668	Combined Experimental and Statistical Strategy for Mass Spectrometry Based Serum Protein Profiling for Diagnosis of Breast Cancer: A Case-Control Study. Journal of Proteome Research, 2008, 7, 1419-1426.	3.7	42
2670	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
2671	MALDI-TOF Mass Spectrometry in Textile Industry. NATO Science for Peace and Security Series A: Chemistry and Biology, 2008, , 193-203.	0.5	1
2672	Application of MALDI/SELDI Mass Spectrometry to Cancer Biomarker Discovery and Validation. Current Proteomics, 2008, 5, 224-252.	0.3	11
2673	Mass Spectrometry for Studying the Interaction between Small Molecules and Proteins. Current Proteomics, 2008, 5, 20-34.	0.3	9
2674	Metabolomics. Circulation: Cardiovascular Genetics, 2008, 1, 58-65.	5.1	63
2675	Mass spectrometry instrumentation and techniques. , 2008, , 93-140.		2
2676	The flexible C terminus of the rotavirus non-structural protein NSP4 is an important determinant of its biological properties. Journal of General Virology, 2008, 89, 1485-1496.	2.9	19
2677	Identification of Pro-MMP-7 as a Serum Marker for Renal Cell Carcinoma by Use of Proteomic Analysis. Clinical Chemistry, 2008, 54, 574-581.	3.2	50
2678	The Sphingolipid Long-chain Base-Pkh1/2-Ypk1/2 Signaling Pathway Regulates Eisosome Assembly and Turnover. Journal of Biological Chemistry, 2008, 283, 10433-10444.	3.4	107
2679	Detection of a & Detection of a wamp;#947;-Carboxy-Glutamate as Novel Post-Translational Modification of Human Transthyretin. Protein and Peptide Letters, 2008, 15, 43-46.	0.9	13
2680	Biomarker Discovery in Clinical Proteomics: Strategies for Exposing Low Abundant Proteins. Current Proteomics, 2008, 5, 104-114.	0.3	4
2681	A Novel Chromatographic Method Allows On-line Reanalysis of the Proteome. Molecular and Cellular Proteomics, 2008, 7, 1452-1459.	3.8	27
2682	Methods and approaches for the comprehensive characterization and quantification of cellular proteomes using mass spectrometry. Physiological Genomics, 2008, 33, 3-11.	2.3	47
2684	Chapter 10 Bottom-Up Mass Spectrometry Analysis of Integral Membrane Protein Structure and Topology. Comprehensive Analytical Chemistry, 2008, 52, 213-243.	1.3	0
2685	Technological developments in lipidomics. Briefings in Functional Genomics & Proteomics, 2008, 7, 395-409.	3.8	37
2686	Time Resolution Improvement of Superconducting NbN Stripline Detectors for Time-of-Flight Mass Spectrometry. Applied Physics Express, 0, 1, 031702.	2.4	44
2687	Amyloidogenic and Associated Proteins in Systemic Amyloidosis Proteome of Adipose Tissue. Molecular and Cellular Proteomics, 2008, 7, 1570-1583.	3.8	134

#	ARTICLE	IF	Citations
2688	Coupling Genetics and Proteomics To Identify Aphid Proteins Associated with Vector-Specific Transmission of Polerovirus (<i>Luteoviridae</i>). Journal of Virology, 2008, 82, 291-299.	3.4	80
2689	Chapter 9 Probing the Structure and Function of Integral Membrane Proteins by Mass Spectrometry. Comprehensive Analytical Chemistry, 2008, , 197-521.	1.3	0
2690	Sensitive detection of point mutation by electrochemiluminescence and DNA ligase-based assay. , 2008, , .		0
2691	Infrared-based protein detection arrays for quantitative proteomics. Expert Opinion on Drug Discovery, 2008, 3, 273-283.	5.0	2
2692	The Structural Analysis of Large Noncovalent Oxygen Binding Proteins by MALLS and ESI-MS: A Review on Annelid Hexagonal Bilayer Hemoglobin and Crustacean Hemocyanin. Current Protein and Peptide Science, 2008, 9, 150-180.	1.4	13
2693	Ion thermalization using pressure transients in a quadrupole ion trap coupled to a vacuum matrix-assisted laser desorption ionization source and a reflectron time-of-flight mass analyzer. Review of Scientific Instruments, 2008, 79, 055103.	1.3	5
2694	Exploring Biosignatures Associated with Thenardite by Geomatrix-Assisted Laser Desorption/Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry (GALDI-FTICR-MS). Geomicrobiology Journal, 2008, 25, 432-440.	2.0	12
2695	4-Chloro-α-cyanocinnamic acid is an advanced, rationally designed MALDI matrix. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12200-12205.	7.1	143
2696	Chapter 1 An Introduction to the Basic Principles and Concepts of Mass Spectrometry. Comprehensive Analytical Chemistry, 2008, , 1-46.	1.3	3
2697	A Brief Summary of the Different Types of Mass Spectrometers Used in Proteomics. Methods in Molecular Biology, 2008, 484, 3-16.	0.9	4
2698	Inhibition of cytotoxicity and amyloid fibril formation by a D-amino acid peptide that specifically binds to Alzheimer's disease amyloid peptide. Protein Engineering, Design and Selection, 2008, 21, 241-246.	2.1	74
2700	Structural Characterization of Polymers by Soft Laser Desorption/Ionization-Mass Spectrometry. Bunseki Kagaku, 2008, 57, 147-155.	0.2	6
2701	The emerging role of MS in structure elucidation of protein–nucleic acid complexes. Biochemical Society Transactions, 2008, 36, 723-731.	3.4	19
2702	High-resolution mass spectrometry analysis of protein oxidations and resultant loss of function. Biochemical Society Transactions, 2008, 36, 1037-1044.	3.4	24
2703	Chapter 11 Covalent Trapping of Protein Interactions in Complex Systems. Comprehensive Analytical Chemistry, 2008, , 245-525.	1.3	0
2704	Exposure of mallards (Anas platyrhynchos) to the hepatotoxic cyanobacteriumNodularia spumigena. Toxicological and Environmental Chemistry, 2008, 90, 437-444.	1.2	1
2705	Wavelength Dependence of Infrared Matrix-Assisted Laser Desorption/Ionization and Its Application. Journal of the Mass Spectrometry Society of Japan, 2008, 56, 235-240.	0.1	1
2706	High throughput analysis of proteins using mid-infrared laser. Proceedings of SPIE, 2008, , .	0.8	0

#	Article	IF	CITATIONS
2710	Molecular imaging by mass spectrometry. , 2008, , 533-554.		3
2711	Protein Characterization by Biological Mass Spectrometry. , 0, , 145-167.		0
2712	Application of Mass Spectrometry to Coordination Chemistry. Journal of the Mass Spectrometry Society of Japan, 2008, 56, 247-262.	0.1	4
2714	Mass Spectrometry in Cancer Biology. , 2008, , 293-307.		2
2715	Mass spectrometry of infectious pathogens. , 2008, , 291-308.		1
2716	Glycan Analysis by Mass Spectrometry. Trends in Glycoscience and Glycotechnology, 2008, 20, 51-65.	0.1	3
2717	UV-MALDI-TOF MS Analysis of Carbohydrates. Reviewing Comparative Studies Performed Using nor-Harmane and Classical UV-MALDI Matrices. Environmental Control in Biology, 2008, 46, 65-90.	0.7	6
2718	Assessment of Suitability of Magnetic Beads for Purification of Rat Plasma in Proteomic Analyses by Matrix-Assisted Laser Desorption IonizationTime-of-Flight MS. Journal of AOAC INTERNATIONAL, 2009, 92, 1652-1657.	1.5	4
2721	Proteomics strategies for target identification and biomarker discovery in cancer. Frontiers in Bioscience - Landmark, 2009, Volume, 3292.	3.0	51
2722	Analysis of insoluble proteins. BioTechniques, 2009, 46, 321-326.	1.8	3
2723	Analysis of insoluble proteins. BioTechniques, 2009, 46, 409-419.	1.8	31
2725	Approaching clinical proteomics: current state and future fields of application in fluid proteomics. Clinical Chemistry and Laboratory Medicine, 2009, 47, 724-44.	2.3	112
2726	Liquid chromatography–mass spectrometry: a tool for proteome analysis and biomarker discovery and validation. Expert Opinion on Medical Diagnostics, 2009, 3, 429-444.	1.6	10
2727	A proposal to introduce a topic of contemporary physics into high-school teaching. Physics Education, 2009, 44, 511-516.	0.5	3
2728	Overview of Mass Spectrometric Based Techniques Applied in the Cultural Heritage Field., 0,, 37-74.		7
2729	GALDI-MS Applied to Characterise Natural Varnishes and Binders. , 0, , 131-163.		5
2730	Small-molecule affinity chromatography coupled mass spectrometry for drug target deconvolution. Expert Opinion on Drug Discovery, 2009, 4, 701-714.	5.0	22
2731	Mass spectrometric top-down analysis of proteins. Bioanalysis, 2009, 1, 1131-1148.	1.5	19

#	Article	IF	CITATIONS
2732	Potential Energy Surface Calculations of Alanine Dipeptide using BVWN Density Functional Approach and 6-311G Basis Set. Materials Research Society Symposia Proceedings, 2009, 1219, 4081.	0.1	0
2733	Proteomics: Challenges, Techniques and Possibilities to Overcome Biological Sample Complexity. Human Genomics and Proteomics, 2009, 1, .	1.5	283
2734	Recent Developments of Useful MALDI Matrices for the Mass Spectrometric Characterization of Apolar Compounds. Current Organic Chemistry, 2009, 13, 1664-1681.	1.6	51
2735	Genomics and Proteomics in Drug Design and Discovery. , 2009, , 561-573.		2
2736	Surface analysis by imaging mass spectrometry. Collection of Czechoslovak Chemical Communications, 2009, 74, 1101-1116.	1.0	8
2737	Significance of N-Terminal Proteolysis of CCL14a to Activity on the Chemokine Receptors CCR1 and CCR5 and the Human Cytomegalovirus-Encoded Chemokine Receptor US28. Journal of Immunology, 2009, 183, 1229-1237.	0.8	19
2738	Optimization of MALDI tissue imaging and correlation with immunohistochemistry in rat kidney sections. Bioscience Horizons, 2009, 2, 134-146.	0.6	6
2739	Technologies in the Whole-Genome Age: MALDI-TOF-Based Genotyping. Transfusion Medicine and Hemotherapy, 2009, 36, 253-262.	1.6	25
2740	Elastase Digests. Molecular and Cellular Proteomics, 2009, 8, 1029-1043.	3.8	63
2741	Effect of thenardite on the direct detection of aromatic amino acids: implications for the search for life in the solar system. International Journal of Astrobiology, 2009, 8, 291-300.	1.6	7
2742	Covalently bound fluorescent probes as reporters for hydroxyl radical penetration into liposomal membranes. Free Radical Biology and Medicine, 2009, 46, 1376-1385.	2.9	11
2743	Identification of total and differentially expressed excreted–secreted proteins from Trypanosoma congolense strains exhibiting different virulence and pathogenicity. International Journal for Parasitology, 2009, 39, 1137-1150.	3.1	42
2744	Nanostructured Affinity Surfaces for MALDI-TOF-MS–Based Protein Profiling and Biomarker Discovery. , 0, , 421-456.		0
2745	Detection in Miniaturized Analytical Systems. , 0, , 213-261.		1
2747	Chiral and structural analysis of biomolecules using mass spectrometry and ion mobilityâ€mass spectrometry. Chirality, 2009, 21, E253-64.	2.6	57
2748	Sequence Analysis of an Isocyanate Oligomer by MALDIâ€₹OF Mass Spectrometry Using Collision Induced Dissociation. Macromolecular Chemistry and Physics, 2009, 210, 1957-1965.	2.2	17
2749	Mass spectrometry for structural characterization of therapeutic antibodies. Mass Spectrometry Reviews, 2009, 28, 147-176.	5.4	287
2750	Proteomics of regulated secretory organelles. Mass Spectrometry Reviews, 2009, 28, 844-867.	5.4	27

#	Article	IF	CITATIONS
2751	To b or not to b: The ongoing saga of peptide b ions. Mass Spectrometry Reviews, 2009, 28, 640-654.	5 . 4	146
2752	A review of current applications of mass spectrometry for neuroproteomics in epilepsy. Mass Spectrometry Reviews, 2010, 29, 197-246.	5.4	14
2753	Alkaliâ€hydroxideâ€doped matrices for structural characterization of neutral underivatized oligosaccharides by MALDI timeâ€ofâ€flight mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 375-383.	1.6	16
2754	Study on the redox reactions for organic dyes and <i>S</i> à€nitrosylated peptide in electrospray droplet impact. Journal of Mass Spectrometry, 2009, 44, 461-465.	1.6	15
2755	Modern MALDI timeâ€ofâ€flight mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 303-317.	1.6	73
2756	The analysis of industrial synthetic polymers by electrospray droplet impact/secondary ion mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 945-951.	1.6	21
2757	Flavonoid–matrix cluster ions in MALDI mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 1105-1113.	1.6	14
2758	Chemically modified porous silicon for laser desorption/ionization mass spectrometry of ionic dyes. Journal of Mass Spectrometry, 2009, 44, 1234-1240.	1.6	20
2759	From large analogical instruments to small digital black boxes: 40 years of progress in mass spectrometry and its role in proteomics. Part II 1985–2000. Journal of Mass Spectrometry, 2009, 44, 1137-1161.	1.6	17
2760	Tandem mass spectrometry of synthetic polymers. Journal of Mass Spectrometry, 2009, 44, 1277-1286.	1.6	79
2761	Analysis of antioxidants in insulation cladding of copper wire: a comparison of different mass spectrometric techniques (ESl–IT, MALDI–RTOF and RTOF–SIMS). Journal of Mass Spectrometry, 2009, 44, 1724-1732.	1.6	10
2762	MALDI TOFâ€TOF characterization of a light stabilizer polymer contaminant from polypropylene or polyethylene plastic test tubes. Journal of Mass Spectrometry, 2010, 45, 43-50.	1.6	20
2763	A convenient purification and preconcentration of peptides with αâ€cyanoâ€4â€hydroxycinnamic acid matrix crystals in a pipette tip for matrixâ€assisted laser desorption/ionization mass spectrometry. Journal of Mass Spectrometry, 2010, 45, 104-111.	1.6	5
2764	Characterization of high molecular weight multimeric states of human haptoglobin and hemoglobinâ€based oxygen carriers by highâ€mass MALDI MS. Journal of Separation Science, 2009, 32, 1224-1230.	2.5	43
2765	Design and optimization of porous polymer enzymatic digestors for proteomics. Journal of Separation Science, 2009, 32, 2642-2652.	2.5	20
2767	Ultraviolet Photodissociation: Developments towards Applications for Massâ€Spectrometryâ€Based Proteomics. Angewandte Chemie - International Edition, 2009, 48, 7130-7137.	13.8	123
2768	In Vivo, In Situ Tissue Analysis Using Rapid Evaporative Ionization Mass Spectrometry. Angewandte Chemie - International Edition, 2009, 48, 8240-8242.	13.8	261
2769	Spectroscopic detection and identification of infected cells with herpes viruses. Biopolymers, 2009, 91, 61-67.	2.4	14

#	Article	IF	CITATIONS
2770	Characterization of nucleic acid higher order structure by gasâ€phase H/D exchange in a quadrupoleâ€FTâ€ICR mass spectrometer. Biopolymers, 2009, 91, 256-264.	2.4	16
2771	Identifying gelâ€separated proteins using inâ€gel digestion, mass spectrometry, and database searching. Biochemistry and Molecular Biology Education, 2009, 37, 49-55.	1.2	23
2772	Isolation and identification of two novel SDSâ€resistant secreted chitinases from <i>Aeromonas schubertii</i> . Biotechnology Progress, 2009, 25, 124-131.	2.6	29
2773	Expression system for recombinant human growth hormone production from <i>Bacillus subtilis</i> Biotechnology Progress, 2009, 25, 75-84.	2.6	28
2774	Mimicking direct protein–protein and solvent-mediated interactions in the CDP-methylerythritol kinase homodimer: a pharmacophore-directed virtual screening approach. Journal of Molecular Modeling, 2009, 15, 997-1007.	1.8	17
2775	Quantification of target proteins using hydrogel antibody arrays and MALDI time-of-flight mass spectrometry (A2M2S). New Biotechnology, 2009, 25, 404-416.	4.4	8
2776	Analyte distributions in MALDI samples using MALDI imaging mass spectrometry. International Journal of Mass Spectrometry, 2009, 281, 41-51.	1.5	22
2777	Internal energy deposition with silicon nanoparticle-assisted laser desorption/ionization (SPALDI) mass spectrometry. International Journal of Mass Spectrometry, 2009, 283, 200-205.	1.5	35
2778	Tautomerism of cytosine probed by gas phase IR spectroscopy. International Journal of Mass Spectrometry, 2009, 283, 214-221.	1.5	47
2779	Toward top-down determination of PEGylation site using MALDI in-source decay MS analysis. Journal of the American Society for Mass Spectrometry, 2009, 20, 326-333.	2.8	42
2780	Incoherent production reactions of positive and negative ions in matrix-assisted laser desorption/ionization. Journal of the American Society for Mass Spectrometry, 2009, 20, 1078-1086.	2.8	20
2781	MALDI-TOF-MS analysis of small molecules using modified mesoporous material SBA-15 as assisted matrix. Journal of the American Society for Mass Spectrometry, 2009, 20, 2167-2173.	2.8	31
2782	Dopant-assisted atmospheric pressure photoionization mass spectrometry of polyisobutylene derivatives initiated by mono- and bifunctional initiators. Journal of the American Society for Mass Spectrometry, 2009, 20, 2342-2351.	2.8	10
2783	Electrospray ionization with low-energy collisionally activated dissociation tandem mass spectrometry of glycerophospholipids: Mechanisms of fragmentation and structural characterization. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2673-2695.	2.3	299
2784	Discovering novel brain lipids by liquid chromatography/tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2814-2821.	2.3	27
2785	The Current State of Proteomics in Gl Oncology. Digestive Diseases and Sciences, 2009, 54, 431-457.	2.3	12
2786	Strategies for Analysis of the Glycosylation of Proteins: Current Status and Future Perspectives. Molecular Biotechnology, 2009, 43, 76-88.	2.4	64
2787	Phosphoproteomics and cancer research. Clinical and Translational Oncology, 2009, 11, 356-362.	2.4	51

#	ARTICLE	IF	CITATIONS
2788	Organ‧pecific Distributions of Lysophosphatidylcholine and Triacylglycerol in Mouse Embryo. Lipids, 2009, 44, 837-848.	1.7	70
2789	Analysis of protein posttranslational modifications by mass spectrometry: With special reference to haemoglobin. Indian Journal of Clinical Biochemistry, 2009, 24, 23-29.	1.9	7
2790	Imaging mass spectrometry: principle and application. Biophysical Reviews, 2009, 1, 131-139.	3.2	21
2791	Characterizing ion mobility-mass spectrometry conformation space for the analysis of complex biological samples. Analytical and Bioanalytical Chemistry, 2009, 394, 235-244.	3.7	184
2792	Development of a MALDI two-layer volume sample preparation technique for analysis of colored conidia spores of Fusarium by MALDI linear TOF mass spectrometry. Analytical and Bioanalytical Chemistry, 2009, 395, 1373-1383.	3.7	51
2793	Perspectives for imaging mass spectrometry in the proteomics landscape. Proteomics, 2009, 9, 819-834.	2.2	70
2794	Sample preparation issues for tissue imaging by imaging MS. Proteomics, 2009, 9, 2622-2633.	2.2	169
2795	A dual fluorescent/MALDI chip platform for analyzing enzymatic activity and for protein profiling. Proteomics, 2009, 9, 171-181.	2.2	8
2796	Quantum dots laser desorption/ionization MS: multifunctional CdSe quantum dots as the matrix, concentrating probes and acceleration for microwave enzymatic digestion for peptide analysis and high resolution detection of proteins in a linear MALDIâ€₹OF MS. Proteomics, 2009, 9, 2656-2667.	2.2	74
2797	Quantitative proteomics in biological research. Proteomics, 2009, 9, 4590-4605.	2.2	73
2798	Acid hydrolysis followed by matrixâ€essisted laser desorption/ionization mass spectrometry for the rapid diagnosis of serum protein biomarkers in patients with major depression. Rapid Communications in Mass Spectrometry, 2009, 23, 589-598.	1.5	26
2799	Characterization of different poly(2â€ethylâ€2â€oxazoline)s via matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 756-762.	1.5	40
2800	Matrixâ€assisted laser desorption/ionization by using femtosecond laser pulses in the nearâ€infrared wavelength regime. Rapid Communications in Mass Spectrometry, 2009, 23, 1105-1108.	1.5	12
2801	Study of bisphosphonates by matrixâ€assisted laser desorption/ionization mass spectrometry – influence of alkali atoms on fragmentation patterns. Rapid Communications in Mass Spectrometry, 2009, 23, 1234-1240.	1.5	3
2802	Mass spectrometry fingerprinting of media used for <i>in vitro</i> production of bovine embryos. Rapid Communications in Mass Spectrometry, 2009, 23, 1313-1320.	1.5	17
2803	Fragmentation reactions of some peptide b ₃ ions: an energyâ€resolved study. Rapid Communications in Mass Spectrometry, 2009, 23, 1298-1302.	1.5	6
2804	Aniline/ <i>α</i> â€cyanoâ€4â€hydroxycinnamic acid is a highly versatile ionic liquid for matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1659-1668.	1.5	53
2805	Atmospheric pressure infrared (10.6 µm) laser desorption electrospray ionization (IR‣DESI) coupled to a LTQ Fourier transform ion cyclotron resonance mass spectrometer. Rapid Communications in Mass Spectrometry, 2009, 23, 1989-1992.	1.5	47

#	Article	IF	CITATIONS
2806	Cysteineâ€capped ZnSe quantum dots as affinity and accelerating probes for microwave enzymatic digestion of proteins via direct matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometric analysis. Rapid Communications in Mass Spectrometry, 2009, 23, 2247-2252.	1.5	28
2807	Optimal preparation methods for automated matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry profiling of low molecular weight proteins and peptides. Rapid Communications in Mass Spectrometry, 2009, 23, 2656-2662.	1.5	27
2808	Effects of substrate surfaces in matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 2952-2958.	1.5	3
2809	Diastereomeric differentiation of norbornene amino acid peptides by electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 2965-2974.	1.5	9
2810	Functionalized pyrolytic highly oriented graphite polymer film for surfaceâ€assisted laser desorption/ionization mass spectrometry in environmental analysis. Rapid Communications in Mass Spectrometry, 2009, 23, 3323-3332.	1.5	25
2811	Reverse thin layer method for enhanced ion yield of oligosaccharides in matrixâ€assisted laser desorption/ionization. Rapid Communications in Mass Spectrometry, 2009, 23, 3787-3794.	1.5	8
2812	Correlating MALDI and SIMS imaging mass spectrometric datasets of biological tissue surfaces. Surface and Interface Analysis, 2009, 41, 675-685.	1.8	60
2813	Twoâ€dimensional gel electrophoresis and mass spectrometry for biomarker discovery. Proteomics - Clinical Applications, 2009, 3, 155-172.	1.6	51
2814	Proteomics in gastric cancer research: Benefits and challenges. Proteomics - Clinical Applications, 2009, 3, 185-196.	1.6	7
2815	Assembling proteomics data as a prerequisite for the analysis of large scale experiments. Chemistry Central Journal, 2009, 3, 2.	2.6	5
2816	Neuroproteomics: understanding the molecular organization and complexity of the brain. Nature Reviews Neuroscience, 2009, 10, 635-646.	10.2	165
2817	Efficient peptide ladder sequencing by MALDIâ€₹OF mass spectrometry using allyl isothiocyanate. Chemical Biology and Drug Design, 1997, 49, 484-491.	1.1	9
2818	An overview of proteomic and metabolomic technologies and their application to pregnancy research. BJOG: an International Journal of Obstetrics and Gynaecology, 2009, 116, 173-181.	2.3	54
2819	Au-assisted visible laser MALDI. International Journal of Mass Spectrometry, 2009, 279, 41-46.	1.5	20
2820	Mass spectral study of hybrid peptides derived from (R)-aminoxy ester and \hat{l}^2 -amino acids: The influence of aminoxy peptide bond (COâ \in "NHâ \in "O) on peptide fragmentation under electrospray ionization conditions. International Journal of Mass Spectrometry, 2009, 282, 64-69.	1.5	8
2821	MALDI, AP/MALDI and ESI techniques for the MS detection of amyloid \hat{l}^2 -peptides. International Journal of Mass Spectrometry, 2009, 282, 50-55.	1.5	31
2822	Nanostructured porous silicon by laser assisted electrochemical etching. International Journal of Mass Spectrometry, 2009, 285, 137-142.	1.5	21
2823	A mechanistic study of the electron capture dissociation of oligonucleotides. Journal of the American Society for Mass Spectrometry, 2009, 20, 213-226.	2.8	13

#	Article	IF	CITATIONS
2824	Solvation of electrosprayed ions in the accumulation/collision hexapole of a hybrid Q-FTMS. Journal of the American Society for Mass Spectrometry, 2009, 20, 411-418.	2.8	30
2825	Kinetics for tautomerizations and dissociations of triglycine radical cations. Journal of the American Society for Mass Spectrometry, 2009, 20, 996-1005.	2.8	25
2826	Determining the time needed for the vortex method for preparing solvent-free MALDI samples of low molecular mass polymers. Journal of the American Society for Mass Spectrometry, 2009, 20, 1115-1118.	2.8	14
2827	Comparison between vacuum sublimed matrices and conventional dried droplet preparation in MALDI-TOF mass spectrometry. Journal of the American Society for Mass Spectrometry, 2009, 20, 1104-1114.	2.8	69
2828	MALDI produced ions inspected with a linear ion trap-orbitrap hybrid mass analyzer. Journal of the American Society for Mass Spectrometry, 2009, 20, 1451-1463.	2.8	71
2829	Surface assisted laser desorption/ionization on two-layered amorphous silicon coated hybrid nanostructures. Journal of the American Society for Mass Spectrometry, 2009, 20, 1723-1730.	2.8	21
2830	Fragmentation of doubly-protonated Pro-His-Xaa tripeptides: Formation of <i>b</i> _{<i>2</i><fusb< sup=""><i>25<i>5<i>656789991010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101</i></i></i></fusb<>}	2.8	25
2831	Direct profiling of tissue lipids by MALDI-TOFMS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2822-2829.	2.3	87
2832	Detection area enlargement of superconducting stripline detectors for time-of-flight mass spectrometry. Physica C: Superconductivity and Its Applications, 2009, 469, 1677-1679.	1.2	11
2833	Niobium superconducting strip line detectors (SSLD) for time-of-flight mass spectroscopy (TOF-MS). Physica C: Superconductivity and Its Applications, 2009, 469, 1684-1687.	1.2	7
2834	A small-scale method for the preparation of plant N-linked glycans from soluble proteins for analysis by MALDI-TOF mass spectrometry. Plant Physiology and Biochemistry, 2009, 47, 160-166.	5.8	16
2835	ATRP poly(acrylate) star formation: A comparative study between MALDI and ESI mass spectrometry. Polymer, 2009, 50, 1986-2000.	3.8	27
2836	New matrix of MALDI-TOF MS for analysis of small molecules. Chinese Chemical Letters, 2009, 20, 1495-1497.	9.0	8
2837	Biomarker discovery in mass spectral profiles by means of selectivity ratio plot. Chemometrics and Intelligent Laboratory Systems, 2009, 95, 35-48.	3.5	231
2838	Automated sample preparation method for mass spectrometry analysis on recombinant proteins. Journal of Chromatography A, 2009, 1216, 4457-4464.	3.7	2
2839	Analysis of chlorophylls and their derivatives by matrix-assisted laser desorption/ionization–time-of-flight mass spectrometry. Analytical Biochemistry, 2009, 390, 57-62.	2.4	42
2840	Cobalt coated substrate for matrix-free analysis of small molecules by laser desorption/ionization mass spectrometry. Applied Surface Science, 2009, 256, 1309-1312.	6.1	6
2841	Matrix assisted laser desorption/ionization of potassium adapted angiotensine II using femtosecond laser pulses. European Physical Journal D, 2009, 52, 151-154.	1.3	6

#	Article	IF	CITATIONS
2842	Proteomics by Mass Spectrometry: Approaches, Advances, and Applications. Annual Review of Biomedical Engineering, 2009, 11, 49-79.	12.3	929
2843	Electrosprayâ€ionization mass spectrometry as a tool for fast screening of protein structural properties. Biotechnology Journal, 2009, 4, 73-87.	3.5	28
2844	Proton Sponge: A Novel and Versatile MALDI Matrix for the Analysis of Metabolites Using Mass Spectrometry. Analytical Chemistry, 2009, 81, 7954-7959.	6.5	85
2845	Technical advances in proteomics mass spectrometry: identification of post-translational modifications. Clinical Chemistry and Laboratory Medicine, 2009, 47, 647-65.	2.3	16
2846	Mass spectrometry: from proteomics to metabolomics and lipidomics. Chemical Society Reviews, 2009, 38, 1882.	38.1	203
2847	Mass spectrometry of nucleic acids in molecular medicine. Russian Journal of Bioorganic Chemistry, 2009, 35, 135-149.	1.0	3
2848	<i>In Situ</i> Lipidomic Analysis of Nonalcoholic Fatty Liver by Cluster TOF-SIMS Imaging. Analytical Chemistry, 2009, 81, 2823-2831.	6.5	152
2850	Ionization of Anthracene Followed by Fusion in the Solid Phase under Intense Nonresonant Femtosecond Laser Fields. Journal of Physical Chemistry C, 2009, 113, 11458-11463.	3.1	5
2851	Protonation Sites and Conformations of Peptides of Glycine (Gly _{$1\hat{a}^*$5} H ⁺) by IRMPD Spectroscopy. Journal of Physical Chemistry B, 2009, 113, 8767-8775.	2.6	64
2852	Development of a Linear Ion Trap/Orthogonal-Time-of-Flight Mass Spectrometer for Time-Dependent Observation of Product Ions by Ultraviolet Photodissociation of Peptide Ions. Analytical Chemistry, 2009, 81, 8809-8817.	6.5	17
2853	Atmospheric Pressure Free Liquid Infrared MALDI Mass Spectrometry: Toward a combined ESI/MALDI-Liquid Chromatography Interface. Analytical Chemistry, 2009, 81, 443-452.	6.5	24
2854	Proton-Driven Amide Bond-Cleavage Pathways of Gas-Phase Peptide Ions Lacking Mobile Protons. Journal of the American Chemical Society, 2009, 131, 14057-14065.	13.7	84
2855	Treatise on the Measurement of Molecular Masses with Ion Mobility Spectrometry. Analytical Chemistry, 2009, 81, 5876-5880.	6.5	26
2856	Biomolecular Mass Spectrometry: Applications to Proteins and Peptides. , 2009, , 55-73.		0
2857	In-Source Fragmentation of Very Labile Peptides in Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2009, 81, 8986-8992.	6.5	16
2858	A Birdsâ€Eye View of Modern Proteomics. Separation and Purification Reviews, 2009, 38, 148-172.	5.5	1
2859	Application of FT-ICR MS for the Study of Protein Complexes. Applied Spectroscopy Reviews, 2009, 44, 231-244.	6.7	5
2860	Toward the Synthesis of High Boron Content Polyanionic Multicluster Macromolecules. Inorganic Chemistry, 2009, 48, 8210-8219.	4.0	27

#	Article	IF	CITATIONS
2861	Screening of One-Bead-One-Peptide Combinatorial Library Using Red Fluorescent Dyes. Presence of Positive and False Positive Beads. ACS Combinatorial Science, 2009, 11, 146-150.	3.3	44
2862	Nanoscale Architecture Dictates Detection Profile of Surface-Confined DNA by MALDI-TOF MS. Analytical Chemistry, 2009, 81, 8839-8845.	6.5	11
2863	Prion Disease Diagnosis by Proteomic Profiling. Journal of Proteome Research, 2009, 8, 1030-1036.	3.7	20
2864	Incorporating Biological Mass Spectrometry into Undergraduate Teaching Labs, Part 2: Peptide Identification via Molecular Mass Determination. Journal of Chemical Education, 2009, 86, 382.	2.3	12
2865	Fluorescent labeling of a carboxyl group of sialic acid for MALDI-MS analysis of sialyloligosaccharides and ganglioside. Biochemical and Biophysical Research Communications, 2009, 378, 890-894.	2.1	21
2866	Evaluating the potential of 188Re-SOCTA–trastuzumab as a new radioimmunoagent for breast cancer treatment. Nuclear Medicine and Biology, 2009, 36, 81-88.	0.6	38
2867	Proteomic identification and profiling of canine lymphoma patients*. Veterinary and Comparative Oncology, 2009, 7, 92-105.	1.8	15
2868	Mass spectrometry-based technologies for high-throughput metabolomics. Bioanalysis, 2009, 1, 1665-1684.	1.5	60
2869	HPLC and Mass Spectrometry of Integral Membrane Proteins. Springer Protocols, 2009, , 1149-1166.	0.3	2
2070			
2870	Metallomics: the concept and methodology. Chemical Society Reviews, 2009, 38, 1119.	38.1	309
2872	Metallomics: the concept and methodology. Chemical Society Reviews, 2009, 38, 1119. Supramolecular Assemblies of Amphiphilic Homopolymers. Langmuir, 2009, 25, 9660-9670.	38.1	309
2872	Supramolecular Assemblies of Amphiphilic Homopolymers. Langmuir, 2009, 25, 9660-9670. Comparison between the Matrices α-Cyano-4-hydroxycinnamic Acid and 4-Chloro-α-cyanocinnamic Acid for Trypsin, Chymotrypsin, and Pepsin Digestions by MALDI-TOF Mass Spectrometry. Journal of	3.5	130
2872 2873	Supramolecular Assemblies of Amphiphilic Homopolymers. Langmuir, 2009, 25, 9660-9670. Comparison between the Matrices α-Cyano-4-hydroxycinnamic Acid and 4-Chloro-α-cyanocinnamic Acid for Trypsin, Chymotrypsin, and Pepsin Digestions by MALDI-TOF Mass Spectrometry. Journal of Proteome Research, 2009, 8, 3588-3597.	3.5	130
2872 2873 2874	Supramolecular Assemblies of Amphiphilic Homopolymers. Langmuir, 2009, 25, 9660-9670. Comparison between the Matrices α-Cyano-4-hydroxycinnamic Acid and 4-Chloro-α-cyanocinnamic Acid for Trypsin, Chymotrypsin, and Pepsin Digestions by MALDI-TOF Mass Spectrometry. Journal of Proteome Research, 2009, 8, 3588-3597. MALDI MS. Methods in Molecular Biology, 2009, 564, 85-103.	3.5 3.7 0.9	130 26 5
2872 2873 2874 2875	Supramolecular Assemblies of Amphiphilic Homopolymers. Langmuir, 2009, 25, 9660-9670. Comparison between the Matrices î±-Cyano-4-hydroxycinnamic Acid and 4-Chloro-î±-cyanocinnamic Acid for Trypsin, Chymotrypsin, and Pepsin Digestions by MALDI-TOF Mass Spectrometry. Journal of Proteome Research, 2009, 8, 3588-3597. MALDI MS. Methods in Molecular Biology, 2009, 564, 85-103. Laser Desorption Ionization Mass Spectrometry by Using Surface Plasmon Excitation on Gold Nanoparticle. Journal of Physical Chemistry C, 2009, 113, 17774-17779. Proteomic technology in the design of new effective antibacterial vaccines. Expert Review of	3.5 3.7 0.9	130 26 5
2872 2873 2874 2875 2876	Supramolecular Assemblies of Amphiphilic Homopolymers. Langmuir, 2009, 25, 9660-9670. Comparison between the Matrices î±-Cyano-4-hydroxycinnamic Acid and 4-Chloro-î±-cyanocinnamic Acid for Trypsin, Chymotrypsin, and Pepsin Digestions by MALDI-TOF Mass Spectrometry. Journal of Proteome Research, 2009, 8, 3588-3597. MALDI MS. Methods in Molecular Biology, 2009, 564, 85-103. Laser Desorption Ionization Mass Spectrometry by Using Surface Plasmon Excitation on Gold Nanoparticle. Journal of Physical Chemistry C, 2009, 113, 17774-17779. Proteomic technology in the design of new effective antibacterial vaccines. Expert Review of Proteomics, 2009, 6, 315-330. Ion Desorption Efficiency and Internal Energy Transfer in Carbon-Based Surface-Assisted Laser Desorption/Ionization Mass Spectrometry: Desorption Mechanism(s) and the Design of SALDI	3.5 3.7 0.9 3.1 3.0	130 26 5 32 15

#	ARTICLE	IF	CITATIONS
2880	<scp>d</scp> -Amino Acid Detection in Peptides by MALDI-TOF-TOF. Analytical Chemistry, 2009, 81, 4389-4396.	6.5	34
2881	Thermal and gasdynamic analysis of ablation of poly(methyl methacrylate) by pulsed IR laser irradiation under conditions of nanoparticle formation. Journal Physics D: Applied Physics, 2009, 42, 065504.	2.8	16
2884	The multiplex bead array approach to identifying serum biomarkers associated with breast cancer. Breast Cancer Research, 2009, 11, R22.	5.0	107
2886	Mass Spectrometry of Proteins and Peptides. Methods in Molecular Biology, 2009, 492, v.	0.9	8
2888	Mass spectrometry-based proteomics and its potential use in haematological research. Archives of Physiology and Biochemistry, 2009, 115, 286-297.	2.1	2
2889	Proteomic and metabolic prediction of response to therapy in gastrointestinal cancers. Nature Reviews Gastroenterology and Hepatology, 2009, 6, 170-183.	17.8	18
2890	Spectroscopic studies of cold, gas-phase biomolecular ions. International Reviews in Physical Chemistry, 2009, 28, 481-515.	2.3	308
2891	Desorption/ionization on porous silicon mass spectrometry (DIOS-MS) of perfluorooctane sulfonate (PFOS). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 347, 220-224.	4.7	22
2892	Mass Spectrometry, Review of the Basics: Electrospray, MALDI, and Commonly Used Mass Analyzers. Applied Spectroscopy Reviews, 2009, 44, 210-230.	6.7	235
2893	Fast and Accurate Determination of Absolute Individual Molecular Weight Distributions from Mixtures of Polymers via Size Exclusion Chromatographyâ´'Electrospray Ionization Mass Spectrometry. Macromolecules, 2009, 42, 6366-6374.	4.8	52
2894	Yeast Two-Hybrid, a Powerful Tool for Systems Biology. International Journal of Molecular Sciences, 2009, 10, 2763-2788.	4.1	436
2895	Proteomics and Opportunities for Clinical Translation in Urological Disease. Journal of Urology, 2009, 182, 835-843.	0.4	17
2896	Metabolomics: Integrating the Metabolome and the Proteome for Systems Biology., 0,, 258-289.		1
2897	Characterization of Recombinant Protein Mutants by Top-down Sequencing Using Quadrupole Time-of-Flight Mass Spectrometry. European Journal of Mass Spectrometry, 2009, 15, 641-649.	1.0	2
2898	Dependence of the Ejection Velocities of Laser-Ablated Ions on the Laser Wavelength and Fluence. European Journal of Mass Spectrometry, 2009, 15, 305-314.	1.0	5
2899	Detailed Investigation on the Possibility of Nanoparticles of Various Metal Elements for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Sciences, 2009, 25, 339-346.	1.6	97
2900	Development of Spray Deposition/MALDI-TOFMS and Its Application to the Rapid Screening of Hydrolysis Products Derived from Nitrogen Mustards. Analytical Sciences, 2009, 25, 845-849.	1.6	10
2901	Visible and Near-infrared Laser Desorption Ionization Mass Spectrometry Using Single Wall Carbon Nanotubes. Chemistry Letters, 2009, 38, 142-143.	1.3	11

#	Article	IF	CITATIONS
2903	Mass Spectrometry of Porphyrins. Mehtods in Chromatography, 2009, , 51-105.	0.0	0
2904	Sequence Analysis of Native Oligosaccharides Using Negative ESI Tandem MS. Current Analytical Chemistry, 2009, 5, 225-237.	1.2	19
2905	HPLC and MS Analysis for the Identification and Characterisation of Peptides Presented in the Context of the Non-Classical Human Leukocytes Antigen (HLA) Class I Molecule HLA-E. Current Pharmaceutical Design, 2009, 15, 3325-3335.	1.9	0
2906	Characterization of Noncovalent Complexes of Nucleic Acids with Peptides and Proteins by Mass Spectrometry., 2009,, 329-369.		0
2907	Tandem Mass Spectrometry of Nucleic Acids. , 2009, , 105-126.		2
2908	Protein Folding and Protein-Ligand Interactions Monitored by Electrospray Mass Spectrometry. Current Analytical Chemistry, 2009, 5, 186-204.	1.2	20
2909	Adjacent slice prostate cancer prediction to inform MALDI imaging biomarker analysis. , 2010, , .		1
2910	Applications of Surfaceâ€Functionalized Diamond Nanoparticles for Massâ€Spectrometryâ€Based Proteomics. Journal of the Chinese Chemical Society, 2010, 57, 583-594.	1.4	19
2912	POSTHARVEST PROTEOMICS. Acta Horticulturae, 2010, , 75-80.	0.2	0
2917	Direct Analysis of Reversed-Phase High-Performance Thin Layer Chromatography Separated Tryptic Protein Digests Using a Liquid Microjunction Surface Sampling Probe/Electrospray Ionization Mass Spectrometry System. European Journal of Mass Spectrometry, 2010, 16, 21-33.	1.0	20
2918	Rearrangement and Fragmentation of Estrogen Ether Ions: New Aspects Found with Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. European Journal of Mass Spectrometry, 2010, 16, 489-501.	1.0	4
2919	Time-of-Flights and Traps: From the Histone Code to Mars. European Journal of Mass Spectrometry, 2010, 16, 331-340.	1.0	2
2920	Functionalized Nanoparticles and Nanostructured Surfaces for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Sciences, 2010, 26, 1229-1240.	1.6	140
2922	Proteomics and Systems Biology: Application in Drug Discovery and Development. Methods in Molecular Biology, 2010, 662, 3-28.	0.9	13
2923	Nanophotonic Ion Sources. AIP Conference Proceedings, 2010, , .	0.4	9
2924	Matrix-Free Laser Desorption/Ionization Mass Spectrometry on Silicon Nanowire Arrays Prepared by Chemical Etching of Crystalline Silicon. Langmuir, 2010, 26, 1354-1361.	3.5	118
2925	Chapter 4 Instrumentation Used in Pyrolysis. Techniques and Instrumentation in Analytical Chemistry, 2010, 28, 79-104.	0.0	2
2926	Mass Spectrometric Imaging for Biomedical Tissue Analysis. Chemical Reviews, 2010, 110, 3237-3277.	47.7	553

#	Article	IF	CITATIONS
2927	Application of Nanodiamonds in Biomolecular Mass Spectrometry. Materials, 2010, 3, 1845-1862.	2.9	10
2928	Organometallic derivatizing agents in bioanalysis. Analytical and Bioanalytical Chemistry, 2010, 397, 3483-3494.	3.7	34
2929	Effectiveness of platinum particle deposition on silicon surfaces for surface-assisted laser desorption/ionization mass spectrometry of peptides. International Journal of Mass Spectrometry, 2010, 291, 145-151.	1.5	28
2930	A novel strategy for MALDI-TOF MS analysis of small molecules. Journal of the American Society for Mass Spectrometry, 2010, 21, 154-160.	2.8	48
2931	Structural characterization of intact proteins is enhanced by prevalent fragmentation pathways rarely observed for peptides. Journal of the American Society for Mass Spectrometry, 2010, 21, 949-959.	2.8	35
2932	Energy-dependent collision-induced dissociation of lithiated polytetrahydrofuran: Effect of the size on the fragmentation properties. Journal of the American Society for Mass Spectrometry, 2010, 21, 1753-1761.	2.8	26
2933	Molecular mass spectrometry imaging in biomedical and life science research. Histochemistry and Cell Biology, 2010, 134, 423-443.	1.7	73
2934	Interfacing microfluidics to LDI-MS by automatic robotic spotting. Microfluidics and Nanofluidics, 2010, 8, 777-787.	2.2	22
2935	Method development for epoxy resin analysis. Microsystem Technologies, 2010, 16, 1347-1351.	2.0	7
2936	Assessing the Quality and Reproducibility of a Proteomic Platform for Clinical Stroke Biomarker Discovery. Translational Stroke Research, 2010, 1, 304-314.	4.2	9
2937	Relationship Between Expression of Voltage-Dependent Anion Channel (VDAC) Isoforms and Type of Hexokinase Binding Sites on Brain Mitochondria. Journal of Molecular Neuroscience, 2010, 41, 48-54.	2.3	13
2938	Solid State Analysis of Metal-Containing Polymers Employing Mössbauer Spectroscopy, Solid State NMR and F El TOF MALDI MS. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 570-585.	3.7	11
2939	Alteration in protein expression in estrogen receptor alpha-negative human breast cancer tissues indicates a malignant and metastatic phenotype. Clinical and Experimental Metastasis, 2010, 27, 493-503.	3.3	17
2940	Proteomic studies of plant–bacterial interactions. Soil Biology and Biochemistry, 2010, 42, 1673-1684.	8.8	64
2941	A novel polyacrylamide gel system for proteomic use offering controllable pore expansion by crosslinker cleavage. Electrophoresis, 2010, 31, 585-592.	2.4	23
2942	Facilitating the hyphenation of CIEF and MALDIâ€MS for twoâ€dimensional separation of proteins. Electrophoresis, 2010, 31, 2614-2621.	2.4	7
2943	Microstructured Tungsten Oxide: A Generic Desorption/Ionization Substrate for Mass Spectrometry. Advanced Materials, 2010, 22, 4520-4523.	21.0	16
2947	Multiple Soft Ionization of Gasâ€Phase Proteins and Swift Backbone Dissociation in Collisions with â‰\$9â€eV Electrons. Angewandte Chemie - International Edition, 2010, 49, 1439-1441.	13.8	15

#	ARTICLE	IF	Citations
2948	Highâ€Resolution Ion Mobility Spectrometry–Mass Spectrometry on Poly(methyl methacrylate). Angewandte Chemie - International Edition, 2010, 49, 10168-10171.	13.8	24
2949	Direct analysis of lipids in mouse brain using electrospray droplet impact/SIMS. Journal of Mass Spectrometry, 2010, 45, 437-443.	1.6	11
2950	A perspective on MALDI alternativesâ€"total solventâ€free analysis and electron transfer dissociation of highly charged ions by laserspray ionization. Journal of Mass Spectrometry, 2010, 45, 471-485.	1.6	32
2951	Laser desorption/ionization mass spectrometric analysis of small molecules using fullereneâ€derivatized silica as energyâ€absorbing material. Journal of Mass Spectrometry, 2010, 45, 545-552.	1.6	36
2952	The identification of synthetic homopolymer end groups and verification of their transformations using MALDIâ€∓OF mass spectrometry. Journal of Mass Spectrometry, 2010, 45, 587-611.	1.6	36
2953	Diamondâ€like carbon coated polymerâ€based targets in microscope slide format for MALDI mass spectrometry. Journal of Mass Spectrometry, 2010, 45, 566-569.	1.6	7
2954	Differentiation of Bocâ€protected α,δâ€Ĵ´,α―and β,δâ€Ĵ´,βâ€hybrid peptide positional isomers by electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2010, 45, 651-663.	ionization 1.6	9
2955	Determination of primary bond scissions by mass spectrometric analysis of ultrasonic degradation products of poly(ethylene oxideâ€ <i>block</i> â€propylene oxide) copolymers. Journal of Mass Spectrometry, 2010, 45, 799-805.	1.6	16
2956	Fragmentation behavior of a thioureaâ€based reagent for protein structure analysis by collisionâ€induced dissociative chemical crossâ€linking. Journal of Mass Spectrometry, 2010, 45, 880-891.	1.6	25
2957	A fragmentation study of the Rhodamine 610 cation using visibleâ€laser desorption ionization. Journal of Mass Spectrometry, 2010, 45, 909-914.	1.6	2
2958	Multifunctional nanoparticles composite for MALDIâ€MS: Cd ²⁺ â€doped carbon nanotubes with CdS nanoparticles as the matrix, preconcentrating and accelerating probes of microwave enzymatic digestion of peptides and proteins for direct MALDIâ€MS analysis. Journal of Mass Spectrometry, 2010, 45, 1452-1460.	1.6	68
2959	Characterization of <i>N</i> ^α â€Fmocâ€protected ureidopeptides by electrospray ionization tandem mass spectrometry (ESIâ€MS/MS): differentiation of positional isomers. Journal of Mass Spectrometry, 2010, 45, 1461-1472.	1.6	8
2960	Contemporary Mass Spectrometry and the Analysis of Synthetic Polymers: Trends, Techniques and Untapped Potential. Macromolecular Chemistry and Physics, 2010, 211, 1507-1529.	2.2	43
2961	ESIâ€MS & Croups. MS/MS Analysis of Poly(2â€oxazoline)s with Different Side Groups. Macromolecular Chemistry and Physics, 2010, 211, 2312-2322.	2.2	16
2962	Advances on the compositional analysis of glycosphingolipids combining thin-layer chromatography with mass spectrometry. Mass Spectrometry Reviews, 2010, 29, 425-479.	5.4	74
2963	Mass spectrometry combined with oxidative labeling for exploring protein structure and folding. Mass Spectrometry Reviews, 2010, 29, 651-667.	5.4	81
2964	Lipidomics era: Accomplishments and challenges. Mass Spectrometry Reviews, 2010, 29, 877-929.	5.4	161
2965	Constitutive release of powerful antioxidant-scavenging activity by hepatic stellate cells: Protection of hepatocytes from ischemia/reperfusion injury. Liver Transplantation, 2010, 16, 1400-1409.	2.4	13

