

Yehia S Mechref

List of Publications by Year in descending order

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263

papers

12,429

citations

17440

63

h-index

39675

94

g-index

273

all docs

273

docs citations

273

times ranked

8609

citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the methods for profiling glycoprotein glycansâ€”HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. Glycobiology, 2007, 17, 411-422.	2.5	382
2	Structural Investigations of Glycoconjugates at High Sensitivity. Chemical Reviews, 2002, 102, 321-370.	47.7	320
3	Solid-phase permethylation of glycans for mass spectrometric analysis. Rapid Communications in Mass Spectrometry, 2005, 19, 3421-3428.	1.5	278
4	Breast Cancer Diagnosis and Prognosis through Quantitative Measurements of Serum Glycan Profiles. Clinical Chemistry, 2008, 54, 1166-1175.	3.2	227
5	Alterations in the Serum Glycome Due to Metastatic Prostate Cancer. Journal of Proteome Research, 2007, 6, 1822-1832.	3.7	215
6	Microscale Nonreductive Release of O-Linked Glycans for Subsequent Analysis through MALDI Mass Spectrometry and Capillary Electrophoresis. Analytical Chemistry, 2001, 73, 6063-6069.	6.5	210
7	Structural Characterization of Oligosaccharides Using Maldi-TOF/TOF Tandem Mass Spectrometry. Analytical Chemistry, 2003, 75, 4895-4903.	6.5	193
8	Highâ€”throughput solidâ€”phase permethylation of glycans prior to mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 721-734.	1.5	193
9	N-linked Glycan Structures and Their Expressions Change in the Blood Sera of Ovarian Cancer Patients. Journal of Proteome Research, 2012, 11, 2282-2300.	3.7	174
10	Comparative Glycomic Mapping through Quantitative Permethylation and Stable-Isotope Labeling. Analytical Chemistry, 2007, 79, 6064-6073.	6.5	158
11	Chip-based Reversed-phase Liquid Chromatographyâ€”Mass Spectrometry of Permethyated N-Linked Glycans: A Potential Methodology for Cancer-biomarker Discovery. Analytical Chemistry, 2010, 82, 5095-5106.	6.5	153
12	Profiling of Human Serum Glycans Associated with Liver Cancer and Cirrhosis by IMSâ€”MS. Journal of Proteome Research, 2008, 7, 1109-1117.	3.7	143
13	Characterization of glycopeptides by combining collisionâ€”induced dissociation and electronâ€”transfer dissociation mass spectrometry data. Rapid Communications in Mass Spectrometry, 2009, 23, 161-170.	1.5	143
14	Mass Spectrometric Mapping and Sequencing of N-Linked Oligosaccharides Derived from Submicrogram Amounts of Glycoproteins. Analytical Chemistry, 1998, 70, 455-463.	6.5	133
15	Combining Lectin Microcolumns with High-Resolution Separation Techniques for Enrichment of Glycoproteins and Glycopeptides. Analytical Chemistry, 2005, 77, 4081-4090.	6.5	133
16	Detection of Hepatocellular Carcinoma Using Glycomic Analysis. Clinical Cancer Research, 2009, 15, 1808-1813.	7.0	133
17	Resolving and assigning N-linked glycan structural isomers from ovalbumin by IMS-MS. Journal of the American Society for Mass Spectrometry, 2008, 19, 1706-1715.	2.8	130
18	Frequent serial fecal corticoid measures from rats reflect circadian and ovarian corticosterone rhythms. Journal of Endocrinology, 2005, 184, 153-163.	2.6	127