#	Article	IF	CITATIONS
2966	Resolving the composition of protein complexes using a MALDI LTQ orbitrap. Journal of the American Society for Mass Spectrometry, 2010, 21, 34-46.	2.8	32
2967	Elemental sulfur as a versatile low-mass-range calibration standard for laser desorption ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 112-116.	2.8	14
2968	On-tissue protein identification and imaging by MALDI-lon mobility mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 338-347.	2.8	182
2969	Controlling the expansion into vacuumâ€"the enabling technology for trapping atmosphere-sampled particulate ions. Journal of the American Society for Mass Spectrometry, 2010, 21, 242-248.	2.8	13
2970	A useful binary matrix for visible-MALDI of low molecular weight analytes. Journal of the American Society for Mass Spectrometry, 2010, 21, 294-299.	2.8	14
2971	Detection of nucleic acid-nuclear hormone receptor complexes with mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 635-645.	2.8	15
2972	In-source decay and fragmentation characteristics of peptides using 5-aminosalicylic acid as a matrix in matrix-assisted laser desorption/ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 979-988.	2.8	48
2973	Oxazolone versus macrocycle structures for leu-enkephalin b ₂ â€"b ₄ : Insights from infrared multiple-photon dissociation spectroscopy and gas-phase hydrogen/deuterium exchange. Journal of the American Society for Mass Spectrometry, 2010, 21, 1313-1321.	2.8	42
2974	Laserspray ionization (LSI) ion mobility spectrometry (IMS) mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 1260-1264.	2.8	52
2975	Gas-phase conformation-specific photofragmentation of proline-containing peptide ions. Journal of the American Society for Mass Spectrometry, 2010, 21, 1455-1465.	2.8	30
2976	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
2977	Mass spectrometry guided in situ proteolysis to obtain crystals for X-ray structure determination. Journal of the American Society for Mass Spectrometry, 2010, 21, 1795-1801.	2.8	13
2978	Laserspray Ionization Using an Atmospheric Solids Analysis Probe for Sample Introduction. Journal of the American Society for Mass Spectrometry, 2010, 21, 1889-92.	2.8	16
2979	New advances in the understanding of the in-source decay fragmentation of peptides in MALDI-TOF-MS. Journal of the American Society for Mass Spectrometry, 2010, 21, 1906-1917.	2.8	88
2980	Proteomics of trypanosomatids of human medical importance. Journal of Proteomics, 2010, 73, 845-867.	2.4	44
2981	Analysis of poly(ethylene oxide)-b-poly(propylene oxide) block copolymers by MALDI-TOF mass spectrometry using collision induced dissociation. Polymer, 2010, 51, 6140-6150.	3.8	11
2982	MALDI-TOF MS analysis of plant proanthocyanidins. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 358-372.	2.8	163
2983	Surface-assisted laser desorption/ionization mass spectrometry on nanostructured silicon substrates prepared by iodine-assisted etching. International Journal of Mass Spectrometry, 2010, 290, 47-59.	1.5	21

#	Article	IF	CITATIONS
2984	lonizing nonvolatile samples using laser desorption–proton-transfer reaction with cluster reagent ions. International Journal of Mass Spectrometry, 2010, 291, 61-66.	1.5	8
2985	Laser spot size and laser power dependence of ion formation in high resolution MALDI imaging. International Journal of Mass Spectrometry, 2010, 294, 7-15.	1.5	80
2986	Surface-assisted laser desorption ionisation time-of-flight mass spectrometry with an activated carbon surface for the rapid detection of underivatised steroids. International Journal of Mass Spectrometry, 2010, 294, 16-22.	1.5	24
2987	Advantages and limitations of laser desorption/ionization mass spectrometric techniques in the chemical characterization of complex carbonaceous materials. International Journal of Mass Spectrometry, 2010, 295, 98-102.	1.5	22
2988	Chirp dependent matrix-assisted laser desorption/ionization measurements of alkali metal adapted angiotensine II by using ultrashort laser pulses in the near IR regime. International Journal of Mass Spectrometry, 2010, 296, 30-35.	1.5	1
2989	Accurate quantitation of glutathione in cell lysates through surface-assisted laser desorption/ionization mass spectrometry using gold nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 530-537.	3.3	53
2990	Off-line coupling of microcolumn separations to desorption mass spectrometry. Journal of Chromatography A, 2010, 1217, 3966-3977.	3.7	25
2991	Optimization of a modified aerospray deposition device for the preparation of samples for quantitative analysis by MALDI-TOFMS. Analytica Chimica Acta, 2010, 658, 49-55.	5.4	8
2992	Rapid MALDI mass spectrometric analysis with prestructured membrane filters and functionalized diamond nanocrystals. Analytica Chimica Acta, 2010, 659, 201-207.	5.4	8
2993	In vitro methylation by methanol: Proteomic screening and prevalence investigation. Analytica Chimica Acta, 2010, 661, 67-75.	5.4	17
2994	A simple cellulose column procedure for selective enrichment of glycopeptides and characterization by nano LC coupled with electron-transfer and high-energy collisional-dissociation tandem mass spectrometry. Carbohydrate Research, 2010, 345, 792-801.	2.3	47
2995	Double diastereoselection explains limitations in synthesizing mannose-containing \hat{l}^2 -(1,3)-glucans. Carbohydrate Research, 2010, 345, 1366-1370.	2.3	13
2996	Advance of Peptide Detectability Prediction on Mass Spectrometry Platform in Proteomics. Chinese Journal of Analytical Chemistry, 2010, 38, 286-292.	1.7	7
2997	Block length determination of the block copolymer mPEGâ€∢i>b⟨/i>â€PS using MALDIâ€ŦOF MS/MS. Journal of Polymer Science Part A, 2010, 48, 4375-4384.	2.3	23
2998	Characterization of different poly(2â€oxazoline) block copolymers by MALDIâ€TOF MS/MS and ESIâ€Qâ€TOF MS/MS. Journal of Polymer Science Part A, 2010, 48, 5533-5540.	2.3	31
2999	DeepQuanTR: MALDIâ€MSâ€based labelâ€free quantification of proteins in complex biological samples. Proteomics, 2010, 10, 2631-2643.	2.2	22
3000	EZYprep LCâ€coupled MALDIâ€TOF/TOF MS: An improved matrix spray application for phosphopeptide characterisation. Proteomics, 2010, 10, 2516-2530.	2.2	8
3001	Mapping protein cysteine sulfonic acid modifications with specific enrichment and mass spectrometry: An integrated approach to explore the cysteine oxidation. Proteomics, 2010, 10, 2961-2971.	2.2	42

#	ARTICLE	IF	CITATIONS
3002	Labeling elastase digests with TMT: Informational gain by identification of poorly detectable peptides with MALDIâ€₹OF/TOF mass spectrometry. Proteomics, 2010, 10, 3905-3909.	2.2	21
3003	Automated assignment of ionization states in broadâ€mass matrixâ€assisted laser desorption/ionization spectra of protein mixtures. Rapid Communications in Mass Spectrometry, 2010, 24, 138-146.	1.5	5
3004	Matrix vapor deposition/recrystallization and dedicated spray preparation for highâ€resolution scanning microprobe matrixâ€assisted laser desorption/ionization imaging mass spectrometry (SMALDIâ€MS) of tissue and single cells. Rapid Communications in Mass Spectrometry, 2010, 24, 355-364.	1.5	153
3005	MSQ: a tool for quantification of proteomics data generated by a liquid chromatography/matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight tandem mass spectrometry based targeted quantitative proteomics platform. Rapid Communications in Mass Spectrometry, 2010, 24, 403-408.	1.5	8
3006	A comparison of nano-electrospray gas-phase electrophoretic mobility macromolecular analysis and matrix-assisted laser desorption/ionization linear time-of-flight mass spectrometry for the characterization of the recombinant coagulation glycoprotein von W. Rapid Communications in Mass Spectrometry, 2010, 24, 761-767.	1.5	9
3007	Direct analysis of pharmaceutical tablet formulations using matrixâ€assisted laser desorption/ionisation mass spectrometry imaging. Rapid Communications in Mass Spectrometry, 2010, 24, 1665-1672.	1.5	39
3008	Direct profiling of saccharides, organic acids and anthocyanins in fruits using electrospray droplet impact/secondary ion mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2431-2438.	1.5	11
3009	Online coupling of thin layer chromatography with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: synthesis and application of a new material for the identification of carbohydrates by thin layer chromatography/matrix free ma. Rapid Communications in Mass Spectrometry, 2010, 24, 2759-2764.	1.5	8
3010	Ultrasound ionization of biomolecules. Rapid Communications in Mass Spectrometry, 2010, 24, 2569-2574.	1.5	18
3011	Structural study of acetogenins by tandem mass spectrometry under high and low collision energy. Rapid Communications in Mass Spectrometry, 2010, 24, 3602-3608.	1.5	27
3012	Massâ€spectrometry based oxidative lipidomics and lipid imaging: applications in traumatic brain injury. Journal of Neurochemistry, 2010, 115, 1322-1336.	3.9	106
3013	Plant nuclear proteomics – inside the cell maestro. FEBS Journal, 2010, 277, 3295-3307.	4.7	22
3014	Molecular imaging by mass spectrometry â€" looking beyond classical histology. Nature Reviews Cancer, 2010, 10, 639-646.	28.4	320
3015	Mass spectrometry tools for the classification and identification of bacteria. Nature Reviews Microbiology, 2010, 8, 74-82.	28.6	389
3017	Proteomic Analysis of MEF2 Post-Translational Regulation in the Heart., 2010,, 805-824.		0
3018	Analytical approaches towards the structural characterization of microbial wall glycopolymers., 2010,, 233-252.		5
3019	Proteomics: taking over where genomics leaves off. Czech Journal of Genetics and Plant Breeding, 2010, 46, 47-53.	0.8	1
3020	Protein Profiling of Isolated Leukocytes, Myofibroblasts, Epithelial, Basal, and Endothelial Cells from Normal, Hyperplastic, Cancerous, and Inflammatory Human Prostate Tissues. Journal of Cancer, 2010, 1, 70-79.	2.5	11

#	Article	IF	CITATIONS
3021	Chapter 10. Proteomics. RSC Nanoscience and Nanotechnology, 2010, , 93-110.	0.2	0
3022	Identification of atypical ether-linked glycerophospholipid species in macrophages by mass spectrometry. Journal of Lipid Research, 2010, 51, 1581-1590.	4.2	49
3023	MAPI: A Server for Improving Protein Identification from a Four Matrices Mass Spectrometry Approach. Current Proteomics, 2010, 7, 102-107.	0.3	0
3024	Development of a new photoelectron spectroscopy instrument combining an electrospray ion source and photoelectron imaging. Review of Scientific Instruments, 2010, 81, 123101.	1.3	26
3025	Imaging Mass Spectrometry of Glycolipids. Methods in Enzymology, 2010, 478, 287-301.	1.0	14
3027	A powerful couple in the future of clinical biochemistry: <i>in situ</i> analysis of dried blood spots by ambient mass spectrometry. Bioanalysis, 2010, 2, 1883-1891.	1.5	26
3030	Phylogenetic character mapping of proteomic diversity shows high correlation with subspecific phylogenetic diversity in $\langle i \rangle$ Trypanosoma cruzi $\langle i \rangle$. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20411-20416.	7.1	49
3031	Serum peptide/protein profiling by mass spectrometry provides diagnostic information independently of CA125 in women with an ovarian tumor. Cancer Biomarkers, 2010, 6, 73-82.	1.7	4
3032	Technological Innovation Revisited. Molecular and Cellular Proteomics, 2010, 9, 2335-2336.	3.8	2
3033	Mass Spectrometry in the Elucidation of the Glycoproteome of Bacterial Pathogens. Current Proteomics, 2010, 7, 57-81.	0.3	11
3034	Analysis of NF-l̂ºB signaling pathways by proteomic approaches. Expert Review of Proteomics, 2010, 7, 189-203.	3.0	13
3035	Tumor Markers: The Potential of "Omics" Approach. Current Molecular Medicine, 2010, 10, 249-257.	1.3	29
3036	Fabrication of nanocluster silicon surface with electric discharge and the application in desorption/ionization on silicon-mass spectrometry. Lab on A Chip, 2010, 10, 1689.	6.0	0
3037	Introduction to Modern Techniques in Mass Spectrometry. , 2010, , 137-154.		1
3038	Overview of Peptide and Protein Analysis by Mass Spectrometry. Current Protocols in Protein Science, 2010, 62, Unit16.1.	2.8	44
3039	Selective Activation of Alkanes by Gas-Phase Metal Ions. Chemical Reviews, 2010, 110, 1170-1211.	47.7	444
3040	De Novo Sequencing Methods in Proteomics. Methods in Molecular Biology, 2010, 604, 105-121.	0.9	61
3041	Mass Spectrometry: Structure Determination of Proteins and Peptides. , 2010, , 457-496.		3

#	Article	IF	CITATIONS
3042	Reduced graphene oxide films used as matrix of MALDI-TOF-MS for detection of octachlorodibenzo-p-dioxin. Chemical Communications, 2010, 46, 6974.	4.1	124
3043	Proteomics technologies for the global identification and quantification of proteins. Advances in Protein Chemistry and Structural Biology, 2010, 80, 1-44.	2.3	142
3044	MALDI Imaging Mass Spectrometry – Painting Molecular Pictures. Molecular Oncology, 2010, 4, 529-538.	4.6	107
3045	Matrix-Assisted Laser Desorption Ionization-Mass Spectrometry Signal Enhancement of Peptides after Selective Extraction with Polymeric Reverse Micelles. Analytical Chemistry, 2010, 82, 3686-3691.	6.5	15
3046	Proteomic analysis of zymogen granules. Expert Review of Proteomics, 2010, 7, 735-747.	3.0	9
3047	Proteomic Characterization of Mesenchymal Stem Cell-Like Populations Derived from Ovine Periodontal Ligament, Dental Pulp, and Bone Marrow: Analysis of Differentially Expressed Proteins. Stem Cells and Development, 2010, 19, 1485-1499.	2.1	66
3048	Stimulants and Doping in Sport. Endocrinology and Metabolism Clinics of North America, 2010, 39, 89-105.	3.2	28
3049	Introduction to the Development and Validation of Predictive Biomarker Models from High-Throughput Data Sets. Methods in Molecular Biology, 2010, 620, 435-470.	0.9	7
3051	Detection of Proteins and Proteinâ^'Ligand Complexes Using HgTe Nanostructure Matrixes in Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2010, 82, 4543-4550.	6.5	70
3052	Investigation of Polymerization Mechanisms of Poly(<i>n</i> -Butyl Acrylate)s Generated in Different Solvents by LCâ^'ESlâ^'MS ² . Macromolecules, 2010, 43, 7082-7089.	4.8	16
3053	Discrimination of Isobaric Leucine and Isoleucine Residues and Analysis of Post-Translational Modifications in Peptides by MALDI In-Source Decay Mass Spectrometry Combined with Collisional Cooling. Analytical Chemistry, 2010, 82, 5628-5635.	6.5	25
3054	Peptide Fragmentation during Nanoelectrospray Ionization. Analytical Chemistry, 2010, 82, 6534-6541.	6.5	8
3055	Isozyme-Specific Fluorescent Inhibitor of Glutathione S-Transferase Omega 1. ACS Chemical Biology, 2010, 5, 449-453.	3.4	42
3056	Selective Enrichment and Analysis of Acidic Peptides and Proteins Using Polymeric Reverse Micelles and MALDI-MS. Analytical Chemistry, 2010, 82, 8686-8691.	6.5	21
3057	Gas-Phase Structure and Fragmentation Pathways of Singly Protonated Peptides with N-Terminal Arginine. Journal of Physical Chemistry B, 2010, 114, 15092-15105.	2.6	65
3058	Emission of Negative Potassium Ions from Single Crystal Potassium Bromide during Exposure to 248-nm Excimer Laser Radiation. Journal of Physical Chemistry C, 2010, 114, 5700-5708.	3.1	4
3059	Tiopronin Gold Nanoparticle Precursor Forms Aurophilic Ring Tetramer. Inorganic Chemistry, 2010, 49, 10858-10866.	4.0	46
3060	Automated Solvent-Free Matrix Deposition for Tissue Imaging by Mass Spectrometry. Analytical Chemistry, 2010, 82, 359-367.	6.5	62

#	Article	IF	Citations
3061	Chips from Chips: Application to the Study of Antibody Responses to Methylated Proteins. Journal of Proteome Research, 2010, 9, 6467-6478.	3.7	21
3062	Approaching the Complexity of Elastase-Digested Membrane Proteomes Using Off-Gel IEF/nLC-MALDI-MS/MS. Analytical Chemistry, 2010, 82, 2145-2149.	6.5	10
3063	Reactivity and Applications of New Amine Reactive Cross-Linkers for Mass Spectrometric Detection of Proteinâ Protein Complexes. Analytical Chemistry, 2010, 82, 172-179.	6.5	37
3064	Investigation of the Desorption Process in UV Matrix-Assisted Laser Desorption/Ionization with a Liquid 3-Nitrobenzyl Alcohol Matrix by Photoacoustic Analysis, Fast-Flash Imaging, and UV-Laser Postionization. Journal of Physical Chemistry C, 2010, 114, 5367-5381.	3.1	31
3065	Plasma Induced Oxidative Cleavage of Disulfide Bonds in Polypeptides during Nanoelectrospray Ionization. Analytical Chemistry, 2010, 82, 2856-2864.	6.5	52
3066	Laserspray Ionization on a Commercial Atmospheric Pressure-MALDI Mass Spectrometer Ion Source: Selecting Singly or Multiply Charged Ions. Analytical Chemistry, 2010, 82, 4998-5001.	6.5	57
3067	Complementarity of Solvent-Free MALDI TOF and Solid-State NMR Spectroscopy in Spectral Analysis of Polylactides. Analytical Chemistry, 2010, 82, 323-328.	6.5	21
3068	Yeast Expression Proteomics by High-Resolution Mass Spectrometry. Methods in Enzymology, 2010, 470, 259-280.	1.0	8
3069	Laserspray Ionization, a New Atmospheric Pressure MALDI Method for Producing Highly Charged Gas-phase Ions of Peptides and Proteins Directly from Solid Solutions. Molecular and Cellular Proteomics, 2010, 9, 362-367.	3.8	127
3070	Graphene as a Novel Matrix for the Analysis of Small Molecules by MALDI-TOF MS. Analytical Chemistry, 2010, 82, 6208-6214.	6.5	365
3071	Surface Fragmentation of Complexes from Thiolate Protected Gold Nanoparticles by Ion Mobility-Mass Spectrometry. Analytical Chemistry, 2010, 82, 3061-3066.	6.5	53
3072	Human growth hormone-specific aptamer identification using improved oligonucleotide ligand evolution method. Protein Expression and Purification, 2010, 69, 21-28.	1.3	19
3073	An update of MALDI-TOF mass spectrometry in lipid research. Progress in Lipid Research, 2010, 49, 450-475.	11.6	281
3074	Nanoparticle-single drop microextraction as multifunctional and sensitive nanoprobes: Binary matrix approach for gold nanoparticles modified with (4-mercaptophenyliminomethyl)-2-methoxyphenol for peptide and protein analysis in MALDI-TOF MS. Talanta, 2010, 81, 1176-1182.	5.5	43
3075	Electrostatically self-assembled azides on zinc sulfide nanoparticles as multifunctional nanoprobes for peptide and protein analysis in MALDI-TOF MS. Talanta, 2010, 82, 540-547.	5.5	18
3076	High resolution detection of high mass proteins up to 80,000Da via multifunctional CdS quantum dots in laser desorption/ionization mass spectrometry. Talanta, 2010, 83, 178-184.	5.5	39
3077	Proteomics for the Food Industry: Opportunities and Challenges. Critical Reviews in Food Science and Nutrition, 2010, 50, 680-692.	10.3	40
3078	Advances in methods for the determination of biologically relevant lipid peroxidation products. Free Radical Research, 2010, 44, 1172-1202.	3.3	127

#	Article	IF	CITATIONS
3079	Single embryo and oocyte lipid fingerprinting by mass spectrometry. Journal of Lipid Research, 2010, 51, 1218-1227.	4.2	109
3080	From Genes to Genomics to Proteomics. , 2010, , 139-163.		1
3081	Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry. International Journal of Molecular Sciences, 2010, 11, 5040-5055.	4.1	76
3082	Statistical Methods in Molecular Biology. Methods in Molecular Biology, 2010, , .	0.9	16
3084	Gas-Phase Chemistry of Multiply Charged Bioions in Analytical Mass Spectrometry. Annual Review of Analytical Chemistry, 2010, 3, 365-385.	5.4	25
3085	Effects of matrix, electrospray solution, and laser light on the desorption and ionization mechanisms in electrospray-assisted laser desorption ionization mass spectrometry. Analyst, The, 2010, 135, 759.	3.5	59
3086	Desorption corona beam ionization source for mass spectrometry. Analyst, The, 2010, 135, 688.	3. 5	79
3087	Detection of Carbohydrates and Steroids by Cation-Enhanced Nanostructure-Initiator Mass Spectrometry (NIMS) for Biofluid Analysis and Tissue Imaging. Analytical Chemistry, 2010, 82, 121-128.	6.5	94
3088	Biological Cluster Mass Spectrometry. Annual Review of Physical Chemistry, 2010, 61, 305-322.	10.8	66
3089	Interference free detection for small molecules: Probing the Mn2+-doped effect and cysteine capped effect on the ZnS nanoparticles for coccidiostats and peptide analysis in SALDI-TOF MS. Analyst, The, 2010, 135, 1115.	3.5	36
3090	An Editor's View of Analytical Chemistry (the Discipline). Annual Review of Analytical Chemistry, 2010, 3, 1-18.	5.4	7
3091	A new role for layered double hydroxides hybrid materialsâ€"uptake and delivery of small molecules into the gas phase. New Journal of Chemistry, 2010, 34, 541.	2.8	7
3092	New Paradigm in Ionization: Multiply Charged Ion Formation from a Solid Matrix without a Laser or Voltage. Analytical Chemistry, 2010, 82, 9164-9168.	6.5	94
3094	Mass Spectrometry and Glycomics. OMICS A Journal of Integrative Biology, 2010, 14, 401-418.	2.0	208
3096	Mass Spectrometry Imaging. Methods in Molecular Biology, 2010, , .	0.9	26
3097	A Structural Mass Spectrometry Strategy for the Relative Quantitation of Ligands on Mixed Monolayer-Protected Gold Nanoparticles. Analytical Chemistry, 2010, 82, 9268-9274.	6.5	37
3098	Biomedical Applications of Biophysics. , 2010, , .		3
3099	Characterization of human neutrophil peptides (\hat{l}_{\pm} -Defensins) in the tears of dry eye patients. Analytical Methods, 2010, 2, 1934.	2.7	10

#	Article	IF	Citations
3100	Peptide fragmentation by keV ion-induced dissociation. Physical Chemistry Chemical Physics, 2010, 12, 3376.	2.8	39
3101	Electrospray-assisted laser desorption ionization mass spectrometry (ELDI-MS) with an infrared laser for characterizing peptides and proteins. Analyst, The, 2010, 135, 767.	3.5	44
3102	Studying the stoichiometries of membrane proteins by mass spectrometry: microbial rhodopsins and a potassium ion channel. Physical Chemistry Chemical Physics, 2010, 12, 3480.	2.8	58
3103	The study of the distribution of melamine in rat renal tissues by imaging mass spectrometry. Analytical Methods, 2010, 2, 1974.	2.7	3
3104	Gas-phase fluorescence excitation and emission spectroscopy of mass-selected trapped molecular ions. Physical Chemistry Chemical Physics, 2010, 12, 2590.	2.8	75
3105	Application of Time-Dependent MALDI-TOF Mass Spectral Analysis To Elucidate Chain Transfer Mechanism during Cationic Polymerization of Oxazoline Monomers Containing Thioethers. Macromolecules, 2010, 43, 10152-10156.	4.8	8
3106	Membrane protein structural insights from chemical labeling and mass spectrometry. Analyst, The, 2010, 135, 1191.	3.5	38
3107	Online Quench-Flow Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for Elucidating Kinetic and Chemical Enzymatic Reaction Mechanisms. Analytical Chemistry, 2010, 82, 1897-1904.	6.5	17
3108	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Method for Selectively Producing Either Singly or Multiply Charged Molecular Ions. Analytical Chemistry, 2010, 82, 11-15.	6.5	92
3109	Competing ultrafast photoinduced quenching reactions in cinnamic acid : peptide blends. Physical Chemistry Chemical Physics, 2010, 12, 13052.	2.8	11
3110	Use of sequence-based approach to model and predict the mobile behaviour of peptide cations in ion mobility spectrometry. Molecular Simulation, 2011, 37, 243-249.	2.0	0
3111	Quantum Dot Enhancement of Peptide Detection by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2011, 83, 6593-6600.	6.5	21
3112	Dynamic proteome signatures in gametes, embryos and their maternal environment. Reproduction, Fertility and Development, 2011, 23, 81.	0.4	25
3113	Molecular imaging and depth profiling by mass spectrometryâ€"SIMS, MALDI or DESI?. Analyst, The, 2011, 136, 2199.	3.5	185
3114	Mass spectrometric studies of dissociation constants of noncovalent complexes. Annual Reports on the Progress of Chemistry Section C, 2011, 107, 199.	4.4	44
3115	Visible and ultraviolet spectroscopy of gas phase protein ions. Physical Chemistry Chemical Physics, 2011, 13, 16494.	2.8	118
3116	Polarization dependent fragmentation of ions produced by laser desorption from nanopost arrays. Physical Chemistry Chemical Physics, 2011, 13, 9140.	2.8	15
3117	The use of a silica-based heat sink to "uncouple―the matrix-assisted laser desorption/ionization (MALDI) mechanism. Canadian Journal of Chemistry, 2011, 89, 446-460.	1.1	2

#	Article	IF	CITATIONS
3118	Linking Mass Spectrometric Imaging and Traditional Peptidomics: A Validation in the Obese Mouse Model. Analytical Chemistry, 2011, 83, 7682-7691.	6.5	28
3119	Application of platinum nanoparticles as affinity probe and matrix for direct analysis of small biomolecules and microwave digested proteins using matrix-assisted laser desorption/ionization mass spectrometry. Analyst, The, 2011, 136, 2852.	3.5	39
3120	Coupling Sodium Dodecyl Sulfateâ^'Capillary Polyacrylamide Gel Electrophoresis with Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry via a Poly(tetrafluoroethylene) Membrane. Analytical Chemistry, 2011, 83, 1784-1790.	6.5	34
3121	Controlling Charge States of Peptides through Inductive Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2011, 83, 8863-8866.	6.5	16
3122	Laserspray Ionization, a New Method for Protein Analysis Directly from Tissue at Atmospheric Pressure with Ultrahigh Mass Resolution and Electron Transfer Dissociation. Molecular and Cellular Proteomics, 2011, 10, S1-S8.	3.8	59
3123	MassWiz: A Novel Scoring Algorithm with Target-Decoy Based Analysis Pipeline for Tandem Mass Spectrometry. Journal of Proteome Research, 2011, 10, 2154-2160.	3.7	46
3124	Evolution of Clinical Proteomics and its Role in Medicine. Journal of Proteome Research, 2011, 10, 66-84.	3.7	53
3125	Direct Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Imaging of Cellulose and Hemicellulose in <i>Populus</i> Tissue. Analytical Chemistry, 2011, 83, 6722-6730.	6.5	42
3126	Atmospheric Pressure Laser-Induced Acoustic Desorption Chemical Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for the Analysis of Complex Mixtures. Analytical Chemistry, 2011, 83, 1616-1623.	6.5	45
3127	Highly Sensitive MALDI Analyses of Glycans by a New Aminoquinoline-Labeling Method Using 3-Aminoquinoline/α-Cyano-4-hydroxycinnamic Acid Liquid Matrix. Analytical Chemistry, 2011, 83, 3663-3667.	6.5	71
3128	Bond dissociation of the dipeptide dialanine and its derivative alanine anhydride induced by low energy electrons. Journal of Chemical Physics, 2011, 134, 054305.	3.0	27
3129	Solvent Assisted Inlet Ionization: An Ultrasensitive New Liquid Introduction Ionization Method for Mass Spectrometry. Analytical Chemistry, 2011, 83, 3981-3985.	6.5	121
3130	Spatially Resolved Protein Hydrogen Exchange Measured by Matrix-Assisted Laser Desorption In-Source Decay. Analytical Chemistry, 2011, 83, 8859-8862.	6.5	35
3131	Sequence-Dependent Enrichment of a Model Phosphopeptide: A Combined MALDI-TOF and NMR Study. Analytical Chemistry, 2011, 83, 3003-3010.	6.5	11
3132	Frequency-Scanning MALDI Linear Ion Trap Mass Spectrometer for Large Biomolecular Ion Detection. Analytical Chemistry, 2011, 83, 8273-8277.	6.5	15
3133	Simple Dual-Spotting Procedure Enhances nLC–MALDI MS/MS Analysis of Digests with Less Specific Enzymes. Journal of Proteome Research, 2011, 10, 2889-2894.	3.7	8
3134	Inlet Ionization: A New Highly Sensitive Approach for Liquid Chromatography/Mass Spectrometry of Small and Large Molecules. Analytical Chemistry, 2011, 83, 7591-7594.	6.5	55
3135	Commercial Intermediate Pressure MALDI Ion Mobility Spectrometry Mass Spectrometer Capable of Producing Highly Charged Laserspray Ionization Ions. Analytical Chemistry, 2011, 83, 678-684.	6.5	52

#	Article	IF	CITATIONS
3136	Characterization of Column Packing Materials in High-Performance Liquid Chromatography by Charge-Detection Quadrupole Ion Trap Mass Spectrometry. Analytical Chemistry, 2011, 83, 5400-5406.	6.5	10
3137	Increasing Surface Capacity for On-Probe Affinity Capture MALDI-MS via Gold Particle Attachment to Allyl Amine Plasma Polymers. Analytical Chemistry, 2011, 83, 2500-2504.	6.5	3
3138	Toward a More Accurate Structural Determination of High Molecular Weight Polyrotaxanes Based on Cyclodextrins by MALDIâ^TOF MS. Macromolecules, 2011, 44, 1821-1830.	4.8	17
3139	High Resolution Time-of-Flight Mass Analysis of the Entire Range of Intact Singly-Charged Proteins. Analytical Chemistry, 2011, 83, 9406-9412.	6. 5	27
3140	Receptor tyrosine kinase signaling – a proteomic perspective. Advances in Enzyme Regulation, 2011, 51, 293-305.	2.6	11
3141	Matrix Interference-Free Method for the Analysis of Small Molecules by Using Negative Ion Laser Desorption/Ionization on Graphene Flakes. Analytical Chemistry, 2011, 83, 3161-3169.	6.5	119
3142	Matrix-Assisted Laser Desorption/Ionization. , 2011, , 507-559.		3
3143	Systems Biology in Immunology: A Computational Modeling Perspective. Annual Review of Immunology, 2011, 29, 527-585.	21.8	167
3144	The Potential of Proteomics Technologies for Crop Improvement under Drought Conditions. Critical Reviews in Plant Sciences, 2011, 30, 471-490.	5.7	29
3145	A century of mass spectrometry: from atoms to proteomes. Nature Methods, 2011, 8, 633-637.	19.0	83
3146	Mass Spectrometric Characterization of Oligo- and Polysaccharides and Their Derivatives. Advances in Polymer Science, 2011, , 105-174.	0.8	17
3147	Applications of Mass Spectrometry Techniques in the Investigation of Milk Proteome. European Journal of Mass Spectrometry, 2011, 17, 305-320.	1.0	47
3149	Characterization of Nanoparticles by Matrix Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry. Methods in Molecular Biology, 2011, 697, 53-61.	0.9	7
3150	Clinical proteomics: Current status, challenges, and future perspectives. Kaohsiung Journal of Medical Sciences, 2011, 27, 1-14.	1.9	32
3151	Understanding and optimizing electrospray ionization techniques for proteomic analysis. Expert Review of Proteomics, 2011, 8, 197-209.	3.0	25
3157	Nanoparticle-based mass spectrometry for the analysis of biomolecules. Chemical Society Reviews, 2011, 40, 1269-1281.	38.1	295
3160	Instruments and Methods in Proteomics. Methods in Molecular Biology, 2011, 696, 3-26.	0.9	37
3161	Preparation and Analysis of Proteins and Peptides Using MALDI TOF/TOF Mass Spectrometry. Current Protocols in Protein Science, 2011, 63, Unit 16.13.	2.8	21

#	Article	IF	Citations
3162	Proteomics on Brefeldin A-TreatedArabidopsisRoots Reveals Profilin 2 as a New Protein Involved in the Cross-Talk between Vesicular Trafficking and the Actin Cytoskeleton. Journal of Proteome Research, 2011, 10, 488-501.	3.7	55
3163	A Mechanical Nanomembrane Detector for Time-of-Flight Mass Spectrometry. Nano Letters, 2011, 11, 3681-3684.	9.1	39
3164	Discrimination of Fungi by MALDI-TOF Mass Spectrometry. ACS Symposium Series, 2011, , 35-50.	0.5	5
3165	Extending the Laserspray Ionization Concept to Produce Highly Charged Ions at High Vacuum on a Time-of-Flight Mass Analyzer. Analytical Chemistry, 2011, 83, 5469-5475.	6.5	51
3166	PCR Mutation Detection Protocols. Methods in Molecular Biology, 2011, 688, v.	0.9	2
3167	Mass Spectrometry-Driven Proteomics: An Introduction. Methods in Molecular Biology, 2011, 753, 1-27.	0.9	6
3168	Synergistic Effect of Graphene Oxide/MWCNT Films in Laser Desorption/Ionization Mass Spectrometry of Small Molecules and Tissue Imaging. ACS Nano, 2011, 5, 4550-4561.	14.6	182
3169	Synthesis of Mercapto-(+)-methamphetamine Haptens and Their Use for Obtaining Improved Epitope Density on (+)-Methamphetamine Conjugate Vaccines. Journal of Medicinal Chemistry, 2011, 54, 5221-5228.	6.4	43
3170	Facile synthesis of water-soluble multi-wall carbon nanotubes and polyaniline composites and their application in detection of small metabolites by matrix assisted laser desorption/ionization mass spectrometry. Chemical Communications, 2011, 47, 11017.	4.1	27
3171	Guidelines for Molecular Analysis in Archive Tissues. , 2011, , .		16
3172	On-Line Electrodialytic Salt Removal in Electrospray Ionization Mass Spectrometry of Proteins. Analytical Chemistry, 2011, 83, 1015-1021.	6.5	36
3173	Protein-Engineered Biomaterials: Synthesis and Characterization. , 2011, , 35-52.		1
3174	Characterization of Morphine–Glucose-6-phosphate Dehydrogenase Conjugates by Mass Spectrometry. Bioconjugate Chemistry, 2011, 22, 1595-1604.	3.6	6
3175	Matrix-assisted laser desorption/ionization-mass spectrometry of cuticular lipid profiles can differentiate sex, age, and mating status of Anopheles gambiae mosquitoes. Analytica Chimica Acta, 2011, 706, 157-163.	5 . 4	29
3176	A mutant single nucleotide polymorphism of follicle-stimulating hormone receptor is associated with a lower risk of endometriosis. Fertility and Sterility, 2011, 95, 455-457.	1.0	21
3177	Analysis of a Polydisperse Polyrotaxane Based on Poly(ethylene oxide) and α-Cyclodextrins Using Nanoelectrospray and LTQ-Orbitrap. Analytical Chemistry, 2011, 83, 8460-8467.	6.5	11
3178	Method for Simultaneous Imaging of Endogenous Low Molecular Weight Metabolites in Mouse Brain Using TiO ₂ Nanoparticles in Nanoparticle-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. Analytical Chemistry, 2011, 83, 7283-7289.	6.5	96
3179	The bifunctional role of Ag nanoparticles on bacteria—a MALDI-MS perspective. Analyst, The, 2011, 136, 5077.	3 . 5	19

#	Article	IF	CITATIONS
3180	Factors affecting the growth of bifidobacteria in human milk. International Dairy Journal, 2011, 21, 504-508.	3.0	15
3181	Structural insight into the glycosylphosphatidylinositol transamidase subunits PIG-K and PIG-S from yeast. Journal of Structural Biology, 2011, 173, 271-281.	2.8	12
3182	Steroid hormones analysis with surface-assisted laser desorption/ionization mass spectrometry using catechin-modified titanium dioxide nanoparticles. Talanta, 2011, 86, 415-420.	5 . 5	16
3183	Targeted proteomics by selected reaction monitoring mass spectrometry: applications to systems biology and biomarker discovery. Molecular BioSystems, 2011, 7, 292-303.	2.9	69
3184	Top-Down Multidimensional Mass Spectrometry Methods for Synthetic Polymer Analysis. Macromolecules, 2011, 44, 4555-4564.	4.8	65
3185	Short-Chain PEG Mixed Monolayer Protected Gold Clusters Increase Clearance and Red Blood Cell Counts. ACS Nano, 2011, 5, 3577-3584.	14.6	104
3186	Leveraging Biomarker Platforms and Systems Biology for Rehabilomics and Biologics Effectiveness Research. PM and R, 2011, 3, S139-47.	1.6	25
3187	Combinatorial Optimization of Multiple MALDI Matrices on a Single Tissue Sample Using Inkjet Printing. ACS Combinatorial Science, 2011, 13, 218-222.	3.8	12
3188	Nutriproteomics: technologies and applications for identification and quantification of biomarkers and ingredients. Proceedings of the Nutrition Society, 2011, 70, 351-364.	1.0	20
3189	High-Speed MALDI-TOF Imaging Mass Spectrometry: Rapid Ion Image Acquisition and Considerations for Next Generation Instrumentation. Journal of the American Society for Mass Spectrometry, 2011, 22, 1022-1031.	2.8	137
3190	Proteomic Analysis of Potential Breast Cancer Biomarkers., 2011,,.		1
3192	Liquid Matrices in MALDI-MS. , 0, , .		1
3193	Analytical Methods Mass Spectrometric Methods. , 2011, , 198-205.		3
3194	Proteomic analysis of different extracts from barley grains. Plant, Soil and Environment, 2002, 48, 261-264.	2.2	3
3196	The Role of Proteomics in the Diagnosis and Treatment of Women's Cancers: Current Trends in Technology and Future Opportunities. International Journal of Proteomics, 2011, 2011, 1-17.	2.0	13
3198	Desorption/Ionization Mechanism in Electrospray Droplet Impact. Journal of the Mass Spectrometry Society of Japan, 2011, 59, 95-105.	0.1	0
3199	Generation and Detection of Levuglandins and Isolevuglandins In Vitro and In Vivo. Molecules, 2011, 16, 5333-5348.	3.8	10
3202	Bacterial Secretion Chaperones. Protein and Peptide Letters, 2011, 18, 158-166.	0.9	12

#	Article	IF	CITATIONS
3203	Lectin Techniques for Glycoproteomics. Current Proteomics, 2011, 8, 248-256.	0.3	8
3204	Collision-Based Ionization: Bridging the Gap between Chemical Ionization and Aerosol Particle Diffusion Charging. Aerosol Science and Technology, 2011, 45, 712-726.	3.1	15
3205	The -omics Era- Toward a Systems-Level Understanding of Streptomyces. Current Genomics, 2011, 12, 404-416.	1.6	24
3206	Mass Spectrometry of Surfactant Aggregates. European Journal of Mass Spectrometry, 2011, 17, 525-541.	1.0	31
3208	Mass Spectrometry for Cellular and Tissue Analyses in a Very Small Region. Analytical Sciences, 2011, 27, 163-170.	1.6	25
3213	Early plume and shock wave dynamics in atmospheric-pressure ultraviolet-laser ablation of different matrix-assisted laser ablation matrices. Journal of Applied Physics, 2011, 109, .	2.5	20
3216	Saliva: diagnostics and therapeutic perspectives. Oral Diseases, 2011, 17, 345-354.	3.0	265
3217	Recent developments in synchrotron vacuum ultraviolet photoionization coupled to mass spectrometry. TrAC - Trends in Analytical Chemistry, 2011, 30, 1400-1409.	11.4	40
3218	A proteomics view of programmed cell death mechanisms during host–parasite interactions. Journal of Proteomics, 2011, 75, 246-256.	2.4	4
3219	Where systems biology meets postharvest. Postharvest Biology and Technology, 2011, 62, 223-237.	6.0	49
3220	Use of matrix-assisted laser desorption/ionisation mass spectrometry in cancer research. Journal of Pharmacological and Toxicological Methods, 2011, 64, 197-206.	0.7	18
3221	PEGylated recombinant von Willebrand factor analyzed by means of MALDI-TOF-MS, CGE-on-a-chip and nES-GEMMA. International Journal of Mass Spectrometry, 2011, 305, 157-163.	1.5	6
3222	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometric behavior of succinoglycan monomers, dimers, and trimers isolated from Sinorhizobium meliloti 1021. Carbohydrate Research, 2011, 346, 2308-2314.	2.3	17
3223	Analysis of Biomolecules through Surfaceâ€Assisted Laser, Desorption/Ionization Mass Spectrometry Employing Nanomaterials. Journal of the Chinese Chemical Society, 2011, 58, 769-778.	1.4	13
3224	Rapid Sample Preparation for Microorganism Analysis by Mass Spectrometry. ACS Symposium Series, 2011, , 5-34.	0.5	1
3226	Plume Expansion Dynamics of Matrixâ€Assisted Laser Desorption Ionization. Chemistry - an Asian Journal, 2011, 6, 2986-2991.	3.3	12
3227	Mutation detection in plasmidâ€based biopharmaceuticals. Biotechnology Journal, 2011, 6, 378-391.	3.5	4
3231	Theoretical and experimental study of the structure and stability of multiply Na-substituted glucose and 2,4,6-trihydroxyacetophenone derivatives. Russian Journal of Inorganic Chemistry, 2011, 56, 61-70.	1.3	4

#	Article	IF	Citations
3232	Theoretical and experimental study of fullerenol molecules and ions C60(OH)24 \hat{a} n (OL) n and C60(OH)24 \hat{a} n (OL) n L+ successively substituted by Alkali Metal atoms L (n = $1\hat{a}$ 24). Russian Journal of Inorganic Chemistry, 2011, 56, 580-590.	1.3	2
3233	Small-molecule analysis by surface-assisted laser desorption/ionization mass spectrometry. Journal of Analytical Chemistry, 2011, 66, 1227-1242.	0.9	36
3234	Analysis of Intact Protein Isoforms by Mass Spectrometry. Journal of Biological Chemistry, 2011, 286, 25451-25458.	3.4	88
3235	Principles of Electrospray Ionization. Molecular and Cellular Proteomics, 2011, 10, M111.009407.	3.8	186
3236	New Applications of Mass Spectrometry in Lipid Analysis. Journal of Biological Chemistry, 2011, 286, 25427-25433.	3.4	51
3237	The frontiers of mass spectrometry-based techniques in food allergenomics. Journal of Chromatography A, 2011, 1218, 7386-7398.	3.7	87
3238	MALDI imaging mass spectrometry for direct tissue analysis: technological advancements and recent applications. Histochemistry and Cell Biology, 2011, 136, 227-244.	1.7	108
3239	Quantitative analysis of denatured collagen by collagenase digestion and subsequent MALDI-TOF mass spectrometry. Cell and Tissue Research, 2011, 343, 605-617.	2.9	21
3240	Engineered droplets for dried droplet solute deposition by mass spectrometric imaging. Microfluidics and Nanofluidics, 2011, 11, 145-156.	2.2	6
3241	Matrix-free and material-enhanced laser desorption/ionization mass spectrometry for the analysis of low molecular weight compounds. Analytical and Bioanalytical Chemistry, 2011, 400, 2281-2288.	3.7	58
3242	Size, weight and position: ion mobility spectrometry and imaging MS combined. Analytical and Bioanalytical Chemistry, 2011, 399, 2623-2634.	3.7	45
3243	Comprehensive study of condensed tannins by ESI mass spectrometry: average degree of polymerisation and polymer distribution determination from mass spectra. Analytical and Bioanalytical Chemistry, 2011, 400, 613-623.	3.7	31
3244	Surface-assisted laser desorption/ionization-mass spectrometry using TiO2-coated steel targets for the analysis of small molecules. Analytical and Bioanalytical Chemistry, 2011, 401, 1963-1974.	3.7	41
3245	Analysis of low molecular weight compounds by MALDI-FTICR-MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1166-1179.	2.3	55
3246	Quantitative determination of nicotinic acid in micro liter volume of urine sample by drop-to-drop solvent microextraction coupled to matrix assisted laser desorption/ionization mass spectrometry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 253-257.	3.9	21
3247	Mass Spectrometry Characterization of the Thermal Decomposition/Digestion (TDD) at Cysteine in Peptides and Proteins in the Condensed Phase. Journal of the American Society for Mass Spectrometry, 2011, 22, 1926-40.	2.8	19
3248	High Throughput Enzyme Inhibitor Screening by Functionalized Magnetic Carbonaceous Microspheres and Graphene Oxide-Based MALDI-TOF-MS. Journal of the American Society for Mass Spectrometry, 2011, 22, 2188-2198.	2.8	19
3249	Proteomic Analysis in Multiple Myeloma Research. Molecular Biotechnology, 2011, 47, 83-93.	2.4	15

#	ARTICLE	IF	CITATIONS
3250	Differentiation of Positional Isomers of Hybrid Peptides Containing Repeats of β-Nucleoside Derived Amino Acid (β-Nda-) and L-Amino Acids by Positive and Negative Ion Electrospray Ionization Tandem Mass Spectrometry (ESI-MS ^{<i>n</i>>/i>}). Journal of the American Society for Mass Spectrometry, 2011, 22, 703-717.	2.8	10
3251	Laser-Induced Oxidation of Cholesterol Observed During MALDI-TOF Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2011, 22, 659-669.	2.8	24
3252	Compelling Evidence for Lucky Survivor and Gas Phase Protonation: The Unified MALDI Analyte Protonation Mechanism. Journal of the American Society for Mass Spectrometry, 2011, 22, 976-988.	2.8	152
3253	Mass Spectrometric Immunoassay Revisited. Journal of the American Society for Mass Spectrometry, 2011, 22, 960-968.	2.8	36
3254	The Future of Biological Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2011, 22, 953-959.	2.8	34
3255	Bond Cleavage of the Peptide Backbone in MALDI In-Source Decay Using Salicylic Acid Derivative Matrices. Journal of the American Society for Mass Spectrometry, 2011, 22, 1224-33.	2.8	49
3256	Efficient Analysis of Non-Polar Environmental Contaminants by MALDI-TOF MS with Graphene as Matrix. Journal of the American Society for Mass Spectrometry, 2011, 22, 1294-1298.	2.8	68
3257	Systems level analysis of lipidome. Frontiers in Biology, 2011, 6, 183-189.	0.7	0
3258	Physicochemical and biological characterization of 1E10 Anti-Idiotype vaccine. BMC Biotechnology, 2011, 11, 112.	3.3	9
3259	Semiconductor cadmium sulphide nanoparticles as matrices for peptides and as coâ€matrices for the analysis of large proteins in matrixâ€assisted laser desorption/ionization reflectron and linear timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 271-280.	1.5	20
3260	Study of the desorption/ionization mechanism in electrospray droplet impact secondary ion mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 655-660.	1.5	21
3261	Comprehensive molecular imaging of photolabile surface samples with synchronized dualâ€polarity timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 834-842.	1.5	9
3262	Imaging mass spectrometry in transmission geometry. Rapid Communications in Mass Spectrometry, 2011, 25, 815-820.	1.5	61
3263	Octylâ€functionalized hybrid magnetic mesoporous microspheres for enrichment of lowâ€concentration peptides prior to direct analysis by matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 1257-1265.	1.5	16
3264	3â€Mercaptopropionic acid modified <scp>ZnSe</scp> quantum dots as the matrix for direct surfaceâ€assisted laser desorption/ionization mass spectrometric analysis of peptides/proteins from sodium salt solution. Rapid Communications in Mass Spectrometry, 2011, 25, 1779-1786.	1.5	13
3265	Evaluation of combined matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight and matrixâ€assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry experiments for peptide mass fingerprinting analysis. Rapid Communications in Mass Spectrometry, 2011. 25. 1881-1892.	1.5	5
3266	Carbon disulfide reagent allows the characterization of nonpolar analytes by atmospheric pressure chemical ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 1924-1928.	1.5	29
3267	Investigation of inâ€source decay of oximeâ€inked peptide by matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 2106-2112.	1.5	2

#	ARTICLE	IF	CITATIONS
3268	Characterization of N ^α â€Fmocâ€protected dipeptide isomers by electrospray ionization tandem mass spectrometry (ESlâ€MS ⁿ): effect of protecting group on fragmentation of dipeptides. Rapid Communications in Mass Spectrometry, 2011, 25, 1949-1958.	1.5	9
3269	A new rapid and microâ€scale hydrolysis, using triethylamine citrate, for lipopolysaccharide characterization by mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 2043-2048.	1.5	19
3270	Fragmentation characteristics of b _n (n = 2–15) ions from protonated peptides. Rapid Communications in Mass Spectrometry, 2011, 25, 2283-2290.	1.5	7
3271	Disulfide bond decay during matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry experiments. Rapid Communications in Mass Spectrometry, 2011, 25, 2468-2474.	1.5	4
3272	The effects of molecular weight distribution and sample preparation on matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometric analysis of petroleum macromolecules. Rapid Communications in Mass Spectrometry, 2011, 25, 2799-2808.	1.5	15
3273	Graphene and graphene oxide: two ideal choices for the enrichment and ionization of longâ€chain fatty acids free from matrixâ€assisted laser desorption/ionization matrix interference. Rapid Communications in Mass Spectrometry, 2011, 25, 3223-3234.	1.5	68
3274	Inlet ionization: protein analyses from the solid state without the use of a voltage or a laser producing up to 67 charges on the 66 kDa BSA protein. Rapid Communications in Mass Spectrometry, 2011, 25, 3453-3456.	1.5	29
3275	Global optimization of the infrared matrixâ€assisted laser desorption electrospray ionization (IR) Tj ETQq1 1 0.784 in Mass Spectrometry, 2011, 25, 3527-3536.	314 rgBT 1.5	/Overlock 1 38
3276	Detection of peptides in high concentration of salts by electrospray droplet impact/secondary ion mass spectrometry. Surface and Interface Analysis, 2011, 43, 1341-1345.	1.8	3
3277	Grapheneâ€Based Materials: Synthesis, Characterization, Properties, and Applications. Small, 2011, 7, 1876-1902.	10.0	2,239
3278	Sieveâ€based device for MALDI sample preparation. III. Its power for quantitative measurements. Journal of Mass Spectrometry, 2011, 46, 230-236.	1.6	3
3279	<i>Ab initio</i> quantum chemical study on the mechanism of <i>exceptional behavior</i> of lysine for ion yields in MALDIâ€"role of vibrational entropic contribution in thermally averaged proton affinities. Journal of Mass Spectrometry, 2011, 46, 376-382.	1.6	5
3280	Fragmentation features of intermolecular crossâ€linked peptides using Nâ€hydroxy―succinimide esters by MALDI―and ESIâ€MS/MS for use in structural proteomics. Journal of Mass Spectrometry, 2011, 46, 742-750.	1.6	15
3281	High throughput identification of components from traditional Chinese medicine herbs by utilizing graphene or graphene oxide as MALDI‶OFâ€MS matrix. Journal of Mass Spectrometry, 2011, 46, 804-815.	1.6	55
3282	Surface-assisted laser desorption and ionization mass spectrometry using low-cost matrix-free substrates. Journal of Mass Spectrometry, 2011, 46, 859-864.	1.6	6
3283	Fragmentation pathways of polymer ions. Mass Spectrometry Reviews, 2011, 30, 523-559.	5.4	170
3284	Mass spectrometry of peptides and proteins from human blood. Mass Spectrometry Reviews, 2011, 30, 685-732.	5.4	57
3285	Plant organelle proteomics: Collaborating for optimal cell function. Mass Spectrometry Reviews, 2011, 30, 772-853.	5.4	89