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19	Identifying cancer biomarkers by mass spectrometry-based glycomics. Electrophoresis, 2012, 33, 1755-1767.	2.4	124
20	Characterization of isomeric glycan structures by LC-MS/MS. Electrophoresis, 2017, 38, 2100-2114.	2.4	123
21	Recent advances in capillary electrophoresis of carbohydrates. Electrophoresis, 1996, 17, 275-301.	2.4	112
22	Characterizing protein glycosylation sites through higher-energy C-trap dissociation. Rapid Communications in Mass Spectrometry, 2010, 24, 1217-1225.	1.5	112
23	Development of High-Sensitivity Ion Trap Ion Mobility Spectrometry Time-of-Flight Techniques: A High-Throughput Nano-LC-IMS-TOF Separation of Peptides Arising from a Drosophila Protein Extract. Analytical Chemistry, 2003, 75, 5137-5145.	6.5	111
24	Social learning and amygdala disruptions in Nf1 mice are rescued by blocking p21-activated kinase. Nature Neuroscience, 2014, 17, 1583-1590.	14.8	106
25	Glycosylation Changes in Brain Cancer. ACS Chemical Neuroscience, 2018, 9, 51-72.	3.5	105
26	Interlaboratory Study on Differential Analysis of Protein Glycosylation by Mass Spectrometry: The ABRF Glycoprotein Research Multi-Institutional Study 2012. Molecular and Cellular Proteomics, 2013, 12, 2935-2951.	3.8	103
27	Automated interpretation of MS/MS spectra of oligosaccharides. Bioinformatics, 2005, 21, i431-i439.	4.1	101
28	Capillary Electrophoresis of Herbicides. 1. Precolumn Derivatization of Chiral and Achiral Phenoxy Acid Herbicides with a Fluorescent Tag for Electrophoretic Separation in the Presence of Cyclodextrins and Micellar Phases. Analytical Chemistry, 1996, 68, 1771-1777.	6.5	100
29	New hyphenated methodologies in high-sensitivity glycoprotein analysis. Journal of Separation Science, 2005, 28, 1956-1968.	2.5	100
30	A cancer-associated PCNA expressed in breast cancer has implications as a potential biomarker. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19472-19477.	7.1	99
31	A proteomic survey of rat cerebral cortical synaptosomes. Proteomics, 2005, 5, 2177-2201.	2.2	97
32	Direct comparison of derivatization strategies for LC-MS/MS analysis of N-glycans. Analyst, The, 2017, 142, 4446-4455.	3.5	97
33	Isomeric Separation of Permethylated Glycans by Porous Graphitic Carbon (PGC)-LC-MS/MS at High Temperatures. Analytical Chemistry, 2017, 89, 6590-6597.	6.5	96
34	Glycomic analysis by capillary electrophoresis-mass spectrometry. Mass Spectrometry Reviews, 2009, 28, 207-222.	5.4	92
35	Computational Framework for Identification of Intact Glycopeptides in Complex Samples. Analytical Chemistry, 2014, 86, 453-463.	6.5	92
36	Electrophoretic Analysis of N-Glycans on Microfluidic Devices. Analytical Chemistry, 2007, 79, 7170-7175.	6.5	88

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37	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 11-30.	3.8	87
38	Differentiating structural isomers of sialylated glycans by matrix-assisted laser desorption/ionization time-of-flight/time-of-flight tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1381-1389.	1.5	86
39	Quantitative Glycomics Strategies. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 874-884.	3.8	86
40	Use of CID/ETD Mass Spectrometry to Analyze Glycopeptides. <i>Current Protocols in Protein Science</i> , 2012, 68, Unit 12.11.1-11.	2.8	85
41	Enzymatic/Chemical Release of O-Glycans Allowing MS Analysis at High Sensitivity. <i>Analytical Chemistry</i> , 2009, 81, 9546-9552.	6.5	83
42	HILIC and ERLIC Enrichment of Glycopeptides Derived from Breast and Brain Cancer Cells. <i>Journal of Proteome Research</i> , 2016, 15, 3624-3634.	3.7	82
43	Glycomic profiling of invasive and non-invasive breast cancer cells. <i>Glycoconjugate Journal</i> , 2009, 26, 117-131.	2.7	80
44	LC-MS/MS analysis of permethylated free oligosaccharides and N-glycans derived from human, bovine, and goat milk samples. <i>Electrophoresis</i> , 2016, 37, 1532-1548.	2.4	80
45	LC-MS/MS analysis of permethylated N-glycans facilitating isomeric characterization. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 453-466.	3.7	79
46	Semiautomated High-Sensitivity Profiling of Human Blood Serum Glycoproteins through Lectin Preconcentration and Multidimensional Chromatography/Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2006, 5, 2348-2363.	3.7	75
47	Recent advances in mass spectrometric analysis of glycoproteins. <i>Electrophoresis</i> , 2017, 38, 162-189.	2.4	75
48	Advances in mass spectrometry-based glycoproteomics. <i>Electrophoresis</i> , 2018, 39, 3104-3122.	2.4	75
49	Glycoprotein Enrichment Through Lectin Affinity Techniques. <i>Methods in Molecular Biology</i> , 2008, 424, 373-396.	0.9	74
50	LC-MS/MS Quantitation of Esophagus Disease Blood Serum Glycoproteins by Enrichment with Hydrazide Chemistry and Lectin Affinity Chromatography. <i>Journal of Proteome Research</i> , 2014, 13, 4808-4820.	3.7	74
51	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316.	19.0	74
52	Comprehensive assessment of N-glycans derived from a murine monoclonal antibody: A case for multimethodological approach. <i>Electrophoresis</i> , 2005, 26, 2034-2046.	2.4	73
53	Physico-chemical characteristics and total quality of five date varieties grown in the United Arab Emirates. <i>International Journal of Food Science and Technology</i> , 2006, 41, 919-926.	2.7	72
54	Advances in mass spectrometry-based glycomics. <i>Electrophoresis</i> , 2018, 39, 3063-3081.	2.4	72

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55	High-sensitivity profiling of glycoproteins from human blood serum through multiple-lectin affinity chromatography and liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 845, 121-137.	2.3	71
56	Quantitative Serum Glycomics of Esophageal Adenocarcinoma and Other Esophageal Disease Onsets. <i>Journal of Proteome Research</i> , 2009, 8, 2656-2666.	3.7	71
57	Quantification of glycopeptides by multiple reaction monitoring liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1941-1954.	1.5	71
58	Matrix-assisted laser desorption/ionization mass spectrometry compatible β -elimination of O-linked oligosaccharides. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1199-1204.	1.5	70
59	Microdeposition Device Interfacing Capillary Electrochromatography and Microcolumn Liquid Chromatography with Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 6698-6706.	6.5	68
60	Miniaturized separation techniques in glycomic investigations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 841, 65-78.	2.3	68
61	Coupling Capillary Electrochromatography with Electrospray Fourier Transform Mass Spectrometry for Characterizing Complex Oligosaccharide Pools. <i>Analytical Chemistry</i> , 2003, 75, 1684-1690.	6.5	67
62	LC-MS/MS-based serum proteomics for identification of candidate biomarkers for hepatocellular carcinoma. <i>Proteomics</i> , 2015, 15, 2369-2381.	2.2	66
63	LC-MS/MS isomeric profiling of permethylated N-glycans derived from serum haptoglobin of hepatocellular carcinoma (HCC) and cirrhotic patients. <i>Electrophoresis</i> , 2017, 38, 2160-2167.	2.4	65
64	Implication of the Kallikrein-Kinin system in neurological disorders: Quest for potential biomarkers and mechanisms. <i>Progress in Neurobiology</i> , 2018, 165-167, 26-50.	5.7	65
65	Improving confidence in detection and characterization of protein N-glycosylation sites and microheterogeneity. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2007-2019.	1.5	64
66	Micellar electrokinetic capillary chromatography with in-situ charged micelles VI. Evaluation of novel chiral micelles consisting of steroidal-glycoside surfactant-borate complexes. <i>Journal of Chromatography A</i> , 1996, 724, 285-296.	3.7	63
67	Identification of N-Glycan Serum Markers Associated with Hepatocellular Carcinoma from Mass Spectrometry Data. <i>Journal of Proteome Research</i> , 2010, 9, 104-112.	3.7	63
68	Identification of isomeric N-glycan structures by mass spectrometry with 157 nm laser-induced photofragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1027-1040.	2.8	62
69	Capillary zone electrophoresis of derivatized acidic monosaccharides. <i>Electrophoresis</i> , 1994, 15, 627-634.	2.4	61
70	Use of activated graphitized carbon chips for liquid chromatography/mass spectrometric and tandem mass spectrometric analysis of tryptic glycopeptides. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 495-505.	1.5	61
71	Enhanced sensitivity of LC-MS analysis of permethylated N-glycans through online purification. <i>Electrophoresis</i> , 2011, 32, 3516-3525.	2.4	60
72	Efficacy of glycoprotein enrichment by microscale lectin affinity chromatography. <i>Journal of Separation Science</i> , 2008, 31, 2722-2732.	2.5	59