#	ARTICLE	IF	CITATIONS
3286	APCI/APPI for synthetic polymer analysis. Mass Spectrometry Reviews, 2011, 30, 854-874.	5.4	48
3287	Using a Functional Nanogold Membrane Coupled with Laser Desorption/Ionization Mass Spectrometry to Detect Lead Ions in Biofluids. Advanced Functional Materials, 2011, 21, 4448-4455.	14.9	40
3288	Nonâ€Reflecting Silicon and Polymer Surfaces by Plasma Etching and Replication. Advanced Materials, 2011, 23, 122-126.	21.0	149
3290	Modern Biomolecular Mass Spectrometry and its Role in Studying Virus Structure, Dynamics, and Assembly. Angewandte Chemie - International Edition, 2011, 50, 8248-8262.	13.8	77
3291	MALDI-TOF mass spectrometry tools for bacterial identification in clinical microbiology laboratory. Clinical Biochemistry, 2011, 44, 104-109.	1.9	345
3292	Mass spectrometric characterization of the isoforms in Escherichia coli recombinant DNA-derived interferon alpha-2b. Analytical Biochemistry, 2011, 408, 105-117.	2.4	12
3293	Fungal pigments inhibit the matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis of darkly pigmented fungi. Analytical Biochemistry, 2011, 411, 122-128.	2.4	64
3294	Characterization of intact antibody–drug conjugates from plasma/serum in vivo by affinity capture capillary liquid chromatography–mass spectrometry. Analytical Biochemistry, 2011, 412, 56-66.	2.4	174
3295	An alternative ionization paradigm for atmospheric pressure mass spectrometry: Flying elephants from Trojan horses. International Journal of Mass Spectrometry, 2011, 300, 167-172.	1.5	40
3296	Tandem Fourier transform mass spectrometry of block and random copolymers. International Journal of Mass Spectrometry, 2011, 301, 184-194.	1.5	15
3297	Mass spectrometry analysis of poly(styrene sulfonate sodium salt), a polyanionic electrolyte. International Journal of Mass Spectrometry, 2011, 301, 195-201.	1.5	8
3298	Simulation of duty cycle-based trapping and ejection of massive ions using linear digital quadrupoles: The enabling technology for high resolution time-of-flight mass spectrometry in the ultra high mass range. International Journal of Mass Spectrometry, 2011, 304, 36-40.	1.5	27
3299	Physical characterization of succinylated type I collagen by Raman spectra and MALDI-TOF/MS and in vitro evaluation for biomedical applications. Journal of Molecular Structure, 2011, 994, 117-124.	3.6	23
3300	Mass spectrometry â€" One of the pillars of proteomics. Journal of Proteomics, 2011, 74, 915-919.	2.4	4
3301	Negative-ion MALDI-MS2 for discrimination of $\hat{l}\pm 2,3$ - and $\hat{l}\pm 2,6$ -sialylation on glycopeptides labeled with a pyrene derivative. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1419-1428.	2.3	16
3302	Matrix-assisted laser desorption/ionization mass spectrometry for quantitative determination of β-blocker drugs in one-drop of human serum sample. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 35-40.	2.3	16
3303	Thermochemistry of aqueous pyridine-3-carboxylic acid (nicotinic acid). Journal of Chemical Thermodynamics, 2011, 43, 974-979.	2.0	13
3304	Post-translation modification of proteins; methodologies and applications in plant sciences. Phytochemistry, 2011, 72, 975-996.	2.9	39

#	Article	IF	CITATIONS
3305	Toward automated glycan analysis. Advances in Carbohydrate Chemistry and Biochemistry, 2011, 65, 219-271.	0.9	61
3306	Studies of Heterogeneous/Homogeneous Ion-Molecule Reactions by Ambient Ionization Mass Spectrometry. Current Organic Chemistry, 2011, 15, 3734-3749.	1.6	13
3307	Insight into the Glycation of Milk Proteins: An ESI- and MALDI-MS Perspective (Review). Critical Reviews in Food Science and Nutrition, 2011, 51, 410-431.	10.3	51
3308	Mechanisms of Resonant Infrared Matrix-Assisted Pulsed Laser Evaporation. Critical Reviews in Solid State and Materials Sciences, 2011, 36, 16-45.	12.3	38
3309	Rapid detection of GM1 ganglioside in cerebrospinal fluid in dogs with GM1 gangliosidosis using matrix-assisted laser desorption ionization time-of-flight mass spectrometry. Journal of Veterinary Diagnostic Investigation, 2011, 23, 1202-1207.	1.1	8
3310	Proteomics in the microbial sciences. Bioengineered Bugs, 2011, 2, 17-30.	1.7	21
3311	Development of a stigmatic mass microscope using laser desorptionâ•ionization and a multi-turn time-of-flight mass spectrometer. Journal of Biomedical Optics, 2011, 16, 046007.	2.6	15
3312	Mass Spectrometry for Structural Biology: Determining the Composition and Architecture of Protein Complexes. Australian Journal of Chemistry, 2011, 64, 681.	0.9	7
3313	MALDI imaging techniques dedicated to drug-distribution studies. Bioanalysis, 2011, 3, 1399-1406.	1.5	30
3314	Complexity in Differential Peptide–Receptor Signaling: Response to Segonzac et al. and Mueller et al. Commentaries. Plant Cell, 2012, 24, 3177-3185.	6.6	14
3315	Phosphoproteomics and Lung Cancer Research. International Journal of Molecular Sciences, 2012, 13, 12287-12314.	4.1	11
3316	Inhibitor of Apoptosis Protein-Like Protein-2 as a Novel Serological Biomarker for Breast Cancer. International Journal of Molecular Sciences, 2012, 13, 16737-16750.	4.1	14
3317	Proteomic Analyses of the Vitreous Humour. Mediators of Inflammation, 2012, 2012, 1-7.	3.0	67
3318	Performances of the Vitek MS Matrix-Assisted Laser Desorption Ionization–Time of Flight Mass Spectrometry System for Rapid Identification of Bacteria in Routine Clinical Microbiology. Journal of Clinical Microbiology, 2012, 50, 2568-2576.	3.9	119
3319	Localization and imaging of gangliosides in mouse brain tissue sections by laserspray ionization inlet. Journal of Lipid Research, 2012, 53, 1390-1398.	4.2	36
3320	Analysis of Tissue Proteomes of the Gulf Killifish, Fundulus grandis, by 2D Electrophoresis and MALDI–TOF/TOF Mass Spectrometry. Integrative and Comparative Biology, 2012, 52, 626-635.	2.0	7
3321	Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Synthetic Polymers. Macromolecular Symposia, 2012, 313-314, 157-161.	0.7	17
3322	Clinical Proteomics. Circulation: Cardiovascular Genetics, 2012, 5, 377-377.	5.1	4

#	Article	IF	CITATIONS
3323	Toxicoproteomics in diagnostic toxicology. , 2012, , 1341-1349.		0
3324	<i>N</i> -(4- ¹⁸ F-Fluorobenzoyl)Interleukin-2 for PET of Human-Activated T Lymphocytes. Journal of Nuclear Medicine, 2012, 53, 679-686.	5.0	88
3325	Omics Approaches to Meat Quality Management. , 2012, , 266-299.		0
3326	Array Platform for Food Safety and Quality. , 2012, , 30-73.		0
3327	Tissue imaging with a stigmatic mass microscope using laser desorption/ionization. Proceedings of SPIE, 2012, , .	0.8	0
3328	Application of mass spectrometry to molecular surveillance of hepatitis B and C viral infections. Antiviral Therapy, 2012, 17, 1477-1482.	1.0	6
3329	Functional Analyses of Endometriosis-Related Polymorphisms in the Estrogen Synthesis and Metabolism-Related Genes. PLoS ONE, 2012, 7, e47374.	2.5	19
3330	Ionic Liquids as Matrices in Microfluidic Sample Deposition for High-Mass Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. European Journal of Mass Spectrometry, 2012, 18, 279-286.	1.0	19
3331	Design and Performance of a Desktop Time-of-Flight Mass Spectrometer for Analyzing Metal Ions. European Journal of Mass Spectrometry, 2012, 18, 349-360.	1.0	2
3333	- Peptides. , 2012, , 86-113.		1
3335	Molecular and Functional Analysis of Cellular Phenomena Using Single-Cell Mass Spectrometry. Biological and Pharmaceutical Bulletin, 2012, 35, 1425-1431.	1.4	20
3336	On the path to glycan conformer identification: Gas-phase study of the anomers of methyl glycosides of N-acetyl-d-glucosamine and N-acetyl-d-galactosamine. International Journal of Mass Spectrometry, 2012, 330-332, 285-294.	1.5	26
3337	Determination of molecular weights of caprine milk proteins by matrix-assisted laser desorption/ionization mass spectrometry. Journal of Dairy Science, 2012, 95, 15-19.	3.4	11
3338	Strain-Level Typing and Identification of Bacteria Using Mass Spectrometry-Based Proteomics. Journal of Proteome Research, 2012, 11, 2710-2720.	3.7	50
3339	Functionalized Graphene-Coated Cobalt Nanoparticles for Highly Efficient Surface-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis. Analytical Chemistry, 2012, 84, 9268-9275.	6.5	56
3340	A new combination MALDI matrix for small molecule analysis: application to imaging mass spectrometry for drugs and metabolites. Analyst, The, 2012, 137, 5757.	3.5	60
3341	Enzyme-cleavable tandem peptides for quantitative studies in MS-based proteomics. Proteomics, 2012, 12, 3470-3474.	2.2	8
3342	Semitransparent Nanostructured Films for Imaging Mass Spectrometry and Optical Microscopy. Analytical Chemistry, 2012, 84, 10665-10670.	6.5	9

#	Article	IF	CITATIONS
3343	Genomics of Temperate Fruit Trees. , 2012, , 155-208.		0
3344	A REVIEW RECENT DEVELOPMENTS IN SAMPLE IONIZATION INTERFACES USED IN MASS SPECTROMETRY. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 2345-2363.	1.0	6
3347	Comparison of Sample Preparation Methods and Evaluation of Intra- and Intersample Reproducibility in Bacteria MALDI-MS Profiling. Analytical Chemistry, 2012, 84, 9971-9980.	6.5	30
3348	Theoretical study of C60(OH)20 and C60(OH)18 fullerenols and B12(OH) 12 2â° , Si20O30(OH)20, and Ti20O30(OH)20 polyhydroxyl clusters and their Li-substituted derivatives. Russian Journal of Inorganic Chemistry, 2012, 57, 970-980.	1.3	4
3349	Electron transfer dissociation <i>versus</i> collisionally activated dissociation of cationized biodegradable polyesters. Journal of Mass Spectrometry, 2012, 47, 1442-1449.	1.6	21
3350	Sensitive ionization of nonâ€volatile analytes using protein solutions as spray liquid in desorption electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2012, 26, 2770-2776.	1.5	2
3351	Targeting proteomics to investigate metastasis-associated mitochondrial proteins. Journal of Bioenergetics and Biomembranes, 2012, 44, 629-634.	2.3	8
3352	Multiplexing and multivariate analysis in neurodegeneration. Methods, 2012, 56, 464-470.	3.8	11
3353	Matrix Assisted Ionization: New Aromatic and Nonaromatic Matrix Compounds Producing Multiply Charged Lipid, Peptide, and Protein Ions in the Positive and Negative Mode Observed Directly from Surfaces. Journal of the American Society for Mass Spectrometry, 2012, 23, 1625-1643.	2.8	61
3354	A Mechanism for Ionization of Nonvolatile Compounds in Mass Spectrometry: Considerations from MALDI and Inlet Ionization. Journal of the American Society for Mass Spectrometry, 2012, 23, 1644-1660.	2.8	110
3355	Accelerated Simulation Study of Space Charge Effects in Quadrupole Ion Traps Using GPU Techniques. Journal of the American Society for Mass Spectrometry, 2012, 23, 1799-1807.	2.8	27
3356	Graphite Supported Preparation (GSP) of α-Cyano-4-Hydroxycinnamic Acid (CHCA) for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry (MALDI-MS) for Peptides and Proteins. Journal of the American Society for Mass Spectrometry, 2012, 23, 1949-1954.	2.8	21
3357	MALDI Imaging and Structural Analysis of Rat Brain Lipid Negative Ions with 9-Aminoacridine Matrix. Analytical Chemistry, 2012, 84, 2164-2171.	6.5	130
3358	Find Pairs: The Module for Protein Quantification of the PeakQuant Software Suite. OMICS A Journal of Integrative Biology, 2012, 16, 457-467.	2.0	3
3359	Matrixes in UV-MALDI mass spectrometry – crystals of organic salts versus co-crystals of neutral polyfunctional carboxylic acids. Analytical Methods, 2012, 4, 2247-2253.	2.7	17
3360	Quasi-dynamic mode of nanomembranes for time-of-flight mass spectrometry of proteins. Nanoscale, 2012, 4, 2543.	5.6	11
3361	Facile synthesis of magnetic graphene and carbon nanotube composites as a novel matrix and adsorbent for enrichment and detection of small molecules by MALDI-TOF MS. Journal of Materials Chemistry, 2012, 22, 20778.	6.7	64
3362	Enrichment and detection of small molecules using magnetic graphene as an adsorbent and a novel matrix of MALDI-TOF-MS. Chemical Communications, 2012, 48, 2418.	4.1	112

#	Article	IF	CITATIONS
3363	Modification of the secondary structure of angiotensin II by substitution of hydrogen with Cs cations: an experimental and theoretical study. Physical Chemistry Chemical Physics, 2012, 14, 9301.	2.8	0
3364	Solid probe assisted nanoelectrospray ionization mass spectrometry for biological tissue diagnostics. Analyst, The, 2012, 137, 4658.	3.5	29
3365	Unexpected complexation reaction during analysis of proteins using laser desorption spray post-ionization mass spectrometry. Analyst, The, 2012, 137, 1764.	3.5	11
3366	Photoacoustic and luminescence characterization of nitrogen heterocyclic aromatic UV-MALDI matrices in solution. Photochemical and Photobiological Sciences, 2012, 11, 1062-1068.	2.9	4
3367	Translational and rotational energy content of benzene molecules IR-desorbed from an in vacuo liquid surface. Physical Chemistry Chemical Physics, 2012, 14, 9185.	2.8	0
3368	Nanoassisted Laser Desorption-Ionization-MS Imaging of Tumors. Analytical Chemistry, 2012, 84, 6341-6345.	6.5	38
3369	Surface Acoustic Wave Nebulization Facilitating Lipid Mass Spectrometric Analysis. Analytical Chemistry, 2012, 84, 6530-6537.	6.5	54
3370	Laserspray Ionization Imaging of Multiply Charged Ions Using a Commercial Vacuum MALDI Ion Source. Analytical Chemistry, 2012, 84, 9079-9084.	6.5	40
3371	Alkylated Dihydroxybenzoic Acid as a MALDI Matrix Additive for Hydrophobic Peptide Analysis. Analytical Chemistry, 2012, 84, 4237-4243.	6.5	26
3372	Rapid differentiation of Panax ginseng and Panax quinquefolius by matrix-assisted laser desorption/ionization mass spectrometry. Analytica Chimica Acta, 2012, 753, 73-81.	5.4	21
3373	Analysis of Initial Reactions of MALDI Based on Chemical Properties of Matrixes and Excitation Condition. Journal of Physical Chemistry B, 2012, 116, 9635-9643.	2.6	18
3374	Analysis of High Mass-to-Charge lons in a Quadrupole Ion Trap Mass Spectrometer via an End-Cap Quadrupolar Direct Current Downscan. Analytical Chemistry, 2012, 84, 7562-7569.	6.5	8
3375	MALDI Mass Spectrometric Imaging of Cardiac Tissue Following Myocardial Infarction in a Rat Coronary Artery Ligation Model. Analytical Chemistry, 2012, 84, 1117-1125.	6.5	54
3376	Laser Desorption Single-Photon Ionization of Asphaltenes: Mass Range, Compound Sensitivity, and Matrix Effects. Energy &	5.1	46
3377	N-Acylated Dipeptide Tags Enable Precise Measurement of Ion Temperature in Peptide Fragmentation. Journal of Physical Chemistry B, 2012, 116, 13982-13990.	2.6	3
3378	Imide Photodissociation Investigated by X-ray Absorption Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 7048-7054.	2.6	6
3379	Infrared Multiple Photon Dissociation Spectroscopy and Computational Studies of O-Glycosylated Peptides. Analytical Chemistry, 2012, 84, 2188-2194.	6.5	15
3380	Nanophotonic Ionization for Ultratrace and Single-Cell Analysis by Mass Spectrometry. Analytical Chemistry, 2012, 84, 7756-7762.	6.5	83

#	ARTICLE	IF	CITATIONS
3381	Glycosylations and truncations of functional cereal phytases expressed and secreted by Pichia pastoris documented by mass spectrometry. Protein Expression and Purification, 2012, 82, 179-185.	1.3	4
3382	Fragmentation hydrogen exchange mass spectrometry: A review of methodology and applications. Protein Expression and Purification, 2012, 84, 19-37.	1.3	26
3383	Identification of multiply charged proteins and amino acid clusters by liquid nitrogen assisted spray ionization mass spectrometry. Talanta, 2012, 97, 539-549.	5.5	20
3384	Dispersive liquid–liquid microextraction using functionalized Mg(OH)2 NPs with oleic acid as hydrophobic affinity probes for the analysis of hydrophobic proteins in bacteria by MALDI MS. Analyst, The, 2012, 137, 4490.	3.5	38
3385	Fragmentation Processes of Hydrogen-Deficient Peptide Radicals in Matrix-Assisted Laser Desorption/Ionization In-Source Decay Mass Spectrometry. Journal of Physical Chemistry B, 2012, 116, 4016-4023.	2.6	24
3386	Improved detection of phosphopeptides by negative ion matrix-assisted laser desorption/ionization mass spectrometry using a proton sponge co-matrix. Analytica Chimica Acta, 2012, 711, 77-82.	5.4	10
3387	Small molecule analysis using laser desorption/ionization mass spectrometry on nano-coated silicon with self-assembled monolayers. Analytica Chimica Acta, 2012, 729, 54-61.	5.4	12
3388	Nanoengineered micro gold shells for LDI-TOF analysis of small molecules. Analytica Chimica Acta, 2012, 736, 1-6.	5.4	25
3389	New peptides obtained by hydrolysis of caseins from bovine milk by protease extracted from the latex Jacaratia corumbensis. LWT - Food Science and Technology, 2012, 49, 73-79.	5.2	23
3390	Quantification of HPLC-separated peptides and proteins by spectrofluorimetric detection of native fluorescence and mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 902, 70-77.	2.3	12
3391	Heat capacity and thermodynamics of solid and liquid pyridine-3-carboxylic acid (nicotinic acid) over the temperature range 296K to 531K. Journal of Chemical Thermodynamics, 2012, 55, 23-28.	2.0	28
3392	Investigation of protein–RNA interactions by mass spectrometry—Techniques and applications. Journal of Proteomics, 2012, 75, 3478-3494.	2.4	43
3393	Recent advances in peptide separation by multidimensional liquid chromatography for proteome analysis. Journal of Proteomics, 2012, 75, 3791-3813.	2.4	141
3394	MALDI-TOF mass spectrometry screening of cholelithiasis risk markers in the gene of HNF1alpha. Journal of Proteomics, 2012, 75, 3386-3399.	2.4	4
3395	Targeted proteome investigation via selected reaction monitoring mass spectrometry. Journal of Proteomics, 2012, 75, 3495-3513.	2.4	59
3396	Probe-based chemical modulations of tissues for IMS. Journal of Proteomics, 2012, 75, 4921-4930.	2.4	3
3397	<i>>9,10</i> >â€Diphenylanthracene as a matrix for MALDIâ€MS electron transfer secondary reactions. Journal of Mass Spectrometry, 2012, 47, 995-1003.	1.6	19
3398	An optimized matrixâ€assisted laser desorption/ionization sample preparation using a liquid matrix, 3â€aminoquinoline/ <i>α</i> â€eyanoâ€4â€hydroxycinnamic acid, for phosphopeptides. Rapid Communications in Mass Spectrometry, 2012, 26, 2454-2460.	1.5	15

#	ARTICLE Electrospray ionization tandem mass spectrometry of protonated and alkaliâ€cationized Bocâ€Nâ€protected	IF	CITATIONS
3399	hybrid peptides containing repeats of Dâ€Alaâ€APýC and APyCâ€Dâ€Ala: Formation of [b _{nâ€"1} â€%+2sub>nâ€"1â€%+2sub>nâ€"1â€%+2sub>nâ€"1â€%+2sub>nâ€"1â€%ions. Rapid Communications in Mass Spectrometry, 2012, 26, 2591-2600.	.15. .+ Oŀ	ปล๊€‰+
3401	Mass spectrometry based proteomics, background, status and future needs. Protein and Cell, 2012, 3, 641-647.	11.0	35
3404	MALDI-ToF Mass Spectrometry for Studying Noncovalent Complexes of Biomolecules. Topics in Current Chemistry, 2012, 331, 1-36.	4.0	15
3405	Application of MALDI-TOF-Mass Spectrometry to Proteome Analysis Using Stain-Free Gel Electrophoresis. Topics in Current Chemistry, 2012, 331, 37-54.	4.0	23
3406	Chemical and Biochemical Applications of MALDI TOF-MS Based on Analyzing the Small Organic Compounds. Topics in Current Chemistry, 2012, 331, 165-192.	4.0	18
3407	Determination of Peptide and Protein Disulfide Linkages by MALDI Mass Spectrometry. Topics in Current Chemistry, 2012, 331, 79-116.	4.0	11
3408	Au@SiO2 core–shell nanoparticles for laser desorption/ionization time of flight mass spectrometry. Analyst, The, 2012, 137, 2454.	3. 5	23
3409	Fabrication of Alternating Multilayer Films of Graphene Oxide and Carbon Nanotube and Its Application in Mechanistic Study of Laser Desorption/Ionization of Small Molecules. ACS Applied Materials & Samp; Interfaces, 2012, 4, 2088-2095.	8.0	39
3410	Diamond nanowires for highly sensitive matrix-free mass spectrometry analysis of small molecules. Nanoscale, 2012, 4, 231-238.	5.6	75
3413	Label-free quantification using MALDI mass spectrometry: considerations and perspectives. Analytical and Bioanalytical Chemistry, 2012, 404, 1039-1056.	3.7	21
3414	Global DNA hypomethylation in cancer: review of validated methods and clinical significance. Clinical Chemistry and Laboratory Medicine, 2012, 50, 1733-42.	2.3	85
3415	Wortmannin Treatment Induces Changes in <i>Arabidopsis</i> Root Proteome and Post-Golgi Compartments. Journal of Proteome Research, 2012, 11, 3127-3142.	3.7	48
3416	Methods to Isolate and Identify New Plant Signaling Peptides. Signaling and Communication in Plants, 2012, , 217-239.	0.7	3
3419	Combining MALDI-TOF and molecular imaging with principal component analysis for biomarker discovery and clinical diagnosis of cancer. Genomic Medicine, Biomarkers, and Health Sciences, 2012, 4, 3-6.	0.3	7
3420	History of inductively coupled plasma mass spectrometry-based immunoassays. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 76, 27-39.	2.9	49
3421	A time series approach for clustering mass spectrometry data. Journal of Computational Science, 2012, 3, 344-355.	2.9	31
3422	Investigation of Silicon-Based Nanostructure Morphology and Chemical Termination on Laser Desorption Ionization Mass Spectrometry Performance. Analytical Chemistry, 2012, 84, 10637-10644.	6.5	42
3423	Mass spectrometry-based proteomics: existing capabilities and future directions. Chemical Society Reviews, 2012, 41, 3912.	38.1	351

#	Article	IF	Citations
3426	A novel strategy for phosphopeptide enrichment using lanthanide phosphate co-precipitation. Analytical and Bioanalytical Chemistry, 2012, 404, 853-862.	3.7	28
3427	Analysis of the Cattle Liver Proteome by High-Sensitive Liquid Chromatography Coupled with Mass Spectrometry Method., 2012, 909, 43-62.		4
3436	MALDI–TOF MS for Characterization of Synthetic Polymers in Aqueous Environment. Comprehensive Analytical Chemistry, 2012, 58, 307-338.	1.3	8
3437	Application of ionic liquid matrices in spectral analysis of poly(lactide) - solid state NMRspectroscopyversus matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry. Analytical Methods, 2012, 4, 377-383.	2.7	13
3438	Advances of MALDI-TOF MS in the Analysis of Traditional Chinese Medicines. Topics in Current Chemistry, 2012, 331, 143-164.	4.0	16
3439	Mechanistic Pathway for the Formation of Radial Polystyrenes Using Diacyl Chloride. Macromolecules, 2012, 45, 2675-2681.	4.8	4
3440	Chemical and Ecotoxicological Assessment of Dendrimers in the Aquatic Environment. Comprehensive Analytical Chemistry, 2012, , 197-233.	1.3	9
3441	Update on the Evolving Role of MALDI-TOF MS for Laboratory Diagnosis of Fungal Infections. Current Fungal Infection Reports, 2012, 6, 206-214.	2.6	8
3442	Rapid and highly sensitive protein extractionviacobalt oxidenanoparticle-based liquid–liquid microextraction coupled with MALDI mass spectrometry. Analyst, The, 2012, 137, 890-895.	3.5	22
3443	Biomimic Light Trapping Silicon Nanowire Arrays for Laser Desorption/Ionization of Peptides. Journal of Physical Chemistry C, 2012, 116, 15415-15420.	3.1	25
3445	Plant Signaling Peptides. Signaling and Communication in Plants, 2012, , .	0.7	2
3446	The Handbook of Metabolomics. Methods in Pharmacology and Toxicology, 2012, , .	0.2	22
3448	Surface-assisted laser desorption–ionization mass spectrometry on titanium dioxide (TiO2) nanotube layers. Analyst, The, 2012, 137, 3058.	3.5	41
3449	The essence on mass spectrometry based microbial diagnostics. Current Opinion in Microbiology, 2012, 15, 397-402.	5.1	65
3450	2,3,4,5-Tetrakis(3′,4′-dihydroxylphenyl)thiophene: A New Matrix for the Selective Analysis of Low Molecular Weight Amines and Direct Determination of Creatinine in Urine by MALDI-TOF MS. Analytical Chemistry, 2012, 84, 10291-10297.	6.5	60
3451	Correlation of surface-enhanced Raman spectroscopy and laser desorption-ionization mass spectrometry acquired from silver nanoparticle substrates. Analyst, The, 2012, 137, 1421.	3.5	21
3452	Using Surface-Assisted Laser Desorption/Ionization Mass Spectrometry to Detect Proteins and Protein–Protein Complexes. Analytical Chemistry, 2012, 84, 1924-1930.	6.5	27
3453	High-Speed Mass Measurement of Nanoparticle and Virus. Analytical Chemistry, 2012, 84, 4965-4969.	6.5	10

#	Article	IF	CITATIONS
3456	LC-MS in Drug Bioanalysis. , 2012, , .		5
3457	Sensitive, robust and automated protein analysis of cell differentiation and of primary human blood cells by intact cell MALDI mass spectrometry biotyping. Analytical and Bioanalytical Chemistry, 2012, 404, 2277-2286.	3.7	30
3459	Proteomic Profiling and Protein Identification by MALDI-TOF Mass Spectrometry in Unsequenced Parasitic Nematodes. PLoS ONE, 2012, 7, e33590.	2.5	19
3460	Detection of the Heterogeneous O-Glycosylation Profile of MT1-MMP Expressed in Cancer Cells by a Simple MALDI-MS Method. PLoS ONE, 2012, 7, e43751.	2.5	11
3461	High Resolution Mass Spectrometry Using FTICR and Orbitrap Instruments. , 0, , .		2
3462	Allergenicity of Milk Proteins., 0,,.		6
3463	Influence of Secondary Structure on In-Source Decay of Protein in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Mass Spectrometry, 2012, 1, A0001-A0001.	0.6	12
3465	Flexible Xxx^ ^#8211;Asp/Asn and Gly^ ^#8211;Xxx Residues of Equine Cytochrome c in Matrix-Assisted Laser Desorption/Ionization In-Source Decay Mass Spectrometry. Mass Spectrometry, 2012, 1, A0007-A0007.	0.6	8
3466	Applications of Tandem Mass Spectrometry: From Structural Analysis to Fundamental Studies. , 2012, , .		1
3467	Matrix Effect on In-Source Decay Products of Peptides in Matrix-Assisted Laser Desorption/Ionization. Mass Spectrometry, 2012, 1, A0002-A0002.	0.6	6
3468	Applications of Zymography (Substrate-SDS-PAGE) for Peptidase Screening in a Post-Genomic Era. , 2012, , .		1
3469	Mass spectrometryâ€based proteomics: qualitative identification to activityâ€based protein profiling. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2012, 4, 141-162.	6.6	12
3470	Cancer and viruses: A doubleâ€edged sword. Proteomics, 2012, 12, 2127-2138.	2.2	13
3471	History of protein–protein interactions: From eggâ€white to complex networks. Proteomics, 2012, 12, 1478-1498.	2.2	214
3472	Onâ€ŧarget separation of analyte with 3â€aminoquinoline/αâ€ɛyanoâ€4â€hydroxycinnamic acid liquid matrix for matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2012, 26, 693-700.	1.5	23
3473	Quantitative analysis of pharmaceutical drug distribution in multiple organs by imaging mass spectrometry. Rapid Communications in Mass Spectrometry, 2012, 26, 1549-1556.	1.5	95
3474	Electrospray ionization and matrix-assisted laser desorption/ionization mass spectrometric analysis of extrapolysaccharides of Escherichia coli. Rapid Communications in Mass Spectrometry, 2012, 26, 1609-1616.	1.5	4
3475	Platinum vapor deposition surfaceâ€assisted laser desorption/ionization for imaging mass spectrometry of small molecules. Rapid Communications in Mass Spectrometry, 2012, 26, 1849-1858.	1.5	44

#	Article	IF	CITATIONS
3476	De Novo Sequencing and Homology Searching. Molecular and Cellular Proteomics, 2012, 11, 0111.014902.	3.8	132
3477	Surface Acoustic Wave Nebulization Produces Ions with Lower Internal Energy than Electrospray Ionization. Journal of the American Society for Mass Spectrometry, 2012, 23, 1062-1070.	2.8	53
3478	Matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry analyses of Grubbs catalysts and ferrocene derivatives using sulfur as matrix. Journal of Mass Spectrometry, 2012, 47, 352-354.	1.6	9
3479	Matrixâ€assisted laser ablation production of gold cluster ions from Auâ€coated photonic crystals. Journal of Mass Spectrometry, 2012, 47, 620-626.	1.6	3
3480	Evaluation of different methods of protein extraction and identification of differentially expressed proteins upon ethyleneâ€induced earlyâ€ripening in banana peels. Journal of the Science of Food and Agriculture, 2012, 92, 2106-2115.	3.5	10
3481	Analysis of Fatty Alcohol Ethoxylates Regarding Chain Length and Endgroups by MALDIâ€₹OF MS Using Collisionâ€Induced Dissociation. Macromolecular Chemistry and Physics, 2012, 213, 747-756.	2.2	1
3482	Characterization of proteins by ambient mass spectrometry. Mass Spectrometry Reviews, 2012, 31, 437-447.	5.4	52
3483	Mass spectrometry in the proteome analysis of mature cereal kernels. Mass Spectrometry Reviews, 2012, 31, 448-465.	5.4	35
3484	A Comparative Study of Matrix―and Nanoâ€assisted Laser Desorption/Ionisation Timeâ€ofâ€Flight Mass Spectrometry of Isolated and Synthetic Lignin. Phytochemical Analysis, 2012, 23, 248-253.	2.4	30
3485	Proteome of <i>Aedes aegypti</i> in response to infection and coinfection with microsporidian parasites. Ecology and Evolution, 2012, 2, 681-694.	1.9	19
3486	Ribo-polymerase chain reaction-A facile method for the preparation of chimeric RNA/DNA applied to DNA sequencing. Human Mutation, 2012, 33, 1010-1015.	2.5	3
3489	Laser–nanostructure interactions for ion production. Physical Chemistry Chemical Physics, 2012, 14, 8453.	2.8	97
3490	Direct Molar Mass Determination of Self-Assembled Amphiphilic Block Copolymer Nanoobjects Using Electrospray-Charge Detection Mass Spectrometry. ACS Macro Letters, 2012, 1, 414-417.	4.8	47
3491	Two-dimensional gel electrophoresis in bacterial proteomics. Protein and Cell, 2012, 3, 346-363.	11.0	49
3492	Online Electrospray Ionization Mass Spectrometric Monitoring of Protease-Catalyzed Reactions in Real Time. Journal of the American Society for Mass Spectrometry, 2012, 23, 728-735.	2.8	19
3493	Gold Ion–Angiotensin Peptide Interaction by Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2012, 23, 942-951.	2.8	15
3494	Fragmentation mechanism of product ions from protonated proline-containing tripeptides in electrospray ionization mass spectrometry. Science Bulletin, 2012, 57, 2051-2061.	1.7	4
3495	Direct analysis of biological samples using extractive electrospray ionization mass spectrometry (EESI-MS). Analytical and Bioanalytical Chemistry, 2012, 403, 2145-2153.	3.7	34

#	Article	IF	CITATIONS
3496	Matrix-assisted laser desorption/ionization mass spectrometry peptide sequencing utilizing selective N-terminal bromoacetylation. Analytical Biochemistry, 2012, 423, 269-276.	2.4	1
3497	Finding the right balance – a personal journey from individual proteins to membraneâ€embedded motors. FEBS Journal, 2012, 279, 663-677.	4.7	2
3498	The role of lysine É>-amine group on the macrocyclization of b ions. International Journal of Mass Spectrometry, 2012, 316-318, 84-90.	1.5	8
3499	Gas-phase acidities of lysine homologues and proline analogs from the extended kinetic method. International Journal of Mass Spectrometry, 2012, 316-318, 126-132.	1.5	9
3500	Investigation of peptide size, residue position, neighbor amino acid and side chain effect on macrocyclization of bn (n=5–7) ions. International Journal of Mass Spectrometry, 2012, 316-318, 108-116.	1.5	7
3501	Metal condensates for low-molecular-weight matrix-free laser desorption/ionization. International Journal of Mass Spectrometry, 2012, 315, 22-30.	1.5	10
3502	Atmospheric pressure visible-wavelength MALDI-MS. International Journal of Mass Spectrometry, 2012, 315, 66-73.	1.5	9
3503	Method to isolate and characterize oligomers present in the aqueous phase in emulsion copolymerization. European Polymer Journal, 2012, 48, 296-308.	5.4	17
3504	Proteomics: present and future in fish, shellfish and seafood. Reviews in Aquaculture, 2012, 4, 11-20.	9.0	28
3505	Rapid and direct detection of Invivo kinetics of pathogenic bacterial infection from mouse blood and urine. Journal of Proteomics, 2012, 75, 2972-2982.	2.4	8
3506	Functionalized quantum dots with dopamine dithiocarbamate as the matrix for the quantification of efavirenz in human plasma and as affinity probes for rapid identification of microwave tryptic digested proteins in MALDI-TOF-MS. Journal of Proteomics, 2012, 75, 2924-2933.	2.4	27
3507	MALDI-TOF MS imaging of controlled release implants. Journal of Controlled Release, 2012, 161, 98-108.	9.9	27
3508	Solubility of nicotinic acid in water, ethanol, acetone, diethyl ether, acetonitrile, and dimethyl sulfoxide. Journal of Chemical Thermodynamics, 2012, 47, 362-371.	2.0	54
3509	Towards a taxonomy of <i>Bacteria </i> and <i> Archaea </i> based on interactive and cumulative data repositories. Environmental Microbiology, 2012, 14, 318-334.	3.8	64
3510	A Novel MALDI-MS Approach for the Analysis of Neutral Metallosupramolecular Architectures. European Journal of Inorganic Chemistry, 2012, 2012, 647-654.	2.0	4
3511	Proteomics applied to exercise physiology: A cuttingâ€edge technology. Journal of Cellular Physiology, 2012, 227, 885-898.	4.1	34
3512	Determination of the relative ligandâ€binding strengths in heteroleptic Ir ^{III} complexes by ESIâ€Qâ€TOF tandem mass spectrometry. Journal of Mass Spectrometry, 2012, 47, 34-40.	1.6	7
3513	Tandem mass spectrometry of poly(ethylene imine)s by electrospray ionization (ESI) and matrixâ€assisted laser desorption/ionization (MALDI). Journal of Mass Spectrometry, 2012, 47, 105-114.	1.6	27

#	Article	IF	CITATIONS
3514	Mass spectrometric characterization of phosphorylated peptides using MALDI inâ€source decay via redox reactions. Journal of Mass Spectrometry, 2012, 47, 180-187.	1.6	19
3515	Characterization of polyisobutylene succinic anhydride chemistries using mass spectrometry. Journal of Applied Polymer Science, 2012, 124, 2682-2690.	2.6	3
3516	Influence of Amino Acid Composition and Phosphorylation on the Ion Yields of Peptides in MALDI-MS. Journal of the American Society for Mass Spectrometry, 2012, 23, 108-115.	2.8	11
3517	A preliminary investigation into the venom proteome of Macrovipera lebetina obtusa (Dwigubsky, 1832) from Southeastern Anatolia by MALDI-TOF mass spectrometry and comparison of venom protein profiles with Macrovipera lebetina lebetina (Linnaeus, 1758) from Cyprus by 2D-PAGE. Archives of Toxicology, 2012, 86, 441-451.	4.2	28
3518	Gold nanomaterials as a new tool for bioanalytical applications of laser desorption ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 402, 601-623.	3.7	65
3519	Phosphorylation site localization in peptides by MALDI MS/MS and the Mascot Delta Score. Analytical and Bioanalytical Chemistry, 2012, 402, 249-260.	3.7	23
3520	Applications of Mass Spectrometry in Proteomics. Australian Journal of Chemistry, 2013, 66, 721.	0.9	30
3521	Carbon–Hydrogen Bond Stannylation and Alkylation Catalyzed by Nitrogen-Donor-Supported Nickel Complexes: Intermediates with Ni–Sn Bonds and Catalytic Carbostannylation of Ethylene with Organostannanes. Organometallics, 2013, 32, 4174-4184.	2.3	23
3522	Protonated Dipeptide Losses from b 5 and b 4 Ions of Side Chain Hydroxyl Group Containing Pentapeptides. Journal of the American Society for Mass Spectrometry, 2013, 24, 1543-1554.	2.8	1
3523	Analysis of Biomolecules by Atmospheric Pressure Visible-Wavelength MALDI-Ion Trap-MS in Transmission Geometry. Journal of the American Society for Mass Spectrometry, 2013, 24, 1467-1476.	2.8	10
3524	Using Surface-Assisted Laser Desorption/Ionization Mass Spectrometry to Detect ss- and ds-Oligodeoxynucleotides. Journal of the American Society for Mass Spectrometry, 2013, 24, 877-883.	2.8	5
3525	Gas-Phase Intramolecular Protein Crosslinking via Ion/Ion Reactions: Ubiquitin and a Homobifunctional sulfo-NHS Ester. Journal of the American Society for Mass Spectrometry, 2013, 24, 733-743.	2.8	29
3526	Laserspray and Matrix-Assisted Ionization Inlet Coupled to High-Field FT-ICR Mass Spectrometry for Peptide and Protein Analysis. Journal of the American Society for Mass Spectrometry, 2013, 24, 320-328.	2.8	28
3527	Rapid on-site detection of explosives on surfaces by ambient pressure laser desorption and direct inlet single photon ionization or chemical ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 6979-6993.	3.7	26
3528	Improvements to the compressed-sample (CS) technique for MALDI-TOF mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 1417-1424.	3.7	2
3529	Carbon Nanodots As a Matrix for the Analysis of Low-Molecular-Weight Molecules in Both Positive- and Negative-Ion Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Quantification of Glucose and Uric Acid in Real Samples. Analytical Chemistry, 2013, 85, 6646-6652.	6.5	151
3530	Minimization of Fragmentation and Aggregation by Laser Desorption Laser Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2013, 24, 1116-1122.	2.8	53
3531	An electrospray ms-coupled microfluidic device for sub-second hydrogen/deuterium exchange pulse-labelling reveals allosteric effects in enzyme inhibition. Lab on A Chip, 2013, 13, 2528.	6.0	39

#	Article	IF	CITATIONS
3532	Proteomics and Metabolomics for Mechanistic Insights and Biomarker Discovery in Cardiovascular Disease. Revista Espanola De Cardiologia (English Ed), 2013, 66, 657-661.	0.6	34
3533	Application of mass spectrometry to molecular diagnostics of viral infections. Expert Review of Molecular Diagnostics, 2013, 13, 377-388.	3.1	20
3534	Comparison of ESI, APCI and MALDI for the (tandem) mass analysis of poly(2-ethyl-2-oxazoline)s with various end-groups. European Polymer Journal, 2013, 49, 2172-2185.	5.4	16
3535	Drug Resistance in Leishmania Parasites. , 2013, , .		13
3536	Mass spectrometry imaging with high resolution in mass and space. Histochemistry and Cell Biology, 2013, 139, 759-783.	1.7	294
3538	The ornithine effect in peptide cation dissociation. Journal of Mass Spectrometry, 2013, 48, 856-861.	1.6	29
3539	Redox-Responsive Block Copolymers: Poly(vinylferrocene)-b-poly(lactide) Diblock and Miktoarm Star Polymers and Their Behavior in Solution. Organometallics, 2013, 32, 6033-6039.	2.3	29
3540	Proteomics in Foods., 2013,,.		10
3541	Peptide Radicals and Cation Radicals in the Gas Phase. Chemical Reviews, 2013, 113, 6691-6733.	47.7	191
3542	The use of mass spectrometry in obstetric and gynecology. Open Chemistry, 2013, 11, 645-654.	1.9	0
3543	Synthesis of Highly Water-Dispersible Polydopamine-Modified Multiwalled Carbon Nanotubes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis. ACS Applied Materials & laterfaces, 2013, 5, 7770-7776.	8.0	97
3544	Optimal singleâ€embryo mass spectrometry fingerprinting. Journal of Mass Spectrometry, 2013, 48, 844-849.	1.6	36
3545	Potential of Fourier Transform Mass Spectrometry for High-Throughput Metabolomics Analysis. Advances in Botanical Research, 2013, 67, 219-302.	1.1	6
3546	MALDI imaging mass spectrometry and analysis of endogenous peptides. Expert Review of Proteomics, 2013, 10, 381-388.	3.0	21
3547	Surface-assisted laser desorption-ionization mass spectrometry of oligosaccharides using magnesium oxide nanoparticles as a matrix. Mikrochimica Acta, 2013, 180, 405-413.	5.0	21
3548	Proteomic and scanning electron microscopic analysis of submandibular sialoliths. Clinical Oral Investigations, 2013, 17, 1709-1717.	3.0	9
3549	New ionization processes and applications for use in mass spectrometry. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 409-429.	5.2	31
3550	Vesicular Trafficking and Stress Response Coupled to PI3K Inhibition by LY294002 as Revealed by Proteomic and Cell Biological Analysis. Journal of Proteome Research, 2013, 12, 4435-4448.	3.7	47

#	Article	IF	CITATIONS
3551	Proteomics applied to transfusion plasma: the beginning of the story. Vox Sanguinis, 2013, 104, 275-291.	1.5	3
3553	Top-down characterization of biopharmaceuticals. TrAC - Trends in Analytical Chemistry, 2013, 48, 62-71.	11.4	12
3554	Identification of \hat{l}^2 -amyloid species in canine cerebrospinal fluid by mass spectrometry. Neurobiology of Aging, 2013, 34, 2125-2132.	3.1	11
3555	Chitosan nanomagnets for effective extraction and sensitive mass spectrometric detection of pathogenic bacterial endotoxin from human urine. Journal of Materials Chemistry B, 2013, 1, 2463.	5.8	84
3556	Sample Handling and Mass Spectrometry for Microbial Metaproteomic Analyses. Methods in Enzymology, 2013, 531, 289-303.	1.0	11
3557	Transgenic Soybeans and Soybean Protein Analysis: An Overview. Journal of Agricultural and Food Chemistry, 2013, 61, 11736-11743.	5.2	57
3558	Laser Desorption and Ionization Mass Spectrometry Using PlasmonicSubstrates. , 2013, , 1017-1055.		0
3559	Molecular Biophysics for the Life Sciences. , 2013, , .		2
3560	Experimental methods of molecular matter-wave optics. Reports on Progress in Physics, 2013, 76, 086402.	20.1	50
3561	Imaging Mass Spectrometry in Neuroscience. ACS Chemical Neuroscience, 2013, 4, 666-679.	3.5	83
3562	Applications of MALDI-TOF Spectroscopy. Topics in Current Chemistry, 2013, , .	4.0	5
3563	Characterization of Phosphatidylcholine Oxidation Products by MALDI MS ^{<i>n</i>} . Analytical Chemistry, 2013, 85, 11410-11419.	6.5	16
3564	Nanostructured solid substrates for efficient laser desorption/ionization mass spectrometry (LDI-MS) of low molecular weight compounds. Analyst, The, 2013, 138, 7053.	3.5	73
3565	Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry in Clinical Microbiology. Clinical Infectious Diseases, 2013, 57, 564-572.	5.8	151
3566	MALDI TOF and theoretical investigation of silver clusters obtained by gamma irradiation. Vacuum, 2013, 89, 47-52.	3.5	7
3567	Insights into Desorption Ionization on Silicon (DIOS). Journal of Physical Chemistry C, 2013, 117, 27114-27119.	3.1	19
3568	Targeted lipidomics – advances in profiling lysophosphocholine and plateletâ€activating factor second messengers. FEBS Journal, 2013, 280, 5652-5667.	4.7	38
3569	MALDI-TOF Mass Spectrometry for Microorganism Identification. Clinics in Laboratory Medicine, 2013, 33, 589-609.	1.4	160

#	Article	IF	CITATIONS
3570	Top-Down Mass Spectrometry for ProteinÂMolecular Diagnostics and Biomarker Discovery. , 2013, , 313-332.		1
3571	Proteomic tools for environmental microbiology—A roadmap from sample preparation to protein identification and quantification. Proteomics, 2013, 13, 2700-2730.	2.2	49
3572	4-Phenyl-α-cyanocinnamic Acid Amide: Screening for a Negative Ion Matrix for MALDI-MS Imaging of Multiple Lipid Classes. Analytical Chemistry, 2013, 85, 9156-9163.	6.5	62
3573	Comparison of NIMS and MALDI platforms for neuropeptide and lipid mass spectrometric imaging in C. borealis brain tissue. Analytical Methods, 2013, 5, 1623.	2.7	23
3575	N-phosphorylation labeling for analysis of twenty natural amino acids and small peptides by using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analyst, The, 2013, 138, 2632.	3.5	27
3576	Characterization of immunoglobulin by mass spectrometry with applications for the clinical laboratory. Critical Reviews in Clinical Laboratory Sciences, 2013, 50, 91-102.	6.1	16
3577	Peptide-tight ESI/MSn analysis with segment of liquid chromatography effluent. Analytical Methods, 2013, 5, 3371.	2.7	2
3578	Lipid profiling of follicular fluid from women undergoing IVF: Young poor ovarian responders versus normal responders. Human Fertility, 2013, 16, 269-277.	1.7	30
3579	Proteomics Applied to Avian Herpesviruses. Avian Diseases, 2013, 57, 351-359.	1.0	5
3580	Differentiation of Linear and Cyclic Polymer Architectures by MALDI Tandem Mass Spectrometry (MALDI-MS ²). Journal of the American Society for Mass Spectrometry, 2013, 24, 74-82.	2.8	38
3581	Infrared Matrix-Assisted Laser Desorption Electrospray Ionization (IR-MALDESI) Imaging Source Coupled to a FT-ICR Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2013, 24, 92-100.	2.8	106
3582	Introduction to Glycosylation and Mass Spectrometry. Methods in Molecular Biology, 2013, 951, 1-17.	0.9	16
3583	Mass spectrometry and tandem mass spectrometry characterization of protein patterns, protein markers and whole proteomes for pathogenic bacteria. Journal of Microbiological Methods, 2013, 92, 381-386.	1.6	23
3584	Imaging Nicotine in Rat Brain Tissue by Use of Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2013, 85, 882-889.	6.5	108
3585	Unraveling the Mechanism of Electrospray Ionization. Analytical Chemistry, 2013, 85, 2-9.	6.5	485
3586	Mass Spectrometric Evaluation of Neuropeptidomic Profiles upon Heat Stabilization Treatment of Neuroendocrine Tissues in Crustaceans. Journal of Proteome Research, 2013, 12, 743-752.	3.7	24
3587	Glyconanotechnology. Chemical Society Reviews, 2013, 42, 4358.	38.1	122
3588	Advantages of pyrene derivatization to site-specific glycosylation analysis on MALDI mass spectrometry. International Journal of Mass Spectrometry, 2013, 333, 8-14.	1.5	8