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73	Solid-Phase Permethylation for Glycomic Analysis. , 2009, 534, 53-64.		59
74	Analysis of MALDI-TOF Mass Spectrometry Data for Discovery of Peptide and Glycan Biomarkers of Hepatocellular Carcinoma. Journal of Proteome Research, 2008, 7, 603-610.	3.7	58
75	Defining putative glycan cancer biomarkers by MS. Bioanalysis, 2012, 4, 2457-2469.	1.5	58
76	Comparing <scp>MALDI</scp>â€<scp>MS</scp>, <scp>RP</scp>â€<scp>LC</scp>â€<scp>MALDI</scp>â€<scp>MS</scp> and <scp>RP</scp>â€<scp>LC</scp>â€<scp>ESI</scp>â€<scp>MS</scp> glycomic profiles of permethylated <scp>N</scp>â€glycans derived from model glycoproteins and human blood serum. Electrophoresis, 2012, 33, 1768-1777.	2.4	58
77	Analysis of glycans derived from glycoconjugates by capillary electrophoresisâ€mass spectrometry. Electrophoresis, 2011, 32, 3467-3481.	2.4	56
78	Quantitative LCâ€MS/MS Glycomic Analysis of Biological Samples Using AminoxyTMT. Analytical Chemistry, 2016, 88, 7515-7522.	6.5	56
79	Capillary electrophoresis of carboxylated carbohydrates I. Selective precolumn derivatization of gangliosides with UV absorbing and fluorescent tags. Journal of Chromatography A, 1995, 695, 83-95.	3.7	54
80	Structural analysis of sulfated glycans by sequential double-permethylation using methyl iodide and deuteromethyl iodide. Journal of the American Society for Mass Spectrometry, 2009, 20, 1660-1671.	2.8	53
81	Elevated levels of hydroxylated phosphocholine lipids in the blood serum of breast cancer patients. Rapid Communications in Mass Spectrometry, 2009, 23, 863-876.	1.5	53
82	Glycosylation and other PTMs alterations in neurodegenerative diseases: Current status and future role in neurotrauma. Electrophoresis, 2016, 37, 1549-1561.	2.4	53
83	Capillary electrophoresis of herbicides II. Evaluation of alkylglucoside chiral surfactants in the enantiomeric separation of phenoxy acid herbicides. Journal of Chromatography A, 1997, 757, 263-273.	3.7	52
84	ProteinQuant Suite: a bundle of automated software tools for labelâ€free quantitative proteomics. Rapid Communications in Mass Spectrometry, 2008, 22, 3823-3834.	1.5	52
85	Glycoprotein Enrichment Analytical Techniques. Methods in Enzymology, 2017, 585, 397-429.	1.0	52
86	Changes in Glycosylation of Human Bile-Salt-Stimulated Lipase during Lactation. Archives of Biochemistry and Biophysics, 2000, 377, 246-254.	3.0	50
87	Capillary Electrophoresis of Carboxylated Carbohydrates. Analytical Biochemistry, 1997, 244, 283-290.	2.4	49
88	Matrix-assisted laser desorption/ionization mass spectrometry of acidic glycoconjugates facilitated by the use of spermine as a co-matrix. Journal of the American Society for Mass Spectrometry, 1998, 9, 1293-1302.	2.8	49
89	Multiple-reaction monitoring liquid chromatography mass spectrometry for monosaccharide compositional analysis of glycoproteins. Journal of the American Society for Mass Spectrometry, 2009, 20, 1224-1234.	2.8	49
90	Highâ€temperature LCâ€MS/MS of permethylated glycans derived from glycoproteins. Electrophoresis, 2016, 37, 1506-1513.	2.4	49