#	Article	IF	CITATIONS
3589	Redox Proteomics: Chemical Principles, Methodological Approaches and Biological/Biomedical Promises. Chemical Reviews, 2013, 113, 596-698.	47.7	222
3590	Characterization of Therapeutic Antibodies and Related Products. Analytical Chemistry, 2013, 85, 715-736.	6.5	509
3591	MALDI imaging in human skin tissue sections: focus on various matrices and enzymes. Analytical and Bioanalytical Chemistry, 2013, 405, 1159-1170.	3.7	29
3592	Bacterial identification: from the agar plate to the mass spectrometer. RSC Advances, 2013, 3, 994-1008.	3.6	54
3593	High Resolution Quantitative Proteomics of HeLa Cells Protein Species Using Stable Isotope Labeling with Amino Acids in Cell Culture(SILAC), Two-Dimensional Gel Electrophoresis(2DE) and Nano-Liquid Chromatograpohy Coupled to an LTQ-OrbitrapMass Spectrometer. Molecular and Cellular Proteomics, 2013, 12, 529-538.	3.8	101
3594	Analysis of Tissue Specimens by Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry in Biological and Clinical Research. Chemical Reviews, 2013, 113, 2309-2342.	47.7	585
3595	Direct analysis of samples under ambient condition by highâ€voltageâ€assisted laser desorption ionization mass spectrometry in both positive and negative ion mode. Rapid Communications in Mass Spectrometry, 2013, 27, 613-620.	1.5	13
3596	Application of electrospray ionization product ion spectra for identification with atmospheric pressure matrix $\hat{a} \in a$ ssisted laser desorption/ionization mass spectrometry $\hat{a} \in a$ case study with seized drugs. Drug Testing and Analysis, 2013, 5, 68-73.	2.6	3
3597	A rapid and simple separation and direct detection of glutathione by gold nanoparticles and grapheneâ€based <scp>MALDI</scp> â€" <scp>TOFâ€MS</scp> . Journal of Separation Science, 2013, 36, 629-635		26
3599	5â€Aminoâ€1â€naphthol, a novel 1,5â€naphthalene derivative matrix suitable for matrixâ€assisted laser desorption/ionization inâ€source decay of phosphorylated peptides. Rapid Communications in Mass Spectrometry, 2013, 27, 103-108.	1.5	19
3600	2D gels still have a niche in proteomics. Journal of Proteomics, 2013, 88, 4-13.	2.4	154
3601	Advances in ion mobility spectrometry–mass spectrometry reveal key insights into amyloid assembly. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1257-1268.	2.3	76
3602	Surface modified BaTiO3 nanoparticles as the matrix for phospholipids and as extracting probes for LLME of hydrophobic proteins in Escherichia coli by MALDI–MS. Talanta, 2013, 114, 283-290.	5.5	43
3603	Fructooligosaccharides and fructans analysis in plants and food crops. Journal of Chromatography A, 2013, 1313, 54-61.	3.7	68
3604	High mass resolution tissue imaging at atmospheric pressure using laserspray ionization mass spectrometry. International Journal of Mass Spectrometry, 2013, 352, 65-69.	1.5	21
3606	Fluorophore-assisted laser desorption/ionization-mass spectrometry (FALDI-MS). International Journal of Mass Spectrometry, 2013, 353, 54-59.	1.5	7
3607	Factors stabilizing the gas-phase ionic species of crystals of organic salts – Experimental and theoretical study. Journal of Molecular Structure, 2013, 1036, 226-234.	3.6	3
3608	Monitoring CHO cell cultures: Cell stress and early apoptosis assessment by mass spectrometry. Journal of Biotechnology, 2013, 168, 452-461.	3.8	16

#	ARTICLE	IF	CITATIONS
3609	Coffee-ring effects in laser desorption/ionization mass spectrometry. Analytica Chimica Acta, 2013, 766, 77-82.	5.4	59
3610	Biological and methodical challenges of blood-based proteomics in the field of neurological research. Progress in Neurobiology, 2013, 101-102, 18-34.	5.7	43
3611	The effect of salt on the conformations of three model proteins is revealed by variable temperature ion mobility mass spectrometry. International Journal of Mass Spectrometry, 2013, 345-347, 8-18.	1.5	23
3612	The fate of b-ions in the two worlds of collision-induced dissociation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2843-2848.	2.3	14
3613	Proteomics as a tool to understand the complexity of beer. Food Research International, 2013, 54, 1001-1012.	6.2	45
3614	Polydopamine-Coated Magnetic Nanoparticles for Enrichment and Direct Detection of Small Molecule Pollutants Coupled with MALDI-TOF-MS. ACS Applied Materials & Interfaces, 2013, 5, 1024-1030.	8.0	130
3615	Fast Surface Acoustic Wave-Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Cell Response from Islets of Langerhans. Analytical Chemistry, 2013, 85, 2623-2629.	6.5	16
3616	Ionic matrices pre-spotted matrix-assisted laser desorption/ionization plates for patient maker following in course of treatment, drug titration, and MALDI mass spectrometry imaging. Analytical Biochemistry, 2013, 434, 187-198.	2.4	20
3617	Laser desorption/ionization mediated by bionanostructures from microalgae. Rapid Communications in Mass Spectrometry, 2013, 27, 109-116.	1.5	12
3618	Matrix-free laser desorption–ionization with silver nanoparticle-enhanced steel targets. International Journal of Mass Spectrometry, 2013, 335, 22-32.	1.5	65
3619	Comparative study of laser induced breakdown spectroscopy and mass spectrometry for the analysis of cultural heritage materials. Journal of Molecular Structure, 2013, 1044, 160-166.	3.6	12
3620	Suitability of GaP nanoparticles as a surface-assisted laser desorption/ionization mass spectroscopy inorganic matrix and their soft ionization ability. Analyst, The, 2013, 138, 995.	3.5	9
3621	Gas-phase basicity: Parameter determining the efficiency of laser desorption/ionization from silicon surfaces. Journal of Analytical Chemistry, 2013, 68, 19-26.	0.9	20
3622	Proteomic Analysis of Cellular Systems. , 2013, , 3-25.		15
3631	Massenspektrometer., 2013, , 129-244.		0
3632	Matrix-unterstýtzte Laserdesorption/Ionisation. , 2013, , 545-600.		0
3633	Mass and Charge Distribution Analysis in Negative Electrosprays of Large Polyethylene Glycol Chains by Ion Mobility Mass Spectrometry. Analytical Chemistry, 2013, 85, 2710-2716.	6.5	29
3634	Synthesis and application of ionic liquid matrices (ILMs) for effective pathogenic bacteria analysis in matrix assisted laser desorption/ionization (MALDI-MS). Analytica Chimica Acta, 2013, 767, 104-111.	5.4	55

#	Article	IF	CITATIONS
3635	Advances in ultrasensitive mass spectrometry of organic molecules. Chemical Society Reviews, 2013, 42, 5299.	38.1	61
3636	Quantitation of Proteins in Milk and Milk Products. , 2013, , 87-134.		12
3637	Probing higher order multimers of pyruvate kinase with charge detection mass spectrometry. International Journal of Mass Spectrometry, 2013, 337, 50-56.	1.5	41
3638	Mass-Linked Immuno-Selective Assays in Targeted Proteomics. Analytical Chemistry, 2013, 85, 737-748.	6.5	31
3639	Chemical Aspects of the Extractive Methods of Ambient Ionization Mass Spectrometry. Annual Review of Physical Chemistry, 2013, 64, 481-505.	10.8	107
3640	Bioanalysis of Eukaryotic Organelles. Chemical Reviews, 2013, 113, 2733-2811.	47.7	110
3641	Phosphoproteomics—More than meets the eye. Electrophoresis, 2013, 34, 1483-1492.	2.4	32
3642	Discovery and Characterization of Proteinâ€Modifying Natural Products by MALDI Mass Spectrometry Reveal Potent SIRT1 and p300 Inhibitors. Angewandte Chemie - International Edition, 2013, 52, 5171-5174.	13.8	7
3643	Polymer analysis by supercritical fluid chromatography. Journal of Bioscience and Bioengineering, 2013, 116, 133-140.	2.2	29
3644	<scp>MALDI</scp> imaging of postâ€mortem human spinal cord in amyotrophic lateral sclerosis. Journal of Neurochemistry, 2013, 124, 695-707.	3.9	50
3645	Emergence of whole-cell MALDI-MS biotyping for high-throughput bioanalysis of mammalian cells?. Bioanalysis, 2013, 5, 885-893.	1.5	25
3646	Degrees of freedom effect on fragmentation in tandem mass spectrometry of singly charged supramolecular aggregates of sodium sulfonates. Journal of Mass Spectrometry, 2013, 48, 379-383.	1.6	17
3647	History of mass measurements in time-of-flight mass analyzers. International Journal of Mass Spectrometry, 2013, 349-350, 38-46.	1.5	25
3648	Binomial Probability Distribution Model-Based Protein Identification Algorithm for Tandem Mass Spectrometry Utilizing Peak Intensity Information. Journal of Proteome Research, 2013, 12, 328-335.	3.7	14
3649	Surface analysis of lipids by mass spectrometry: More than just imaging. Progress in Lipid Research, 2013, 52, 329-353.	11.6	95
3650	Proteomics and NF-κB: an update. Expert Review of Proteomics, 2013, 10, 189-204.	3.0	20
3651	Use of graphene as a matrix to minimize reduction in the process of matrixâ€assisted laser desorption/ionization. Rapid Communications in Mass Spectrometry, 2013, 27, 1278-1282.	1.5	7
3652	Immunocapture couples with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for rapid detection of type 1 dengue virus. Journal of Chromatography A, 2013, 1288, 21-27.	3.7	14

#	Article	IF	CITATIONS
3653	High Energy Collisions on Tandem Time-of-Flight Mass Spectrometers. Journal of the American Society for Mass Spectrometry, 2013, 24, 657-674.	2.8	14
3654	First screening of <i><scp>A</scp>edes albopictus</i> immunogenic salivary proteins. Insect Molecular Biology, 2013, 22, 411-423.	2.0	21
3655	Sol–Gel-Derived Silver-Nanoparticle-Embedded Thin Film for Mass Spectrometry-Based Biosensing. Langmuir, 2013, 29, 6502-6507.	3.5	35
3656	End-Group Cleavage in MALDI of ATRP-Made Polystyrene: A Silver-Catalyzed Reaction during Sample Preparation. Analytical Chemistry, 2013, 85, 5454-5462.	6.5	10
3657	Reversible Activity Modulation of Surface-Attached Grubbs Second Generation Type Catalysts Using Redox-Responsive Polymers. Macromolecules, 2013, 46, 4255-4267.	4.8	54
3658	Cancer biomarkers and mass spectrometry-based analyses of phospholipids in body fluids. Clinical Lipidology, 2013, 8, 137-150.	0.4	25
3659	Coupling Isoelectric Focusing Gel Electrophoresis to Mass Spectrometry by Electrostatic Spray Ionization. Analytical Chemistry, 2013, 85, 4745-4752.	6.5	16
3660	Genetic Expression and Drug Resistance, the Role of Proteomics. , 2013, , 215-236.		1
3661	Desorption/Ionization Efficiency of Common Amino Acids in Surface-Assisted Laser Desorption/Ionization Mass Spectrometry (SALDI-MS) with Nanostructured Platinum. Journal of Physical Chemistry C, 2013, 117, 238-245.	3.1	46
3662	Furoic and mefenamic acids as new matrices for matrix assisted laser desorption/ionization-(MALDI)-mass spectrometry. Talanta, 2013, 115, 442-450.	5.5	51
3663	Performance of the Vitek MS matrix-assisted laser desorption ionization time-of-flight mass spectrometry system for identification of Gram-positive cocci routinely isolated in clinical microbiology laboratories. Journal of Medical Microbiology, 2013, 62, 1301-1306.	1.8	33
3664	Matrix Assisted Ionization in Vacuum, a Sensitive and Widely Applicable Ionization Method for Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2013, 24, 722-732.	2.8	87
3665	Post-Translationally Modified Proteins: Glycosylation and Disulfide Bond Formation. , 2013, , 117-162.		1
3666	Introduction to Mass Spectrometry-Based Proteomics. Methods in Molecular Biology, 2013, 1007, 1-45.	0.9	26
3667	Mass spectrometry methods for intrinsically disordered proteins. Analyst, The, 2013, 138, 32-42.	3.5	76
3668	MALDI: A Very Useful UV Light-Induced Process† That Still Remains Quite Obscure. , 2013, , 173-197.		1
3669	An Update on CSF Biomarkers of Parkinson's Disease. Advances in Predictive, Preventive and Personalised Medicine, 2013, , 161-184.	0.6	5
3670	Digital Microfluidics: An Emerging Sample Preparation Platform for Mass Spectrometry. Analytical Chemistry, 2013, 85, 6178-6184.	6.5	64

#	ARTICLE	IF	Citations
3671	Mass Spectrometry Data Analysis in Proteomics. Methods in Molecular Biology, 2013, , .	0.9	11
3672	Soft ionization mass spectroscopy: Insights into the polymerization mechanism. Journal of Polymer Science Part A, 2013, 51, 1475-1505.	2.3	25
3673	Mass Spectrometric Characterization in Protein Therapeutics Discovery., 2013,, 163-205.		2
3674	Mass spectrometry for the analysis of protein lactosylation in milk products. Food Research International, 2013, 54, 988-1000.	6.2	55
3675	Fluorescence, Circular Dichroism and Mass Spectrometry as Tools to Study Virus Structure. Sub-Cellular Biochemistry, 2013, 68, 177-202.	2.4	7
3676	Connexin multi-site phosphorylation: Mass spectrometry-based proteomics fills the gap. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 23-34.	2.6	30
3677	A novel sampling method for identification of endogenous skin surface compounds by use of DART-MS and MALDI-MS. Talanta, 2013, 103, 398-402.	5.5	20
3678	A Modified Database Search Strategy Leads to Improved Identification of in Vitro Brominated Peptides Spiked into a Complex Proteomic Sample. Journal of Proteome Research, 2013, 12, 4248-4254.	3.7	4
3679	Phonon-Assisted Field Emission in Silicon Nanomembranes for Time-of-Flight Mass Spectrometry of Proteins. Nano Letters, 2013, 13, 2698-2703.	9.1	25
3680	Metabolic Footprinting of Mutant Libraries to Map Metabolite Utilization to Genotype. ACS Chemical Biology, 2013, 8, 189-199.	3.4	34
3681	Why do the Abundances of Ions Generated by MALDI Look Thermally Determined?. Journal of the American Society for Mass Spectrometry, 2013, 24, 1807-1815.	2.8	14
3682	Charge State of Lysozyme Molecules in the Gas Phase Produced by IR-Laser Ablation of Droplet Beam. Journal of Physical Chemistry A, 2013, 117, 9-14.	2.5	14
3683	Alkylated Trihydroxyacetophenone as a MALDI Matrix for Hydrophobic Peptides. Analytical Chemistry, 2013, 85, 9444-9448.	6.5	19
3685	Silver Cation Affinities of Monomeric Building Blocks of Polyethers and Polyphenols Determined by Guided Ion Beam Tandem Mass Spectrometry. Journal of Physical Chemistry A, 2013, 117, 8274-8284.	2.5	6
3686	MALDI-TOF Mass Spectrometry-Based Microbial Identification. , 2013, , 187-207.		1
3687	MALDI-TOF MS analysis of the extracellular polysaccharides released by the diatom Thalassiosira pseudonana. Journal of Applied Phycology, 2013, 25, 477-484.	2.8	9
3688	Defining the Core Proteome of the Chloroplast Envelope Membranes. Frontiers in Plant Science, 2013, 4, 11.	3.6	75
3689	A Silicon Nanomembrane Detector for Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry (MALDI-TOF MS) of Large Proteins. Sensors, 2013, 13, 13708-13716.	3.8	8

#	Article	IF	CITATIONS
3690	Secondary Bacterial Infections of Buruli Ulcer Lesions Before and After Chemotherapy with Streptomycin and Rifampicin. PLoS Neglected Tropical Diseases, 2013, 7, e2191.	3.0	48
3691	Tear Fluid Protein Biomarkers. Advances in Clinical Chemistry, 2013, 62, 151-196.	3.7	41
3692	Advances in genomics and proteomics-based methods for the study of foodborne bacterial pathogens. , 2013, , 462-497.		1
3693	Peptide backbone fragmentation initiated by sideâ€chain loss at cysteine residue in matrixâ€assisted laser desorption/ionization inâ€source decay mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 352-360.	1.6	21
3694	Integration of Proteomics, Bioinformatics, and Systems Biology in Traumatic Brain Injury Biomarker Discovery. Frontiers in Neurology, 2013, 4, 61.	2.4	40
3695	On the future of massâ€spectrometryâ€based lipidomics. FEBS Journal, 2013, 280, 2817-2829.	4.7	57
3696	ESI, APCI, and MALDI tandem mass spectrometry of poly(methyl acrylate)s: A comparison study for the structural characterization of polymers synthesized via CRP techniques and the software application to analyze MS/MS data. Journal of Polymer Science Part A, 2013, 51, 1595-1605.	2.3	22
3697	Back to the future-The value of single protein species investigations. Proteomics, 2013, 13, 3103-3105.	2.2	8
3699	Visualizing the proteome: mapping protein changes in disease states with mass spectrometry imaging. Journal of Neurochemistry, 2013, 124, 581-583.	3.9	3
3700	Visualization and targeted disruption of protein interactions in living cells. Nature Communications, 2013, 4, 2660.	12.8	140
3701	An improved sample preparation method for the sensitive detection of peptides by MALDIâ€MS. Journal of Mass Spectrometry, 2013, 48, 1217-1223.	1.6	5
3702	Recent technological developments in proteomics shed new light on translational research on diabetic microangiopathy. FEBS Journal, 2013, 280, 5668-5681.	4.7	13
3703	Novel insights into protein misfolding diseases revealed by ion mobilityâ€mass spectrometry. Mass Spectrometry Reviews, 2013, 32, 169-187.	5.4	38
3704	Azahelicene Superbases as MAILD Matrices for Acidic Analytes. ChemPlusChem, 2013, 78, 937-942.	2.8	17
3705	Quantitative imaging of a therapeutic peptide in biological tissue sections by MALDI MS. Bioanalysis, 2013, 5, 603-612.	1.5	30
3706	Matrix-Assisted Laser Desorption/Ionization Matrices for Negative Mode Metabolomics. European Journal of Mass Spectrometry, 2013, 19, 39-47.	1.0	12
3707	A Thiophene-Containing Compound as a Matrix for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry and the Electrical Conductivity of Matrix Crystals. European Journal of Mass Spectrometry, 2013, 19, 29-37.	1.0	3
3708	Matrix-assisted Laser Desorption/Ionization Time of Flight (MALDI-TOF) Mass Spectrometric Analysis of Intact Proteins Larger than 100 kDa. Journal of Visualized Experiments, 2013, , .	0.3	41

#	ARTICLE	IF	Citations
3710	Liquid APâ€UVâ€MALDI Enables Stable Ion Yields of Multiply Charged Peptide and Protein Ions for Sensitive Analysis by Mass Spectrometry. Angewandte Chemie - International Edition, 2013, 52, 2364-2367.	13.8	63
3712	Radioâ€Frequency Ionization of Organic Compounds for Mass Spectrometry Analysis. Angewandte Chemie - International Edition, 2013, 52, 2426-2429.	13.8	6
3713	Quantification of the ionization probability during desorption/ionization of oligopeptides induced by neutral cluster impact. Rapid Communications in Mass Spectrometry, 2013, 27, 1090-1094.	1.5	18
3718	The Role of Mass Spectrometry in the "Omics―Era. Current Organic Chemistry, 2013, 17, 2891-2905.	1.6	72
3719	Application of MALDI-TOF MS for the Identification of Food Borne Bacteria. Open Microbiology Journal, 2013, 7, 135-141.	0.7	113
3720	5-Nitrosalicylic Acid as a Novel Matrix for In-Source Decay in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Mass Spectrometry, 2013, 2, A0019-A0019.	0.6	7
3721	Coupling Mass Spectrometry-Based ″Omic″ Sciences with Bioguided Processing to Unravel Milk′s Hidden Bioactivities. Journal of Advances in Dairy Research, 2013, 01, 104.	0.5	3
3722	Dispec: A Novel Peptide Scoring Algorithm Based on Peptide Matching Discriminability. PLoS ONE, 2013, 8, e62724.	2.5	7
3723	Comparative and Quantitative Global Proteomics Approaches: An Overview. Proteomes, 2013, 1, 180-218.	3.5	55
3724	<i>Candida</i> Infections and Their Prevention. ISRN Preventive Medicine, 2013, 2013, 1-13.	1.7	36
3725	Proteomics and Metabolomics in Aortic Stenosis: Studying Healthy Valves for a Better Understanding of the Disease. , 2013, , .		0
3726	Through a Glass Darkly: Glimpses into the Future of Mass Spectrometry. Mass Spectrometry, 2013, 2, S0001-S0001.	0.6	5
3727	Mass Spectrometry Analysis for Nitration of Proteins. Hanyang Medical Reviews, 2013, 33, 110.	0.4	1
3728	Separation of Isobaric Compounds Using a Spiral Orbit Type Time-of-Flight Mass Spectrometer, MALDI-SpiralTOF. Mass Spectrometry, 2014, 3, S0027-S0027.	0.6	8
3729	Advances in Nanomaterial-Based Microwaves and Infrared Wave-Assisted Tryptic Digestion for Ultrafast Proteolysis and Rapid Detection by MALDI-MS. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 68-79.	1.1	7
3730	Comparative Proteomics and Expression Analysis of Five Genes in Epicauta chinensis Larvae from the First to Fifth Instar. PLoS ONE, 2014, 9, e89607.	2.5	5
3731	Trypanosoma cruzi: Gene Expression Surveyed by Proteomic Analysis Reveals Interaction between Different Genotypes in Mixed In Vitro Cultures. PLoS ONE, 2014, 9, e95442.	2.5	8
3732	Advances in Proteomic Technologies and Its Contribution to the Field of Cancer. Advances in Medicine, 2014, 2014, 1-25.	0.8	31

#	Article	IF	CITATIONS
3733	Characterization Techniques for Polymeric Materials. , 2014, , .		1
3734	Quantification of Small Molecule Drugs in Biological Tissue Sections by Imaging Mass Spectrometry Using Surrogate Tissue-Based Calibration Standards. Mass Spectrometry, 2014, 3, A0025-A0025.	0.6	49
3735	Triterpenoid Saponins. Natural Products Chemistry & Research, 2014, 2, .	0.2	5
3740	Functional Microgels Assisted Tryptic Digestion and Quantification of Cytochrome <i>c</i> Through Internal Standard Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2014, 25, 1944-1952.	2.8	2
3741	Development of a time-of-flight mass spectrometer combined with an ion-attachment method for multicomponent gas analysis. Japanese Journal of Applied Physics, 2014, 53, 106602.	1.5	2
3743	Challenges and recent advances in mass spectrometric imaging of neurotransmitters. Bioanalysis, 2014, 6, 525-540.	1.5	40
3744	Bacterial Identification by Mass Spectrometry. NATO Science for Peace and Security Series A: Chemistry and Biology, 2014, , 115-131.	0.5	2
3745	Proteomics Techniques for the Detection of Translated Pseudogenes. Methods in Molecular Biology, 2014, 1167, 187-195.	0.9	6
3746	Proteomics for Breast Cancer Urine Biomarkers. Advances in Clinical Chemistry, 2014, 63, 123-167.	3.7	30
3747	MS-Based Lipidomics. Comprehensive Analytical Chemistry, 2014, 64, 375-393.	1.3	0
3749	Direct Analysis of hCGÎ ² cf Glycosylation in Normal and Aberrant Pregnancy by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. International Journal of Molecular Sciences, 2014, 15, 10067-10082.	4.1	12
3750	Continuous Flow Atmospheric Pressure Laser Desorption/Ionization Using a 6–7-µm-Band Mid-Infrared Tunable Laser for Biomolecular Mass Spectrometry. International Journal of Molecular Sciences, 2014, 15, 10821-10834.	4.1	6
3751	Determination of oxidative protein modifications using mass spectrometry. Redox Report, 2014, 19, 140-147.	4.5	11
3752	Recent Advances in Bacteria Identification by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Using Nanomaterials as Affinity Probes. International Journal of Molecular Sciences, 2014, 15, 7266-7280.	4.1	15
3753	Assessing the performance of different sample targets for a MALDI-TOF mass spectrometer. , 2014, , .		0
3754	Fluorescence spectroscopy of UV-MALDI matrices and implications of ionization mechanisms. Journal of Chemical Physics, 2014, 141, 164307.	3.0	13
3755	MALDI-TOF Mass Spectrometry Applied to Classification and Identification of Bacteria. Methods in Microbiology, 2014, , 275-306.	0.8	56
3756	Proteomics Advances in the Study of Leishmania Parasites and Leishmaniasis. Sub-Cellular Biochemistry, 2014, 74, 323-349.	2.4	18

#	Article	IF	CITATIONS
3757	Does decarboxylation make 2,5-dihydroxybenzoic acid special in matrix-assisted laser desorption/ionization?. Rapid Communications in Mass Spectrometry, 2014, 28, 1082-1088.	1.5	10
3758	Combining Ion Mobility Spectrometry with Hydrogen-Deuterium Exchange and Top-Down MS for Peptide Ion Structure Analysis. Journal of the American Society for Mass Spectrometry, 2014, 25, 2103-2115.	2.8	39
3759	Effective methods for the measurement of CsI cluster ions using MALDI-MS with suitable solvent combinations and additives. Journal of Mass Spectrometry, 2014, 49, 1199-1202.	1.6	7
3761	Proteomics as a new paradigm to tackle Parkinson's disease research challenges. Translational Proteomics, 2014, 4-5, 1-17.	1.2	11
3762	Structural and end-group analysis of synthetic acrylate co-polymers by matrix-assisted laser desorption time-of-flight mass spectrometry: Distribution of pendant carboxyl groups. Polymer Testing, 2014, 40, 273-279.	4.8	7
3763	Enhanced signal intensity in matrixâ€free laser desorption ionization mass spectrometry by chemical modification of bionanostructures from diatom cell walls. Rapid Communications in Mass Spectrometry, 2014, 28, 1521-1529.	1.5	2
3764	Nylon nanoweb with TiO ₂ nanoparticles as a solid matrix for matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 2427-2436.	1.5	17
3765	The unexpected formation of [M â^' H] ⁺ species during MALDI and dopant-free APPI MS analysis of novel antineoplastic curcumin analogues. Journal of Mass Spectrometry, 2014, 49, 1139-1147.	1.6	16
3766	Fifteen years of physiological proteo(geno)mics with (marine) environmental bacteria. Archives of Physiology and Biochemistry, 2014, 120, 173-187.	2.1	9
3767	Genomics and Proteomics for Clinical Discovery and Development. Translational Bioinformatics, 2014,	0.0	3
3768	High resolution mass spectrometry based techniques at the crossroads of metabolic pathways. Mass Spectrometry Reviews, 2014, 33, 471-500.	5.4	139
3769	A comprehensive high-resolution mass spectrometry approach for characterization of metabolites by combination of ambient ionization, chromatography and imaging methods. Rapid Communications in Mass Spectrometry, 2014, 28, 1779-1791.	1.5	27
3770	Matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry of small volatile molecules using a paryleneâ€matrix chip. Rapid Communications in Mass Spectrometry, 2014, 28, 2301-2306.	1.5	10
3771	Dual track timeâ€ofâ€flight mass spectrometry for peptide quantification with matrixâ€assisted laser desorption/ionization. Rapid Communications in Mass Spectrometry, 2014, 28, 787-792.	1.5	4
3772	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometric imaging of synthetic polymer sample spots prepared using ionic liquid matrices. Rapid Communications in Mass Spectrometry, 2014, 28, 489-498.	1.5	27
3773	Influence of hydrophobicity on positive―and negative―on yields of peptides in electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 2222-2226.	1.5	13
3774	Ambient Femtosecond Laser Vaporization and Nanosecond Laser Desorption Electrospray Ionization Mass Spectrometry. Annual Review of Analytical Chemistry, 2014, 7, 229-256.	5.4	26
3775	Is energy pooling necessary in ultraviolet matrixâ€essisted laser desorption/ionization?. Rapid Communications in Mass Spectrometry, 2014, 28, 77-82.	1.5	18

#	Article	IF	CITATIONS
3776	Pr \tilde{A} paration von Kohlen f $\tilde{A}\frac{1}{4}$ r die Negativ-Ionen-Laserdesorptions-Ionisations-Massenspektrometrie. Chemie-Ingenieur-Technik, 2014, 86, 1812-1817.	0.8	0
3777	Adding methanol to $\langle i \rangle \hat{l} \pm \langle j \rangle$ -cyano-4-hydroxycinnamic acid butylamine salt as a liquid matrix to form a homogeneous spot on a focusing plate for highly sensitive and reproducible analyses in matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry. 2014. 28. 662-664.	1.5	6
3778	Atmospheric pressure imaging mass spectrometry of drugs with various ablating lasers. Journal of Physics: Conference Series, 2014, 558, 012012.	0.4	4
3779	Trans-Golgi network localized small GTPase RabA1d is involved in cell plate formation and oscillatory root hair growth. BMC Plant Biology, 2014, 14, 252.	3.6	52
3780	Application of Proteomics in Diagnosis of ADHD, Schizophrenia, Major Depression, and Suicidal Behavior. Advances in Protein Chemistry and Structural Biology, 2014, 95, 283-315.	2.3	7
3781	IDENTIFICATION METHODS Identification of Clinical Microorganisms with MALDI-TOF-MS in a Microbiology Laboratory. , 2014, , 326-335.		1
3782	Glycosylation analysis of Chinese hamster ovary produced glycoproteins. Pharmaceutical Bioprocessing, 2014, 2, 449-468.	0.8	5
3783	Cryogenic Methods for the Spectroscopy of Large, Biomolecular Ions. Topics in Current Chemistry, 2014, 364, 43-97.	4.0	47
3784	Comparative proteomic analysis of extracellular matrix proteins secreted by hypertrophic scar with normal skin fibroblasts. Burns and Trauma, 2014, 2, 76.	0.7	20
3785	Principles of Analytical Chemistry for Toxicology. , 2014, , 321-357.		1
3786	MALDI-TOF and 13C NMR Analysis of Tannin–Furanic–Polyurethane Foams Adapted for Industrial Continuous Lines Application. Polymers, 2014, 6, 2985-3004.	4.5	47
3787	O-GlcNAc profiling: from proteins to proteomes. Clinical Proteomics, 2014, 11, 8.	2.1	235
3788	Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry: New Technology for Vascular Pathology. Journal of Vascular Research, 2014, 51, 144-148.	1.4	15
3789	Some Mechanistic Aspects on Fmoc Solid Phase Peptide Synthesis. International Journal of Peptide Research and Therapeutics, 2014, 20, 53-69.	1.9	22
3790	UPLC–MSE application in disease biomarker discovery: The discoveries in proteomics to metabolomics. Chemico-Biological Interactions, 2014, 215, 7-16.	4.0	125
3791	Structural characterization of silicone polymers using compositional ultra-high performance liquid chromatography separation, electrospray ionization, and high resolution/accurate mass. Analytica Chimica Acta, 2014, 808, 231-239.	5.4	6
3792	Novel developments in the multidimensional characterization of segmented copolymers. Progress in Polymer Science, 2014, 39, 87-123.	24.7	50
3793	lonic desorption in PMMA–gamma-Fe2O3 hybrid materials induced by fast electrons: An experimental and theoretical investigation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 276-283.	3.9	16

#	Article	IF	CITATIONS
3794	Integrative Biological Analysis For Neuropsychopharmacology. Neuropsychopharmacology, 2014, 39, 5-23.	5.4	17
3795	MALDI mass spectrometry in prostate cancer biomarker discovery. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 940-949.	2.3	32
3796	Illuminate Proteins and Peptides by Elemental Tag for HPLC-ICP-MS Detection. Applied Spectroscopy Reviews, 2014, 49, 492-512.	6.7	15
3797	Top Down proteomics: Facts and perspectives. Biochemical and Biophysical Research Communications, 2014, 445, 683-693.	2.1	393
3798	Recent developments in nanoparticle-based MALDI mass spectrometric analysis of phosphoproteomes. Mikrochimica Acta, 2014, 181, 853-864.	5.0	34
3799	2D-DIGE proteome analysis on the platelet proteins of patients with major depression. Proteome Science, 2014, 12, 1.	1.7	48
3800	Modern chromatographic and mass spectrometric techniques for protein biopharmaceutical characterization. Journal of Chromatography A, 2014, 1335, 81-103.	3.7	125
3801	Strategies for coupling solid-phase microextraction with mass spectrometry. TrAC - Trends in Analytical Chemistry, 2014, 55, 55-67.	11.4	94
3802	In situ assessment of atorvastatin impurity using MALDI mass spectrometry imaging (MALDI-MSI). Analytica Chimica Acta, 2014, 818, 32-38.	5.4	16
3803	MSâ€monitored conjugation of poly(ethylene glycol) monomethacrylate to RGD peptides. Journal of Applied Polymer Science, 2014, 131, .	2.6	5
3804	Matrixâ€free singleâ€cell LDIâ€MS investigations of the diatoms <i>Coscinodiscus granii</i> and <i>Thalassiosira pseudonana</i> Journal of Mass Spectrometry, 2014, 49, 136-144.	1.6	11
3805	Preventive and therapeutic potential of peptides from cereals against cancer. Journal of Proteomics, 2014, 111, 165-183.	2.4	86
3806	MALDI MS profiling of postâ€DRE urine samples highlights the potential of βâ€microseminoprotein as a marker for prostatic diseases. Prostate, 2014, 74, 103-111.	2.3	22
3807	Distribution study of atorvastatin and its metabolites in rat tissues using combined information from UHPLC/MS and MALDI-Orbitrap-MS imaging. Analytical and Bioanalytical Chemistry, 2014, 406, 4601-4610.	3.7	23
3808	Mass spectrometry of natural products: current, emerging and future technologies. Natural Product Reports, 2014, 31, 718.	10.3	165
3809	Advances in the arsenal of tools available enabling the discovery of novel lantibiotics with therapeutic potential. Expert Opinion on Drug Discovery, 2014, 9, 283-297.	5.0	13
3810	Ceria nanocubic-ultrasonication assisted dispersive liquid–liquid microextraction coupled with matrix assisted laser desorption/ionization mass spectrometry for pathogenic bacteria analysis. Talanta, 2014, 120, 208-217.	5. 5	54
3811	Historical perspective of peptidomics. EuPA Open Proteomics, 2014, 3, 171-182.	2.5	77

#	Article	IF	CITATIONS
3812	"Polymeromics― Mass spectrometry based strategies in polymer science toward complete sequencing approaches: A review. Analytica Chimica Acta, 2014, 808, 56-69.	5.4	60
3813	Comparing ionâ€pairing reagents and sample dissolution solvents for ionâ€pairing reversedâ€phase liquid chromatography/electrospray ionization mass spectrometry analysis of oligonucleotides. Rapid Communications in Mass Spectrometry, 2014, 28, 339-350.	1.5	58
3814	Novel mass spectrometry technology development for large organic particle analysis. RSC Advances, 2014, 4, 4523-4534.	3.6	4
3815	Candida identification: a journey from conventional to molecular methods in medical mycology. World Journal of Microbiology and Biotechnology, 2014, 30, 1437-1451.	3.6	27
3816	Impact of serum proteins on MRI contrast agents: cellular binding and T ₂ relaxation. RSC Advances, 2014, 4, 31735-31744.	3.6	16
3817	Transmission Geometry Laser Desorption Atmospheric Pressure Photochemical Ionization Mass Spectrometry for Analysis of Complex Organic Mixtures. Analytical Chemistry, 2014, 86, 11151-11158.	6.5	6
3818	Porous Silicon-Based Mass Spectrometry. , 2014, , 1-16.		0
3819	Determination of Internal Energy Distributions of Laser Electrospray Mass Spectrometry using Thermometer lons and Other Biomolecules. Journal of the American Society for Mass Spectrometry, 2014, 25, 1572-1582.	2.8	21
3820	Recent developments of liquid-phase microextraction techniques directly combined with ESI- and MALDI-mass spectrometric techniques for organic and biomolecule assays. RSC Advances, 2014, 4, 16188.	3.6	30
3821	Surface-assisted laser desorption/ionization mass spectrometry using ordered silicon nanopillar arrays. Analyst, The, 2014, 139, 5999-6009.	3.5	54
3822	Group VA Polyesters Containing Thiodiglycolic Acid-Synthesis and Preliminary Cancer Activity. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 547-556.	2.2	9
3823	Probing the cytotoxicity of CdS–MPA and CdSe–MUA QDs on the bacterial pathogen Staphylococcus aureus using MALDI-MS. Analytical Methods, 2014, 6, 5304-5313.	2.7	13
3824	Classical MALDI-MS versus CE-based ESI-MS proteomic profiling in urine for clinical applications. Bioanalysis, 2014, 6, 247-266.	1.5	20
3825	Organic salt NEDC (N-naphthylethylenediamine dihydrochloride) assisted laser desorption ionization mass spectrometry for identification of metal ions in real samples. Analyst, The, 2014, 139, 3469-3475.	3.5	15
3826	(Post-)Genomics approaches in fungal research. Briefings in Functional Genomics, 2014, 13, 424-439.	2.7	16
3827	Comprehensive analysis of metalloporphyrins via high irradiance laser ionization time-of-flight mass spectrometry. Journal of Analytical Atomic Spectrometry, 2014, 29, 1714-1719.	3.0	9
3828	Laser desorption ionization mass spectrometry of peptides on a hybrid CHCA organic–inorganic matrix. Analyst, The, 2014, 139, 3748-3754.	3.5	6
3829	Semi-automated multi-dimensional characterization of synthetic copolymers. European Polymer Journal, 2014, 60, 153-162.	5.4	2

#	Article	IF	CITATIONS
3830	Gas-phase acid-base properties of homocysteine, homoserine, 5-mercaptonorvaline, and 5-hydroxynorvaline from the extended kinetic method. International Journal of Mass Spectrometry, 2014, 369, 71-80.	1.5	8
3831	Sequence Analysis of Styrenic Copolymers by Tandem Mass Spectrometry. Analytical Chemistry, 2014, 86, 9576-9582.	6.5	24
3832	Advancements of Mass Spectrometry in Biomedical Research. Advances in Experimental Medicine and Biology, 2014, , .	1.6	6
3833	Generation of <mml:math altimg="si20.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mtext>M@</mml:mtext><mml:msubsup><mml:mrow><mml:mtext>C</mml:mtext></mml:mrow></mml:msubsup><mml:mrow><mml:mtext>C<mml:mrow><mml:mtext>C<mml:mrow><mml:mtext>C<mml:mrow><mml:mtext>C<mml:mrow><mml:mtext>C<mml:mrow><mml:mtext>C<mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup><mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:msubsup></mml:mtext></mml:mrow></mml:mtext></mml:mrow></mml:mtext></mml:mrow></mml:mtext></mml:mrow></mml:mtext></mml:mrow></mml:mtext></mml:mrow></mml:mrow></mml:math>	mml:mtext>	
3834	Development of Solvent-Free Ambient Mass Spectrometry for Green Chemistry Applications. Analytical Chemistry, 2014, 86, 4024-4032.	6.5	28
3835	MALDI of synthetic polymers with labile endâ€groups. Mass Spectrometry Reviews, 2014, 33, 523-543.	5.4	60
3836	Overview of Peptide and Protein Analysis by Mass Spectrometry. Current Protocols in Molecular Biology, 2014, 108, 10.21.1-30.	2.9	23
3837	Soft-Landing Ion Mobility of Silver Clusters for Small-Molecule Matrix-Assisted Laser Desorption Ionization Mass Spectrometry and Imaging of Latent Fingerprints. Analytical Chemistry, 2014, 86, 8114-8120.	6.5	48
3839	Mass Spectrometry Methods for Studying Structure and Dynamics of Biological Macromolecules. Analytical Chemistry, 2014, 86, 213-232.	6.5	114
3840	Hydrazide and hydrazine reagents as reactive matrices for MALDIâ€MS to detect gaseous aldehydes. Journal of Mass Spectrometry, 2014, 49, 742-749.	1.6	19
3841	Mass spectrometry-based proteomics techniques for biological identification., 2014,, 370-430.		4
3842	Ion Intensity and Thermal Proton Transfer in Ultraviolet Matrix-Assisted Laser Desorption/Ionization. Journal of Physical Chemistry B, 2014, 118, 4132-4139.	2.6	14
3843	Overview of software options for processing, analysis and interpretation of mass spectrometric proteomic data. Journal of Mass Spectrometry, 2014, 49, 959-969.	1.6	8
3844	Lipid characterization of individual porcine oocytes by dual mode DESI-MS and data fusion. Analytica Chimica Acta, 2014, 848, 51-60.	5.4	55
3845	Mass Spectrometry for Determination of Bioactive Compounds. Comprehensive Analytical Chemistry, 2014, 65, 193-218.	1.3	6
3846	Contribution of thermal energy to initial ion production in matrixâ€assisted laser desorption/ionization observed with 2,4,6â€trihydroxyacetophenone. Rapid Communications in Mass Spectrometry, 2014, 28, 1716-1722.	1.5	7
3847	Toward high spatial resolution sampling and characterization of biological tissue surfaces using mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 4053-4061.	3.7	12
3848	Serum Biomarkers of Keshan Disease Assessed Using a Protein Profiling Approach Based on ClinProt Technique. Protein Journal, 2014, 33, 344-353.	1.6	6

#	Article	IF	CITATIONS
3849	The magic of words. Journal of Proteomics, 2014, 107, 1-4.	2.4	4
3850	Measuring masses of large biomolecules and bioparticles using mass spectrometric techniques. Analyst, The, 2014, 139, 3507-3523.	3.5	23
3851	Plume Composition and Evolution in Multicomponent Ices Using Resonant Two-Step Laser Ablation and Ionization Mass Spectrometry. Journal of Physical Chemistry A, 2014, 118, 5454-5463.	2.5	8
3852	High-Throughput Proteomics. Annual Review of Analytical Chemistry, 2014, 7, 427-454.	5.4	213
3853	Combination of extraction tip and MALDI-TOF-MS for efficient separation and analysis of cysteine-containing peptides. Science China Chemistry, 2014, 57, 703-707.	8.2	3
3854	IR-MALDESI Mass Spectrometry Imaging of Biological Tissue Sections Using Ice as a Matrix. Journal of the American Society for Mass Spectrometry, 2014, 25, 319-328.	2.8	119
3855	Thermal Proton Transfer Reactions in Ultraviolet Matrix-Assisted Laser Desorption/Ionization. Journal of the American Society for Mass Spectrometry, 2014, 25, 310-318.	2.8	54
3856	Influences of Proline and Cysteine Residues on Fragment Yield in Matrix-Assisted Laser Desorption/Ionization In-Source Decay Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2014, 25, 1040-1048.	2.8	17
3857	Quantification of Saccharides in Honey Samples Through Surface-Assisted Laser Desorption/Ionization Mass Spectrometry Using HgTe Nanostructures. Journal of the American Society for Mass Spectrometry, 2014, 25, 1247-1252.	2.8	15
3858	Matrix Segregation as the Major Cause for Sample Inhomogeneity in MALDI Dried Droplet Spots. Journal of the American Society for Mass Spectrometry, 2014, 25, 1356-1363.	2.8	29
3859	A ToF-MS with a Highly Efficient Electrostatic Ion Guide for Characterization of Ionic Liquid Electrospray Sources. Journal of the American Society for Mass Spectrometry, 2014, 25, 1364-1373.	2.8	1
3860	Strong ionic interactions in noncovalent complexes between poly(ethylene imine), a cationic electrolyte, and Cibacron Blue, a nucleotide mimic – implications for oligonucleotide vectors. Journal of Mass Spectrometry, 2014, 49, 597-607.	1.6	0
3861	Towards single-cell LC-MS phosphoproteomics. Analyst, The, 2014, 139, 4733-4749.	3.5	25
3862	Pseudogenes. Methods in Molecular Biology, 2014, 1167, v.	0.9	5
3863	Spore proteomics: the past, present and the future. FEMS Microbiology Letters, 2014, 358, 137-144.	1.8	11
3864	Screening of DUB activity and specificity by MALDI-TOF mass spectrometry. Nature Communications, 2014, 5, 4763.	12.8	269
3865	Matrixâ€Assisted Laser Desorption/Ionization Timeâ€ofâ€Flight Mass Analysis of Peptides. Current Protocols in Protein Science, 2014, 77, 16.2.1-16.2.11.	2.8	6
3866	Design, characterization and applications of new ionic liquid matrices for multifunctional analysis of biomolecules: A novel strategy for pathogenic bacteria biosensing. Analytica Chimica Acta, 2014, 823, 51-60.	5.4	41

#	Article	IF	CITATIONS
3867	Structure elucidation of chlorophyll catabolites (phyllobilins) by ESI-mass spectrometryâ€"Pseudo-molecular ions and fragmentation analysis of a nonfluorescent chlorophyll catabolite (NCC). International Journal of Mass Spectrometry, 2014, 365-366, 48-55.	1.5	33
3868	Multidimensional mass spectrometry methods for the structural characterization of cyclic polymers. Reactive and Functional Polymers, 2014, 80, 95-108.	4.1	20
3869	Determination of polyethylene glycol end group functionalities by combination of selective reactions and characterization by matrix assisted laser desorption/ionization time-of-flight mass spectrometry. Analytica Chimica Acta, 2014, 816, 28-40.	5.4	17
3870	Paleoproteomics explained to youngsters: how did the wedding of two-dimensional electrophoresis and protein sequencing spark proteomics on: Let there be light. Journal of Proteomics, 2014, 107, 5-12.	2.4	10
3871	Nanostructured weathering steel for matrix-free laser desorption ionisation mass spectrometry and imaging of metabolites, drugs and complex glycans. Analyst, The, 2014, 139, 2873.	3.5	16
3872	Recent advances in proteomics: towards the human proteome. Biomedical Chromatography, 2014, 28, 848-857.	1.7	25
3873	Identification and differentiation of food-related bacteria: A comparison of FTIR spectroscopy and MALDI-TOF mass spectrometry. Journal of Microbiological Methods, 2014, 103, 44-52.	1.6	68
3874	MALDI MS and ICP MS Detection of a Single CE Separation Record: A Tool for Metalloproteomics. Analytical Chemistry, 2014, 86, 647-654.	6.5	26
3875	Nano-LC/MALDI-MS Using a Column-Integrated Spotting Probe for Analysis of Complex Biomolecule Samples. Analytical Chemistry, 2014, 86, 2549-2558.	6.5	8
3876	On the Origin of Increased Sensitivity and Mass Resolution Using Silicon Masks in MALDI. Analytical Chemistry, 2014, 86, 1404-1413.	6.5	4
3877	Recent methodological advances in MALDI mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 2261-2278.	3.7	104
3878	3-Aminoquinoline/ <i>p</i> -Coumaric Acid as a MALDI Matrix for Glycopeptides, Carbohydrates, and Phosphopeptides. Analytical Chemistry, 2014, 86, 1937-1942.	6.5	46
3879	Fragmentation Characteristics of Deprotonated <i>N</i> -linked Glycopeptides: Influences of Amino Acid Composition and Sequence. Journal of the American Society for Mass Spectrometry, 2014, 25, 988-998.	2.8	15
3880	New Approach for Pseudo-MS ³ Analysis of Peptides and Proteins via MALDI In-Source Decay Using Radical Recombination with 1,5-Diaminonaphthalene. Analytical Chemistry, 2014, 86, 2451-2457.	6.5	24
3881	Thermal Diffusion Desorption for the Comprehensive Analysis of Organic Compounds. Analytical Chemistry, 2014, 86, 6372-6378.	6.5	5
3882	MALDI-TOF and 13C NMR analysis of Tunisian Zizyphus jujuba root bark tannins. Industrial Crops and Products, 2014, 59, 277-281.	5.2	25
3883	Mass spectrometry-based proteomics in Chest Medicine, Gerontology, and Nephrology: subgroups		

#	ARTICLE	IF	CITATIONS
3886	Catch Me if You Can: Challenges and Applications of Cross-Linking Approaches. European Journal of Mass Spectrometry, 2014, 20, 99-116.	1.0	12
3887	Development of a Miniaturized Multi-Turn Time-of-Flight Mass Spectrometer with a Pulsed Fast Atom Bombardment Ion Source. European Journal of Mass Spectrometry, 2014, 20, 215-220.	1.0	4
3888	Gold and silver nanoparticleâ€assisted laser desorption ionization mass spectrometry compatible with secondary ion mass spectrometry for lipid analysis. Surface and Interface Analysis, 2014, 46, 379-382.	1.8	7
3890	CHARACTERIZING NEUROPEPTIDE RELEASE: FROM ISOLATED CELLS TO INTACT ANIMALS. , 2015, , 335-349.		1
3894	Identification of Aerobic Gram-Negative Bacteria., 2015,, 77-92.		1
3895	Identifi cation and Enumeration of Probiotics. , 2015, , 111-122.		0
3896	Hydrazide and Hydrazine Reagents as Reactive Matrices for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry to Detect Steroids with Carbonyl Groups. European Journal of Mass Spectrometry, 2015, 21, 79-90.	1.0	10
3897	Analysis of Illicit Drugs by Direct Ablation of Solid Samples. European Journal of Mass Spectrometry, 2015, 21, 775-781.	1.0	1
3898	Growth and characterization of nonlinear optical single crystal: Nicotinic L-tartaric. AIP Conference Proceedings, 2015, , .	0.4	1
3899	Enter the matrix. Nature Methods, 2015, 12, 17-17.	19.0	1
3900	Interfacing low-energy SAW nebulization with Liquid Chromatography-Mass Spectrometry for the analysis of biological samples. Scientific Reports, 2015, 5, 9736.	3.3	21
3901	Designed macroporous nanoreactors for mass spectrometry based analysis of membrane proteins. , 2015, , .		0
3902	Laser desorption ionization of small molecules assisted by tungsten oxide and rhenium oxide particles. Journal of Mass Spectrometry, 2015, 50, 891-898.	1.6	15
3903	Simultaneous detection of phosphatidylcholines and glycerolipids using matrixâ€enhanced surfaceâ€assisted laser desorption/ionizationâ€mass spectrometry with sputterâ€deposited platinum film. Journal of Mass Spectrometry, 2015, 50, 1264-1269.	1.6	19
3904	Proteomic analysis of Chromobacterium violaceum and its adaptability to stress. BMC Microbiology, 2015, 15, 272.	3.3	7
3905	Elucidation of a side reaction occurring during nitroxide-mediated polymerization of cyclic ketene acetals by tandem mass spectrometric end-group analysis of aliphatic polyesters. Rapid Communications in Mass Spectrometry, 2015, 29, 2302-2308.	1.5	5
3906	Molecular Technologies in the Clinical Diagnostic Laboratory. Cancer Control, 2015, 22, 142-151.	1.8	0
3907	MALDI Matrix Research for Biopolymers. Mass Spectrometry, 2015, 4, A0037-A0037.	0.6	15