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91	Laser-induced photofragmentation of neutral and acidic glycans inside an ion-trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1452-1460.	1.5	48
92	Assigning N-Glycosylation Sites of Glycoproteins Using LC/MSMS in Conjunction with Endo-M/Exoglycosidase Mixture. <i>Journal of Proteome Research</i> , 2010, 9, 3598-3607.	3.7	48
93	Delineating Diseases by IMS-MS Profiling of Serum N-linked Glycans. <i>Journal of Proteome Research</i> , 2012, 11, 576-585.	3.7	48
94	Circulating Brain Injury Exosomal Proteins following Moderate-to-Severe Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications. <i>Cells</i> , 2020, 9, 977.	4.1	48
95	Automated annotation and quantification of glycans using liquid chromatography–mass spectrometry. <i>Bioinformatics</i> , 2013, 29, 1706-1707.	4.1	47
96	Leaf Dhurrin Content is a Quantitative Measure of the Level of Pre- and Postflowering Drought Tolerance in Sorghum. <i>Crop Science</i> , 2013, 53, 1056-1065.	1.8	47
97	Ion Mobility-Mass Spectrometry Analysis of Serum N-linked Glycans from Esophageal Adenocarcinoma Phenotypes. <i>Journal of Proteome Research</i> , 2012, 11, 6102-6110.	3.7	46
98	N-Glycan Profiling by Microchip Electrophoresis to Differentiate Disease States Related to Esophageal Adenocarcinoma. <i>Analytical Chemistry</i> , 2012, 84, 3621-3627.	6.5	46
99	LC–MS Profiling of N-Glycans Derived from Human Serum Samples for Biomarker Discovery in Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2014, 13, 4859-4868.	3.7	46
100	Glycomics and glycoproteomics: Approaches to address isomeric separation of glycans and glycopeptides. <i>Journal of Separation Science</i> , 2021, 44, 403-425.	2.5	46
101	Analysis of Site-specific Glycosylation of Renal and Hepatic β -Glutamyl Transpeptidase from Normal Human Tissue. <i>Journal of Biological Chemistry</i> , 2010, 285, 29511-29524.	3.4	45
102	N-Glycan Profile of Cerebrospinal Fluids from Alzheimer's Disease Patients Using Liquid Chromatography with Mass Spectrometry. <i>Journal of Proteome Research</i> , 2019, 18, 3770-3779.	3.7	45
103	Modulation of Differentiation-related Gene 1 Expression by Cell Cycle Blocker Mimosine, Revealed by Proteomic Analysis. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 993-1001.	3.8	44
104	Comparative glycomic profiling of isotopically permethylated N-glycans by liquid chromatography/electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 865-877.	1.5	44
105	Glycoproteomics: Identifying the Glycosylation of Prostate Specific Antigen at Normal and High Isoelectric Points by LC–MS/MS. <i>Journal of Proteome Research</i> , 2014, 13, 5570-5580.	3.7	44
106	Revealing the Biological Attributes of N-Glycan Isomers in Breast Cancer Brain Metastasis Using Porous Graphitic Carbon (PGC) Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS). <i>Journal of Proteome Research</i> , 2019, 18, 3731-3740.	3.7	44
107	Determination of Trace Isoflavone Phytoestrogens in Biological Materials by Capillary Electrochromatography. <i>Analytical Chemistry</i> , 2002, 74, 5998-6005.	6.5	42
108	Quantitation of Permethylated N-Glycans through Multiple-Reaction Monitoring (MRM) LC-MS/MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 596-603.	2.8	41