#	Article	IF	CITATIONS
3908	Future technology insight: mass spectrometry imaging as a tool in drug research and development. British Journal of Pharmacology, 2015, 172, 3266-3283.	5.4	55
3909	Rapid Identification of Terminal Sialic Acid Linkage Isomers by Pseudoâ€MS ³ Mass Spectrometry. Israel Journal of Chemistry, 2015, 55, 412-422.	2.3	17
3910	Atmospheric pressure laser desorption/ionization using a 6-7 Âμm-band mid-infrared tunable laser and liquid water matrix. Journal of Mass Spectrometry, 2015, 50, 65-70.	1.6	6
3911	Direct analysis in real time mass spectrometry (DARTâ€MS) of highly nonâ€polar low molecular weight polyisobutylenes. Journal of Mass Spectrometry, 2015, 50, 1071-1078.	1.6	7
3912	Chemical crossâ€inking and native mass spectrometry: A fruitful combination for structural biology. Protein Science, 2015, 24, 1193-1209.	7.6	112
3913	Characterization of Metallosupramolecular Polymers by Top-Down Multidimensional Mass Spectrometry Methods. Macromolecular Rapid Communications, 2015, 36, 1539-1552.	3.9	34
3915	Primary Structure of a Trypsin Inhibitor (Copaifera langsdorffii Trypsin Inhibitor-1) Obtained from C. langsdorffii Seeds. Journal of Biomolecular Techniques, 2015, 26, 90-102.	1.5	2
3916	Knowledge Discovery in Proteomic Mass Spectrometry Data. , 2015, , 503-519.		0
3917	Protein S-nitrosylation: specificity and identification strategies in plants. Frontiers in Chemistry, 2014, 2, 114.	3.6	91
3918	A Review: Proteomics in Nasopharyngeal Carcinoma. International Journal of Molecular Sciences, 2015, 16, 15497-15530.	4.1	36
3919	Primary Structural Analysis of Cyclotides. Advances in Botanical Research, 2015, , 113-154.	1.1	2
3920	Enhancing MALDI Time-Of-Flight Mass Spectrometer Performance through Spectrum Averaging. PLoS ONE, 2015, 10, e0120932.	2.5	8
3921	The quest for tolerant varieties: the importance of integrating "omics―techniques to phenotyping. Frontiers in Plant Science, 2015, 6, 448.	3.6	67
3922	Diamond Nanowires: A Novel Platform for Electrochemistry and Matrix-Free Mass Spectrometry. Sensors, 2015, 15, 12573-12593.	3.8	41
3924	History and Present Status of Micro- and Nano-Imaging Analysis. Comprehensive Analytical Chemistry, 2015, , 67-124.	1.3	2
3925	Cost Savings Realized by Implementation of Routine Microbiological Identification by Matrix-Assisted Laser Desorption Ionization–Time of Flight Mass Spectrometry. Journal of Clinical Microbiology, 2015, 53, 2473-2479.	3.9	114
3926	Analyses of functional polymer-modified nanoparticles for protein sensing by surface-assisted laser desorption/ionization mass spectrometry coupled with HgTe nanomatrices. Colloids and Surfaces B: Biointerfaces, 2015, 130, 157-163.	5.0	5
3927	Monitoring of Cell Culture. Cell Engineering, 2015, , 185-221.	0.4	3

#	Article	IF	Citations
3931	Gas-Phase Hydrogen-Deuterium Exchange Labeling of Select Peptide Ion Conformer Types: a Per-Residue Kinetics Analysis. Journal of the American Society for Mass Spectrometry, 2015, 26, 1115-1127.	2.8	16
3932	Mapping protein structural changes by quantitative cross-linking. Methods, 2015, 89, 112-120.	3.8	27
3933	Benchmark datasets for 3D MALDI- and DESI-imaging mass spectrometry. GigaScience, 2015, 4, 20.	6.4	53
3934	Enhanced measurement of CsI cluster ions for mass calibration in MALDI-MS using sugar alcohols. Analytical Methods, 2015, 7, 2215-2218.	2.7	8
3935	A soft ionization method for semivolatile compounds. Journal of Analytical Chemistry, 2015, 70, 1527-1532.	0.9	4
3936	Synthesis of Organotin Polyamine Ethers Containing Thiamine (Vitamin B1) and Preliminary Ability to Inhibit Select Cancer Cell Lines. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1414-1424.	3.7	10
3937	Evaluation of atmospheric solid analysis probe ionization coupled to ion mobility mass spectrometry for characterization of poly(ether ether ketone) polymers. Analytica Chimica Acta, 2015, 856, 46-53.	5.4	14
3939	Collision-induced dissociation of aminophospholipids (PE, MMPE, DMPE, PS): an apparently known fragmentation process revisited. Analytical and Bioanalytical Chemistry, 2015, 407, 5079-5089.	3.7	2
3940	A brief case study demonstrating the applicability of MALDI mass spectrometry for detecting bacteria in dental samples. RSC Advances, 2015, 5, 14090-14094.	3.6	1
3941	A critique on the structural analysis of lignins and application of novel tandem mass spectrometric strategies to determine lignin sequencing. Journal of Mass Spectrometry, 2015, 50, 5-48.	1.6	86
3942	Neuroproteomics tools in clinical practice. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 705-717.	2.3	32
3943	Direct Analysis of Intact Biological Macromolecules by Low-Energy, Fiber-Based Femtosecond Laser Vaporization at 1042 nm Wavelength with Nanospray Postionization Mass Spectrometry. Analytical Chemistry, 2015, 87, 3187-3194.	6.5	6
3944	Facile Synthesis of Gold@Graphitized Mesoporous Silica Nanocomposite and Its Surface-Assisted Laser Desorption/Ionization for Time-of-Flight Mass Spectroscopy. ACS Applied Materials & Lamp; Interfaces, 2015, 7, 2032-2038.	8.0	43
3945	Quantitative Proteomic Analysis of Histone Modifications. Chemical Reviews, 2015, 115, 2376-2418.	47.7	306
3946	An overview of various typing methods for clinical epidemiology of the emerging pathogen Stenotrophomonas maltophilia. Diagnostic Microbiology and Infectious Disease, 2015, 81, 219-226.	1.8	47
3947	<i>Colloquium</i> : 100 years of mass spectrometry: Perspectives and future trends. Reviews of Modern Physics, 2015, 87, 113-135.	45. 6	83
3948	Synthesis and Preliminary Cancer Activity of Chelidonic Acid Polyesters Containing the Triphenylarsenic, Triphenylantimony, and Triphenylbismuth Moiety. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 311-319.	3.4	7
3949	Time-of-flight mass spectrometry (TOFMS): From niche to mainstream. International Journal of Mass Spectrometry, 2015, 377, 295-308.	1.5	7

#	Article	IF	CITATIONS
3950	Vitreous humor in the pathologic scope: Insights from proteomic approaches. Proteomics - Clinical Applications, 2015, 9, 187-202.	1.6	31
3951	Spatial neuroproteomics using imaging mass spectrometry. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 718-731.	2.3	31
3952	Flavonoid tannins linked to long carbohydrate chains $\hat{a}\in$ MALDI-TOF analysis of the tannin extract of the African locust bean shells. Industrial Crops and Products, 2015, 67, 25-32.	5.2	36
3953	Protein Biomarkers for Detecting Cancer. , 2015, , 331-346.e5.		O
3954	Magnetic graphene composites as both an adsorbent for sample enrichment and a MALDI-TOF MS matrix for the detection of nitropolycyclic aromatic hydrocarbons in PM _{2.5} . Analyst, The, 2015, 140, 1711-1716.	3.5	21
3955	Cellular-level mass spectrometry imaging using infrared matrix-assisted laser desorption electrospray ionization (IR-MALDESI) by oversampling. Analytical and Bioanalytical Chemistry, 2015, 407, 2265-2271.	3.7	39
3956	Group VA Poly(amine esters) Containing the Antibacterial Ampicillin. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 400-410.	3.7	3
3957	Lipid imaging within the normal rat kidney using silver nanoparticles by matrix-assisted laser desorption/ionization mass spectrometry. Kidney International, 2015, 88, 186-192.	5.2	64
3958	Gold nanoparticle-enhanced target (AuNPET) as universal solution for laser desorption/ionization mass spectrometry analysis and imaging of low molecular weight compounds. Analytica Chimica Acta, 2015, 875, 61-72.	5.4	84
3959	Surface-Assisted Laser Desorption/Ionization of Trinitrotoluene on Porous Silicon under Ambient Conditions. Journal of Physical Chemistry C, 2015, 119, 6382-6388.	3.1	9
3960	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
3961	Quantitative analysis of nitro-polycyclic aromatic hydrocarbons in PM _{2.5} samples with graphene as a matrix by MALDI-TOF MS. Analytical Methods, 2015, 7, 3967-3971.	2.7	20
3962	High-energy electron transfer dissociation of protonated amino acids. International Journal of Mass Spectrometry, 2015, 390, 14-23.	1.5	2
3963	Guided mass spectrum labelling in atom probe tomography. Ultramicroscopy, 2015, 159, 338-345.	1.9	26
3964	Detecting monoclonal immunoglobulins in human serum using mass spectrometry. Methods, 2015, 81, 56-65.	3.8	77
3965	Proteome signatures—how are they obtained and what do they teach us?. Applied Microbiology and Biotechnology, 2015, 99, 7417-7431.	3.6	15
3966	Applying Proteomics to Investigate Extracellular Matrix in Health and Disease. Current Topics in Membranes, 2015, 76, 171-196.	0.9	13
3967	Survival yield comparison between ESI and SAII: Mechanistic implications. International Journal of Mass Spectrometry, 2015, 378, 107-112.	1.5	20

#	Article	IF	CITATIONS
3968	Ionization Mechanism of Matrix-Assisted Laser Desorption/Ionization. Annual Review of Analytical Chemistry, 2015, 8, 21-39.	5 . 4	54
3969	Mass spectrometry coupled to imaging techniques: the better the view the greater the challenge. Frontiers in Physiology, 2015, 6, 3.	2.8	24
3970	Advanced Molecular Surveillance of Hepatitis C Virus. Viruses, 2015, 7, 1153-1188.	3.3	12
3971	Insight into the Molecular and Functional Diversity of Cnidarian Neuropeptides. International Journal of Molecular Sciences, 2015, 16, 2610-2625.	4.1	49
3972	Direct and fast detection of chlorothalonil in soil samples using laser desorption VUV single photon post-ionization mass spectrometry. Analytical Methods, 2015, 7, 6890-6895.	2.7	6
3973	Electrochemically Engineered Nanoporous Materials. Springer Series in Materials Science, 2015, , .	0.6	23
3974	Nanoparticles for Mass Spectrometry Applications. , 2015, , 1-23.		0
3975	Oligonucleotide aptamers: emerging affinity probes for bioanalytical mass spectrometry and biomarker discovery. Analytical Methods, 2015, 7, 7416-7430.	2.7	8
3976	Structure Determination of Natural Products by Mass Spectrometry. Annual Review of Analytical Chemistry, 2015, 8, 1-19.	5.4	13
3977	A Thermal Mechanism of Ion Formation in MALDI. Annual Review of Analytical Chemistry, 2015, 8, 41-60.	5 . 4	35
3978	Nanomaterial based mass spectrometry of oligodeoxynucleotide–drug complexes. Analytical Methods, 2015, 7, 6360-6364.	2.7	0
3979	The Impact II, a Very High-Resolution Quadrupole Time-of-Flight Instrument (QTOF) for Deep Shotgun Proteomics *. Molecular and Cellular Proteomics, 2015, 14, 2014-2029.	3.8	150
3980	Proteomic Challenges: Sample Preparation Techniques for Microgram-Quantity Protein Analysis from Biological Samples. International Journal of Molecular Sciences, 2015, 16, 3537-3563.	4.1	225
3981	Applications of Nanoparticles in Mass Spectrometry for Highly Sensitive Analysis. , 2015, , 1-21.		0
3982	Melanin-like polydopa amides – synthesis and application in functionalization of magnetic nanoparticles. Polymer Chemistry, 2015, 6, 2139-2149.	3.9	23
3983	Hydrophilic Nb5+-immobilized magnetic core–shell microsphere – A novel immobilized metal ion affinity chromatography material for highly selective enrichment of phosphopeptides. Analytica Chimica Acta, 2015, 880, 67-76.	5.4	49
3984	Highly sensitive bacterial susceptibility test against penicillin using parylene-matrix chip. Biosensors and Bioelectronics, 2015, 71, 306-312.	10.1	14
3985	Amino acid sequence of Japanese quail (Coturnix japonica) and northern bobwhite (Colinus) Tj ETQq1 1 0.784314	1 rgBT /Ov	erlock 10 Tf

#	Article	IF	CITATIONS
3986	lon-to-Neutral Ratios and Thermal Proton Transfer in Matrix-Assisted Laser Desorption/Ionization. Journal of the American Society for Mass Spectrometry, 2015, 26, 1242-1251.	2.8	36
3987	Plant Proteomics: Technologies and Applications. , 2015, , 213-256.		3
3988	A tunable isoelectric focusing via moving reaction boundary for two-dimensional gel electrophoresis and proteomics. Talanta, 2015, 137, 197-203.	5.5	13
3989	Plant Lipidomics: Signalling and Analytical Strategies. , 2015, , 331-356.		1
3990	Getting to the core of protein pharmaceuticals $\hat{a}\in$ Comprehensive structure analysis by mass spectrometry. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 95-109.	4.3	53
3991	Highâ€speed MALDI MS/MS imaging mass spectrometry using continuous raster sampling. Journal of Mass Spectrometry, 2015, 50, 703-710.	1.6	85
3992	The analyses of fluorescently labeled biomolecules using ultraviolet-wavelength fluorophore-assisted laser desorption/ionization-mass spectrometry (UV FALDI-MS). International Journal of Mass Spectrometry, 2015, 389, 39-46.	1.5	4
3993	Improving the Sensitivity of Matrix-Assisted Ionization (MAI) Mass Spectrometry Using Ammonium Salts. Journal of the American Society for Mass Spectrometry, 2015, 26, 1649-1656.	2.8	25
3994	Detailed MALDI comparison of NiPAm glycopolymers. European Polymer Journal, 2015, 71, 325-335.	5.4	1
3995	From culturomics to taxonomogenomics: A need to change the taxonomy of prokaryotes in clinical microbiology. Anaerobe, 2015, 36, 73-78.	2.1	119
3996	Ambient ionisation mass spectrometry for lipid profiling and structural analysis of mammalian oocytes, preimplantation embryos and stem cells. Reproduction, Fertility and Development, 2015, 27, 621.	0.4	31
3997	Lipid Machinery Investigation Using MALDI Imaging Mass Spectrometry. , 2015, , 371-391.		0
3998	Correcting mass shifts: A lock mass-free recalibration procedure for mass spectrometry imaging data. Analytical and Bioanalytical Chemistry, 2015, 407, 7603-7613.	3.7	11
3999	Matrix-Assisted Ionization-Ion Mobility Spectrometry-Mass Spectrometry: Selective Analysis of a Europium–PEG Complex in a Crude Mixture. Journal of the American Society for Mass Spectrometry, 2015, 26, 2086-2095.	2.8	14
4000	Importance of the Matrix and the Matrix/Sample Ratio in MALDI-TOF-MS Analysis of Cathelicidins Obtained from Porcine Neutrophils. Applied Biochemistry and Biotechnology, 2015, 175, 2050-2065.	2.9	13
4002	Ion/Molecule Attachment Reactions: Mass Spectrometry. , 2015, , .		17
4003	Differentiation of Rubidiated Methyl-d-Glycoside Stereoisomers by Infrared Multiple-Photon Dissociation Spectroscopy in the O–H and C–H Stretching Regions. Journal of Physical Chemistry B, 2015, 119, 12970-12981.	2.6	12
4004	Analytical applications of nanoparticles in MALDI-MS for bioanalysis. Bioanalysis, 2015, 7, 2265-2276.	1.5	11

#	Article	IF	CITATIONS
4005	Use of Mass Spectrometry in the Characterization of Polymers Emphasizing Metal-Containing Condensation Polymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 867-886.	2.2	9
4006	Effect of polydimethylsiloxane (PDMS) coating on TiO2-based MALDI matrix for dimethyl methylphosphonate (DMMP) analysis. Applied Surface Science, 2015, 353, 342-349.	6.1	5
4007	High Sensitivity and High Detection Specificity of Gold-Nanoparticle-Grafted Nanostructured Silicon Mass Spectrometry for Glucose Analysis. ACS Applied Materials & Spectrometry for Glucose Analysis.	8.0	51
4008	Silver nanostructures in laser desorption/ionization mass spectrometry and mass spectrometry imaging. Analyst, The, 2015, 140, 6195-6209.	3.5	58
4009	A novel type of matrix for surface-assisted laser desorption–ionization mass spectrometric detection of biomolecules using metal-organic frameworks. Analytica Chimica Acta, 2015, 888, 103-109.	5.4	40
4010	Fucoidan Analysis by Tandem MALDI-TOF and ESI Mass Spectrometry. Methods in Molecular Biology, 2015, 1308, 299-312.	0.9	5
4011	Ambient ionization MS for bioanalysis: recent developments and challenges. Bioanalysis, 2015, 7, 1901-1923.	1.5	26
4012	Synthesis and Preliminary Anticancer Results for Polymers From the Reaction of Organotin Dihalides and Thiodiglycolic Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 786-797.	2.2	0
4013	Characterization and Application of a Hybrid Optical Microscopy/Laser Ablation Liquid Vortex Capture/Electrospray Ionization System for Mass Spectrometry Imaging with Sub-micrometer Spatial Resolution. Analytical Chemistry, 2015, 87, 11113-11121.	6.5	44
4014	Exploring the ability of water soluble carbon dots as matrix for detecting neurological disorders using MALDI-TOF MS. International Journal of Mass Spectrometry, 2015, 393, 25-33.	1.5	25
4015	Lipidomic analysis of cerebrospinal fluid by mass spectrometry–based methods. Journal of Inherited Metabolic Disease, 2015, 38, 53-64.	3.6	18
4016	Mass spectrometry in studies of protein thiol chemistry and signaling: Opportunities and caveats. Free Radical Biology and Medicine, 2015, 80, 191-211.	2.9	56
4017	Intact stable isotope labeled plasma proteins from the SILACâ€labeled HepG2 secretome. Proteomics, 2015, 15, 3104-3115.	2.2	8
4018	Microflow Liquid Chromatography Coupled to Mass Spectrometryâ€"An Approach to Significantly Increase Sensitivity, Decrease Matrix Effects, and Reduce Organic Solvent Usage in Pesticide Residue Analysis. Analytical Chemistry, 2015, 87, 1018-1025.	6.5	49
4019	A new window into the molecular physiology of membrane proteins. Journal of Physiology, 2015, 593, 355-362.	2.9	32
4020	Nanomaterial-based miniaturized extraction and preconcentration techniques coupled to matrix-assisted laser desorption/ionization mass spectrometry for assaying biomolecules. TrAC - Trends in Analytical Chemistry, 2015, 65, 54-72.	11.4	57
4021	SIMSâ€"A precursor and partner to contemporary mass spectrometry. International Journal of Mass Spectrometry, 2015, 377, 568-579.	1.5	51
4022	A simple protocol for combinatorial cyclic depsipeptide libraries sequencing by matrix-assisted laser desorption/ionisation mass spectrometry. Journal of Peptide Science, 2015, 21, 40-45.	1.4	13

#	Article	IF	Citations
4023	Advances in coupling microfluidic chips to mass spectrometry. Mass Spectrometry Reviews, 2015, 34, 535-557.	5.4	112
4024	Current trends in mass spectrometry of peptides and proteins: Application to veterinary and sportsâ€doping control. Mass Spectrometry Reviews, 2015, 34, 571-594.	5.4	46
4025	The application of targeted mass spectrometryâ€based strategies to the detection and localization of postâ€translational modifications. Mass Spectrometry Reviews, 2015, 34, 595-626.	5.4	27
4026	Analytical applications of ion activation techniques. International Journal of Mass Spectrometry, 2015, 377, 610-616.	1.5	2
4027	Mass Spectrometry Imaging of Small Molecules. Methods in Molecular Biology, 2015, 1203, v-vi.	0.9	5
4028	Simulationâ€based design of a microfabricated pneumatic electrospray nebulizer. Electrophoresis, 2015, 36, 386-392.	2.4	3
4029	Direct analysis of in-gel proteins by carbon nanotubes-modified paper spray ambient mass spectrometry. Analyst, The, 2015, 140, 710-715.	3.5	56
4030	Fifty years of desorption ionization of nonvolatile compounds. International Journal of Mass Spectrometry, 2015, 377, 515-531.	1.5	26
4031	Magic matrices for ionization in mass spectrometry. International Journal of Mass Spectrometry, 2015, 377, 532-545.	1.5	43
4032	Re-print of "Gas-phase acid–base properties of homocysteine, homoserine, 5-mercaptonorvaline and 5-hydroxynorvaline from the extended kinetic method― International Journal of Mass Spectrometry, 2015, 377, 73-83.	1.5	0
4033	Monitoring recombinant human erythropoietin abuse among athletes. Biosensors and Bioelectronics, 2015, 63, 86-98.	10.1	18
4034	Mass Spectrometry, Review of the Basics: Ionization. Applied Spectroscopy Reviews, 2015, 50, 158-175.	6.7	108
4035	MALDI-TOF MS for the Diagnosis of Infectious Diseases. Clinical Chemistry, 2015, 61, 100-111.	3.2	383
4036	Determination of thermodynamic and kinetic properties of biomolecules by mass spectrometry. Current Opinion in Biotechnology, 2015, 31, 65-72.	6.6	33
4038	Protein Analysis in the Clinical Immunology Laboratory. , 2016, , 26-45.		0
4039	Mass Spectrometry: Structure Determination of Proteins and Peptidesâ [†] t., 2016, , .		O
4040	Time-of-Flight Mass Spectrometry and Composition Measurements. , 2016, , 123-154.		7
4041	Is MALDI-TOF Mass Spectrometry a Valuable New Tool for Microorganisms Epidemiology?. Journal of Proteomics and Bioinformatics, 2016, 9, .	0.4	1

#	Article	IF	CITATIONS
4042	MALDI-TOF MS: a rapid microbiological confirmation technique for food and water analysis. , 2016, , 185-220.		1
4043	Sample Preparation and Ionization for Mass Spectrometry. , 2016, , 9-67.		0
4044	Matrices for MALDI Using an Infrared Laser. Journal of the Mass Spectrometry Society of Japan, 2016, 64, 183-186.	0.1	0
4045	Laser Desorption Ionization Imaging Mass Spectrometry for Surface Analysis. Journal of Surface Analysis (Online), 2016, 23, 2-10.	0.1	0
4046	Top-Down Proteomics. , 2016, , 175-191.		4
4047	Transient Anions in Radiobiology and Radiotherapy: From Gaseous Biomolecules to Condensed Organic and Biomolecular Solids. , 0, , .		4
4048	Processed stigmas of <i>Crocus sativus</i> L. imaged by MALDIâ€based MS. Proteomics, 2016, 16, 1726-1730.	2.2	4
4049	Small Packages, Big Returns: Uncovering the Venom Diversity of Small Invertebrate Conoidean Snails. Integrative and Comparative Biology, 2016, 56, 962-972.	2.0	14
4050	Estimation of peptide N–C _α bond cleavage efficiency during MALDIâ€ISD using a cyclic peptide. Journal of Mass Spectrometry, 2016, 51, 323-327.	1.6	9
4051	Quantum dots assisted laser desorption/ionization mass spectrometric detection of carbohydrates: qualitative and quantitative analysis. Journal of Mass Spectrometry, 2016, 51, 291-297.	1.6	17
4052	Indirect study of nonâ€covalent protein complexes by MALDI mass spectrometry: Origins, advantages, and applications of the "intensityâ€fading―approach. Mass Spectrometry Reviews, 2016, 35, 559-573.	5.4	11
4053	Towards matrixâ€free femtosecondâ€laser desorption mass spectrometry for <i>in situ</i> space research. Rapid Communications in Mass Spectrometry, 2016, 30, 1031-1036.	1.5	25
4054	Characterization of nucleic acids by tandem mass spectrometry ―The second decade (2004–2013): From DNA to RNA and modified sequences. Mass Spectrometry Reviews, 2016, 35, 483-523.	5.4	56
4055	Principles of hydrogen radical mediated peptide/protein fragmentation during matrixâ€assisted laser desorption/ionization mass spectrometry. Mass Spectrometry Reviews, 2016, 35, 535-556.	5.4	33
4056	6-Amidopyrene as a label-assisted laser desorption/ionization (LA-LDI) enhancing tag: development of photoaffinity pyrene derivative. Scientific Reports, 2016, 5, 17853.	3.3	13
4058	Superbasic alkyl-substituted bisphosphazene proton sponges: a new class of deprotonating matrices for negative ion matrix-assisted ionization/laser desorption mass spectrometry of low molecular weight hardly ionizable analytes. Rapid Communications in Mass Spectrometry, 2016, 30, 1680-1686.	1.5	19
4059	Recent advances in proteomics of cereals. Biotechnology and Genetic Engineering Reviews, 2016, 32, 1-17.	6.2	5
4060	Top-Down Mass Spectrometry: Proteomics to Proteoforms. Advances in Experimental Medicine and Biology, 2016, 919, 171-200.	1.6	24

#	Article	IF	CITATIONS
4061	In vivo Real-Time Mass Spectrometry for Guided Surgery Application. Scientific Reports, 2016, 6, 25919.	3.3	100
4062	Modern Proteomics – Sample Preparation, Analysis and Practical Applications. Advances in Experimental Medicine and Biology, 2016, , .	1.6	13
4063	Protein Structural Analysis via Mass Spectrometry-Based Proteomics. Advances in Experimental Medicine and Biology, 2016, 919, 397-431.	1.6	27
4064	Electrospray Ionization Tandem Mass Spectrometric Study of Protonated and Alkali-Cationized α/ε-Hybrid Peptides: Differentiation of a Pair of Dipeptide Positional Isomers. European Journal of Mass Spectrometry, 2016, 22, 181-191.	1.0	1
4065	Mass spectrometry: a technique of many faces. Quarterly Reviews of Biophysics, 2016, 49, .	5.7	13
4067	Proteomic Profiling: Data Mining and Analyses. Translational Bioinformatics, 2016, , 133-173.	0.0	0
4068	Polymer architectures via mass spectrometry and hyphenated techniques: A review. Analytica Chimica Acta, 2016, 932, 1-21.	5.4	77
4069	Mass Spectrometry-Based Proteomics in Biomarker Discovery for Neurodegenerative Diseases. Methods in Pharmacology and Toxicology, 2016, , 253-282.	0.2	0
4070	The Development of Imaging Mass Spectrometry. , 2016, , 285-304.		3
4071	A new approach for detection of explosives based on ion mobility spectrometry and laser desorption/ionization on porous silicon. Proceedings of SPIE, 2016, , .	0.8	0
4072	A Historical Perspective on Field Ionization (FI) and Field Desorption (FD) Mass Spectrometry. , 2016, , 92-100.		1
4073	Mechanism of Protein Molecule Isolation by IR Laser Ablation of Droplet Beam. Journal of Physical Chemistry A, 2016, 120, 1495-1500.	2.5	13
4074	Multiplexed, targeted gene editing in <i>Nicotiana benthamiana</i> for glycoâ€engineering and monoclonal antibody production. Plant Biotechnology Journal, 2016, 14, 533-542.	8.3	95
4075	Revealing Higher Order Protein Structure Using Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2016, 27, 952-965.	2.8	51
4077	A comparative study on the analytical utility of atmospheric and low-pressure MALDI sources for the mass spectrometric characterization of peptides. Methods, 2016, 104, 21-32.	3.8	14
4078	Assemblies of gold nanorods for efficient SALDI mass spectrometry. Optical Materials Express, 2016, 6, 1376.	3.0	7
4079	Carbon Dots and 9AA as a Binary Matrix for the Detection of Small Molecules by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2016, 27, 1227-1235.	2.8	32
4080	Significant advancement of mass spectrometry imaging for food chemistry. Food Chemistry, 2016, 210, 200-211.	8.2	58

#	Article		IF	CITATIONS
4081	Investigation and optimization of parameters affecting the multiply charged ion yield in AP-MALDI MS. Methods, 2016, 104, 11-20.		3.8	31
4082	Laser-based methods for the analysis of low molecular weight compounds in biological matrices. Methods, 2016, 104, 142-153.		3.8	23
4083	Direct Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometric Analysis of Lysozyme Contained in Hen Egg White. European Journal of Mass Spectrometry, 2016, 22, 9-17.		1.0	3
4085	Progress in Heterocyclic Metallosupramolecular Construction. Advances in Heterocyclic Chemistry, 2016, , 195-236.		1.7	5
4086	Functional gold nanoparticles coupled with laser desorption ionization mass spectrometry for bioanalysis. Analytical Methods, 2016, 8, 8123-8133.		2.7	36
4087	PSi-Based Microwave Detection Gradauskas and Jolanta Stupakova. , 2016, , 201-210.	Jonas		O
4088	Composite glycerol/graphite/aromatic acid matrices for thin-layer chromatography/matrix-assisted laser desorption/ionization mass spectrometry of heterocyclic compounds. Journal of Chromatography A, 2016, 1470, 118-122.		3.7	10
4089	Two-dimensional metal–organic framework nanosheets as a matrix for laser desorption/ionization of small molecules and monitoring enzymatic reactions at high salt concentrations. Chemical Communications, 2016, 52, 12984-12987.	:	4.1	61
4090	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
4091	3-Hydroxy-4-nitrobenzoic Acid as a MALDI Matrix for In-Source Decay. Analytical Chemistry, 2016, 88, 8058-8063.		6.5	13
4092	1,8-Di(piperidinyl)-naphthalene – rationally designed MAILD/MALDI matrix for metabolomics and imaging mass spectrometry. RSC Advances, 2016, 6, 75073-75081.		3.6	17
4093	MoS2/Ag nanohybrid: A novel matrix with synergistic effect for small molecule drugs analysis by negative-ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analytica Chimica Acta, 2016, 937, 87-95.		5.4	48
4094	Computational Intelligence Methods for Bioinformatics and Biostatistics. Lecture Notes in Computer Science, 2016, , .		1.3	1
4095	A researcher's guide to mass spectrometryâ€based proteomics. Proteomics, 2016, 16, 2435-2443.		2.2	30
4096	Ultrahigh Performance Liquid Chromatography Interfaced with Mass Spectrometry and Orthogonal Ion Mobility Separation for the Microstructure Characterization of Amphiphilic Block Copolymers. Chromatographia, 2016, 79, 961-969.		1.3	9
4097	Development of N,S-doped carbon dots as a novel matrix for the analysis of small molecules by negative ion MALDI-TOF MS. RSC Advances, 2016, 6, 79043-79049.		3.6	27
4098	Direct Imaging Mass Spectrometry of Plant Leaves Using Surface-assisted Laser Desorption/Ionization with Sputter-deposited Platinum Film. Analytical Sciences, 2016, 32, 587-591.		1.6	15
4100	Manual of Cardiovascular Proteomics. , 2016, , .			4

#	Article	IF	Citations
4101	Systems biologyâ€"opportunities and challenges: the application of proteomics to study the cardiovascular extracellular matrix. Cardiovascular Research, 2016, 112, 626-636.	3.8	27
4102	Basic Concepts in Mass Spectrometry and Protein Quantitation. , 2016, , 15-32.		0
4104	Surface-Assisted Laser Desorption Ionization Mass Spectrometry (SALDI-MS) of Low-Molecular-Weight Medicines and Toxic Materials Using Commercial TiO2 Nanoparticles. Bulletin of the Chemical Society of Japan, 2016, 89, 346-353.	3.2	11
4105	Large-Scale Metabolite Analysis of Standards and Human Serum by Laser Desorption Ionization Mass Spectrometry from Silicon Nanopost Arrays. Analytical Chemistry, 2016, 88, 8989-8996.	6.5	38
4107	Progress of Analytical Methods for Protein Cysteine Post-translational Modifications. Chinese Journal of Analytical Chemistry, 2016, 44, 1771-1779.	1.7	3
4108	Current and Emerging Technologies for the Analysis of the Genome-Wide and Locus-Specific DNA Methylation Patterns. Advances in Experimental Medicine and Biology, 2016, 945, 343-430.	1.6	22
4109	The diverse and expanding role of mass spectrometry in structural and molecular biology. EMBO Journal, 2016, 35, 2634-2657.	7.8	198
4111	Synthesis and Structural and Initial Cancer Cell Line Characterization of Organotin Polyesters from Dipicolinic Acid. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 1338-1350.	3.7	7
4112	Matrix-Assisted Plasma Atomization Emission Spectrometry for Surface Sampling Elemental Analysis. Scientific Reports, 2016, 6, 19417.	3.3	7
4113	Progress and prospects for the discovery of biomarkers for gastric cancer: a focus on proteomics. Expert Review of Proteomics, 2016, 13, 1131-1139.	3.0	11
4115	In Vivo and in Vitro Synthesis of Phosphatidylglycerol by an Escherichia coli Cardiolipin Synthase. Journal of Biological Chemistry, 2016, 291, 25144-25153.	3.4	47
4116	Fluorographene nanosheets: a new carbon-based matrix for the detection of small molecules by MALDI-TOF MS. RSC Advances, 2016, 6, 99714-99719.	3.6	21
4117	New ionization techniques in mass spectrometry. Japanese Journal of Pesticide Science, 2016, 41, 223-235.	0.0	1
4118	MALDI MS Analysis Using Liquid Matrices. Journal of the Mass Spectrometry Society of Japan, 2016, 64, 175-178.	0.1	0
4119	MALDI In-Source Decay of Protein. Mass Spectrometry, 2016, 5, A0044-A0044.	0.6	10
4120	Comparison of Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionization Using Infrared Lasers at the 3 and 6 μm Wavelength Bands. Journal of the Mass Spectrometry Society of Japan, 2016, 64, 237-243.	0.1	0
4121	Identification of Rare Bacterial Pathogens by $16S\ rRNA$ Gene Sequencing and MALDI-TOF MS. Journal of Visualized Experiments, $2016,$,.	0.3	19
4122	Molecular study of patients with auditory neuropathy. Molecular Medicine Reports, 2016, 14, 481-490.	2.4	11

#	Article	IF	CITATIONS
4123	Preparation of Homogeneous MALDI Samples for Quantitative Applications. Journal of Visualized Experiments, $2016, \ldots$	0.3	4
4124	Preparation of Homogeneous Solid Samples for Reproducible and Quantitative <scp>MALDI</scp> . Bulletin of the Korean Chemical Society, 2016, 37, 458-462.	1.9	5
4125	Carbon-Based Nanostructures for Matrix-Free Mass Spectrometry. Carbon Nanostructures, 2016, , $331-356$.	0.1	2
4126	Green tea-synthesized magnetic nanoparticles accelerate the microwave digestion of proteins analyzed by MALDI-TOF-MS. Journal of the Iranian Chemical Society, 2016, 13, 1723-1732.	2.2	1
4127	Antimicrobial Perspectives for Graphene-Based Nanomaterials. , 2016, , 45-58.		1
4128	Graphene nanosheet mediated MALDI-MS (GN-MALDI-MS) for rapid, in situ detection of intact incipient biofilm on material surfaces. Materials Science and Engineering C, 2016, 66, 285-296.	7.3	6
4129	Hydrogen Attachment/Abstraction Dissociation (HAD) of Gas-Phase Peptide Ions for Tandem Mass Spectrometry. Analytical Chemistry, 2016, 88, 3810-3816.	6.5	31
4130	Novel Acoustic Loading of a Mass Spectrometer: Toward Next-Generation High-Throughput MS Screening. Journal of the Association for Laboratory Automation, 2016, 21, 19-26.	2.8	77
4131	Identification of a Tsal152–75 salivary synthetic peptide to monitor cattle exposure to tsetse flies. Parasites and Vectors, 2016, 9, 149.	2.5	7
4132	Analysis and characterisation of bovine oocyte and embryo biomarkers by matrix-assisted desorption ionisation mass spectrometry imaging. Reproduction, Fertility and Development, 2016, 28, 293.	0.4	15
4133	The Development of Time-of-Flight Mass Spectrometry. , 2016, , 34-42.		1
4134	Recent progress in application of carbon nanomaterials in laser desorption/ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 2861-2873.	3.7	57
4135	Exploration of Microplasma Probe Desorption/Ionization Mass Spectrometry (MPPDI-MS) for Biologically Related Analysis. Analytical Chemistry, 2016, 88, 1667-1673.	6.5	10
4136	Analysis of the molecular weight distribution of vacuum residues and their molecular distillation fractions by laser desorption ionization mass spectrometry. Fuel, 2016, 171, 247-252.	6.4	20
4137	Thermal and optical studies of NLO active single crystal: Nicotinic l-tartaric. Optik, 2016, 127, 2946-2949.	2.9	0
4138	Recent advances in inorganic materials for LDI-MS analysis of small molecules. Analyst, The, 2016, 141, 2816-2826.	3.5	79
4139	A method of coupling the Paternò–Büchi reaction with direct infusion ESI-MS/MS for locating the C bond in glycerophospholipids. Analyst, The, 2016, 141, 3696-3704.	3.5	65
4140	Highly efficient gold nanorods assisted laser phototherapy for rapid treatment on mice wound infected by pathogenic bacteria. Journal of Industrial and Engineering Chemistry, 2016, 36, 49-58.	5.8	19

#	Article	IF	CITATIONS
4141	Quantitative MALDI MS Using Ionic Liquid Matrices. , 2016, , 77-90.		2
4142	Can Nonpolar Polyisobutylenes be Measured by Electrospray Ionization Mass Spectrometry? Anion-Attachment Proved to be an Appropriate Method. Journal of the American Society for Mass Spectrometry, 2016, 27, 432-442.	2.8	4
4143	Small molecule MALDI MS imaging: Current technologies and future challenges. Methods, 2016, 104, 127-141.	3.8	63
4144	Membrane Protein Analyses Using Alkylated Trihydroxyacetophenone (ATHAP) as a MALDI Matrix. Analytical Chemistry, 2016, 88, 1688-1695.	6.5	10
4145	High-Molecular-Weight Proanthocyanidins in Foods: Overcoming Analytical Challenges in Pursuit of Novel Dietary Bioactive Components. Annual Review of Food Science and Technology, 2016, 7, 43-64.	9.9	63
4146	Update from the Laboratory. Infectious Disease Clinics of North America, 2016, 30, 13-35.	5.1	26
4147	A direct assay of carboxyl-containing small molecules by SALDI-MS on a AgNP/rGO-based nanoporous hybrid film. Analyst, The, 2016, 141, 2712-2726.	3.5	25
4148	The Development of Matrix-Assisted Laser Desorption Ionization (MALDI) Mass Spectrometry., 2016,, 124-131.		2
4149	"Magic" Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2016, 27, 4-21.	2.8	62
4150	Matrix assisted laser desorption ionization mass spectrometry linear time-of-flight method for white wine fingerprinting and classification. Food Control, 2016, 64, 157-164.	5.5	22
4151	Proteins in Art, Archaeology, and Paleontology: From Detection to Identification. Chemical Reviews, 2016, 116, 2-79.	47.7	130
4152	Molecular histology of arteries: mass spectrometry imaging as a novel <i>ex vivo</i> tool to investigate atherosclerosis. Expert Review of Proteomics, 2016, 13, 69-81.	3.0	14
4153	Coupling Liquid MALDI MS to Liquid Chromatography. , 2016, , 65-76.		0
4154	Advances in MALDI and Laser-Induced Soft Ionization Mass Spectrometry. , 2016, , .		15
4155	MALDESI: Fundamentals, Direct Analysis, and MS Imaging. , 2016, , 169-182.		4
4156	Applications of MALDI Mass Spectrometry in Clinical Chemistry. Clinical Chemistry, 2016, 62, 134-143.	3.2	65
4157	Antibodies as means for selective mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1021, 3-13.	2.3	9
4158	Evolution of Quantitative MALDI-TOF Mass Spectrometry for Clinical Applications. Clinical Chemistry, 2016, 62, 20-23.	3.2	16

#	Article	IF	CITATIONS
4159	The application of "-omics―technologies for the classification and identification of animals. Organisms Diversity and Evolution, 2016, 16, 1-12.	1.6	49
4160	Polarity switching mass spectrometry imaging of healthy and cancerous hen ovarian tissue sections by infrared matrix-assisted laser desorption electrospray ionization (IR-MALDESI). Analyst, The, 2016, 141, 595-605.	3.5	43
4161	Parallel accumulation for 100% duty cycle trapped ion mobility-mass spectrometry. International Journal of Mass Spectrometry, 2017, 413, 168-175.	1.5	59
4162	A timeline of stable isotopes and mass spectrometry in the life sciences. Mass Spectrometry Reviews, 2017, 36, 58-85.	5.4	61
4163	MALDI-MS of drugs: Profiling, imaging, and steps towards quantitative analysis. Applied Spectroscopy Reviews, 2017, 52, 73-99.	6.7	11
4164	Laser induced post-desolvation of MALDI clusters. International Journal of Mass Spectrometry, 2017, 416, 29-36.	1.5	9
4165	Fabrication of Nanostructured Mesoporous Germanium for Application in Laser Desorption lonization Mass Spectrometry. ACS Applied Materials & Spectrometry. Spectrometry. ACS Applied Materials & Spectrometry. Spectrometry. Spectrometry. ACS Applied Materials & Spectrometry. ACS Applied Materials	8.0	21
4166	Space focusing extensively spread ions in time-of-flight mass spectrometry by nonlinear ion acceleration. International Journal of Mass Spectrometry, 2017, 414, 65-69.	1.5	3
4168	Direct MALDIâ€MS analysis of the disulfide bonds in peptide using thiosalicylic acid as a reactive matrix. Journal of Mass Spectrometry, 2017, 52, 127-131.	1.6	3
4169	A Preliminary Investigation Into the Characterization of Asphaltenes Extracted From an Oil Sand and Two Vacuum Residues From Petroleum Refining Using Nuclear Magnetic Resonance, DEPT, and MALDI-TOF. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	2.3	17
4170	Light-emitting silicon nanowires obtained by metal-assisted chemical etching. Semiconductor Science and Technology, 2017, 32, 043004.	2.0	39
4171	Reduction of the supply current of single-flux-quantum time-to-digital converters by current recycling techniques. IEEE Transactions on Applied Superconductivity, 2017, , 1-1.	1.7	17
4172	N-doped graphene quantum dots as a novel highly-efficient matrix for the analysis of perfluoroalkyl sulfonates and other small molecules by MALDI-TOF MS. Analytical Methods, 2017, 9, 2014-2020.	2.7	16
4174	The Application of Proteomics to Traumatic Brain and Spinal Cord Injuries. Current Neurology and Neuroscience Reports, 2017, 17, 23.	4.2	22
4175	Systemic effects of ionizing radiation at the proteome and metabolome levels in the blood of cancer patients treated with radiotherapy: the influence of inflammation and radiation toxicity. International Journal of Radiation Biology, 2017, 93, 683-696.	1.8	50
4176	New approaches to laser desorption/ionization of chemical compounds for geochemical studies. Geochemistry International, 2017, 55, 19-26.	0.7	0
4177	Mass spectrometry for the discovery of biomarkers of sepsis. Molecular BioSystems, 2017, 13, 648-664.	2.9	72
4178	Low-temperature plasma (LTP) jets for mass spectrometry (MS): Ion processes, instrumental set-ups, and application examples. TrAC - Trends in Analytical Chemistry, 2017, 89, 133-145.	11.4	44

#	Article	IF	CITATIONS
4179	High-resolution AP-SMALDI mass spectrometry imaging of Drosophila melanogaster. International Journal of Mass Spectrometry, 2017, 416, 1-19.	1.5	25
4180	Toward biotechnology in space: High-throughput instruments for in situ biological research beyond Earth. Biotechnology Advances, 2017, 35, 905-932.	11.7	48
4181	Laser-Induced Acoustic Desorption/Electron Ionization of Amino Acids and Small Peptides. Journal of the American Society for Mass Spectrometry, 2017, 28, 1091-1098.	2.8	7
4182	Selfâ€Targeting, Immune Transparent Plasma Protein Coated Nanocomplex for Noninvasive Photothermal Anticancer Therapy. Advanced Healthcare Materials, 2017, 6, 1700181.	7.6	36
4183	Unravelling the mysteries of sub-second biochemical processes using time-resolved mass spectrometry. Analyst, The, 2017, 142, 1640-1653.	3.5	5
4185	The influence of polydopamine coating on gold nanorods for laser desorption/ionization time-of-flight mass spectrometric analysis. Analyst, The, 2017, 142, 2372-2377.	3.5	11
4186	Fabrication of polyaniline/silver composite coating as a dual-functional platform for microextraction and matrix-free laser desorption/ionization. Talanta, 2017, 172, 155-161.	5. 5	15
4187	Assessing the Interplay between the Physicochemical Parameters of Ion-Pairing Reagents and the Analyte Sequence on the Electrospray Desorption Process for Oligonucleotides. Journal of the American Society for Mass Spectrometry, 2017, 28, 1647-1656.	2.8	28
4188	A homogeneous carbon nanosphere film-spot: For highly efficient laser desorption/ionization of small biomolecules. Carbon, 2017, 121, 343-352.	10.3	16
4189	A new approach to surface activation of porous nanomaterials using non-thermal helium atmospheric pressure plasma jet treatment. Chemical Communications, 2017, 53, 6704-6707.	4.1	11
4190	Mars Organic Molecule Analyzer (MOMA) laser desorption/ionization source design and performance characterization. International Journal of Mass Spectrometry, 2017, 422, 177-187.	1.5	40
4191	Systematic Evaluation of Protein Reduction and Alkylation Reveals Massive Unspecific Side Effects by lodine-containing Reagents. Molecular and Cellular Proteomics, 2017, 16, 1173-1187.	3.8	122
4192	Tandem mass spectrometry of laser-reduced anthraquinones for painted works and dyed cultural artifacts. International Journal of Mass Spectrometry, 2017, 421, 14-24.	1.5	5
4193	Identification of Small-Molecule Noncovalent Binders Utilizing SAMDI Technology. SLAS Discovery, 2017, 22, 1211-1217.	2.7	16
4194	Analysis of small biomolecules and xenobiotic metabolism using converted graphene-like monolayer plates and laser desorption/ionization time-of-flight mass spectrometry. Talanta, 2017, 168, 240-245.	5 . 5	5
4196	The Characterization of Laser Ablation Patterns and a New Definition of Resolution in Matrix Assisted Laser Desorption Ionization Imaging Mass Spectrometry (MALDI-IMS). Journal of the American Society for Mass Spectrometry, 2017, 28, 895-900.	2.8	10
4197	Sizing Up Protein–Ligand Complexes: The Rise of Structural Mass Spectrometry Approaches in the Pharmaceutical Sciences. Annual Review of Analytical Chemistry, 2017, 10, 25-44.	5.4	50
4198	Histology-Compatible MALDI Mass Spectrometry Based Imaging of Neuronal Lipids for Subsequent Immunofluorescent Staining. Analytical Chemistry, 2017, 89, 4685-4694.	6.5	60

#	Article	IF	CITATIONS
4199	Imaging mass spectrometry in drug development and toxicology. Archives of Toxicology, 2017, 91, 2283-2294.	4.2	90
4200	Protein identification using a nanoUHPLC-AP-MALDI MS/MS workflow with CID of multiply charged proteolytic peptides. International Journal of Mass Spectrometry, 2017, 416, 20-28.	1.5	12
4201	Structure-performance relationships of phenyl cinnamic acid derivatives as MALDI-MS matrices for sulfatide detection. Analytical and Bioanalytical Chemistry, 2017, 409, 1569-1580.	3.7	10
4202	Chemical Probes and Engineered Constructs Reveal a Detailed Unfolding Mechanism for a Solvent-Free Multidomain Protein. Journal of the American Chemical Society, 2017, 139, 534-540.	13.7	46
4203	Mass Spectrometry and Ion Mobility Characterization of Bioactive Peptide–Synthetic Polymer Conjugates. Analytical Chemistry, 2017, 89, 1170-1177.	6.5	14
4204	Nanopost array laser desorption ionization mass spectrometry (NAPA-LDI MS): Gathering moss?. TrAC - Trends in Analytical Chemistry, 2017, 97, 96-103.	11.4	12
4205	Characterization of the Ag43Cu37Zn2O alloy surface after potentiostatic polarization using LDI-TOF mass spectrometry. Corrosion Reviews, 2017, 35, 473-481.	2.0	5
4206	TGA-GC–MS quantitative analysis of phosphorus-end capped functional polymers in bulk and ultrathin films. Journal of Analytical and Applied Pyrolysis, 2017, 128, 238-245.	5.5	16
4207	Microscale differential ion mobility spectrometry for field deployable chemical analysis. TrAC - Trends in Analytical Chemistry, 2017, 97, 399-427.	11.4	29
4208	<i>N</i> â€Butylâ€4â€hydroxyâ€1,8â€naphthalimide: A new matrix for small molecule analysis by matrixâ€assister laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 1779-1784.	d 1.5	4
4209	Direct screening of enzyme activity using infrared matrixâ€assisted laser desorption electrospray ionization. Rapid Communications in Mass Spectrometry, 2017, 31, 1868-1874.	1.5	21
4210	Matrix-assisted laser desorption/ionization mass spectrometry for the analysis of polyamines in plant micro-tissues using cucurbituril as a host molecule. Analytica Chimica Acta, 2017, 987, 56-63.	5.4	11
4211	Transferring lons from Solution to the Gas Phase: The Two Basic Principles. Journal of the American Society for Mass Spectrometry, 2017, 28, 2255-2261.	2.8	13
4212	Gas-Phase Stability of Negatively Charged Organophosphate Metabolites Produced by Electrospray Ionization and Matrix-Assisted Laser Desorption/Ionization. Journal of the American Society for Mass Spectrometry, 2017, 28, 2561-2568.	2.8	10
4213	Novel Trimodal MALDI Imaging Mass Spectrometry (IMS3) at 10 Î⅓m Reveals Spatial Lipid and Peptide Correlates Implicated in Aβ Plaque Pathology in Alzheimer's Disease. ACS Chemical Neuroscience, 2017, 8, 2778-2790.	3.5	84
4214	The inherent matrix properties of lichen metabolites in matrixâ€nssisted laser desorption ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 1993-2002.	1.5	7
4215	Plasmonic Thermal Decomposition/Digestion of Proteins: A Rapid On-Surface Protein Digestion Technique for Mass Spectrometry Imaging. Analytical Chemistry, 2017, 89, 8704-8712.	6.5	8
4217	Investigation on Production of Cluster Ions Using Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Chinese Journal of Analytical Chemistry, 2017, 45, 851-855.	1.7	1

#	ARTICLE	IF	Citations
4218	Derivatization of Dextran for Multiply Charged Ion Formation and Electrospray Ionization Time-of-Flight Mass Spectrometric Analysis. Journal of the American Society for Mass Spectrometry, 2017, 28, 2201-2208.	2.8	8
4219	Laser Pulse Width Dependence and Ionization Mechanism of Matrix-Assisted Laser Desorption/Ionization. Journal of the American Society for Mass Spectrometry, 2017, 28, 2235-2245.	2.8	5
4220	IRMPD spectroscopy of metal cationized ions generated by MALDI source with graphene as the matrix. International Journal of Mass Spectrometry, 2017, 419, 37-43.	1.5	4
4221	Synthesis and Characterization, Including Cancer Cell Line Inhibition, of Group VA (Group) Tj ETQq1 1 0.784314 rg Organometallic Polymers and Materials, 2017, 27, 1627-1639.	gBT /Overl 3.7	ock 10 Tf 5 3
4222	Editorial of the PCCP themed issue on "Physical Chemistry for Life Sciences― Physical Chemistry Chemical Physics, 2017, 19, 10714-10717.	2.8	0
4224	Identifying Inhibitors of Inflammation: A Novel High-Throughput MALDI-TOF Screening Assay for Salt-Inducible Kinases (SIKs). SLAS Discovery, 2017, 22, 1193-1202.	2.7	46
4225	Continuous flow reducedâ€pressure infrared laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 1845-1850.	1.5	1
4226	Comprehensive Molecular Characterization of a Cisplatin-Specific Monoclonal Antibody. Molecular Pharmaceutics, 2017, 14, 4454-4461.	4.6	4
4227	A Dicyclic Scaffold for Programmed Monocyclic and Polycyclic Polymer Architectures. Macromolecules, 2017, 50, 8907-8915.	4.8	14
4228	MALDI-TOF MS based discrimination of coccoid green microalgae (Selenastraceae, Chlorophyta). Algal Research, 2017, 28, 151-160.	4.6	4
4229	Water-soluble Au nanoclusters for multiplexed mass spectrometry imaging. Chemical Communications, 2017, 53, 12688-12691.	4.1	9
4230	Development of an easily adaptable, high sensitivity source for inlet ionization. Analytical Methods, 2017, 9, 4971-4978.	2.7	14
4231	Imaging Mass Spectrometry – Molecular Microscopy for Biological and Clinical Research. NATO Science for Peace and Security Series A: Chemistry and Biology, 2017, , 115-132.	0.5	4
4232	Comparison of biomarker based Matrix Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry (MALDI-TOF MS) and conventional methods in the identification of clinically relevant bacteria and yeast. BMC Microbiology, 2017, 17, 128.	3.3	34
4233	MALDI mass spectrometry in medical research and diagnostic routine laboratories. International Journal of Mass Spectrometry, 2017, 416, 96-109.	1.5	12
4234	Time-of-flight mass spectrometry: Introduction to the basics. Mass Spectrometry Reviews, 2017, 36, 86-109.	5.4	77
4235	Generation of multiply charged peptides and proteins from glycerol-based matrices using lasers with ultraviolet, visible and near-infrared wavelengths and an atmospheric pressure ion source. International Journal of Mass Spectrometry, 2017, 416, 61-70.	1.5	14
4236	Fundamentals of MALDI-ToF-MS Analysis. SpringerBriefs in Applied Sciences and Technology, 2017, , .	0.4	11

#	Article	IF	CITATIONS
4237	Principles and Mechanism of MALDI-ToF-MS Analysis. SpringerBriefs in Applied Sciences and Technology, 2017, , 1-19.	0.4	8
4238	Identification of Meliatoxins in Melia azedarach Extracts Using Mass Spectrometry for Quality Control. Planta Medica, 2017, 83, 312-317.	1.3	5
4239	Matrix assisted laser desorption time of flight mass spectrometry (MALDI-TOF MS) in clinical microbiology. Journal of Microbiological Methods, 2017, 138, 20-29.	1.6	178
4240	Multidimensional Mass Spectrometry of Synthetic Polymers and Advanced Materials. Angewandte Chemie - International Edition, 2017, 56, 1452-1464.	13.8	89
4241	Mehrdimensionale Massenspektrometrie von synthetischen Polymeren und modernen Materialien. Angewandte Chemie, 2017, 129, 1474-1487.	2.0	4
4242	Electro-kinetic assisted electrospray ionization for enhanced complex sample analysis. Talanta, 2017, 164, 45-51.	5. 5	8
4243	Generation of doubly charged species from small synthetic polymers in a high pressure MALDI source. International Journal of Mass Spectrometry, 2017, 416, 46-52.	1.5	8
4244	Exploring Oxidative Reactions in Hemoglobin Variants Using Mass Spectrometry: Lessons for Engineering Oxidatively Stable Oxygen Therapeutics. Antioxidants and Redox Signaling, 2017, 26, 777-793.	5.4	13
4245	Effect of metal surfaces on matrix-assisted laser desorption/ionization analyte peak intensities. European Journal of Mass Spectrometry, 2017, 23, 287-299.	1.0	2
4246	Gold nanoislands chip for laser desorption/ionization (LDI) mass spectrometry. Biochip Journal, 2017, 11, 246-254.	4.9	13
4247	A Complex Lens for a Complex Eye. Integrative and Comparative Biology, 2017, 57, 1071-1081.	2.0	8
4248	Desorption/Ionization for Biomolecular Analysis. Journal of the Mass Spectrometry Society of Japan, 2017, 65, 7-10.	0.1	0
4249	Sensitive and Structure-Informative <i>N</i> -Glycosylation Analysis by MALDI-MS; Ionization, Fragmentation, and Derivatization. Mass Spectrometry, 2017, 6, A0060-A0060.	0.6	22
4250	Cereal Crop Proteomics: Systemic Analysis of Crop Drought Stress Responses Towards Marker-Assisted Selection Breeding. Frontiers in Plant Science, 2017, 8, 757.	3.6	131
4251	Effects of Dl-3-n-butylphthalide on Cerebral Ischemia Infarction in Rat Model by Mass Spectrometry Imaging. International Journal of Molecular Sciences, 2017, 18, 2451.	4.1	23
4252	Mechanisms of Nanophase-Induced Desorption in LDI-MS. A Short Review. Nanomaterials, 2017, 7, 75.	4.1	66
4253	Nanomaterials as Assisted Matrix of Laser Desorption/Ionization Time-of-Flight Mass Spectrometry for the Analysis of Small Molecules. Nanomaterials, 2017, 7, 87.	4.1	80
4254	Mapping Postâ€Transcriptional Modifications onto Transfer Ribonucleic Acid Sequences by Liquid Chromatography Tandem Mass Spectrometry. Biomolecules, 2017, 7, 21.	4.0	29

#	Article	IF	CITATIONS
4255	N-Glycoprofiling Analysis for Carbohydrate Composition and Site-Occupancy Determination in a Poly-Glycosylated Protein: Human Thyrotropin of Different Origins. International Journal of Molecular Sciences, 2017, 18, 131.	4.1	4
4256	Integrating Pharmacoproteomics into Early-Phase Clinical Development: State-of-the-Art, Challenges, and Recommendations. International Journal of Molecular Sciences, 2017, 18, 448.	4.1	15
4257	2.2 Protein-Engineered Biomaterials: Synthesis and Characterization \hat{a}^{-} 1., 2017, , 18-40.		0
4258	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry: Mechanistic Studies and Methods for Improving the Structural Identification of Carbohydrates. Mass Spectrometry, 2017, 6, S0072-S0072.	0.6	23
4259	Observing Proton Transfer Reactions Inside the MALDI Plume: Experimental and Theoretical Insight into MALDI Gas-Phase Reactions. Journal of the American Society for Mass Spectrometry, 2017, 28, 1676-1686.	2.8	23
4261	Mass-Remainder Analysis (MARA): a New Data Mining Tool for Copolymer Characterization. Analytical Chemistry, 2018, 90, 3892-3897.	6.5	21
4262	Negative ion laser desorption/ionization timeâ€ofâ€flight mass spectrometric analysis of small molecules by using nanostructured substrate as matrices. Mass Spectrometry Reviews, 2018, 37, 681-696.	5.4	60
4263	Origins, Technological Development, and Applications of Peptidomics. Methods in Molecular Biology, 2018, 1719, 3-39.	0.9	44
4264	Biochemical Properties of α-Amylase from Midgut of Alphitobius diaperinus (Panzer) (Coleoptera:) Tj ETQq0 0 0	rgBT/Ove	rlogk 10 Tf 50
4265	Soft Picosecond Infrared Laser Extraction of Highly Charged Proteins and Peptides from Bulk Liquid Water for Mass Spectrometry. Analytical Chemistry, 2018, 90, 4422-4428.	6.5	13
4265 4266	Soft Picosecond Infrared Laser Extraction of Highly Charged Proteins and Peptides from Bulk Liquid Water for Mass Spectrometry. Analytical Chemistry, 2018, 90, 4422-4428. Architecture of Polymers: Topological Structure–Properties Relationship. Review Journal of Chemistry, 2018, 8, 76-182.	6.5 1.0	13
	Water for Mass Spectrometry. Analytical Chemistry, 2018, 90, 4422-4428. Architecture of Polymers: Topological Structure–Properties Relationship. Review Journal of		
4266	Water for Mass Spectrometry. Analytical Chemistry, 2018, 90, 4422-4428. Architecture of Polymers: Topological Structure–Properties Relationship. Review Journal of Chemistry, 2018, 8, 76-182. Coupling MALDI-TOF mass spectrometry protein and specialized metabolite analyses to rapidly discriminate bacterial function. Proceedings of the National Academy of Sciences of the United States	1.0	2
4266 4267	Water for Mass Spectrometry. Analytical Chemistry, 2018, 90, 4422-4428. Architecture of Polymers: Topological Structure–Properties Relationship. Review Journal of Chemistry, 2018, 8, 76-182. Coupling MALDI-TOF mass spectrometry protein and specialized metabolite analyses to rapidly discriminate bacterial function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4981-4986. Efficient Enrichment and Analysis of Vicinal-Diol-Containing Flavonoid Molecules Using Boronic-Acid-Functionalized Particles and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight	7.1	2 68
4266 4267 4268	Water for Mass Spectrometry. Analytical Chemistry, 2018, 90, 4422-4428. Architecture of Polymers: Topological Structure–Properties Relationship. Review Journal of Chemistry, 2018, 8, 76-182. Coupling MALDI-TOF mass spectrometry protein and specialized metabolite analyses to rapidly discriminate bacterial function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4981-4986. Efficient Enrichment and Analysis of Vicinal-Diol-Containing Flavonoid Molecules Using Boronic-Acid-Functionalized Particles and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2018, 66, 4741-4747. Mesoporous organosilica films for laser desorption/ionization mass spectrometry. Microporous and	1.0 7.1 5.2	2 68 5
4266 4267 4268 4269	Water for Mass Spectrometry. Analytical Chemistry, 2018, 90, 4422-4428. Architecture of Polymers: Topological Structureâ€"Properties Relationship. Review Journal of Chemistry, 2018, 8, 76-182. Coupling MALDI-TOF mass spectrometry protein and specialized metabolite analyses to rapidly discriminate bacterial function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4981-4986. Efficient Enrichment and Analysis of Vicinal-Diol-Containing Flavonoid Molecules Using Boronic-Acid-Functionalized Particles and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2018, 66, 4741-4747. Mesoporous organosilica films for laser desorption/ionization mass spectrometry. Microporous and Mesoporous Materials, 2018, 268, 125-130.	1.0 7.1 5.2 4.4	2 68 5
4266 4267 4268 4269 4270	Water for Mass Spectrometry. Analytical Chemistry, 2018, 90, 4422-4428. Architecture of Polymers: Topological Structure–Properties Relationship. Review Journal of Chemistry, 2018, 8, 76-182. Coupling MALDI-TOF mass spectrometry protein and specialized metabolite analyses to rapidly discriminate bacterial function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4981-4986. Efficient Enrichment and Analysis of Vicinal-Diol-Containing Flavonoid Molecules Using Boronic-Acid-Functionalized Particles and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2018, 66, 4741-4747. Mesoporous organosilica films for laser desorption/ionization mass spectrometry. Microporous and Mesoporous Materials, 2018, 268, 125-130. Ambient ionisation mass spectrometry for in situ analysis of intact proteins. Journal of Mass Spectrometry, 2018, 53, 565-578.	1.0 7.1 5.2 4.4 1.6	2 68 5 13

#	Article	IF	CITATIONS
4274	Molecular Aspects of Plant-Pathogen Interaction. , 2018, , .		28
4275	Impact of uneven sample morphology on mass resolving power in linear MALDIâ€₹OF mass spectrometry: A comprehensive theoretical investigation. Journal of Mass Spectrometry, 2018, 53, 361-368.	1.6	7
4276	Detection of α–defensin in blister fluids as potential biomarkers for bullous pemphigoid patients by matrix-assisted laser desorption ionization/time-of-flight mass spectrometry. Clinica Chimica Acta, 2018, 479, 212-218.	1.1	1
4277	Enhanced Ion Transmission Efficiency up to <i>m</i> / <i>z</i> 24 000 for MALDI Protein Imaging Mass Spectrometry. Analytical Chemistry, 2018, 90, 5090-5099.	6.5	41
4278	A binary matrix for the rapid detection and characterization of small-molecule cardiovascular drugs by MALDI-MS and MS/MS. Analytical Methods, 2018, 10, 572-578.	2.7	5
4279	Proteomics in Domestic Animals: from Farm to Systems Biology. , 2018, , .		4
4280	Peptidomics on Farm Animal Research. , 2018, , 387-420.		0
4281	The composition of liquid atmospheric pressure matrix-assisted laser desorption/ionization matrices and its effect on ionization in mass spectrometry. Analytica Chimica Acta, 2018, 1013, 43-53.	5.4	19
4282	Interactive Visual Exploration of 3D Mass Spectrometry Imaging Data Using Hierarchical Stochastic Neighbor Embedding Reveals Spatiomolecular Structures at Full Data Resolution. Journal of Proteome Research, 2018, 17, 1054-1064.	3.7	37
4283	A laser desorption ionization/matrixâ€assisted laser desorption ionization target system applicable for three distinct types of instruments (LinTOF/curved field RTOF, LinTOF/RTOF and QqRTOF) with different performance characteristics from three vendors. Rapid Communications in Mass Spectrometry, 2018, 32, 649-656.	1.5	3
4284	A simple and effective method for detecting precipitated proteins in MALDIâ^TOF MS. Analytical Biochemistry, 2018, 546, 1-4.	2.4	3
4285	Collision induced unfolding detects subtle differences in intact antibody glycoforms and associated fragments. International Journal of Mass Spectrometry, 2018, 425, 1-9.	1.5	30
4286	Proteomic-genomic adjustments and their confluence for elucidation of pathways and networks during liver fibrosis. International Journal of Biological Macromolecules, 2018, 111, 379-392.	7.5	9
4287	Combination of nano-material enrichment and dead-end filtration for uniform and rapid sample preparation in matrix-assisted laser desorption/ionization mass spectrometry. Talanta, 2018, 181, 217-223.	5.5	9
4288	Insights into the MALDI Process after Matrix Deposition by Sublimation Using 3D ToF-SIMS Imaging. Analytical Chemistry, 2018, 90, 1907-1914.	6.5	52
4289	Tailoring a nanostructured plasmonic absorber for high efficiency surface-assisted laser desorption/ionization. Physical Chemistry Chemical Physics, 2018, 20, 3424-3429.	2.8	3
4290	How can native mass spectrometry contribute to characterization of biomacromolecular higher-order structure and interactions?. Methods, 2018, 144, 3-13.	3.8	32
4291	Understanding <i>Leishmania </i> parasites through proteomics and implications for the clinic. Expert Review of Proteomics, 2018, 15, 371-390.	3.0	23

#	Article	IF	CITATIONS
4292	The ongoing evolution of laser desorption/ionization mass spectrometry: Some observations on current trends and future directions. Journal of Mass Spectrometry, 2018, 53, 525-540.	1.6	15
4294	Nanoscale gizmos $\hat{a} \in \text{``the novel fluorescent probes for monitoring protein activity. Biochemical Engineering Journal, 2018, 133, 83-95.}$	3.6	4
4295	Historical and contemporary stable isotope tracer approaches to studying mammalian protein metabolism. Mass Spectrometry Reviews, 2018, 37, 57-80.	5.4	68
4296	The quest for improved reproducibility in MALDI mass spectrometry. Mass Spectrometry Reviews, 2018, 37, 217-228.	5.4	54
4297	Mini review: Recombinant production of tailored bio-pharmaceuticals in different Bacillus strains and future perspectives. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 126, 27-39.	4.3	23
4298	Characterization of microbial mixtures by mass spectrometry. Mass Spectrometry Reviews, 2018, 37, 321-349.	5.4	27
4299	Methods for Xyloglucan Structure Analysis in Brachypodium distachyon. Methods in Molecular Biology, 2018, 1667, 65-71.	0.9	1
4300	Microfluidics-Mass Spectrometry for Cell Analysis. Integrated Analytical Systems, 2018, , 291-311.	0.4	2
4301	Native mass spectrometry for understanding dynamic protein complex. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 275-286.	2.4	20
4302	Brachypodium Genomics. Methods in Molecular Biology, 2018, , .	0.9	1
4303	Advanced bioanalytics for precision medicine. Analytical and Bioanalytical Chemistry, 2018, 410, 669-677.	3.7	14
4304	Positive and negative ion mode comparison for the determination of DNA/peptide noncovalent binding sites through the formation of "three-body―noncovalent fragment ions. European Journal of Mass Spectrometry, 2018, 24, 168-177.	1.0	4
4305	Diagnosing and Correcting Mass Accuracy and Signal Intensity Error Due to Initial Ion Position Variations in a MALDI TOFMS. Journal of the American Society for Mass Spectrometry, 2018, 29, 422-434.	2.8	12
4306	Quantitative Region-Specific DNA Methylation Analysis by the EpiTYPERâ,,¢ Technology. Methods in Molecular Biology, 2018, 1708, 515-535.	0.9	16
4307	Magnifying ion mobility spectrometry–mass spectrometry measurements for biomolecular structure studies. Current Opinion in Chemical Biology, 2018, 42, 101-110.	6.1	18
4308	Unprecedented Ionization Processes in Mass Spectrometry Provide Missing Link between ESI and MALDI. ChemPhysChem, 2018, 19, 581-589.	2.1	16
4309	Advances in rapid drug detection technology. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 81-88.	2.8	27
4310	Polymorphisms., 0,,.		7

#	Article	IF	CITATIONS
4312	Chromatographic methods for the determination of acyl-CoAs. Analytical Methods, 2018, 10, 5252-5264.	2.7	6
4315	MALDI-TOF Mass Spectrometry-Based Microbial Identification and Beyond. , 2018, , 211-234.		0
4316	IMass Time: The Future, in Future!. OMICS A Journal of Integrative Biology, 2018, 22, 679-695.	2.0	13
4317	A method of inferring the relationship between Biomedical entities through correlation analysis on text. BioMedical Engineering OnLine, 2018, 17, 155.	2.7	4
4318	Paleoproteomics: An Introduction to the Analysis of Ancient Proteins by Soft Ionisation Mass Spectrometry. Population Genomics, 2018, , 31-52.	0.5	10
4319	Cell-Type-Specific Proteomics: A Neuroscience Perspective. Proteomes, 2018, 6, 51.	3.5	29
4321	Optimisation of hydrothermal process for the fabrication of TiO _{2 nanowire matrix chip for laser desorption ionisation mass spectrometry. International Journal of Nanotechnology, 2018, 15, 598.}	0.2	0
4322	Assessing the potential of sputtered gold nanolayers in mass spectrometry imaging for metabolomics applications. PLoS ONE, 2018, 13, e0208908.	2.5	25
4324	Competition between metal cationization and protonation/reduction in MALDI process: An example of riboflavin. International Journal of Mass Spectrometry, 2018, 434, 209-214.	1.5	5
4325	Dual-Ion-Mode MALDI MS Detection of Small Molecules with the O–P,N-Doped Carbon/Graphene Matrix. ACS Applied Materials & Samp; Interfaces, 2018, 10, 37732-37742.	8.0	43
4326	Mass Spectrometry Applications in Infectious Disease and Pathogens Identification. , 2018, , 93-114.		1
4327	Copper ion production using zeolite and application to MALDI MS of small molecules. International Journal of Mass Spectrometry, 2018, 434, 179-184.	1.5	5
4328	Ionization of Submicrometer-Sized Particles by Laser-Induced Radiofrequency Plasma for Mass Spectrometric Analysis. Analytical Chemistry, 2018, 90, 13236-13242.	6.5	5
4329	Proteomics in Toxicology. , 2018, , 375-390.		0
4330	IR-MALDESI mass spectrometry imaging of underivatized neurotransmitters in brain tissue of rats exposed to tetrabromobisphenol A. Analytical and Bioanalytical Chemistry, 2018, 410, 7979-7986.	3.7	19
4331	Peptidoglycan potentiates the membrane disrupting effect of the carboxyamidated form of DMS-DA6, a Gram-positive selective antimicrobial peptide isolated from Pachymedusa dacnicolor skin. PLoS ONE, 2018, 13, e0205727.	2.5	6
4332	From Molecules to Mechanisms: Functional Proteomics and Its Application to Renal Tubule Physiology. Physiological Reviews, 2018, 98, 2571-2606.	28.8	27
4333	Gold nanoparticles for enhanced ionization and fragmentation of biomolecules using LDIâ€MS. Journal of Mass Spectrometry, 2018, 53, 1070-1077.	1.6	14

#	Article	IF	CITATIONS
4334	The matrixâ€assisted laser desorption/ionisation inâ€source decay of peptides using ion mobility enabled quadrupoleâ€timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2018, 32, 2099-2105.	1.5	3
4335	Pathological Implication of Adipocytes in AAA Development and the Rupture. Annals of Vascular Diseases, 2018, 11, 159-168.	0.5	17
4336	MALDI-TOF Commercial Platforms for Bacterial Identification. , 2018, , 47-57.		1
4337	Quality Control in MALDI-TOF MS Techniques. , 2018, , 87-99.		0
4338	Mass Spectrometry of Non-allomerized Chlorophylls a and b Derivatives from Plants. Current Organic Chemistry, 2018, 22, 842-876.	1.6	14
4339	Detergentâ€assisted sample preparation for MALDIâ€MS: Investigation of octylglucoside and docecylmaltoside for matrix crystallization, onâ€plate digestion, and trypsin activity. Journal of Mass Spectrometry, 2018, 53, 675-679.	1.6	2
4340	Structural Analysis of Phospholipid Using Hydrogen Abstraction Dissociation and Oxygen Attachment Dissociation in Tandem Mass Spectrometry. Analytical Chemistry, 2018, 90, 7230-7238.	6. 5	35
4341	Tandem Mass Spectrometry of Peptide Ions by Microwave Excited Hydrogen and Water Plasmas. Analytical Chemistry, 2018, 90, 7239-7245.	6.5	8
4342	Characterization of Long-Chain Fatty Acid as N-(4-Aminomethylphenyl) Pyridinium Derivative by MALDI LIFT-TOF/TOF Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2018, 29, 1688-1699.	2.8	19
4343	Forced dried droplet method for MALDI sample preparation. Analytica Chimica Acta, 2018, 1031, 128-133.	5.4	25
4344	Omics Approaches and Applications in Dairy and Food Processing Technology., 2018,, 271-295.		4
4345	Utilities for Mass Spectrometry Analysis of Proteins (UMSAP): Fast postâ€processing of mass spectrometry data. Rapid Communications in Mass Spectrometry, 2018, 32, 1659-1667.	1.5	2
4346	Vacuum Ultraviolet Single-Photon Postionization of Amino Acids. Applied Sciences (Switzerland), 2018, 8, 699.	2.5	5
4347	Electrospray Ionization of Polypropylene Glycol: Rayleigh-Charged Droplets, Competing Pathways, and Charge State-Dependent Conformations. Analytical Chemistry, 2018, 90, 9912-9920.	6.5	20
4348	The Cooperativity of Fe ₃ O ₄ and Metalâ€Organic Framework as Multifunctional Nanocomposites for Laser Desorption Ionization Process. Chemistry - A European Journal, 2018, 24, 9598-9605.	3.3	14
4349	Toxicoproteomics in Diagnostic Toxicology. , 2018, , 163-171.		1
4350	Region of Interest analysis using mass spectrometry imaging of mitochondrial and sarcomeric proteins in acute cardiac infarction tissue. Scientific Reports, 2018, 8, 7493.	3.3	26
4351	Characterisation of subfractions of asphaltenes extracted from an oil sand using NMR, DEPT and MALDI-TOF. Journal of Petroleum Science and Engineering, 2018, 168, 148-155.	4.2	26

#	Article	IF	CITATIONS
4352	The discovery of protein biomarkers in pre-eclampsia: the promising role of mass spectrometry. Biomarkers, 2018, 23, 609-621.	1.9	8
4353	3-Hydroxy-2-Nitrobenzoic Acid as a MALDI Matrix for In-Source Decay and Evaluation of the Isomers. Journal of the American Society for Mass Spectrometry, 2018, 29, 2227-2236.	2.8	6
4354	Recent advancements, challenges, and practical considerations in the mass spectrometry-based analytics of protein biotherapeutics: A viewpoint from the biosimilar industry. Journal of Pharmaceutical and Biomedical Analysis, 2018, 161, 214-238.	2.8	44
4355	Drug Resistance in Leishmania Parasites. , 2018, , .		3
4356	The Role of Proteomics in the Study of Drug Resistance. , 2018, , 209-245.		1
4357	Nanoparticle-based laser desorption/ionization mass spectrometric analysis of drugs and metabolites. Journal of Food and Drug Analysis, 2018, 26, 1215-1228.	1.9	49
4358	Conjugated Polymers as a New Class of Dual-Mode Matrices for MALDI Mass Spectrometry and Imaging. Journal of the American Chemical Society, 2018, 140, 11416-11423.	13.7	41
4359	Rapid Classification and Identification of Multiple Microorganisms with Accurate Statistical Significance via High-Resolution Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2018, 29, 1721-1737.	2.8	26
4360	Molecular imaging mass spectrometry for probing protein dynamics in neurodegenerative disease pathology. Journal of Neurochemistry, 2019, 151, 488-506.	3.9	34
4361	Novel ionization processes for use in mass spectrometry: â€~Squeezing' nonvolatile analyte ions from crystals and droplets. Rapid Communications in Mass Spectrometry, 2019, 33, 96-120.	1.5	26
4362	rMSIKeylon: An Ion Filtering R Package for Untargeted Analysis of Metabolomic LDI-MS Images. Metabolites, 2019, 9, 162.	2.9	2
4363	Enantiospecific Desorption Triggered by Circularly Polarized Light. Angewandte Chemie - International Edition, 2019, 58, 15685-15689.	13.8	10
4364	Graphene oxide composites for magnetic solid-phase extraction of twelve quinolones in water samples followed by MALDI-TOF MS. Analytical and Bioanalytical Chemistry, 2019, 411, 7039-7049.	3.7	32
4365	Performances of protein array platforms prepared by soft lithography and self-assemblying monolayers-approach by using SPR, ellipsometry and MALDI-MS. Journal of Molecular Structure, 2019, 1198, 126856.	3.6	2
4367	Comparison of performances of Principal Component Analysis (PCA) and Factor Analysis (FA) methods on the identification of cancerous and healthy colon tissues. International Journal of Mass Spectrometry, 2019, 445, 116204.	1.5	9
4368	Preparation of low-molecular-weight, collagen hydrolysates (peptides): Current progress, challenges, and future perspectives. Food Chemistry, 2019, 301, 125222.	8.2	139
4369	Proteomics and Leishmaniasis: Potential Clinical Applications. Proteomics - Clinical Applications, 2019, 13, e1800136.	1.6	14
4370	Mass Spectrometry- and Computational Structural Biology-Based Investigation of Proteins and Peptides. Advances in Experimental Medicine and Biology, 2019, 1140, 265-287.	1.6	7

#	Article	IF	CITATIONS
4371	Proteomic Advances in Glial Tumors through Mass Spectrometry Approaches. Medicina (Lithuania), 2019, 55, 412.	2.0	11
4373	Atmospheric Pressure Ultraviolet Laser Desorption and Ionization from Liquid Samples for Native Mass Spectrometry. Analytical Chemistry, 2019, 91, 14192-14197.	6.5	6
4374	Classification and Identification Tasks in Microbiology: Mass Spectrometric Methods Coming to the Aid. Microbiology, 2019, 88, 534-547.	1.2	1
4375	Ins and Outs of Interpreting Lipidomic Results. Journal of Molecular Biology, 2019, 431, 5039-5062.	4.2	9
4379	Effect of polymeric diisocyanate addition on bonding performance of a demethylated-pyrolysis-oil-based adhesive. Wood Science and Technology, 2019, 53, 1311-1337.	3.2	3
4380	Sialic acid derivatization for glycan analysis by mass spectrometry. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2019, 95, 523-537.	3.8	41
4381	Hydrolyzed Collagen—Sources and Applications. Molecules, 2019, 24, 4031.	3.8	250
4382	Novel Techniques in Histologic Research: Morphometry and Mass Spectrometry Imaging. , 2019, , .		0
4383	Improved MALDIâ€MS method for the highly sensitive and reproducible detection of biomarker peaks for the proteotyping of <scp><i>Salmonella</i></scp> serotypes. Journal of Mass Spectrometry, 2019, 54, 966-975.	1.6	5
4386	Recent advances in nanostructure/nanomaterial-assisted laser desorption/ionization mass spectrometry of low molecular mass compounds. Analytica Chimica Acta, 2019, 1090, 1-22.	5.4	52
4387	Spectroscopic Evidence for Lactam Formation in Terminal Ornithine b ₂ ⁺ and b ₃ ⁺ Fragment Ions. Journal of the American Society for Mass Spectrometry, 2019, 30, 1565-1577.	2.8	2
4388	The path of biomolecular mass spectrometry into open research. Nature Communications, 2019, 10, 4029.	12.8	1
4389	Orbitrap journey: taming the ion rings. Nature Communications, 2019, 10, 3743.	12.8	19
4390	The ever expanding scope of electrospray mass spectrometry—a 30 year journey. Nature Communications, 2019, 10, 3744.	12.8	25
4391	Proteomic tools and new insights for the study of B-cell precursor acute lymphoblastic leukemia. Hematology, 2019, 24, 637-650.	1.5	2
4392	Fourier transform ion cyclotron resonance mass spectrometry and laser: A versatile tool. , 2019, , 281-322.		6
4393	Fundamentals of two dimensional Fourier transform mass spectrometry., 2019,, 187-232.		0
4394	Rapid and Definitive Analysis of In Vitro DNA Methylation by Nano-electrospray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 2335-2346.	2.8	3

#	Article	IF	CITATIONS
4396	Recent advances in snake venom proteomics research in India: a new horizon to decipher the geographical variation in venom proteome composition and exploration of candidate drug prototypes. Journal of Proteins and Proteomics, 2019, 10, 149-164.	1.5	23
4397	Amorphous Conjugated Polymers as Efficient Dualâ€Mode MALDI Matrices for Lowâ€Molecularâ€Weight Analytes. ChemPlusChem, 2019, 84, 1338-1345.	2.8	7
4398	Tabletop extreme ultraviolet timeâ€ofâ€flight spectrometry for trace analysis of high ionization energy samples. Rapid Communications in Mass Spectrometry, 2019, 33, 1196-1206.	1.5	3
4399	General Mechanism of C _{î±} –C Peptide Backbone Bond Cleavage in Matrix-Assisted Laser Desorption/Ionization In-Source Decay Mediated by Hydrogen Abstraction. Journal of the American Society for Mass Spectrometry, 2019, 30, 1491-1502.	2.8	8
4400	A laser ablation resonance ionisation mass spectrometer (LA-RIMS) for the detection of isotope ratios of uranium at ultra-trace concentrations from solid particles and solutions. Journal of Analytical Atomic Spectrometry, 2019, 34, 1630-1638.	3.0	6
4401	Recrystallization of dried droplets using acetonitrile to improve surface homogeneity in matrixâ€assisted laser desorption/ionization mass spectrometric analysis with 2,5â€dihydroxybenzoic acid matrix. Rapid Communications in Mass Spectrometry, 2019, 33, 1481-1484.	1.5	5
4402	Recent applications of metal–organic frameworks in matrix-assisted laser desorption/ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 4509-4522.	3.7	12
4403	MALDI-MS: Emerging roles in pathology and laboratory medicine. Clinical Mass Spectrometry, 2019, 13, 1-4.	1.9	6
4404	Proteomic Approaches to Decipher Mechanisms Underlying Pathogenesis in Multiple Sclerosis Patients. Proteomics, 2019, 19, e1800335.	2.2	11
4405	Comparative Analysis of Soluble Proteins in Four Medicinal Aloe Species by Two-Dimensional Electrophoresis and MALDI-TOF-MS. Journal of AOAC INTERNATIONAL, 2019, 102, 748-760.	1.5	3
4406	Protein Mass Spectrometry: Structural Characterization and Clinical Diagnosis. CheM, 2019, 5, 1019-1022.	11.7	3
4407	Selection of Internal Standards for Quantitative Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Analysis Based on Correlation Coefficients. ACS Omega, 2019, 4, 8249-8254.	3.5	8
4409	Fundamental Studies of New Ionization Technologies and Insights from IMS-MS. Journal of the American Society for Mass Spectrometry, 2019, 30, 1133-1147.	2.8	17
4410	Soft Matrix–Assisted Laser Desorption/Ionization for Labile Glycoconjugates. Journal of the American Society for Mass Spectrometry, 2019, 30, 1455-1463.	2.8	12
4411	Three dimensional secondary ion mass spectrometry imaging (3D-SIMS) of <i>Aedes aegypti</i> ovarian follicles. Journal of Analytical Atomic Spectrometry, 2019, 34, 874-883.	3.0	22
4412	Mass spectrometry strategies to unveil modified aminophospholipids of biological interest. Mass Spectrometry Reviews, 2019, 38, 323-355.	5.4	5
4413	Water wire clusters in isostructural Cu(II) and Ni(II) complexes: Synthesis, characterization, and thermal analyses. Inorganica Chimica Acta, 2019, 492, 268-274.	2.4	2
4414	PITDI: A novel protein identification algorithm for tandem mass spectrometry based on target-decoy matching information. AIP Conference Proceedings, 2019, , .	0.4	0

#	Article	IF	CITATIONS
4415	Automatic 3D Nonlinear Registration of Mass Spectrometry Imaging and Magnetic Resonance Imaging Data. Analytical Chemistry, 2019, 91, 6206-6216.	6.5	45
4416	Low-molecular-weight materials from heavily roasted barley and malt with strong foam-stabilising potential. Journal of the Institute of Brewing, 2019, 125, 39-46.	2.3	3
4417	A Method for Defining the Position of Ion Formation in a MALDI TOFMS by Analysis of the Laser Image on the Sample Surface. Journal of the American Society for Mass Spectrometry, 2019, 30, 489-500.	2.8	1
4418	Photodissociation Spectroscopy of Hydrated Myoglobin Ions Isolated by IR-laser Ablation of a Droplet Beam: Recovery from pH-denatured Structure by Gas-phase Isolation. Chemistry Letters, 2019, 48, 140-143.	1.3	10
4419	Protein-protein crosslinking in food: Proteomic characterisation methods, consequences and applications. Trends in Food Science and Technology, 2019, 86, 217-229.	15.1	41
4421	Role of Proteomics in the Study of Trypanosoma cruzi Biology. , 2019, , .		1
4424	Enantiospecific Desorption Triggered by Circularly Polarized Light. Angewandte Chemie, 2019, 131, 15832-15836.	2.0	4
4425	Rapid deconvolution of low-resolution time-of-flight data using Bayesian inference. Journal of Chemical Physics, 2019, 151, 244307.	3.0	0
4426	Direct identification of forensic body fluids by MALDI-MS. Analyst, The, 2019, 144, 7017-7023.	3.5	20
4427	Mass Spectrometry as a Workhorse for Preclinical Drug Discovery: Special Emphasis on Drug Metabolism and Pharmacokinetics. , 2019, , .		0
4428	Unraveling a self-assembling mechanism of isomeric aminothiophenol on Ag dendrite by correlated SERS and matrix-free LDI-MS. Analytical and Bioanalytical Chemistry, 2019, 411, 8081-8089.	3.7	4
4430	Proteases Immobilization for In Situ Time-Limited Proteolysis on MALDI Chips. Catalysts, 2019, 9, 833.	3.5	2
4431	Application of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging for Food Analysis. Foods, 2019, 8, 633.	4.3	32
4432	Neutralization of insulin by photocleavage under high vacuum. Chemical Communications, 2019, 55, 12507-12510.	4.1	5
4433	Laser desorption/ionization mass spectrometry-based compositional analysis of Au–Ag nanoplates synthesized by galvanic replacement and their application for small molecule analysis. Journal of Industrial and Engineering Chemistry, 2019, 71, 318-326.	5.8	5
4434	Discrimination of cancerous and healthy colon tissues: A new laserâ€based method. Lasers in Surgery and Medicine, 2019, 51, 363-369.	2.1	3
4435	Quantitative MALDI-TOF mass spectrometric analysis of biocidal polyhexamethylene guanidine (PHMC) oligomers in consumer products. International Journal of Mass Spectrometry, 2019, 435, 298-304.	1.5	6
4436	Magnetic metal-organic framework nanocomposites for enrichment and direct detection of environmental pollutants by negative-ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Talanta, 2019, 194, 329-335.	5.5	22

#	Article	IF	CITATIONS
4438	Proteomics in the Study of Liver Diseases. , 2019, , 165-193.		4
4439	Proteomics and Penicillium chrysogenum: Unveiling the secrets behind penicillin production. Journal of Proteomics, 2019, 198, 119-131.	2.4	21
4440	A Moldy Application of MALDI: MALDI-ToF Mass Spectrometry for Fungal Identification. Journal of Fungi (Basel, Switzerland), 2019, 5, 4.	3.5	102
4441	Imaging of protein distribution in tissues using mass spectrometry: An interdisciplinary challenge. TrAC - Trends in Analytical Chemistry, 2019, 112, 13-28.	11.4	37
4442	An auxiliary matrix for routine analysis of small molecules and biological macromolecules using matrix-assisted laser desorption ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 1041-1052.	3.7	7
4443	Characterization of proteins in cultural heritage using MALDI–TOF and LC–MS/MS mass spectrometric techniques. Physical Sciences Reviews, 2019, 4, .	0.8	8
4444	TiO ₂ Nanocoral Structures as Versatile Substrates for Surfaceâ€Assisted Laser Desorption/Ionization Mass Spectrometry. ChemNanoMat, 2019, 5, 447-455.	2.8	7
4445	Tissue Imaging by Mass Spectrometry: A Practical Guide for the Medicinal Chemist. ACS Medicinal Chemistry Letters, 2019, 10, 161-167.	2.8	6
4446	Chemical Analysis of Single Cells. Analytical Chemistry, 2019, 91, 588-621.	6.5	82
4447	Translating <i>Nâ€</i> Glycan Analytical Applications into Clinical Strategies for Ovarian Cancer. Proteomics - Clinical Applications, 2019, 13, e1800099.	1.6	14
4448	Omics in Diabetic Kidney Disease. , 2019, , 487-513.		2
4449	An EMâ€type approach for classification of bivariate MALDIâ€MS data and identification of high fertility markers. Environmetrics, 2019, 30, e2544.	1.4	1
4451	Laser desorption ionization mass spectrometry: Recent progress in matrixâ€free and labelâ€assisted techniques. Mass Spectrometry Reviews, 2019, 38, 3-21.	5.4	49
4452	A membrane separation technique for optimizing sample preparation of MALDI-TOF MS detection. Chinese Chemical Letters, 2019, 30, 95-98.	9.0	16
4453	Application of lipidomics in bivalve aquaculture, a review. Reviews in Aquaculture, 2020, 12, 678-702.	9.0	21
4454	Proteomic Analyses. , 2020, , 69-74.		1
4455	Quantitative MALDI-MS/MS assay for serum cortisol through charged derivatization. Journal of Pharmaceutical and Biomedical Analysis, 2020, 178, 112912.	2.8	5
4456	Weighing synthetic polymers of ultraâ€high molar mass and polymeric nanomaterials: What can we learn from charge detection mass spectrometry?. Rapid Communications in Mass Spectrometry, 2020, 34, e8539.	1.5	19

#	Article	IF	CITATIONS
4457	Top-down mass spectrometry for protein molecular diagnostics, structure analysis, and biomarker discovery., 2020,, 313-326.		5
4458	Peptide science: A "rule model―for new generations of peptidomimetics. Acta Biomaterialia, 2020, 102, 35-74.	8.3	24
4459	DFT Study of Lâ€Cysteine Fragmentation Route using a Novel Protocol. ChemistrySelect, 2020, 5, 439-447.	1.5	3
4460	Ion desorption efficiency and internal energy transfer in polymeric electrospun nanofiber-based surface-assisted laser desorption/ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 923-931.	3.7	6
4461	Progress in proteomic profiling of horticultural commodities during postharvest handling and storage: A review. Scientia Horticulturae, 2020, 261, 108996.	3.6	21
4462	The cationization of synthetic polymers in matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry: Investigations of the saltâ€toâ€analyte ratio. Rapid Communications in Mass Spectrometry, 2020, 34, e8630.	1.5	6
4463	Atmospheric-Pressure MALDI Mass Spectrometry Imaging at 213 nm Laser Wavelength. Journal of the American Society for Mass Spectrometry, 2020, 31, 326-335.	2.8	11
4464	Fe3O4-assisted laser desorption ionization mass spectrometry for typical metabolite analysis and localization: Influencing factors, mechanisms, and environmental applications. Journal of Hazardous Materials, 2020, 388, 121817.	12.4	16
4465	Ablation controlled laser desorption/ionization mass spectrometry by using improved transmission geometry. Chemical Physics Letters, 2020, 738, 136892.	2.6	0
4466	Proteomic biomarkers in vitreoretinal disease. , 2020, , 247-254.		0
4468	Advances in venomics: Modern separation techniques and mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1160, 122352.	2.3	16
4469	Direct analysis of olive oil and other vegetable oils by mass spectrometry: A review. TrAC - Trends in Analytical Chemistry, 2020, 132, 116046.	11.4	25
4470	Ultraviolet-Laser-Induced Electron Transfer from Peptides to an Oxidizing Matrix: Study of the First Step of MALDI In-Source Decay Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 1918-1926.	2.8	5
4471	Clinical mass spectrometry and its applications in traumatic brain injuries., 2020,, 265-293.		1
4472	Polydopamine-Modified TS-1 Zeolite Framework Nanoparticles as a Matrix for the Analysis of Small Molecules by MALDI-TOF MS. ACS Omega, 2020, 5, 19952-19959.	3.5	4
4473	MODERN PLASMAâ€BASED DESORPTION/IONIZATION: FROM ATOMS AND MOLECULES TO CHEMICAL SYNTHESIS. Mass Spectrometry Reviews, 2021, 40, 609-627.	5.4	2
4474	Surface Siloxane-Modified Silica Materials Combined with Metal–Organic Frameworks as Novel MALDI Matrixes for the Detection of Low-MW Compounds. ACS Applied Materials & Dete	8.0	13
4475	Addressing Cellular Heterogeneity in Cancer through Precision Proteomics. Journal of Proteome Research, 2020, 19, 3607-3619.	3.7	8

#	ARTICLE	IF	CITATIONS
4476	Massâ€Spectrometric Imaging of Electrode Surfacesâ€"a View on Electrochemical Side Reactions. Angewandte Chemie - International Edition, 2020, 59, 20428-20433.	13.8	13
4477	Massâ€Spectrometric Imaging of Electrode Surfaces—a View on Electrochemical Side Reactions. Angewandte Chemie, 2020, 132, 20608-20613.	2.0	3
4478	Metaproteomics insights into traditional fermented foods and beverages. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 2506-2529.	11.7	41
4479	Nanocompositeâ€Based Matrices in Laser Desorption/Ionization Mass Spectrometry for Smallâ€Molecule Analysis. ChemPlusChem, 2020, 85, 2419-2427.	2.8	12
4482	Bacterial Identification and Monitoring Around Two-Piece Dental Implants by Matrix-Assisted Laser Desorption Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS). Journal of Laboratory Physicians, 2020, 12, 49-55.	1,1	2
4483	A brief history and spectroscopic analysis of soy isoflavones. Food Science and Biotechnology, 2020, 29, 1605-1617.	2.6	26
4484	Sub-100 $\hat{1}\frac{1}{4}$ m Spatial Resolution Ambient Mass Spectrometry Imaging of Rodent Brain with Laser Ablation Atmospheric Pressure Photoionization (LAAPPI) and Laser Ablation Electrospray Ionization (LAESI). Analytical Chemistry, 2020, 92, 13734-13741.	6.5	15
4485	MALDI-2 at Atmospheric Pressure—Parameter Optimization and First Imaging Experiments. Journal of the American Society for Mass Spectrometry, 2020, 31, 2287-2295.	2.8	14
4486	Pneumatically Sprayed Gold Nanoparticles for Mass Spectrometry Imaging of Neurotransmitters. Journal of the American Society for Mass Spectrometry, 2020, 31, 2452-2461.	2.8	17
4488	Mass Spectrometry Analysis of Intact Proteins from Crude Samples. Analytical Chemistry, 2020, 92, 12741-12749.	6.5	15
4490	Tandem Mass-Remainder Analysis of Industrially Important Polyether Polyols. Polymers, 2020, 12, 2768.	4.5	3
4491	Application of Mass Spectrometry Imaging for Visualizing Food Components. Foods, 2020, 9, 575.	4.3	34
4492	Crystalline MOF nanofilm-based SALDI-MS array for determination of small molecules. Mikrochimica Acta, 2020, 187, 326.	5.0	7
4493	Following hybridization on sensor/array platforms by using SPR, elipsometer and MALDI-MS. Nucleosides, Nucleotides and Nucleic Acids, 2020, 39, 1057-1072.	1.1	2
4494	Detection of toxins involved in foodborne diseases caused by Gramâ€positive bacteria. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 1605-1657.	11.7	51
4495	10. Characterization of proteins in cultural heritage using MALDI–TOF and LC–MS/MS mass spectrometric techniques. , 2020, , 227-250.		0
4496	Lignin Depolymerization: A Comparison of Methods to Analyze Monomers and Oligomers. ChemSusChem, 2020, 13, 4633-4648.	6.8	17
4497	Application of mass spectrometry based proteomics to understand diabetes: A special focus on interactomics. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140469.	2.3	10

#	Article	IF	CITATIONS
4498	Analysis of Complex Molecules and Their Reactions on Surfaces by Means of Cluster-Induced Desorption/Ionization Mass Spectrometry. Journal of Visualized Experiments, 2020, , .	0.3	4
4499	A portable multiple ionization source biological mass spectrometer. Analyst, The, 2020, 145, 3495-3504.	3.5	8
4500	Simultaneous Analysis of Multiple Cancer Biomarkers Using MALDI-TOF Mass Spectrometry Based on a Parylene-Matrix Chip. Journal of the American Society for Mass Spectrometry, 2020, 31, 917-926.	2.8	14
4501	Mass spectrometry as a tool to advance polymer science. Nature Reviews Chemistry, 2020, 4, 257-268.	30.2	41
4502	A Guide to Native Mass Spectrometry to determine complex interactomes of molecular machines. FEBS Journal, 2020, 287, 2428-2439.	4.7	11
4503	Potential of proteomics to probe microbes. Journal of Basic Microbiology, 2020, 60, 471-483.	3.3	11
4504	Application of Thin-Layer Chromatography-Flame Ionization Detection (TLC-FID) to Total Lipid Quantitation in Mycolic-Acid Synthesizing Rhodococcus and Williamsia Species. International Journal of Molecular Sciences, 2020, 21, 1670.	4.1	7
4505	Chemical analysis of polymers. , 2020, , 69-116.		1
4506	ORIGIN: a novel and compact Laser Desorption $\hat{a}\in$ Mass Spectrometry system for sensitive in situ detection of amino acids on extraterrestrial surfaces. Scientific Reports, 2020, 10, 9641.	3.3	24
4507	Single-Photon Ionization Mass Spectrometry Using a Vacuum Ultraviolet Femtosecond Laser. Journal of the American Society for Mass Spectrometry, 2020, 31, 1730-1737.	2.8	4
4508	From the discovery of field ionization to field desorption and liquid injection field desorption/ionization-mass spectrometry—A journey from principles and applications to a glimpse into the future. European Journal of Mass Spectrometry, 2020, 26, 241-273.	1.0	16
4509	Direct nanoimprinting of nanoporous organosilica films consisting of covalently crosslinked photofunctional frameworks. Nanoscale, 2020, 12, 21146-21154.	5.6	10
4510	Mass spectrometric analysis to unravel the venom proteome composition of Indian snakes: opening new avenues in clinical research. Expert Review of Proteomics, 2020, 17, 411-423.	3.0	25
4511	An educational guide for nanopore sequencing in the classroom. PLoS Computational Biology, 2020, 16, e1007314.	3.2	20
4512	New mass spectrometry concepts for characterization of synthetic polymers and additives. Rapid Communications in Mass Spectrometry, 2020, 34, e8768.	1.5	1
4513	Multistep Mass-Remainder Analysis and its Application in Copolymer Blends. Macromolecules, 2020, 53, 1199-1204.	4.8	8
4514	New insights into the zinc-α2-glycoprotein (ZAG) scaffold and its metal ions binding abilities using spectroscopic techniques. Life Sciences, 2020, 249, 117462.	4.3	2
4515	TUTORIAL: ION ACTIVATION IN TANDEM MASS SPECTROMETRY USING ULTRAâ€HIGH RESOLUTION INSTRUMENTATION. Mass Spectrometry Reviews, 2020, 39, 680-702.	5.4	24