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109	Clinical application of quantitative glycomics. Expert Review of Proteomics, 2018, 15, 1007-1031.	3.0	40
110	MSâ€based glycomics and glycoproteomics methods enabling isomeric characterization. Mass Spectrometry Reviews, 2023, 42, 577-616.	5.4	40
111	Biochemical individuality reflected in chromatographic, electrophoretic and mass-spectrometric profiles. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 866, 26-47.	2.3	39
112	Mapping siteâ€specific protein Nâ€glycosylations through liquid chromatography/mass spectrometry and targeted tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 965-972.	1.5	39
113	Increased Protein Nitration in Mitochondrial Diseases: Evidence for Vessel Wall Involvement. Molecular and Cellular Proteomics, 2011, 10, M110.002964.	3.8	39
114	Fast and Efficient Online Release of N-Glycans from Glycoproteins Facilitating Liquid Chromatographyâ€Tandem Mass Spectrometry Glycomic Profiling. Analytical Chemistry, 2012, 84, 8790-8796.	6.5	39
115	Gel-free shotgun proteomic analysis of human milk. Journal of Chromatography A, 2012, 1227, 219-233.	3.7	39
116	Label-Free Glycopeptide Quantification for Biomarker Discovery in Human Sera. Journal of Proteome Research, 2014, 13, 4821-4832.	3.7	39
117	Matrix-assisted laser desorption/ionization mass spectrometry of neutral and acidic oligosaccharides with collision-induced dissociation. Carbohydrate Research, 1998, 313, 145-155.	2.3	38
118	Determination of Salsolinol and Related Catecholamines through On-Line Preconcentration and Liquid Chromatography/Atmospheric Pressure Photoionization Mass Spectrometry. Analytical Chemistry, 2006, 78, 3342-3347.	6.5	38
119	Immobilized metal affinity chromatography and human serum proteomics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 934, 26-33.	2.3	38
120	Fish consumption, low-level mercury, lipids, and inflammatory markers in children. Environmental Research, 2012, 112, 204-211.	7.5	37
121	LCâ€MS/MS Identification of the O-Glycosylation and Hydroxylation of Amino Acid Residues of Collagen I±1 (II) chain from Bovine Cartilage. Journal of Proteome Research, 2013, 12, 3599-3609.	3.7	37
122	Biofilm blocking sesquiterpenes from Teucrium polium. Phytochemistry, 2014, 103, 107-113.	2.9	37
123	Isomeric Separation of N-Glycopeptides Derived from Glycoproteins by Porous Graphitic Carbon (PGC) LC-MS/MS. Analytical Chemistry, 2020, 92, 9556-9565.	6.5	37
124	Capillary electrophoresis of herbicides. III. Evaluation of octylmaltopyranoside chiral surfactant in the enantiomeric separation of phenoxy acid herbicides. , 1996, 8, 518-524.		35
125	Structural characterization of the N-linked oligosaccharides in bile salt-stimulated lipase originated from human breast milk. Glycobiology, 1999, 9, 227-234.	2.5	35
126	Defining glycoprotein cancer biomarkers by MS in conjunction with glycoprotein enrichment. Biomarkers in Medicine, 2015, 9, 835-844.	1.4	35