#	Article	IF	CITATIONS
4516	Improvement of reflectron time-of-flight mass spectrometer for better convergence of ion beam. International Journal of Mass Spectrometry, 2020, 451, 116311.	1.5	10
4517	Development of C60-based labeling reagents for the determination of low-molecular-weight compounds by matrix assisted laser desorption ionization mass spectrometry (II): Determination of thiols in human serum. Analytica Chimica Acta, 2020, 1105, 112-119.	5.4	4
4518	Performance of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF-MS) in diagnosis of ovarian cancer: a systematic review and meta-analysis. Journal of Ovarian Research, 2020, 13, 6.	3.0	10
4519	Complementary methods for characterization of the corrosion products on the surface of Ag60Cu26Zn14 and Ag58.5Cu31.5Pd10 brazing alloys. Corrosion Reviews, 2020, 38, 111-125.	2.0	2
4520	Milk proteins: An overview., 2020,, 21-98.		35
4521	Effects of electrospray mechanisms and structural relaxation on polylactide ion conformations in the gas phase: insights from ion mobility spectrometry and molecular dynamics simulations. Physical Chemistry Chemical Physics, 2020, 22, 4193-4204.	2.8	9
4522	Advances in glycosaminoglycan detection. Molecular Genetics and Metabolism, 2020, 130, 101-109.	1.1	23
4523	Soft X-ray laser ablation for nano-scale chemical mapping microanalysis. Journal of Analytical Atomic Spectrometry, 2020, 35, 1051-1070.	3.0	8
4524	Silicon Nanocone Arrays via Pattern Transfer of Mushroomlike SiO ₂ Nanopillars for Broadband Antireflective Surfaces. ACS Applied Nano Materials, 2020, 3, 4231-4240.	5.0	19
4525	The Journey Is the Reward, a Taoist Proverb: John B. Fenn Award for Distinguished Contribution in Mass Spectrometry Lecture. Journal of the American Society for Mass Spectrometry, 2020, 31, 1327-1336.	2.8	0
4526	Mass Spectrometry-Based Protein Footprinting for Higher-Order Structure Analysis: Fundamentals and Applications. Chemical Reviews, 2020, 120, 4355-4454.	47.7	149
4527	Temperature Dependence of Desorbed Ions and Neutrals and Ionization Mechanism of Matrix-Assisted Laser Desorption/Ionization. Journal of the American Society for Mass Spectrometry, 2021, 32, 95-105.	2.8	8
4528	Probing the Effects of Heterogeneous Oxidative Modifications on the Stability of Cytochrome <i>>c/i> in Solution and in the Gas Phase. Journal of the American Society for Mass Spectrometry, 2021, 32, 73-83.</i>	2.8	8
4529	An overview of biological applications and fundamentals of new <i>inlet</i> and <i>vacuum</i> ionization technologies. Rapid Communications in Mass Spectrometry, 2021, 35, e8829.	1.5	9
4530	Cooperative dissociation of peptide backbones and sideâ€chains during matrixâ€assisted laser desorption/ionization inâ€source decay mediated by hydrogen abstraction. Journal of Mass Spectrometry, 2021, 56, e4530.	1.6	2
4531	Resolving Isomers of Star-Branched Poly(Ethylene Glycols) by IMS-MS Using Multiply Charged Ions. Journal of the American Society for Mass Spectrometry, 2021, 32, 21-32.	2.8	6
4532	Mass spectrometry–based protein identification in proteomics—a review. Briefings in Bioinformatics, 2021, 22, 1620-1638.	6.5	55
4533	Deciphering plant-microbe crosstalk through proteomics studies. Microbiological Research, 2021, 242, 126590.	5.3	19

#	Article	IF	CITATIONS
4534	Lasers for matrixâ€essisted laser desorption ionization. Journal of Mass Spectrometry, 2021, 56, e4664.	1.6	3
4535	Co-NC as adsorbent and matrix providing the ability of MALDI MS to analyze volatile compounds. Chinese Chemical Letters, 2021, 32, 62-65.	9.0	14
4536	Proteomics for the study of new biomarkers in Fabry disease: State of the art. Molecular Genetics and Metabolism, 2021, 132, 86-93.	1.1	9
4537	2-Cyano-3-(2-thienyl)acrylic Acid as a New MALDI Matrix for the Analysis of a Broad Spectrum of Analytes. Journal of the American Society for Mass Spectrometry, 2021, 32, 387-393.	2.8	2
4538	Instrumentation used in analytical pyrolysis. , 2021, , 29-84.		0
4539	Pyrene Tags for the Detection of Carbohydrates by Labelâ€Assisted Laser Desorption/Ionisation Mass Spectrometry**. ChemBioChem, 2021, 22, 1430-1439.	2.6	3
4540	Discrimination of bacteria using whole organism fingerprinting: the utility of modern physicochemical techniques for bacterial typing. Analyst, The, 2021, 146, 770-788.	3.5	33
4541	Nonprotein nitrogen and protein-derived peptides in human milk. , 2021, , 299-336.		0
4542	PDZ Sample Quality Assessment by Biochemical and Biophysical Characterizations. Methods in Molecular Biology, 2021, 2256, 89-124.	0.9	0
4543	Modern Mass Spectrometry Techniques for Oligosaccharide Structure Determination: Logically Derived Sequence Tandem Mass Spectrometry for Automatic Oligosaccharide Structural Determination., 2021,, 309-339.		2
4544	A Glimpse into Peptidomic Approach. , 2021, , 257-285.		0
4545	Primary structure and peptide mapping. , 2021, , 93-119.		0
4546	Differentiation of Fungal Destructive Behaviour of Wood by the White-Rot Fungus Fomes fomentarius by MALDI-TOF Mass Spectrometry. Journal of Renewable Materials, 2021, 9, 381-397.	2.2	6
4547	Principles of epigenetics and DNA methylation. , 2021, , 3-26.		0
4548	Plant–Insect Interaction: A Proteomic Approach in Defence Mechanism., 2021,, 57-72.		1
4549	Massenspektrometrie., 2021,, 337-372.		0
4550	Advanced Applications of MALDI-TOF: Identification and Antibiotic Susceptibility Testing., 2021, , 175-189.		1
4551	lonization sources for imaging mass spectrometry. , 2021, , 11-22.		0

#	Article	IF	CITATIONS
4552	Biological computation and computational biology: survey, challenges, and discussion. Artificial Intelligence Review, 2021, 54, 4169-4235.	15.7	7
4553	Direct Analysis in Foodomics: HRMS. , 2021, , 501-516.		2
4554	Principles of Analytical Chemistry for Toxicology. , 2021, , 455-497.		1
4555	Methods to Study Posttranslational Modification Patterns in Cytotoxic T-Cells and Cancer. Methods in Molecular Biology, 2021, 2325, 137-153.	0.9	1
4556	Improvement of biomolecular analysis in thin films using <i>in situ</i> matrix enhanced secondary ion mass spectrometry. Analyst, The, 2021, 146, 6506-6519.	3.5	5
4557	Analytical and Biochemical Perspectives of Protein O-GlcNAcylation. Chemical Reviews, 2021, 121, 1513-1581.	47.7	95
4558	Mass spectrometry of polymers. , 2021, , 305-368.		1
4559	Desorption Electrospray Ionization (DESI) of Digital Polymers: Direct Tandem Mass Spectrometry Decoding and Imaging from Materials Surfaces. Advanced Materials Technologies, 2021, 6, 2001088.	5. 8	14
4560	Exosomal Cargo May Hold the Key to Improving Reproductive Outcomes in Dairy Cows. International Journal of Molecular Sciences, 2021, 22, 2024.	4.1	5
4561	Machine-learning-enhanced time-of-flight mass spectrometry analysis. Patterns, 2021, 2, 100192.	5.9	14
4562	Liquid chromatography–tandem mass spectrometry glycoproteomic study of porcine lgG and detection of subtypes. Rapid Communications in Mass Spectrometry, 2021, 35, e9063.	1.5	1
4563	Application of Advanced Mass Spectrometry-Based Proteomics to Study Hypoxia Driven Cancer Progression. Frontiers in Oncology, 2021, 11, 559822.	2.8	12
4565	MALDI Matrices for the Analysis of Low Molecular Weight Compounds: Rational Design, Challenges and Perspectives. Chemistry - an Asian Journal, 2021, 16, 868-878.	3.3	32
4566	Quantitative MALDI-MS assay of steroid hormones in plasma based on hydroxylamine derivatization. Analytical Biochemistry, 2021, 616, 114089.	2.4	9
4567	Micro-scale technologies propel biology and medicine. Biomicrofluidics, 2021, 15, 021302.	2.4	1
4568	Interfaces with Structure Dynamics of the Workhorses from Cells Revealed through Cross-Linking Mass Spectrometry (CLMS). Biomolecules, 2021, 11, 382.	4.0	8
4569	MALDI-TOF mass spectrometry in the 21st century clinical microbiology laboratory. Enfermedades Infecciosas Y Microbiologia Clinica (English Ed), 2021, 39, 192-200.	0.3	5
4570	Femtosecond ionization mass spectrometry for chromatographic detection. Journal of Chromatography A, 2021, 1642, 462023.	3.7	8

#	Article	IF	Citations
4571	MALDI-TOF mass spectrometry in the 21st century clinical microbiology laboratory. Enfermedades Infecciosas Y MicrobiologÃa ClÃnica, 2021, 39, 192-200.	0.5	37
4572	Generation of multiply charged ions from homogeneous MALDI microcrystals. International Journal of Mass Spectrometry, 2021, 462, 116539.	1.5	6
4573	Profiling of intact blood proteins by matrixâ€assisted laser desorption/ionization mass spectrometry without the need for freezing – Dried serum spots as future clinical tools for patient screening. Rapid Communications in Mass Spectrometry, 2021, 35, e9121.	1.5	1
4574	Identification of Peptides and Proteins in Illegally Distributed Products by MALDI-TOF-MS., 0,,.		1
4575	Astrochemical Pathways to Complex Organic and Prebiotic Molecules: Experimental Perspectives for In Situ Solid-State Studies. Life, 2021, 11, 568.	2.4	8
4576	Hyperbranched and Hyperstar Polybutadienes via Anionic Self-Condensing Vinyl Copolymerization. Macromolecules, 2021, 54, 5774-5783.	4.8	11
4577	Analysing Complex Oral Protein Samples: Complete Workflow and Case Analysis of Salivary Pellicles. Journal of Clinical Medicine, 2021, 10, 2801.	2.4	1
4578	Crossâ€inking reactions in food proteins and proteomic approaches for their detection. Mass Spectrometry Reviews, 2022, 41, 861-898.	5.4	12
4579	Engineering Micro–Nanomaterials for Biomedical Translation. Advanced NanoBiomed Research, 2021, 1, 2100002.	3.6	20
4580	An Evolving Technology That Integrates Classical Methods with Continuous Technological Developments: Thin-Layer Chromatography Bioautography. Molecules, 2021, 26, 4647.	3.8	19
4581	Fullerenol as a water-soluble MALDI-MS matrix for rapid analysis of small molecules and efficient quantification of saccharin sodium in foods. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1178, 122819.	2.3	2
4582	In-Cell Labeling and Mass Spectrometry for Systems-Level Structural Biology. Chemical Reviews, 2022, 122, 7647-7689.	47.7	17
4583	Mass spectrometry based high-throughput bioanalysis of low molecular weight compounds: are we ready to support personalized medicine?. Analytical and Bioanalytical Chemistry, 2022, 414, 181-192.	3.7	3
4584	Revisiting the methods for detecting Mycobacterium tuberculosis: what has the new millennium brought thus far?. Access Microbiology, 2021, 3, 000245.	0.5	15
4585	Reactive Desorption Electrospray Ionization Mass Spectrometry To Determine Intrinsic Degradability of Poly(lactic-co-glycolic acid) Chains. Analytical Chemistry, 2021, 93, 12041-12048.	6.5	4
4586	Matrix-assisted laser desorption ionization mass spectrometry based quantitative analysis of cordycepin from Cordyceps militaris. Journal of Pharmaceutical Analysis, 2021, 11, 499-504.	5.3	4
4587	Laser Ablation Synthesis in Solution and Nebulization of Silver-109 Nanoparticles for Mass Spectrometry and Mass Spectrometry Imaging. ACS Measurement Science Au, 2022, 2, 14-22.	4.4	17
4589	Applications and continued evolution of glycan imaging mass spectrometry. Mass Spectrometry Reviews, 2023, 42, 674-705.	5.4	33

#	Article	IF	CITATIONS
4590	MALDI-TOF Mass Spectrometry Technology as a Tool for the Rapid Diagnosis of Antimicrobial Resistance in Bacteria. Antibiotics, 2021, 10, 982.	3.7	29
4591	Design of Experiments for Matrix-Assisted Laser Desorption/Ionization of Amphiphilic Poly(Ethylene) Tj ETQq1 1 0.	784314 rş	gBT /Overloc
4592	Novel attempt at discrimination of a bullet-shaped siphonophore (Family Diphyidae) using matrix-assisted laser desorption/ionization time of flight mass spectrometry (MALDI-ToF MS). Scientific Reports, 2021, 11, 19077.	3.3	2
4593	Detection of amphetamineâ€type stimulants using sample derivatization and SALDIâ€TOFâ€MS. Journal of the Chinese Chemical Society, 0, , .	1.4	1
4594	Mass Spectrometric and Bio-Computational Binding Strength Analysis of Multiply Charged RNAse S Gas-Phase Complexes Obtained by Electrospray Ionization from Varying In-Solution Equilibrium Conditions. International Journal of Molecular Sciences, 2021, 22, 10183.	4.1	5
4595	Mass Spectrometry-Based Techniques to Elucidate the Sugar Code. Chemical Reviews, 2022, 122, 7840-7908.	47.7	67
4596	Integration of Mass Spectrometry Data for Structural Biology. Chemical Reviews, 2022, 122, 7952-7986.	47.7	36
4597	Using surfactants as matrix for the matrix-assisted laser desorption/ionization time of flight mass spectrometry (MALDI-TOF-MS) of amino acids: Sodium dodecyl sulfate (SDS) and sodium octyl sulfate (SOS). Biophysical Chemistry, 2021, 278, 106667.	2.8	0
4598	Ambient desorption/ionization mass spectrometry for direct solid material analysis. TrAC - Trends in Analytical Chemistry, 2021, 144, 116420.	11.4	7
4599	MIR spectroscopy versus MALDI-ToF-MS for authenticity control of honeys from different botanical origins based on soft independent modelling by class analogy (SIMCA) – A clash of techniques?. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120225.	3.9	8
4600	Mass Spectrometric Methods. , 2022, , 438-447.		0
4601	On-chip mass spectrometric analysis in non-polar solvents by liquid beam infrared matrix-assisted laser dispersion/ionization. Analytical and Bioanalytical Chemistry, 2021, 413, 1561-1570.	3.7	5
4602	Recent advancements in glycoproteomic studies: Glycopeptide enrichment and derivatization, characterization of glycosylation in SARS CoV2, and interacting glycoproteins. Mass Spectrometry Reviews, 2022, 41, 488-507.	5.4	21
4603	TiN nanopillar-enhanced laser desorption and ionization of various analytes. Analyst, The, 2021, 146, 3454-3462.	3.5	9
4604	Novel Approaches for Detection of Bacteriophage. , 2021, , 645-656.		1
4605	Dissection of multi-protein complexes using mass spectrometry: Subunit interactions in transthyretin and retinol-binding protein complexes. Proteins: Structure, Function and Bioinformatics, 1998, 33, 3-11.	2.6	8
4610	Analysis of Biopolymers by Matrix-Assisted Laser Desorption/Ionization (MALDI) Mass Spectrometry. , 0, , 177-196.		1
4611	Electrospray Mass Spectrometry. , 0, , 213-234.		3

#	Article	IF	CITATIONS
4615	Hydrogen/deuterium exchange in mass spectrometry. Mass Spectrometry Reviews, 2018, 37, 811-853.	5.4	80
4616	Matrix-Assisted Laser Desorption/Ionization. , 2004, , 411-440.		3
4617	The Use of MassARRAY Technology for High Throughput Genotyping. Advances in Biochemical Engineering/Biotechnology, 2002, 77, 57-74.	1.1	97
4618	Analysis of complex polymers by interaction chromatography. Advances in Polymer Science, 1997, , 1-45.	0.8	67
4619	Mass Spectrometry Based Proteomics in Cancer Research. , 2010, , 117-156.		1
4620	Fundamentals of Fragmentation Matrix Assisted Laser Desorption/Ionization Mass Spectrometry. , 2008, , 329-350.		16
4621	Mass Spectrometry-Based Methods for Studying Kinetics and Dynamics in Biological Systems. Advances in Photosynthesis and Respiration, 2008, , 167-190.	1.0	13
4622	Mass Spectrometry of Antibody–Drug Conjugates in Plasma and Tissue in Drug Development. , 2013, , 279-304.		7
4624	Approaches to the Practical Use of MS/MS in a Protein Sequencing Facility. , 1996, , 245-265.		9
4625	Mass Spectrometric Identification of Proteins Isolated By Two-Dimensional Gel Electrophoresis. , 1996, , 171-202.		7
4627	Mass Spectrometry of Peptides and Proteins. , 2001, , 27-44.		1
4628	Heavy-lon and Laser-Pulse Induced Ejection of Large Organic Molecules. NATO ASI Series Series B: Physics, 1991, , 89-99.	0.2	5
4629	Plasma Desorption Mass Spectrometry â€" Achievements and Frontiers. NATO ASI Series Series B: Physics, 1991, , 7-17.	0.2	3
4630	Laser Desorption Mass Spectrometry â€" Some Technical and Mechanistic Aspects. NATO ASI Series Series B: Physics, 1991, , 211-219.	0.2	1
4631	Investigations of Matrix Isolated, (UV) Laser Induced Polymer Sublimation Using a Time-of-Flight Mass Spectrometer. NATO ASI Series Series B: Physics, 1991, , 227-234.	0.2	14
4632	Laser Desorption of Large Molecules: Mechanisms and Models. NATO ASI Series Series B: Physics, 1991, , 275-286.	0.2	5
4633	Post-Ionization of Laser-Desorbed Organics by Single-Photon Ionization. NATO ASI Series Series B: Physics, 1991, , 293-296.	0.2	2
4634	Peptide-Mass Fingerprinting as a Tool for the Rapid Identification and Mapping of Cellular Proteins., 1995, , 161-173.		6

#	Article	IF	CITATIONS
4635	Electrospray Mass Spectrometry. , 1992, , 1-35.		9
4636	The Analysis of Biomolecules by Electrospray Ionization—Mass Spectrometry and Tandem Mass Spectrometry. , 1992, , 37-98.		2
4637	Laser Ionization Mass Spectrometry. , 1994, , 269-284.		3
4638	Recent Advances in Protein Sequencing by Mass Spectrometry Introduction and Overview. , 1993, , 119-126.		2
4639	A General Strategy for the use of Mass Spectrometric Molecular Weight Information in Protein Purification and Sequence Determination., 1993,, 149-156.		8
4641	Electrospray Ionization Mass Spectrometry and Tandem Mass Spectrometry of Large Biomolecules. , 1994, , 243-286.		1
4642	Survey of Shotgun Proteomics. Methods in Molecular Biology, 2014, 1156, 3-23.	0.9	15
4643	Nanostructure Imaging Mass Spectrometry: The Role of Fluorocarbons in Metabolite Analysis and Yoctomole Level Sensitivity. Methods in Molecular Biology, 2015, 1203, 141-149.	0.9	10
4644	Interpretation of Tandem Mass Spectrometry (MSMS) Spectra for Peptide Analysis. Methods in Molecular Biology, 2015, 1348, 83-102.	0.9	6
4645	Introduction to Proteomics Technologies. Methods in Molecular Biology, 2016, 1362, 3-27.	0.9	11
4646	Genotyping of Frequent Mutations in Solid Tumors by PCR-Based Single-Base Extension and MassARRAY Analysis. Methods in Molecular Biology, 2016, 1392, 83-101.	0.9	3
4647	Introduction to Mass Spectrometry-Based Proteomics. Methods in Molecular Biology, 2020, 2051, 1-58.	0.9	9
4648	Proteomics and the Molecular Biologist. , 2003, , 3-16.		1
4649	Discovery and Identification of Sequence Polymorphisms and Mutations with MALDI-TOF MS. Methods in Molecular Biology, 2007, 366, 287-306.	0.9	22
4650	Identification of the Candida albicans Immunome During Systemic Infection by Mass Spectrometry. Methods in Molecular Biology, 2009, 470, 187-235.	0.9	5
4651	Organelle Proteomics. Methods in Molecular Biology, 2009, 519, 65-82.	0.9	8
4652	Nondenaturing Mass Spectrometry to Study Noncovalent Protein/Protein and Protein/Ligand Complexes: Technical Aspects and Application to the Determination of Binding Stoichiometries. Methods in Molecular Biology, 2008, 484, 217-243.	0.9	30
4653	Tissue Analysis with High-Resolution Imaging Mass Spectrometry. Methods in Molecular Biology, 2009, 492, 295-308.	0.9	3

#	Article	IF	CITATIONS
4654	Classical Proteomics: Two-Dimensional Electrophoresis/MALDI Mass Spectrometry. Methods in Molecular Biology, 2009, 492, 65-91.	0.9	28
4655	Liquid-Chromatography-Mass Spectrometry of Thylakoid Membrane Proteins. Methods in Molecular Biology, 2009, 492, 113-130.	0.9	4
4656	iTRAQ-Labeling of In-Gel Digested Proteins for Relative Quantification. Methods in Molecular Biology, 2009, 564, 207-226.	0.9	23
4657	Structurally Selective Imaging Mass Spectrometry by Imaging Ion Mobility-Mass Spectrometry. Methods in Molecular Biology, 2010, 656, 363-383.	0.9	7
4658	In Situ Chemical Modification of Peptide Microarrays: Characterization by Desorption/Ionization on Silicon Nanowires. Methods in Molecular Biology, 2010, 669, 125-133.	0.9	2
4659	The Expanding Universe of Mass Analyzer Configurations for Biological Analysis. Methods in Molecular Biology, 2014, 1072, 61-81.	0.9	10
4660	Genotyping Technologies: Application to Biotransformation Enzyme Genetic Polymorphism Screening. Methods in Molecular Biology, 2014, 1105, 99-115.	0.9	3
4661	Protein and Peptide Sequence Analysis by Tandem Mass Spectrometry in Combination with Either Capillary Electrophoresis or Micro-Capillary HPLC. , 1991, , 257-266.		5
4662	Mass Spectrometric Analysis of Highly Acidic Polysaccharides. , 1997, , 77-89.		3
4663	Analysis of N-Glycans by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry., 1997,, 91-112.		3
4664	Chemical techniques employed for the primary structural analysis of proteins and peptides., 1995, 73, 141-171.		1
4665	MAPLE and MALDI: Theory and Experiments. Springer Series in Materials Science, 2014, , 295-323.	0.6	8
4666	Porous Silicon-Based Mass Spectrometry. , 2014, , 869-885.		2
4667	Utility of Computational Structural Biology in Mass Spectrometry. Advances in Experimental Medicine and Biology, 2014, 806, 107-128.	1.6	4
4668	Applications of Nanoparticles in Mass Spectrometry for Highly Sensitive Analysis., 2016, , 1313-1337.		1
4671	Methods and Instrumentation in Mass Spectrometry for the Differentiation of Closely Related Microorganisms. , 2016, , 13-50.		3
4672	Transcriptomics and Proteomics of Foodborne Bacterial Pathogens. , 2017, , 167-200.		1
4674	Proteogenomics to Study the Anaerobic Degradation of Aromatic Compounds and Hydrocarbons. , 2010, , 4385-4405.		8

#	Article	IF	Citations
4675	Transferring Nucleic Acids to the Gas Phase. Physical Chemistry in Action, 2014, , 21-54.	0.6	3
4676	Mass Spectrometry and the Proteome. Principles and Practice, 2001, , 1-9.	0.3	6
4677	The Basics of Matrix-Assisted Laser Desorption, Ionisation Time-of-Flight Mass Spectrometry and Post-Source Decay Analysis. Principles and Practice, 2001, , 33-53.	0.3	4
4678	Interpreting Peptide Tandem Mass-Spectrometry Fragmentation Spectra. Principles and Practice, 2001, , 143-166.	0.3	2
4679	Liquid Chromatography at the Critical Point of Adsorption. , 1999, , 119-190.		3
4680	Protein Sequencing or Genome Sequencing. Where Does Mass Spectrometry Fit into the Picture?., 2000, , 15-27.		1
4681	Elucidation of Functionally Significant Structural Modifications by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry with Post-Source Decay Analysis. , 2000, , 117-138.		2
4682	Limited Proteolysis in the Study of Protein Conformation. , 1999, , 253-280.		15
4683	Analyse von Tensiden. Analytiker-Taschenbuch, 1999, , 251-289.	0.2	1
4684	Protein identification using mass spectrometry: A method overview. , 2007, 97, 141-170.		22
4685	Plant Glycomics: Advances and Applications. , 2015, , 299-329.		4
4686	State-of-the-Art Chemical Analyses: Xenobiotics, Plant Proteomics, and Residues in Plant Based Products. Plant Ecophysiology, 2011, , 261-306.	1.5	1
4687	Reversed-Phase HPLC of Peptides – A Valuable Sample Preparation Tool in Bottom-Up Proteomics: Separation Selectivity in Single and Multi-dimensional Separation Modes. , 2011, , 1031-1050.		2
4688	Proteomics and Cancer Research. Translational Bioinformatics, 2013, , 75-101.	0.0	1
4690	Matrix-Assisted Laser Desorption Mass Spectrometry on a Magnetic Sector Instrument Fitted With an Array Detector., 1996,, 51-60.		1
4691	Matrix-assisted laser desorption mass spectrometry of enzymatic digests of peptides and proteins. , 1994, , 262-264.		1
4692	Characterization of complex peptide/protein mixtures by matrix-assisted laser desorption mass spectrometry., 1993,, 615-617.		1
4693	Applications of matrix-assisted laser desorption mass spectrometry to protein structure problems. , 1992, , 558-559.		2

#	Article	IF	CITATIONS
4694	Laser Desorption Mass Spectrometry. Part II Performance and Applications of Matrix-Assisted Laser Desorption/Ionization of Large Biomolecules. , 1992, , 181-197.		20
4695	Fourier Transform Mass Spectrometry: Features, Principles, Capabilities, and Limitations. , 1992, , 93-116.		14
4696	Electrospray Mass Spectrometry. , 1992, , 145-163.		3
4697	Laser Desorption Mass Spectrometry. Part I: Basic Mechanisms and Techniques., 1992,, 165-179.		13
4698	Matrix-Assisted Laser Desorption-Ionization (MALDI) Mass Spectrometry: Principles and Applications. , 1997, , 33-53.		3
4699	Mass Spectrometric Methods for Biomolecular Characterization. , 1998, , 225-238.		5
4700	Mass Spectrometry-Based Protein Sequencing Platforms. Translational Bioinformatics, 2014, , 69-99.	0.0	5
4701	Microfluidics-Mass Spectrometry Combination Systems for Single-Cell Analysis. Integrated Analytical Systems, 2019, , 163-195.	0.4	2
4702	Identification and Quantification of N-Acyl Homoserine Lactones Involved in Bacterial Communication by Small-Scale Synthesis of Internal Standards and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2017, 28, 2538-2547.	2.8	15
4703	Identification of Conserved Protein Surface Metal-Binding Sites in Related Proteins by Mass Spectrometry., 1993,, 33-40.		3
4704	Distinction Between Phosphorylated and Sulfated Peptides by Matrix Assisted Laser Desorption Ionization Reflector Mass Spectrometry at the Sub Picomole Level. Techniques in Protein Chemistry, 1994, 5, 105-113.	0.3	8
4706	Design considerations in energy resolved time-of-flight mass spectrometry. , 1994, , 67-86.		1
4707	Single Nucleotide Polymorphism Analysis by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry., 2006, , 463-470.		2
4709	Operational variables in high-performance liquid chromatography–electrospray ionization mass spectrometry of peptides and proteins using poly(styrene–divinylbenzene) monoliths. Journal of Chromatography A, 2004, 1053, 107-117.	3.7	14
4710	Automated solid-phase extraction for purification of single nucleotide polymorphism genotyping products prior to matrix-assisted laser desorption/ionisation time-of-flight mass spectrometric analysis. Journal of Chromatography A, 2004, 1049, 9-16.	3.7	6
4711	Effect of solvent composition on signal intensity in liquid chromatography–matrix-assisted laser desorption ionization experiments. Journal of Chromatography A, 2004, 1053, 291-297.	3.7	1
4712	Cytochrome b560 (QPs1) of mitochondrial succinate-ubiquinone reductase. Immunochemistry, cloning, and nucleotide sequencing Journal of Biological Chemistry, 1992, 267, 24508-24515.	3.4	34
4713	The sequence and reactive site of ecotin. A general inhibitor of pancreatic serine proteases from Escherichia coli Journal of Biological Chemistry, 1991, 266, 6620-6625.	3.4	56

#	Article	IF	CITATIONS
4714	Direct peptide profiling by mass spectrometry of single identified neurons reveals complex neuropeptide-processing pattern Journal of Biological Chemistry, 1994, 269, 30288-30292.	3.4	62
4715	Identification of a major binding site for complement C3 on the IgG1 heavy chain Journal of Biological Chemistry, 1993, 268, 5866-5871.	3.4	54
4716	Structural alterations in the peptide backbone of beta-amyloid core protein may account for its deposition and stability in Alzheimer's disease Journal of Biological Chemistry, 1993, 268, 3072-3083.	3.4	691
4717	Analysis of G protein gamma subunit heterogeneity using mass spectrometry Journal of Biological Chemistry, 1994, 269, 12508-12513.	3.4	20
4718	A functional and degenerate pair of EF hands contains the very high affinity calcium-binding site of calbindin-D28K Journal of Biological Chemistry, 1993, 268, 20917-20922.	3.4	22
4719	The amino acid sequence of the sex steroid-binding protein of rabbit serum. Journal of Biological Chemistry, 1989, 264, 19066-19075.	3.4	48
4720	A site on transducin alpha-subunit of interaction with the polycationic region of cGMP phosphodiesterase inhibitory subunit Journal of Biological Chemistry, 1993, 268, 23611-23615.	3.4	45
4721	Matrix-assisted laser desorption/ionization mass spectrometry of biopolymers. Analytical Chemistry, 1991, 63, 1193A-1203A.	6.5	678
4722	Time-of-flight mass spectrometry for the structural analysis of biological molecules. Analytical Chemistry, 1992, 64, 1027A-1039A.	6.5	89
4723	Application of Graphdiyne in Surface-Assisted Laser Desorption Ionization Mass Spectrometry. ACS Applied Materials & Samp; Interfaces, 2021, 13, 1914-1920.	8.0	23
4725	Metal Oxide-Based Enrichment Combined with Gas-Phase Ion-Electron Reactions for Improved Mass Spectrometric Characterization of Protein Phosphorylation. Journal of Proteome Research, 2008, 7, 749-755.	3.7	40
4726	Hexagonal boron nitride nanosheets as a multifunctional background-free matrix to detect small molecules and complicated samples by MALDI mass spectrometry. Chemical Communications, 2017, 53, 8114-8117.	4.1	45
4727	Recent developments in pre-treatment and analytical techniques for synthetic polymers by MALDI-TOF mass spectrometry. Analytical Methods, 2020, 12, 5767-5800.	2.7	12
4728	Quantification of surface composition and segregation on AuAg bimetallic nanoparticles by MALDI MS. Nanoscale, 2020, 12, 22639-22644.	5 . 6	3
4729	Higher-order structural characterisation of native proteins and complexes by top-down mass spectrometry. Chemical Science, 2020, 11, 12918-12936.	7.4	81
4731	Hybrid methods for combined experimental and computational determination of protein structure. Journal of Chemical Physics, 2020, 153, 240901.	3.0	48
4733	Proteomics and Bioinformatics Approaches for Identification of Serum Biomarkers to Detect Breast Cancer. Clinical Chemistry, 2002, 48, 1296-1304.	3.2	780
4735	Proteomic identification and profiling of canine lymphoma patients. Veterinary and Comparative Oncology, 2009, 7, 92-105.	1.8	25

#	Article	IF	CITATIONS
4737	Detection and Structure Analysis of Modified Nucleosides in RNA by Mass Spectrometry., 0,, 47-57.		4
4738	Isolation and characterization of a heat-stable pullulanase from the hyperthermophilic archaeon Pyrococcus woesei after cloning and expression of its gene in Escherichia coli. Applied and Environmental Microbiology, 1995, 61, 567-575.	3.1	127
4739	Detection of Bacteriocins by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Applied and Environmental Microbiology, 1999, 65, 2238-2242.	3.1	29
4740	Properties of the P-Type ATPases Encoded by the <i>copAP</i> operons of <i>Helicobacter pylori</i> and <i>Helicobacter felis</i> Journal of Bacteriology, 1998, 180, 317-329.	2.2	49
4742	Surface Analysis of Biomaterials. , 2009, , 529-564.		9
4743	Handbook of Food Analysis Instruments. , 0, , .		12
4744	Detection and Quantification of Phenolic Compounds in Olive Oil, Olives, and Biological Fluids., 2008, , 55-107.		6
4745	An Appreciation and Historical Survey of Mass Spectrometry. , 2010, , 3-168.		1
4746	A Quadrupole Ion Trap/Time-of-Flight Mass Spectrometer Combined with a Vacuum Matrix-Assisted Laser Desorption Ionization Source., 2010,, 793-824.		1
4747	Chemical Derivatization and Multistage Tandem Mass Spectrometry for Protein Structural Characterization. , 2009, , 83-119.		1
4748	Electrical Stimulation of Brain Tissue with Carbon Nanofi ber Microbrush Arrays., 2012,, 54-56.		1
4750	Ethylene Oxide-Propylene Oxide block Copolymer Analysis by MALDI Spiral-TOF/TOF. Kobunshi Ronbunshu, 2012, 69, 406-415.	0.2	4
4751	Differential Expression of Salivary Proteins between Susceptible and Insecticide-Resistant Mosquitoes of Culex quinquefasciatus. PLoS ONE, 2011, 6, e17496.	2.5	21
4752	A Nano LC-MALDI Mass Spectrometry Droplet Interface for the Analysis of Complex Protein Samples. PLoS ONE, 2013, 8, e63087.	2.5	36
4753	Crosslinking Constraints and Computational Models as Complementary Tools in Modeling the Extracellular Domain of the Glycine Receptor. PLoS ONE, 2014, 9, e102571.	2.5	8
4754	Salivary Gland Proteome Analysis Reveals Modulation of Anopheline Unique Proteins in Insensitive Acetylcholinesterase Resistant Anopheles gambiae Mosquitoes. PLoS ONE, 2014, 9, e103816.	2.5	9
4755	Matrix-assisted laser desorption ionisation (MALDI) mass spectrometry (MS): basics and clinical applications. Clinical Chemistry and Laboratory Medicine, 2020, 58, 883-896.	2.3	23
4756	A Case Study on Forensic Polymer Analysis by DIOS-MS: The Suspect Who Gave Us the SLIP®. Journal of Forensic Sciences, 2004, 49, 1-8.	1.6	26

#	Article	IF	CITATIONS
4757	Mechanism of insulin emission in matrix assisted laser ionization. Brazilian Journal of Physics, 2005, 35, 170-174.	1.4	2
4758	Top-down proteomics: applications, recent developments and perspectives. Journal of Applied Bioanalysis, 2016, 2, 52-75.	0.2	7
4759	Blood group genotyping: the power and limitations of the Hemo ID Panel and MassARRAY platform. Immunohematology, 2015, 31, 75-80.	0.2	18
4760	Chips for Proteomics: A New Tool or Just Hype?. BioTechniques, 2002, 33, S4-S13.	1.8	19
4761	Mass Spectrometry Imaging in Nanomedicine: Unraveling the Potential of MSI for the Detection of Nanoparticles in Neuroscience. Current Pharmaceutical Design, 2017, 23, 1974-1984.	1.9	9
4762	Latest Advances in OBOC Peptide Libraries. Improvements in Screening Strategies and Enlarging the Family From Linear to Cyclic Libraries. Current Pharmaceutical Biotechnology, 2016, 17, 449-457.	1.6	21
4763	Towards the Molecular Foundations of Glutamatergic-targeted Antidepressants. Current Neuropharmacology, 2016, 15, 35-46.	2.9	4
4764	Proteomics Investigations of HDL: Challenges and Promise. Current Vascular Pharmacology, 2012, 10, 410-421.	1.7	57
4765	Calixarenes as New Platforms for Drug Design. Current Drug Discovery Technologies, 2009, 6, 151-170.	1.2	113
4766	Conformational Differences Unfold a Wide Range of Enterotoxigenic Abilities Exhibited by rNSP4 Peptides from Different Rotavirus Strains. The Open Virology Journal, 2011, 5, 124-135.	1.8	6
4767	Proteomic Analyses of Contrast Media-Treated Mesangial Cell. The Open Proteomics Journal, 2009, 2, 1-7.	0.4	2
4768	MALDI Mass Spectrometric Imaging of the Nematode <i>Caenorhabditis elegans</i> Metabolomics, 2015, 3, 130-137.	0.5	5
4769	A novel method for analyzing formalin-fixed paraffin embedded (FFPE) tissue sections by mass spectrometry imaging. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2007, 83, 205-14.	3.8	12
4770	Overview of the most commonly used methods in allergen characterization. Journal of the Serbian Chemical Society, 2005, 70, 347-360.	0.8	5
4771	Proteomics: applications in transfusion medicine. Blood Transfusion, 2008, 6, 70-85.	0.4	22
4773	Identification of proteins of human colorectal carcinoma cell line SW480 by two-dimensional electrophoresis and MALDI-TOF mass spectrometry. World Journal of Gastroenterology, 2005, 11, 4679.	3.3	7
4774	Novel translational strategies in colorectal cancer research. World Journal of Gastroenterology, 2007, 13, 5902.	3.3	3
4775	Study on the quality of recombinant proteins using matrix-assisted laser desorption ionization time of flight mass spectrometry. World Journal of Gastroenterology, 1999, 5, 235.	3.3	14

#	Article	IF	Citations
4776	Isolation and Identification of Antimicrobial Protein from Saccharomyces cerevisiae and its Efficacy Against the Human Pathogens. Research Journal of Microbiology, 2015, 10, 24-32.	0.2	1
4777	Sustainable Nanosystem Development for Mass Spectrometry. Advances in Chemical and Materials Engineering Book Series, 2017, , 535-568.	0.3	1
4778	A New Analytical Method for Oligosaccharides and Glycoconjugates Using Post-Source Decay Fragmentation by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Trends in Glycoscience and Glycotechnology, 1999, 11, 227-232.	0.1	9
4779	Mass Spectrometry of Glycoproteins. Trends in Glycoscience and Glycotechnology, 2005, 17, 193-203.	0.1	4
4780	Fragmentation of Neutral Oligosaccharides in Negative-ion MALDI Mass Spectrometry. Trends in Glycoscience and Glycotechnology, 2006, 18, 277-292.	0.1	4
4781	Optimization of the SDS-PAGE gel slicing approach for identification of human liver microsomal proteins via MALDI-TOF mass spectrometry. Journal of Proteomics and Bioinformatics, 2012, 05, .	0.4	3
4782	Tea Identification through Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. International Journal of Analytical Mass Spectrometry and Chromatography, 2013, 01, 11-21.	0.7	3
4783	Electrophoresis and spectrometric analyses of adaptation-related proteins in thermally stressed Chromobacterium violaceum. Genetics and Molecular Research, 2013, 12, 5057-5071.	0.2	5
4784	Focused Electrospray Deposition for Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. Bulletin of the Korean Chemical Society, 2010, 31, 2293-2298.	1.9	2
4785	Synthesis of Oligomeric Microbial Cyclosophoraoses as Novel Complexation Agents. Bulletin of the Korean Chemical Society, 2012, 33, 2095-2098.	1.9	6
4786	MALDI-TOF Analysis of Polyhexamethylene Guanidine (PHMG) Oligomers Used as a Commercial Antibacterial Humidifier Disinfectant. Bulletin of the Korean Chemical Society, 2013, 34, 1708-1714.	1.9	13
4787	Selective Extraction and Quantification of Glutathione using Maleimide-Presenting Gold Nanoparticles. Bulletin of the Korean Chemical Society, 2014, 35, 3047-3051.	1.9	5
4788	Sample Preparation for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Mass Spectrometry Letters, 2015, 6, 27-30.	0.5	18
4789	Quantitative Analysis of Nucleic Acids - the Last Few Years of Progress. BMB Reports, 2004, 37, 1-10.	2.4	90
4790	Proteomic Studies in Plants. BMB Reports, 2004, 37, 133-138.	2.4	53
4791	Development of Stigmatic Time-of-Flight Imaging Mass Spectrometer. Journal of the Mass Spectrometry Society of Japan, 2013, 61, 23-33.	0.1	7
4792	Analysis of Methoxymethylbenzoguanamine Resins Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Electrospray Ionization Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2003, 51, 472-476.	0.1	2
4793	A Handy Ionized Spray Source Using a Cosmetic Ionizer for ESI Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2003, 51, 477-480.	0.1	2

#	Article	IF	CITATIONS
4794	Mass Spectrometric Study of Protein Molecular Diversity-Posttranslational Modification of Liver Glutamine Synthetase in Hepatoma Journal of the Mass Spectrometry Society of Japan, 2003, 51, 504-508.	0.1	4
4795	Mass Spectrometric Analysis of Synthetic Polymers Using Desorption/Ionization on Porous Silicon (DIOS)-Optimal Etching Conditons for DIOS Chips Journal of the Mass Spectrometry Society of Japan, 2004, 52, 142-148.	0.1	7
4796	Recent Developments in Soft Laser Desorption/Ionization Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2004, 52, 33-38.	0.1	4
4797	Study of Negative-Ion MALDI-MS of Neutral Oligosaccharides: I: Linkage Isomers' Analyses by Postsource and In-Source Decay Measurements. Journal of the Mass Spectrometry Society of Japan, 2006, 54, 141-149.	0.1	4
4798	Combination of Mixed Self-Assembled Monolayer and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry, a Simple Tip-Based Screening Method for Proteomics. Journal of the Mass Spectrometry Society of Japan, 2006, 54, 187-193.	0.1	2
4799	Analytical Capability of a High Performance Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometer for Peptide Mass Fingerprinting. Journal of the Mass Spectrometry Society of Japan, 2007, 55, 173-181.	0.1	1
4800	Analysis of Insoluble Organic Pigments by Desorption/Ionization Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2009, 57, 15-22.	0.1	2
4801	Determination of Dynamic Ranges for Quantitative Analysis Using Electrospray Droplet Impact Ionization and Matrix-Assisted Laser Desorption Ionization. Journal of the Mass Spectrometry Society of Japan, 2009, 57, 81-87.	0.1	10
4802	Renaissance of Cation-Radicals in Mass Spectrometry. Mass Spectrometry, 2013, 2, S0003-S0003.	0.6	3
4803	Glioma Proteomics: Methods and Current Perspective. , 0, , .		1
	Glioma Proteomics: Methods and Current Perspective. , 0, , . A novel pH-dependent membrane peptide that binds to EphA2 and inhibits cell migration. ELife, 2018, 7, .	6.0	36
		6.0	
4804	A novel pH-dependent membrane peptide that binds to EphA2 and inhibits cell migration. ELife, 2018, 7, . The Biochemistry and Artistic studies: a novel integrated approach to the identification of		36
4804 4805	A novel pH-dependent membrane peptide that binds to EphA2 and inhibits cell migration. ELife, 2018, 7, . The Biochemistry and Artistic studies: a novel integrated approach to the identification of proteinaceous binders in polychrome artifacts. Estudos De Conservação E Restauro, 2013, 1, . Silver 109 Ag Nanoparticles for Matrix-Less Mass Spectrometry of Nucleosides and Nucleic Bases.	0.0	36
4804 4805 4806	A novel pH-dependent membrane peptide that binds to EphA2 and inhibits cell migration. ELife, 2018, 7, . The Biochemistry and Artistic studies: a novel integrated approach to the identification of proteinaceous binders in polychrome artifacts. Estudos De Conservação E Restauro, 2013, 1, . Silver 109 Ag Nanoparticles for Matrix-Less Mass Spectrometry of Nucleosides and Nucleic Bases. International Journal of Chemical Engineering and Applications (IJCEA), 2013, , 46-49. Life sciences and mass spectrometry: some personal reflections. Biological Chemistry, 2021, 402,	0.0	36
4804 4805 4806 4807	A novel pH-dependent membrane peptide that binds to EphA2 and inhibits cell migration. ELife, 2018, 7, . The Biochemistry and Artistic studies: a novel integrated approach to the identification of proteinaceous binders in polychrome artifacts. Estudos De ConservaÃsão E Restauro, 2013, 1, . Silver 109 Ag Nanoparticles for Matrix-Less Mass Spectrometry of Nucleosides and Nucleic Bases. International Journal of Chemical Engineering and Applications (IJCEA), 2013, , 46-49. Life sciences and mass spectrometry: some personal reflections. Biological Chemistry, 2021, 402, 1603-1607. Discovery, Optimization, and Clinical Application of Natural Antimicrobial Peptides. Biomedicines,	0.0 0.3 2.5	36 1 2
4804 4805 4806 4807 4808	A novel pH-dependent membrane peptide that binds to EphA2 and inhibits cell migration. ELife, 2018, 7, . The Biochemistry and Artistic studies: a novel integrated approach to the identification of proteinaceous binders in polychrome artifacts. Estudos De ConservaÃsão E Restauro, 2013, 1, . Silver 109 Ag Nanoparticles for Matrix-Less Mass Spectrometry of Nucleosides and Nucleic Bases. International Journal of Chemical Engineering and Applications (IJCEA), 2013, , 46-49. Life sciences and mass spectrometry: some personal reflections. Biological Chemistry, 2021, 402, 1603-1607. Discovery, Optimization, and Clinical Application of Natural Antimicrobial Peptides. Biomedicines, 2021, 9, 1381. Mass Spectrometry-Based Proteomics and Metaproteomics Analysis of Ancient Manuscripts. , 2021, ,	0.0 0.3 2.5	36 1 2 0 24

#	Article	IF	CITATIONS
4812	Preface: Mass spectrometry in Alzheimer disease. Journal of Neurochemistry, 2021, 159, 207-210.	3.9	1
4813	Applications of Charge Detection Mass Spectrometry in Molecular Biology and Biotechnology. Chemical Reviews, 2022, 122, 7415-7441.	47.7	45
4814	Sequence Analysis of Nucleic Acids by Mass Spectrometry., 2000,, 701-712.		0
4815	Nanospray mass spectrometry in protein and peptide chemistry., 2000, 88, 69-79.		8
4816	New approaches for innovations in sensitive Edman sequence analysis by design of a wafer-based chip sequencer., 2000, 88, 145-157.		2
4817	Mass Spectrometry of Intact Proteins from Two-Dimensional PAGE. Principles and Practice, 2000, , 233-244.	0.3	0
4818	Structure (Methods of Analysis). , 2000, , 91-106.		0
4819	Contributions to Toxicity Testing and Toxin Analysis. , 2001, , 316-353.		0
4820	Determining Structures and Analyzing Cells., 2001,, 95-159.		1
4821	Solving the MALDI-TOF-MS Automation Puzzle. Journal of the Association for Laboratory Automation, 2001, 6, 55-56.	2.8	1
4822	Analysis of Proteins by Mass Spectrometry. , 2001, , .		0
4823	Matrix-Assisted Laser Desorption Ionization/ Mass Spectrometry of Polymers (MALDI-MS)., 2001,,.		1
4824	Matrix-Assisted Laser Desorption Ionization/ Mass Spectrometry of Polymers (MALDI-MS)., 2001,,.		1
4827	2002 Nobel Laureate in Chemistry: Achievements by Mr. Koichi Tanaka reviewed from the academic/patent information. Journal of Information Processing and Management, 2002, 45, s6-s14.	0.0	0
4828	Methods for Biocatalyst Screening. Advances in Biochemical Engineering/Biotechnology, 2002, 74, 1-19.	1.1	2
4830	XPS, ToF-SIMS, and MALDI-MS for Characterizing Adsorbed Protein Films. Surfactant Science, 2003, , .	0.0	0
4831	Current Status of MALDI TOF Mass Spectrometers The Review of Laser Engineering, 2003, 31, 21-24.	0.0	0
4832	MALDI Research, The Nobel Prize in Chemistry. The Review of Laser Engineering, 2003, 31, 6-8.	0.0	0