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127	<i>Teucrium polium</i> Phenylethanol and Iridoid Glycoside Characterization and Flavonoid Inhibition of Biofilm-Forming <i>Staphylococcus aureus</i> . Journal of Natural Products, 2015, 78, 2-9.	3.0	35
128	Automated annotation and quantitation of glycans by liquid chromatography/electrospray ionization mass spectrometric analysis using the MultiGlycan-ESI computational tool. Rapid Communications in Mass Spectrometry, 2015, 29, 135-142.	1.5	35
129	Sugar-lectin interactions investigated through affinity capillary electrophoresis. Biomedical Applications, 2001, 752, 207-216.	1.7	34
130	Developing IMS-IMS-MS for rapid characterization of abundant proteins in human plasma. International Journal of Mass Spectrometry, 2009, 283, 149-160.	1.5	34
131	Microchip electrophoresis of N-glycans on serpentine separation channels with asymmetrically tapered turns. Electrophoresis, 2011, 32, 246-253.	2.4	34
132	LC-MS/MS of permethylated N-glycans derived from model and human blood serum glycoproteins. Electrophoresis, 2016, 37, 1498-1505.	2.4	34
133	Quantitative chiral analysis of salsolinol in different brain regions of rats genetically predisposed to alcoholism. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 863, 206-214.	2.3	33
134	Alteration of selective neurotransmitters in fetal brains of prenatally alcohol-treated C57BL/6 mice: quantitative analysis using liquid chromatography/tandem mass spectrometry. International Journal of Developmental Neuroscience, 2010, 28, 263-269.	1.6	33
135	Glycomic Profiling of Tissue Sections by LC-MS. Analytical Chemistry, 2013, 85, 4074-4079.	6.5	33
136	Rapid and sensitive LC-ESI-MS of gangliosides. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 947-948, 1-7.	2.3	33
137	Analysis of Permethylated Glycan by Liquid Chromatography (LC) and Mass Spectrometry (MS). Methods in Molecular Biology, 2017, 1503, 83-96.	0.9	32
138	Capillary electrophoresis of carboxylated carbohydrates. Part 2. Selective precolumn derivatization of sialooligosaccharides derived from gangliosides with 7-aminonaphthalene-1,3-disulfonic acid fluorescing tag. Electrophoresis, 1995, 16, 1499-1504.	2.4	31
139	Fused-silica capillaries with surface-bound dextran layer crosslinked with diepoxypolyethylene glycol for capillary electrophoresis of biological substances at reduced electroosmotic flow. Electrophoresis, 1995, 16, 617-624.	2.4	31
140	Automated Glycan Sequencing from Tandem Mass Spectra of N-Linked Glycopeptides. Analytical Chemistry, 2016, 88, 5725-5732.	6.5	31
141	Analysis of Proteins That Rapidly Change Upon Mechanistic/Mammalian Target of Rapamycin Complex 1 (mTORC1) Repression Identifies Parkinson Protein 7 (PARK7) as a Novel Protein Aberrantly Expressed in Tuberous Sclerosis Complex (TSC). Molecular and Cellular Proteomics, 2016, 15, 412-430.	3.8	31
142	Characterization of Pharmaceutical IgG and Biosimilars Using Miniaturized Platforms and LC-MS/MS. Current Pharmaceutical Biotechnology, 2016, 17, 788-801.	1.6	31
143	Multitargeted Flavonoid Inhibition of the Pathogenic Bacterium <i>Staphylococcus aureus</i> : A Proteomic Characterization. Journal of Proteome Research, 2017, 16, 2579-2586.	3.7	30
144	Carbon Nanoparticles and Graphene Nanosheets as MALDI Matrices in Glycomics: a New Approach to Improve Glycan Profiling in Biological Samples. Journal of the American Society for Mass Spectrometry, 2018, 29, 1892-1900.	2.8	30

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145	Capillary electrophoresis of carboxylated carbohydrates. Journal of Chromatography A, 1997, 792, 75-82.	3.7	29
146	Browning white adipose tissue using adipose stromal cell-targeted resveratrol-loaded nanoparticles for combating obesity. Journal of Controlled Release, 2021, 333, 339-351.	9.9	28
147	A quantitative investigation of fucosylated serum glycoproteins with application to esophageal adenocarcinoma. Electrophoresis, 2010, 31, 1833-1841.	2.4	27
148	Quantification of monosaccharides through multiple reaction monitoring liquid chromatography/mass spectrometry using an aminopropyl column. Rapid Communications in Mass Spectrometry, 2010, 24, 1565-1574.	1.5	27
149	Effects of Lead and Mercury on the Blood Proteome of Children. Journal of Proteome Research, 2010, 9, 4443-4453.	3.7	27
150	Differential expression of proteins in fetal brains of alcohol-treated prenatally C57BL/6 mice: A proteomic investigation. Electrophoresis, 2010, 31, 483-496.	2.4	26
151	Novel biomarker signatures for idiopathic REM sleep behavior disorder. Neurology, 2018, 91, e1710-e1715.	1.1	26
152	Alterations in the aqueous humor proteome in patients with Fuchs endothelial corneal dystrophy. Molecular Vision, 2010, 16, 2376-83.	1.1	26
153	Micellar Electrokinetic Capillary Chromatography with In Situ Charged Micelles. VII. Expanding the Utility of Alkylglycoside-Borate Micelles to Acidic and Neutral pH for Capillary Electrophoresis of Dansyl Amino Acids and Herbicides. Journal of Liquid Chromatography and Related Technologies, 1995, 18, 3769-3786.	1.0	25
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