#	Article	IF	CITATIONS
4833	Analysis of Polymeric Hydrocarbon Materials by Matrix-Assisted Laser Desorption/Ionization (Maldi) Mass Spectrometry., 2003,, 385-404.		0
4834	Genotyping by Mass Spectrometry. , 2003, 25, 1-14.		2
4835	æ~Žæ—¥ã,,MSã®é¢"ãŒå⁴ã• Newsletter of Japan Society for Comparative Endocrinology, 2003, 2003, 108_29-108	3 <u>0</u> 3.d.	0
4836	Application of a Novel Protein Chip Mass Spectrometry Technology for the Identification of Bladder Cancer-Associated Biomarkers. , 2003, 539, 47-60.		6
4838	Electrospray Tandem Mass Spectrometry in the Biochemical Genetics Laboratory. , 2003, , .		0
4839	Functional proteomics in phosphatase research. Topics in Current Genetics, 2004, , 167-184.	0.7	O
4840	An improvement of matrix-assisted laser desorption/ionization mass spectrometry using an infrared tunable free electron laser. , 2004, , 609-613.		0
4841	Increasing Throughput and Data Quality for Proteomics. Principles and Practice, 2004, , 371-397.	0.3	O
4842	Matrix-assisted Laser Desorption/Ionization. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 618-626.	0.2	0
4843	å^†å振嫕é¯åŸŸã,'用ã,ãŸãƒ¬ãƒ¼ã,¶ãƒ¼è"±é>¢ã,ã,ªãƒ³åŒ—質é‡å^†æž• Nippon Laser Igakkaishi, 2004, 25, 83-9	b.o	0
4844	Proteomics and Genomics to Detail Responses to Extracellular Stimuli. Nutrition and Disease Prevention, 2004, , 331-353.	0.1	0
4845	Mass Spectrometry Strategies for Proteomic Studies. Nutrition and Disease Prevention, 2004, , 415-448.	0.1	0
4847	Effects of Cationizing Agents on DIOS Mass Spectra of Poly(ethylene glycol)s. Journal of the Mass Spectrometry Society of Japan, 2005, 53, 265-269.	0.1	0
4848	Functional Genomics and Proteomics in Developmental and Reproductive Toxicology. , 2005, , 621-646.		0
4849	Maldi-Tof Ms. Drugs and the Pharmaceutical Sciences, 2005, , 353-387.	0.1	0
4850	Detection on Microchips. , 2005, , 433-497.		O
4851	Application of Proteomics in Basic Biological Sciences and Cancer., 2005,, 263-288.		0
4852	Profiling High-Dimensional Protein Expression Using MALDI-TOF., 2005, , 437-456.		1

#	Article	IF	CITATIONS
4853	Middle-Out Proteomics., 2005,, 387-417.		0
4854	Proteome Specific Sample Preparation Methods for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry., 2006,, 371-378.		O
4855	Toxicogenomics and Toxicoproteomics. , 2006, , 849-868.		0
4856	ãƒ^ã,ã,³ã,²ãƒŽãƒŸã,¯ã,¹ã•ã,‰ã,¨ã,³ãƒ^ã,ã,³ã,²ãƒŽãƒŸã,¯ã,¹ã¸ã®å±•é–‹. Newsletter of Japan Society for Compar	a tive Endo	octinology, 2
4857	Plant Biotechnology and Bioinformatics. Journal of Plant Biotechnology, 2006, 33, 209-222.	0.4	0
4858	Protein Ionization by Novel Mass Spectrometry Using Mid-Infrared Difference Frequency Generation Laser. The Review of Laser Engineering, 2007, 35, 382-387.	0.0	0
4859	Identification of Clock Genes Using Difference Gel Electrophoresis. Methods in Molecular Biology, 2007, 362, 265-287.	0.9	1
4860	Chapter 11. Physical and Structural Techniques Applied to Nucleic Acids., 2007, , 427-458.		0
4861	Characterization of aliphatic hyperbranched polyesters by MALDI-TOF mass spectrometry. Hemijska Industrija, 2007, 61, 333-341.	0.7	0
4862	Use of proteomics in research on periodontal disease Journal of Japanese Society of Periodontology, 2007, 49, 257-263.	0.1	O
4863	Mass Spectrometry for Studying Protein Modifications and for Discovery of Protein Interactions. , 2007, , 143-167.		0
4864	Toxicoproteomics in diagnostic toxicology. , 2007, , 1083-1090.		0
4865	The Use Of Proteomic And Bioinformatics Techniques For The Detection Of Protein Biomarkers Following Growth Hormone Administration. Internet Journal of Genomics and Proteomics, 2007, 2, .	0.1	0
4866	New Developments in Proteomics. North Carolina Medical Journal, 2007, 68, 119-122.	0.2	0
4867	Mass spectrometry in medicinal chemistry. Choice Reviews, 2007, 45, 45-2037-45-2037.	0.2	0
4868	Fundamental issues concerning material removal by laser irradiation of insulating materials. , 2008, , .		O
4869	BIOLOGY AND EPIDEMIOLOGY OF LUNG CANCER. , 2008, , 708-728.		2
4873	Mass Spectrometry and Hyphenated Instruments in Food Analysis. , 2008, , .		2

#	Article	IF	CITATIONS
4874	Peptides., 2008,, 41-55.		0
4875	Classification of Information About Proteins. , 2009, , 243-258.		0
4876	Computer Aided Knowledge Discovery in Biomedicine. , 2009, , 126-141.		0
4878	Genomic and Postgenomic Research., 2009, , 315-328.		0
4880	MALDI IMS for Proteins and Biomarkers. , 2009, , 355-375.		0
4882	Applications of Proteomics in Prostate Cancer. , 2010, , 407-417.		0
4883	Novel Methodologies: Proteomic Approaches in Substance Abuse Research. , 2010, , 359-378.		0
4884	Advance of Peptide Detectability Prediction on Mass Spectrometry Platform in Proteomics. Chinese Journal of Analytical Chemistry, 2010, 38, 286-292.	1.7	0
4885	Definition and Structure of Asphaltenes. Chemical Industries, 2010, , 1-86.	0.1	0
4886	Soybean Proteomics. , 2010, , 291-312.		0
4887	Bacteriophage Amplification-Coupled Detection and Identification of Bacterial Pathogens. NATO Science for Peace and Security Series A: Chemistry and Biology, 2011, , 65-82.	0.5	1
4888	Imaging Mass Spectrometry. NATO Science for Peace and Security Series A: Chemistry and Biology, 2011, , 267-283.	0.5	2
4889	IMS/MS Applied to Direct Ionization Using the Atmospheric Solids Analysis Probe Method. , 2010, , 171-187.		0
4890	Proteomics of Foodborne Bacterial Pathogens. , 2011, , 343-402.		1
4892	UV MALDI for DNA Analysis and the Developments in Sample Preparation Methods., 2011,, 785-810.		0
4893	Proteomics and Metabolomics. , 2011, , 229-259.		1
4897	The Use of Proteomics as a Novel Tool in Aflatoxin Research. , 0, , .		4
4898	Proteomic Characterization of Mesenchymal Stem Cell-Like Populations Derived from Various Tissue Types. , 2012, , 75-94.		O

#	Article	IF	CITATIONS
4899	Functional genomics and proteomics in developmental and reproductive toxicology., 2011,, 445-463.		0
4900	Chip-based microcapillary HPLC for proteomic analysis. Analytical Science and Technology, 2011, 24, 407-413.	0.3	1
4901	Proteomics Research: Technologies Involved In Evolution - A Review. IOSR Journal of Dental and Medical Sciences, 2012, 1, 1-9.	0.0	0
4902	Computer Aided Knowledge Discovery in Biomedicine. , 2012, , 1389-1403.		O
4903	Compositional Analysis of Phospholipids by Mass Spectrometry and Phosphorus-31 Nuclear Magnetic Resonance Spectroscopy. Methods in Pharmacology and Toxicology, 2012, , 393-417.	0.2	0
4904	Isoflavones. , 2012, , 405-434.		0
4905	Use of Matrix Assisted Laser Desorption/Ionization Imaging Mass Spectrometry (MALDI-IMS) in the Development of Novel Small Molecule Drugs., 2012,, 399-422.		0
4906	Application of Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry. , 0, , .		O
4907	Novel Strategies for Discovery, Validation and FDA Approval of Biomarkers for Acute and Chronic Brain Injury. , 0, , .		0
4908	Principles of Proteomic Approaches to the Cytoskeleton. Neuromethods, 2013, , 85-116.	0.3	0
4910	Introduction to Protein Mass Spectrometry. , 2013, , 1-58.		1
4911	Hyphenation of Polymer Chromatography with Information-Rich Detectors. Springer Laboratory, 2013, , 183-246.	0.2	0
4912	Synthesis and Characterization ofÂNanoencapsulated Drugs. , 2013, , 23-42.		1
4913	Synthesis and Characterization of Nanoencapsulated Drugs. , 2013, , 39-58.		0
4914	New Developments in Targeted Analysis of Protein Posttranslational Modifications. Current Proteomics, 2013, 10, 98-119.	0.3	0
4916	11.ÂRapid Methods for the Detection and Identification of Foodborne Pathogens. , 2015, , .		1
4917	Novel Atmospheric Biomolecule Ionization Technologies. Journal of Analytical & Bioanalytical Techniques, 2014, s2, .	0.6	0
4918	Molecular Diagnostics in Transfusion Medicine: MALDI-TOF MS for Blood Bankers- The Alternative Approach for Genotyping. IOSR Journal of Pharmacy and Biological Sciences, 2014, 9, 90-97.	0.1	0

#	ARTICLE	IF	CITATIONS
4919	The <i>Plasmodium</i> Proteome. , 0, , 85-94.		0
4920	Requirements and Technical Concepts of Biomedical Microprobe Analysis., 1989,, 59-132.		O
4921	Microprobe Analysis in Medicine â€" Present Practice and Future Trends. Springer Series in Biophysics, 1989, , 305-316.	0.4	0
4922	HIGHLIGHTS OF PROTEIN STRUCTURAL ANALYSIS. , 1990, , 1-14.		O
4923	Particle-Induced Desorption Ionization Techniques for Organic Mass Spectrometry., 1991,, 143-271.		0
4924	Matrix-Assisted Laser Desorption Fourier Transform Mass Spectrometry for Biological Compounds. NATO ASI Series Series B: Physics, 1991, , 247-255.	0.2	O
4925	Experimental Observations of Particle Emission from Liquid Organic Matrices Bombarded by keV Ions. NATO ASI Series Series B: Physics, 1991, , 101-115.	0.2	0
4926	Matrix-Assisted UV Laser Desorption with a Time Digitizer. NATO ASI Series Series B: Physics, 1991, , 221-225.	0.2	O
4927	Structural Analysis of Organic Materials. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1991, 77, 2179-2188.	0.4	1
4929	Mass Spectrometry in the Chemistry of Natural Products. , 1991, , 175-249.		1
4930	Desorption methods in mass spectrometry. , 1992, , 265-287.		0
4931	Progress in mass spectrometry of nucleic acid constituents: analysis of xenobiotic modifications and measurements at high mass. , 1992, , 593-615.		0
4932	"High masses―, 1992, , 635-659.		0
4933	Mass spectrometers: instrumentation. , 1992, , 1-36.		0
4934	Status of, and developments in, mass spectrometry of peptides and proteins., 1992,, 789-809.		0
4935	Laser (micro)probe mass spectrometry (LAMMS): Achievements and future trends in life sciences. Proceedings Annual Meeting Electron Microscopy Society of America, 1992, 50, 1598-1599.	0.0	O
4938	Time of flight mass spectrometry of DNA laser-ablated from frozen aqueous solutions: applications to the Human Genome Project., 1994,, 335-344.		0
4939	Sequencing of peptides in a time-of-flight mass spectrometer: evaluation of postsource decay following matrix-assisted laser desorption ionisation (MALDI)., 1994,, 355-385.		O

#	Article	IF	CITATIONS
4941	Factors affecting the resolution in matrix-assisted laser desorption—ionization mass spectrometry. , 1994, , 345-354.		0
4942	Laser assisted reflectron time-of-flight mass spectrometry. , 1994, , 1-19.		0
4943	Mass Spectrometry in Protein Structural Analysis. Pharmaceutical Biotechnology, 1995, 7, 145-177.	0.3	0
4944	Laser Desorption. , 1995, , 187-198.		O
4945	Analysis of peptide-protein conjugates by matrix-assisted laser desorption ionization (MALDI) mass spectrometry., 1995,, 406-407.		0
4946	Direct Neuropeptide Profiling of Single Neurons and Target Tissue by Matrix-Assisted Laser Desorption lonization Mass Spectrometry., 1996,, 227-243.		0
4947	Capillary Liquid Chromatography/Electrospray Mass Spectrometry with a Magnetic Sector Instrument for Accurate Mass Measurement of Peptide and Protein Mixtures. , 1996, , 267-280.		1
4948	Designing Time-of-Flight Mass Spectrometers for the Future: Multichannel Recording of Peptide Amino Acid Sequences., 1996,, 5-23.		1
4949	Laser ablation of sodium nitrate: NO desorption following excitation of the Ï€â^'Ï€ band of the nitrate anion. , 1996, , 321-325.		0
4951	MALDI-MS for Food Analysis. , 1998, , 181-192.		0
4952	Strukturanalytische Methoden. , 1998, , 145-183.		0
4954	Tandem Mass Spectrometry of Alcohol Dehydrogenase and Related Biomolecules. Advances in Experimental Medicine and Biology, 1999, 463, 305-310.	1.6	0
4955	Precise Measurement of Molecular Weight. Springer Series in Materials Science, 1999, , 217-230.	0.6	0
4956	Miniaturized arrays for DNA analysis. , 1999, , 399-415.		0
4957	Genome-Wide Strategies for Studying Gene Function by Using Model Systems., 0,, 347-365.		0
4958	Polypeptide functionalized gold nanoparticles for bioanalytical applications. , 0, , .		0
4959	Cationization Mass Spectrometry for Condensed-Phase Samples. , 2015, , 205-262.		0
4960	Introduction to Mass Spectrometry. SpringerBriefs in Bioengineering, 2015, , 1-7.	0.8	0

#	Article	IF	CITATIONS
4961	Michael Karas., 2015,, 128.		0
4962	Franz Hillenkamp. , 2015, , 108-109.		0
4963	Exploring the Potential of Genetic Diversity via Proteomics: Past, Present, and Future Perspectives for Banana. Sustainable Development and Biodiversity, 2015, , 311-323.	1.7	0
4964	Proteomics of <i>E.coli Nissle 1917</i> in Responce to <i> Cocos nucifera</i> sap and Wine. International Letters of Natural Sciences, 0, 41, 1-223.	1.0	0
4965	Protein Adsorption: Measurement., 0,, 6105-6129.		0
4966	Nanoparticles for Mass Spectrometry Applications. , 2016, , 1371-1396.		0
4968	Mass Spectrometry Imaging for Visualization of Lipids. Oleoscience, 2016, 16, 225-231.	0.0	0
4969	Mass Spectrometry of Peptides and Proteins up to Proteomics. , 2016, , 257-264.		0
4970	Comparative Analysis of MALDI-TOF Mass Spectrometric Data in Proteomics: A Case Study. Lecture Notes in Computer Science, 2016, , 154-164.	1.3	0
4971	Proteomics Methods., 2016,, 219-237.		1
4972	Novel Approaches for Detection of Bacteriophage. , 2016, , 1-12.		0
4973	Gastric biomarker study using proteomic method. Korean Journal of Clinical Oncology, 2016, 12, 7-12.	0.1	0
4974	Proteomics: Principles and Application in Microbiology of Prokaryotes., 2016,, 243-261.		0
4975	Chapter 1 Chromatographic Techniques of Mono- and Disaccharides Analysis. , 2016, , 1-36.		0
4977	Omics and Their Impact on the Development of Chemotherapy Against <i>Leishmania</i> li>. RSC Drug Discovery Series, 2017, , 101-129.	0.3	0
4978	Ultrahigh-Resolution Lipid Analysis with Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Neuromethods, 2017, , 21-43.	0.3	1
4979	Matrix-Assisted Laser Desorption/Ionization. , 2017, , 651-720.		5
4980	Porous Silicon Based Mass Spectrometry. , 2018, , 1-17.		0

#	Article	IF	CITATIONS
4981	OBSOLETE: Proteomics., 2018,,.		O
4982	Porous Silicon Based Mass Spectrometry. , 2018, , 1337-1353.		O
4983	Dissociation reactions of potassiated glucose: deionization, potassium hydroxide loss, and cross-ring dissociation. , 2018 , , .		0
4984	Laser-induced dissociation processes of protonated glucose: dehydration reactions vs cross-ring dissociation. , 2018, , .		0
4986	Fluorescence quantum efficiency of three samples at atmosphere based on electrospray ionization and drift tube of ion mobility spectrometry. , 2018, , .		0
4987	Generation and Propagation of MALDI Ion Packets Probed by Sheet-Like Nanosecond UV Laser Light. Mass Spectrometry, 2018, 7, A0071-A0071.	0.6	1
4988	MALDI Imaging Mass Spectrometry: Neurochemical Imaging of Proteins and Peptides. Neuromethods, 2019, , 179-197.	0.3	6
4990	Identification of red blood cell membrane defects in a patient with hereditary spherocytosis using nextâ€'generation sequencing technology and matrixâ€'assisted laser desorption/ionization timeâ€'ofâ€'flight mass spectrometry. Molecular Medicine Reports, 2019, 19, 3912-3922.	2.4	2
4993	Quantitative analysis of galactose using LDI-TOF MS based on a TiO2 nanowire chip. Journal of Analytical Science and Technology, 2021, 12, .	2.1	2
4994	Towards next-generation personalization of tacrolimus treatment: a review on advanced diagnostic and therapeutic approaches. Pharmacogenomics, 2021, 22, 1151-1175.	1.3	2
4995	Advances in extracellular vesicles analysis. Advances in Clinical Chemistry, 2020, 97, 73-116.	3.7	7
4996	Shotgun Proteomics and Mass Spectrometry as a Tool for Protein Identification and Profiling of Bio-Carrier-Based Therapeutics on Human Cancer Cells. Methods in Molecular Biology, 2021, 2211, 233-240.	0.9	2
4997	Principles of Analytical Chemistry for Toxicology. , 2021, , 1-44.		0
4998	The Mass and Its Components. , 2020, , 17-52.		0
4999	Detection and quantification of hCG and its isoforms with MALDI-ToF mass spectrometry. , 2020, , 75-85.		0
5000	Proteomics as a Tool in Gluten Protein Research. , 2020, , 145-169.		3
5001	Mass spectrometry imaging in lipid and proteomic profiling: an emerging tool for cancer diagnosis. , 2020, , 259-295.		1
5003	Gasâ€phase structure of polymer ions: Tying together theoretical approaches and ion mobility spectrometry. Mass Spectrometry Reviews, 2023, 42, 1129-1151.	5.4	4

#	Article	IF	CITATIONS
5004	Mass Spectrometry Imaging of <i>Arabidopsis thaliana</i> Leaves at the Single-Cell Level by Infrared Laser Ablation Atmospheric Pressure Photoionization (LAAPPI). Journal of the American Society for Mass Spectrometry, 2021, 32, 2895-2903.	2.8	8
5005	Organic matrix-free imaging mass spectrometry. BMB Reports, 2020, 53, 349-356.	2.4	4
5007	Single-nucleotide Polymorphism Analysis by MALDI-TOF Mass Spectrometry. , 2001, , 1-15.		1
5008	Massarrayâ,,¢: Highly Accurate and Versatile High Throughput Analysis of Genetic Variations. , 2001, , 33-49.		0
5012	Quantitation during Electroblotting Step. , 2005, , 139-150.		0
5013	Signal Traitment and Virtual Images Production (2/2)., 2005,, 169-188.		0
5015	Chip-Based Genotyping by Mass Spectrometry. , 2007, , 117-127.		1
5016	Phosphoproteomics of Human Platelets. , 2005, , 175-198.		0
5017	Nanopartikel und Nanoaerosole — Messmethoden. , 2007, , 21-38.		0
5018	Use of proteomics for the discovery of early markers of drug toxicity. Expert Opinion on Drug Metabolism and Toxicology, 2007, 3, 689-704.	3.3	0
5019	Visible Laser Desorption/Ionization Mass Spectrometry Using Gold Nanostructure. Springer Series in Optical Sciences, 2008, , 67-97.	0.7	0
5025	Novel topology of a zinc-binding domain from a protein involved in regulating early Xenopus development. EMBO Journal, 1995, 14, 5947-56.	7.8	26
5026	The solution structure of the RING finger domain from the acute promyelocytic leukaemia proto-oncoprotein PML. EMBO Journal, 1995, 14, 1532-41.	7.8	126
5029	PDGF BB purified from osteoclasts acts as osteoblastogenesis inhibitory factor (OBIF). Journal of Biomolecular Techniques, 2002, 13, 62-71.	1.5	10
5030	Electrospray ionization mass spectrometry: How it all began. Journal of Biomolecular Techniques, 2002, 13, 101-18.	1.5	49
5031	MALDI QqTOF MS combined with off-line HPLC for characterization of protein primary structure and post-translational modifications. Journal of Biomolecular Techniques, 2005, 16, 429-40.	1.5	18
5032	Mass spectrometry-based proteomics and peptidomics for biomarker discovery in neurodegenerative diseases. International Journal of Clinical and Experimental Pathology, 2009, 2, 132-48.	0.5	10
5033	Proteomics and mass spectrometry for cancer biomarker discovery. Biomarker Insights, 2007, 2, 347-60.	2.5	10

#	Article	IF	CITATIONS
5034	Methodology and applications of disease biomarker identification in human serum. Biomarker Insights, 2007, 2, 21-43.	2.5	21
5035	A comparison of protein extraction methods suitable for gel-based proteomic studies of aphid proteins. Journal of Biomolecular Techniques, 2009, 20, 201-15.	1.5	56
5037	Evaluation of the new MALDI matrix 4-chloro-alpha-cyanocinnamic acid. Journal of Biomolecular Techniques, 2010, 21, 81-91.	1.5	13
5038	An accurate and clean calibration method for MALDI-MS. Journal of Biomolecular Techniques, 2010, 21, 116-9.	1.5	4
5042	Technique development of high-throughput and high-sensitivity sample preparation and separation for proteomics. Bioanalysis, 2022, 14, 101-111.	1.5	1
5043	Introduction to Bioanalytical Mass Spectrometry. , 2022, , 431-465.		0
5044	Characterizing Oligomeric Hydroxyl Silicon Oils by MALDI-TOF MS With the Pyridine-Modified Matrix. Frontiers in Chemistry, 2021, 9, 755174.	3.6	0
5045	Collisional experiences with Dr. Pietro Traldi and the incredible group in Padova. Mass Spectrometry Reviews, 2021, , e21756.	5.4	0
5046	Omic sciences for analysis of different Prosopis species. , 2022, , 263-273.		1
5047	Interfacial assembly of functional mesoporous nanomatrices for laser desorption/ionization mass spectrometry. Nano Today, 2022, 42, 101365.	11.9	8
5048	A A new matrix of MALDI-TOF MS derivative of 9-aminoacridine for lipid identification in positive ions mode. Quarks, 2020, 3, 66-75.	0.3	0
5049	Implementation of Ion Mobility Spectrometry-Based Separations in Structures for Lossless Ion Manipulations (SLIM). Methods in Molecular Biology, 2022, 2394, 453-469.	0.9	2
5050	Developments, advancements, and contributions of mass spectrometry in omics technologies. , 2022, , 327-356.		3
5051	Laser Desorption/Ionization Mass Spectrometry Imaging: A New Tool to See through Nanoscale Particles in Biological Systems. Chemistry - A European Journal, 2022, 28, .	3.3	4
5052	Serum Metabolic Fingerprints on Bowl-Shaped Submicroreactor Chip for Chemotherapy Monitoring. ACS Nano, 2022, 16, 2852-2865.	14.6	47
5053	Liquid phase IR-MALDI and differential mobility analysis of nano- and sub-micron particles. Physical Chemistry Chemical Physics, 2022, 24, 2275-2286.	2.8	O
5054	Experimental methods to study intrinsically disordered proteins., 2022,, 505-533.		3
5055	Multiomics approaches for the improvements of postharvest systems. , 2022, , 251-276.		0

#	ARTICLE	IF	CITATIONS
5056	Preparation and Study of Folate Modified Albumin Targeting Microspheres. Journal of Oncology, 2022, 2022, 1-9.	1.3	4
5057	Data parsing in mass spectrometry imaging using R Studio and Cardinal: A tutorial. Journal of Mass Spectrometry and Advances in the Clinical Lab, 2022, 23, 58-70.	2.4	5
5058	Laser desorption/ionization mass spectrometry of L-thyroxine (T4) using combi-matrix of $\hat{l}\pm$ -cyano-4-hydroxycinnamic acid (CHCA) and graphene. Journal of Analytical Science and Technology, 2022, 13, .	2.1	3
5059	Advances in MALDI Mass Spectrometry Imaging Single Cell and Tissues. Frontiers in Chemistry, 2021, 9, 782432.	3.6	40
5060	Utility of Atmospheric-Pressure Chemical Ionization and Photoionization Mass Spectrometry in Bottom-Up Proteomics. Separations, 2022, 9, 42.	2.4	3
5061	Analytics Driving Kinetics: Advanced Mass Spectrometric Characterization of Petroleum Products. Energy & Energy	5.1	10
5064	Chemical derivatization: recent advances in mass spectrometry imaging. Scientia Sinica Chimica, 2022, 52, 1041-1073.	0.4	1
5065	HPLC-MS identification of three major flavonoids in the textile dye extract from dried leaves of Anogeissus leiocarpus. Asian Journal of Research in Chemistry, 2022, , 27-34.	1.0	O
5066	Recent Advances in Surface-Assisted Laser Desorption/Ionization Mass Spectrometry and Its Imaging for Small Molecules. Journal of Analysis and Testing, 2022, 6, 217-234.	5.1	9
5067	Microfluidic device integrating singleâ€cell extraction and electrical lysis for mass spectrometry detection of intracellular compounds. Electrophoresis, 2023, 44, 313-322.	2.4	11
5068	Native Ambient Mass Spectrometry Enables Analysis of Intact Endogenous Protein Assemblies up to 145 kDa Directly from Tissue. Analytical Chemistry, 2022, 94, 5608-5614.	6.5	20
5069	The application of mass spectrometry imaging in traditional Chinese medicine: a review. Chinese Medicine, 2022, 17, 35.	4.0	6
5070	A simple preparation step to remove excess liquid lipids in white adipose tissue enabling improved detection of metabolites via MALDI-FTICR imaging MS. Histochemistry and Cell Biology, 2022, , 1.	1.7	3
5071	Miniature time-of-flight mass analyzer for use in combination with a compact highly-repetitive femtosecond laser ionization source. Analytica Chimica Acta, 2022, 1203, 339673.	5.4	9
5072	Acid/base properties of \hat{l}_{\pm} -methyl and gem-dimethyl derivatives of cysteine and serine from the extended kinetic method. International Journal of Mass Spectrometry, 2022, 475, 116833.	1.5	0
5073	Proteomics in support of immunotherapy: contribution to model-based precision medicine. Expert Review of Proteomics, 2022, 19, 33-42.	3.0	1
5074	Mass Spectrometry as a Crucial Analytical Basis for Omics Sciences. Journal of Analytical Chemistry, 2021, 76, 1567-1587.	0.9	9
5075	A Short-Cut Data Mining Method for the Mass Spectrometric Characterization of Block Copolymers. Processes, 2022, 10, 42.	2.8	1

#	Article	IF	Citations
5076	Bacterial keratitis: identifying the areas of clinical uncertainty. Progress in Retinal and Eye Research, 2022, 89, 101031.	15.5	24
5077	Mass Spectrometry–Based Proteomics for Biomarker Discovery. Methods in Molecular Biology, 2022, 2486, 3-17.	0.9	4
5078	Defective Fe Metal–Organic Frameworks Enhance Metabolic Profiling for Highâ€Accuracy Diagnosis of Human Cancers. Advanced Materials, 2022, 34, e2201422.	21.0	39
5079	Mechanospray Ionization MS of Proteins Including in the Folded State and Polymers. Journal of the American Society for Mass Spectrometry, 2022, 33, 772-782.	2.8	4
5080	Identification of RNA Fragments Resulting from Enzymatic Degradation using MALDI-TOF Mass Spectrometry. Journal of Visualized Experiments, 2022, , .	0.3	1
5081	Chapter 5. Mass Spectrometry in Biophysics: from High Throughput Screening to Structural Biology. RSC Drug Discovery Series, 0, , 87-119.	0.3	0
5087	Bioanalytical Technologies in Drug Discovery. , 0, , 43-69.		0
5089	Proteomic Analysis of Post-Translational Modifications by Mass Spectrometry. , 0, , 33-53.		0
5090	Sequence Analysis of Proteins and Peptides by Mass Spectrometry. , 0, , 245-273.		0
5091	Investigations of Chemical Heterogeneity in Polydimethylsiloxanes using SFC, HPLC, and MALDI-MS. , 0, , 625-632.		1
5093	A novel beta-thymosin from the sea urchin: extending the phylogenetic distribution of beta-thymosins from mammals to echinoderms. Journal of Peptide Science, 1997, 3, 282-90.	1.4	10
5094	Automated mass spectrometry: a revolutionary technology for clinical diagnostics. Molecular Diagnosis and Therapy, 2000, 5, 341-8.	1.1	13
5095	Qshot Maldi Analysis: A Rapid, Simple, Convenient, and Reliable Quantitative Phospholipidomics Approach Using Maldi-Tof/Ms. SSRN Electronic Journal, 0, , .	0.4	0
5096	Investigation of microstructure, molecular weight of polyallylamine and polyvinyl sulfonic acid and copolymers by MALDI-TOF mass spectrometry. Results in Materials, 2022, 14, 100277.	1.8	1
5097	Integrated Transcriptome and Proteome Analyses of Maize Inbred lines in Response to Salt Stress. Agronomy, 2022, 12, 1053.	3.0	3
5098	Proteomics in Biomarker Discovery for Tuberculosis: Current Status and Future Perspectives. Frontiers in Microbiology, 2022, 13, 845229.	3.5	6
5099	Application of proteomics and metabolomics in microbiology research., 2022, , 107-129.		0
5100	Wheat Proteomics for Abiotic Stress Tolerance and Root System Architecture: Current Status and Future Prospects. Proteomes, 2022, 10, 17.	3.5	14

#	Article	IF	CITATIONS
5102	Analytics for Recovery and Reuse of Solid Wastes from Refineries. Energies, 2022, 15, 4026.	3.1	1
5112	Nanostructured Layer of Silver for Detection of Small Biomolecules in Surface-Assisted Laser Desorption Ionization Mass Spectrometry. Materials, 2022, 15, 4076.	2.9	3
5113	The Role of Lipid Metabolism in Gastric Cancer. Frontiers in Oncology, 0, 12, .	2.8	21
5114	Integrated process for the production of indigo and indirubin in an anaerobic environment at laboratory and pilot level. Journal of Cleaner Production, 2022, 364, 132610.	9.3	4
5115	Laser Desorption Ionization of Large Condensed Polycyclic Aromatic Hydrocarbons in Petroleum Pitch and Thermally Treated Products. Energy & Energy & 2022, 36, 8674-8683.	5.1	2
5116	Paleoproteomics. Chemical Reviews, 2022, 122, 13401-13446.	47.7	42
5117	Where have all the ions gone, long time passing? Tandem quadrupole mass spectrometers with atmospheric pressure ionization sensitivity gains since the midâ€1970s. A perspective. Rapid Communications in Mass Spectrometry, 0, , .	1.5	4
5118	Exploring metal nanoparticles for matter-wave interferometry. Physical Review A, 2022, 106, .	2.5	2
5120	High-Throughput Intact Protein Analysis for Drug Discovery Using Infrared Matrix-Assisted Laser Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2022, 94, 13566-13574.	6.5	17
5122	A MALDI-TOF MS based method for the fast screening of recombinant protein high-yield strains. International Journal of Mass Spectrometry, 2022, 482, 116938.	1.5	1
5123	Proteomics Protocols for Characterization of Xeno-immunogens in Decellularized Organs. Springer Protocols, 2022, , 363-381.	0.3	0
5124	Simultaneous analysis of acylcarnitines using MALDI-TOF mass spectrometry based on a parylene matrix chip. Analyst, The, 2022, 147, 5044-5053.	3.5	1
5125	Research Progress of Protein-Protein Interaction Based on Liquid Chromatography Mass Spectrometry [※] . Acta Chimica Sinica, 2022, 80, 817.	1.4	0
5126	The Omnitrap Platform: A Versatile Segmented Linear Ion Trap for Multidimensional Multiple-Stage Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2022, 33, 1990-2007.	2.8	15
5127	Applications of MALDI-MS/MS-Based Proteomics in Biomedical Research. Molecules, 2022, 27, 6196.	3.8	21
5128	Laser-Assisted Desorption/Ionization Mass Spectrometry Using Nanoporous SiO ₂ Aerogels for the Diagnosis of Colon Cancer. ACS Applied Nano Materials, 2022, 5, 14798-14810.	5.0	4
5129	Peptide Mass Spectra from Micrometer-Thick Ice Films Produced with Femtosecond Pulses. Analytical Chemistry, 2022, 94, 13359-13367.	6.5	0
5130	Food metabolomics: Latest hardwareâ€"developments for nontargeted food authenticity and food safety testing. Electrophoresis, 2022, 43, 2334-2350.	2.4	6

#	Article	IF	CITATIONS
5131	UV-absorbing Ligand Capped Gold Nanoparticles for the SALDI-MS Analysis of Small Molecules. Mass Spectrometry, 2022, , .	0.6	0
5132	PepWise: Peptide Identification Algorithms for Tandem Mass Spectrometry Based on the Weight of Pair Amino Acid Fracture., 0, 14, 231-238.		0
5133	Composite PVK/SLGO As Matrix for MALDI-TOF MS Detection of Small Molecules in Dual-Ion Mode. ACS Omega, 2022, 7, 39028-39038.	3.5	2
5134	Glycosylation in SARS-CoV-2 variants: A path to infection and recovery. Biochemical Pharmacology, 2022, 206, 115335.	4.4	7
5135	Matrixâ€assisted laser desorption/ionizationâ€Fourierâ€transform ion cyclotron resonanceâ€mass spectrometry analysis of exosomal lipids from human serum. Rapid Communications in Mass Spectrometry, 2023, 37, .	1,5	2
5136	Characterization of polyacrylamide diblock copolymers by mass spectrometry combined with Mass-remainder analysis (MARA). Polymer Testing, 2023, 117, 107834.	4.8	2
5137	Current and Emerging Technologies for the Analysis of the Genome-Wide and Locus-Specific DNA Methylation Patterns. Advances in Experimental Medicine and Biology, 2022, , 395-469.	1.6	2
5138	How MALDI-TOF Mass Spectrometry Technology Contributes to Microbial Infection Control in Healthcare Settings. Vaccines, 2022, 10, 1881.	4.4	16
5139	Biomolecular Profiling by MALDI-TOF Mass Spectrometry in Food and Beverage Analyses. International Journal of Molecular Sciences, 2022, 23, 13631.	4.1	8
5140	Identification of yeasts in fermented foods and beverages using MALDI-TOF MS. FEMS Yeast Research, 2022, 22, .	2.3	1
5141	Emerging applications of metabolomics in food science and future trends. Food Chemistry: X, 2022, 16, 100500.	4.3	8
5142	qShot MALDI analysis: A rapid, simple, convenient, and reliable quantitative phospholipidomics approach using MALDI-TOF/MS. Talanta, 2023, 254, 124099.	5. 5	2
5143	Matrix-assisted laser desorption ionization-time-of-flight mass spectrometry in veterinary medicine: Recent advances (2019–present). Veterinary World, 0, , 2623-2657.	1.7	4
5144	Carboxylic Groups via Postpolymerization Modification of Polythiophene and their Influence on the Performance of a Polymeric MALDI Matrix. Macromolecular Chemistry and Physics, 0, , 2200250.	2.2	0
5145	High spatial resolution mass spectrometry imaging for spatial metabolomics: Advances, challenges, and future perspectives. TrAC - Trends in Analytical Chemistry, 2023, 159, 116902.	11.4	17
5146	Clinical application of serum-based proteomics technology in human tumor research. Analytical Biochemistry, 2023, 663, 115031.	2.4	2
5147	Seeing the complete picture: proteins in top-down mass spectrometry. Essays in Biochemistry, 2023, 67, 283-300.	4.7	8
5148	Mass spectrometry for metabolomics analysis: Applications in neonatal and cancer screening. Mass Spectrometry Reviews, 0, , .	5.4	4

#	Article	IF	CITATIONS
5149	Desorption and ablation regimes in UV-MALDI: the critical fluence. RSC Advances, 2022, 13, 721-729.	3.6	1
5150	Algorithms push forward the application of MALDI–TOF mass fingerprinting in rapid precise diagnosis. View, 2023, 4, .	5.3	1
5151	Effect of the ratio of phenolic compounds to saccharides in soluble polysaccharides on ethanol fermentation. Biochemical Engineering Journal, 2023, 191, 108793.	3.6	0
5152	Signal decay and recovery in matrix-assisted laser desorption/ionization and the thermal model. International Journal of Mass Spectrometry, 2023, 486, 117011.	1.5	0
5153	Titania Nanosheet as a Matrix for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis and Imaging. Analytical Chemistry, 0, , .	6.5	2
5154	Recent Advances in Genomics-Based Approaches for the Development of Intracellular Bacterial Pathogen Vaccines. Pharmaceutics, 2023, 15, 152.	4.5	2
5155	Clinical Proteomics: The Potentiality of Urine Analysis for Understanding Diabetic Nephropathy. , 0, , 32-39.		2
5156	Analytical Techniques Applied to Archaeological Materials. , 2016, , 28-103.		0
5157	Development of nanomaterial enabling highly sensitive surfaceâ€assisted laser desorption/ionization mass spectrometry peptide analysis. Rapid Communications in Mass Spectrometry, 2023, 37, .	1.5	2
5158	Applications of MALDI-TOF-MS in structural characterization of synthetic polymers. Analytical Methods, 2023, 15, 868-883.	2.7	3
5159	Development of Miniaturized MALDI Time-of-Flight Mass Spectrometers for Homeland Security and Clinical Diagnostics., 2008,, 291-310.		0
5160	Lab-on-a-Chip Devices Enabling (Bio)chemical Reactions with On-line Analysis by MALDI-TOF Mass Spectrometry. , 2008, , 256-276.		0
5161	A review on recent developments and applications of green sorbents-based solid phase extraction techniques. Advances in Sample Preparation, 2023, 6, 100065.	3.0	3
5162	Gas chromatography-mass spectrometry and liquid chromatography-mass spectrometry metabolomics platforms: Tools for plant oligosaccharides analysis. Carbohydrate Polymer Technologies and Applications, 2023, 5, 100304.	2.6	0
5163	DHB Matrix with Additives for Direct MALDI Mass Spectrometry of Carbohydrates and Glycoconjugates. Trends in Glycoscience and Glycotechnology, 2023, 35, J19-J22.	0.1	0
5166	Surface-sampling mass spectrometry to study proteins and protein complexes. Essays in Biochemistry, 2023, 67, 229-241.	4.7	7
5168	Engineering cytokine therapeutics., 2023, 1, 286-303.		29
5169	Ion Mobility Mass Spectrometry (IM-MS) for Structural Biology: Insights Gained by Measuring Mass, Charge, and Collision Cross Section. Chemical Reviews, 2023, 123, 2902-2949.	47.7	35

#	Article	IF	CITATIONS
5170	Applications of mass spectroscopy in understanding cancer proteomics., 2023, , 179-204.		0
5171	Alternative biological screening methods. , 2023, , 95-137.		0
5172	Mass Spectrometry Imaging in Alzheimer's Disease. Brain Connectivity, 2023, 13, 319-333.	1.7	4
5173	DHB Matrix with Additives for Direct MALDI Mass Spectrometry of Carbohydrates and Glycoconjugates. Trends in Glycoscience and Glycotechnology, 2023, 35, E19-E22.	0.1	0
5174	MALDI-MS ãf—ãfãf†ã,ªã,¿ã,æf"ãf³ã,°ã«ã,°ã«ã,ã,çãfã,¯ãf†ãfªã,¢ã®å^†é¡ž. Japanese Journal of Lactic Acid Bacteria, 20	0229.33, 20)-25.
5175	Theoretical study of general principle of high-resolution MALDI-linear time-of-flight mass spectrometry in middle to high m/z ranges. International Journal of Mass Spectrometry, 2023, 489, 117052.	1.5	0
5176	Proteomics mining of cancer hallmarks on a singleâ€ell resolution. Mass Spectrometry Reviews, 0, , .	5.4	0
5177	Reactive Matrices for Analytical Matrix-Assisted Laser Desorption/Ionization (MALDI) Mass Spectrometry. Critical Reviews in Analytical Chemistry, 2023, 53, 1027-1043.	3.5	4
5179	Ionization detection of neutral 2,5-dihydroxy benzoic acid molecules in the matrix-assisted laser desorption/ionization plume by ultraviolet laser post-ionization: Correlation between internal energy distribution and thermal decomposition rate. International Journal of Mass Spectrometry, 2023, 490, 117086.	1.5	0
5185	Detection of Short Peptides as Putative Biosignatures of Psychrophiles via Laser Desorption Mass Spectrometry. Astrobiology, 2023, 23, 657-669.	3.0	0
5186	Spatial Proteomics for the Molecular Characterization of Breast Cancer. Proteomes, 2023, 11, 17.	3.5	4
5187	Development of mass spectrometry imaging techniques and its latest applications. Talanta, 2023, 264, 124721.	5.5	6
5188	Recent progress in online detection methods of bioaerosols. Fundamental Research, 2023, , .	3.3	3
5189	Visualizing Cardiolipin In Situ with HKCL-1M, a Highly Selective and Sensitive Fluorescent Probe. Journal of the American Chemical Society, 2023, 145, 11311-11322.	13.7	2
5190	Quantitative laser–matter interaction: a 3D study of UV-fs-laser ablation on single crystalline Ru(0001). Optics Express, 2023, 31, 17964.	3.4	0
5191	Matrix-assisted laser desorption ionization-time of flight mass spectrometry (MALDI-TOF MS) for the analysis of mushroom polysaccharides of clinical, nutritional, and medicinal significance-contemplating the achievements and eliciting future trends. TrAC - Trends in Analytical Chemistry, 2023, 164, 117095.	11.4	1
5192	Hydrogen deuterium exchange and other mass spectrometry- based approaches for epitope mapping. Frontiers in Analytical Science, 0, 3, .	2.4	7
5193	Limitations of Atomistic Molecular Dynamics to Reveal Ejection of Proteins from Charged Nanodroplets. Journal of Physical Chemistry B, 2023, 127, 4829-4842.	2.6	0

#	Article	IF	CITATIONS
5194	Structural studies of supramolecular complexes and assemblies by ion mobility mass spectrometry. Mass Spectrometry Reviews, 0 , , .	5.4	3
5197	Gas Phase Fragmentation Behavior of Proline in Macrocyclic <i>b</i> ₇ Ions. Journal of the American Society for Mass Spectrometry, 0, , .	2.8	0
5198	Recent progress in analytical strategies of arsenic-binding proteomes in living systems. Analytical and Bioanalytical Chemistry, 0 , , .	3.7	1
5199	Quantification of pharmaceutical compounds in tissue and plasma samples using selective ion accumulation with multiple mass isolation windows. Journal of Mass Spectrometry, 2023, 58, .	1.6	3
5200	A tutorial: Laserspray ionization and related laserâ€based ionization methods for use in mass spectrometry. Mass Spectrometry Reviews, 2023, 42, 2234-2267.	5.4	0
5201	Laser desorption/ionization-mass spectrometry for the analysis of interphases in lithium ion batteries. IScience, 2023, 26, 107517.	4.1	1
5202	Microstructure characterization and mechanistic insight into polyether polyols and their associated polyurethanes. Mass Spectrometry Reviews, 0 , , .	5.4	0
5203	High resolution mass spectrometry of respiratory viruses: beyond MALDI-ToF instruments for next generation viral typing, subtyping, variant and sub-variant identification. Analyst, The, 2023, 148, 4263-4273.	3.5	1
5204	The Need for Next-Generation Antivenom for Snakebite Envenomation in India. Toxins, 2023, 15, 510.	3.4	1
5206	A Research Journey: Over a Decade of Denaturing and Native-MS Analyses of Hydrophobic and Membrane Proteins in Amgen Therapeutic Discovery. Journal of the American Society for Mass Spectrometry, 0, , .	2.8	0
5207	Chemical Sensing and Analysis with Optical Nanostructures. Chemosensors, 2023, 11, 497.	3.6	0
5208	Ultrasound-based surface sampling in immersion for mass spectrometry. Journal of Applied Physics, 2023, 134, .	2.5	0
5209	Michael Przybylski (1948–2023) Devoted Half a Century to Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2023, 34, 1957-1961.	2.8	1
5210	Evaluating the optimal tissue thickness for mass spectrometry imaging using infrared matrixâ€assisted laser desorption electrospray ionization. Rapid Communications in Mass Spectrometry, 2023, 37, .	1.5	0
5212	Characterizing citrullination by mass spectrometry-based proteomics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2023, 378, .	4.0	2
5213	Ameliorative effect of Alangium chinense (Lour.) Harms on rheumatoid arthritis by reducing autophagy with targeting regulate JAK3-STAT3 and COX-2 pathways. Journal of Ethnopharmacology, 2024, 319, 117133.	4.1	1
5214	貫通åºãfãf¼ãf©ã,¹ã,¢ãf«ãfŸãfŠè—"膜ã,'用ã,ãŸè³ªé‡å^†æžç"¨ã,ã,ªãf³åŒ—支æ'基æ€. Hyomen Gijutsu∬	lowon.22al of t	th e Surface F
5215	Nucleic Acid Amplification Coupled with Mass Spectrometry Detection for Microbial Identification. , 2023, , 99-124.		O

#	Article	IF	CITATIONS
5216	Backgrounds. Springer Theses, 2023, , 5-14.	0.1	O
5217	25 Years Responding to Respiratory and Other Viruses with Mass Spectrometry. Mass Spectrometry, 2023, 12, A0136-A0136.	0.6	0
5218	Breakthrough Solution for Antimicrobial Resistance Detection: Surfaceâ€Enhanced Raman Spectroscopyâ€based on Artificial Intelligence. Advanced Materials Interfaces, 0, , .	3.7	2
5219	Sodium-Doped 3-Amino-4-hydroxybenzoic Acid: Rediscovered Matrix for Direct MALDI Glycotyping of O-Linked Glycopeptides and Intact Mucins. International Journal of Molecular Sciences, 2023, 24, 16836.	4.1	0
5220	Instrumentation development, improvement, simplification, and miniaturization: The multifunctional plate source for use in mass spectrometry. European Journal of Mass Spectrometry, 2023, 29, 276-291.	1.0	0
5221	Hydrophilic/Phobic Tailored Multi-laned/Layer Matrix-Assisted Laser Desorption/Ionization (HTML-MALDI)., 2024,, 339-355.		0
5222	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry with Re-Engineered 2, a 5-Dihydroxypheny Acid Derivative., 2024, 313-337.		0
5223	Unraveling the ultrafast dynamics of thermal-energy chemical reactions. Physical Chemistry Chemical Physics, 2024, 26, 1587-1601.	2.8	0
5224	Imaging Analysis of Phosphatidylcholines and Diacylglycerols Using Surface-Assisted Laser Desorption/Ionization Mass Spectrometry with Metal Film Formed by Mist Chemical Vapor Deposition. Mass Spectrometry, 2023, 12, A0135-A0135.	0.6	0
5225	Ultra-high-throughput mass spectrometry in drug discovery: fundamentals and recent advances. Expert Opinion on Drug Discovery, 2024, 19, 291-301.	5.0	0
5226	Efficient Analysis of Small Molecules via Laser Desorption/Ionization Time-of-Flight Mass Spectrometry (LDI–TOF MS) Using Gold Nanoshells with Nanogaps. Nanomaterials, 2024, 14, 25.	4.1	0
5227	Prototyping an ionization source for nonâ€engineers. Journal of Mass Spectrometry, 2024, 59, .	1.6	0
5228	Characterization of a New Immunosuppressive and Antimicrobial Peptide, DRS-DA2, Isolated from the Mexican Frog, Pachymedusa dacnicolor. International Journal of Inflammation, 2024, 2024, 1-18.	1.5	0
5229	Evaluation of Parameters in Peptide Mass Fingerprinting for Protein Identification by MALDI-TOF Mass Spectrometry. Molecules and Cells, 2002, 13, 175-184.	2.6	3
5230	A Collecting Device for Exhaled Breath Detection by Nanostructure-initiator Mass Spectrometry. , 2023, , .		0
5231	Serological Exosome Metabolic Biopsy of Hepatocellular Carcinoma via Designed Core–Shell Nanoparticles. Analytical Chemistry, 0, , .	6. 5	0
5232	Applications of mass spectrometry imaging in botanical research. , 2024, 2, .		0
5233	MALDI sample preparation methods: A mini review. International Journal of Mass Spectrometry, 2024, 498, 117219.	1.5	1

#	Article	IF	CITATIONS
5234	Endometallofullerenes in the Gas Phase: Progress and Prospect. Inorganics, 2024, 12, 68.	2.7	0
5235	Desorption electrospray ionization mass spectrometry imaging of latent fingerprints revealed by Oil Red O. Rapid Communications in Mass Spectrometry, 2024, 38, .	1.5	O
5236	The triumvirate of effective and rapid synthesis, analysis, and artificial intelligence to explore the structure-property relationship of copolymers. Giant, 2024, 17, 100248.	5.1	0
5237	Spatial neurolipidomics—MALDI mass spectrometry imaging of lipids in brain pathologies. Journal of Mass Spectrometry, 2024, 59, .	1.6	O
5238	Single Cell mass spectrometry: Towards quantification of small molecules in individual cells. TrAC - Trends in Analytical Chemistry, 2024, 174, 117657.	11.4	0
5239	Formation of multiple ion types during MALDI imaging mass spectrometry analysis of Mitragyna speciosa alkaloids in dosed rat brain tissue. Talanta, 2024, 274, 125923.	5.5	0
5240	Mass spectrometry of dendrimers. Mass Spectrometry Reviews, 0, , .	5 . 4	0